

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052309.D
 Acq On : 14 Nov 2018 12:44
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:27 PM

Quant Time: Nov 15 02:57:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 02:30:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	295710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	497822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	454647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213244	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	637821	152.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.44%	
35) Dibromofluoromethane	7.59	113	504012	156.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.94%	
50) Toluene-d8	10.09	98	1960213	155.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.38%	
62) 4-Bromofluorobenzene	12.40	95	679645	163.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	495044	157.983	ug/l	99
3) Chloromethane	2.06	50	652747	149.897	ug/l	99
4) Vinyl Chloride	2.19	62	562224	149.360	ug/l	100
5) Bromomethane	2.55	94	332063	141.503	ug/l	99
6) Chloroethane	2.70	64	310223	145.761	ug/l	99
7) Trichlorofluoromethane	3.02	101	770568	147.935	ug/l	99
8) Diethyl Ether	3.41	74	297738	149.976	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	472601	143.670	ug/l	98
10) Methyl Iodide	3.96	142	698753	158.207	ug/l	100
11) Tert butyl alcohol	4.78	59	177640	802.275	ug/l	99
12) 1,1-Dichloroethene	3.74	96	447154	146.893	ug/l	96
13) Acrolein	3.60	56	265250	870.836	ug/l	100
14) Allyl chloride	4.33	41	965338	154.442	ug/l	100
15) Acrylonitrile	4.99	53	957794	749.738	ug/l	99
16) Acetone	3.81	43	827943	707.998	ug/l	96
17) Carbon Disulfide	4.06	76	1396943	160.037	ug/l	98
18) Methyl Acetate	4.32	43	491166	147.176	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1355541	154.957	ug/l	100
20) Methylene Chloride	4.55	84	518523	135.452	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	477193	151.336	ug/l	100
22) Diisopropyl ether	5.95	45	1919793	148.940	ug/l	97
23) Vinyl Acetate	5.90	43	7008654	810.122	ug/l	100
24) 1,1-Dichloroethane	5.85	63	993203	145.236	ug/l	99
25) 2-Butanone	6.83	43	1248173	771.134	ug/l	98
26) 2,2-Dichloropropane	6.83	77	770296	153.186	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	553071	144.961	ug/l	97
28) Bromochloromethane	7.20	49	513850	146.136	ug/l	99
29) Tetrahydrofuran	7.21	42	815899	761.343	ug/l	99
30) Chloroform	7.37	83	960660	147.404	ug/l	95
31) Cyclohexane	7.65	56	937587	118.260	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	836350	150.645	ug/l	100
36) 1,1-Dichloropropene	7.80	75	752291	150.770	ug/l	99
37) Ethyl Acetate	6.93	43	555761	145.776	ug/l	99
38) Carbon Tetrachloride	7.78	117	726793	158.545	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	880557	154.590	ug/l	100
40) Benzene	8.04	78	2115530	148.412	ug/l	97
41) Methacrylonitrile	7.18	41	328601	160.172	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	774570	152.384	ug/l	100
43) Isopropyl Acetate	8.16	43	1053356	150.744	ug/l #	86
44) Trichloroethene	8.84	130	539614	153.682	ug/l	98
45) 1,2-Dichloropropane	9.12	63	597495	147.700	ug/l	98
46) Dibromomethane	9.21	93	345217	147.412	ug/l	97
47) Bromodichloromethane	9.40	83	750198	156.107	ug/l	100
48) Methyl methacrylate	9.20	41	531174	149.808	ug/l	99
49) 1,4-Dioxane	9.20	88	90872	3338.598	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2785440	791.899	ug/l	100
52) Toluene	10.16	92	1312734	153.947	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	819617	169.106	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	902672	163.374	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	465171	150.481	ug/l	98
56) Ethyl methacrylate	10.43	69	676372	166.374	ug/l	99
57) 1,3-Dichloropropane	10.71	76	838741	153.184	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1877478	811.179	ug/l	99
59) 2-Hexanone	10.75	43	1943768	803.413	ug/l	100
60) Dibromochloromethane	10.90	129	545504	163.104	ug/l	99
61) 1,2-Dibromoethane	11.00	107	483546	157.037	ug/l	100
64) Tetrachloroethene	10.63	164	471824	145.974	ug/l	99
65) Chlorobenzene	11.43	112	1432060	149.016	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	508263	155.096	ug/l	99
67) Ethyl Benzene	11.51	91	2592003	155.401	ug/l	100
68) m/p-Xylenes	11.62	106	1910111	313.427	ug/l	98
69) o-Xylene	11.95	106	921539	157.748	ug/l	99
70) Styrene	11.96	104	1524762	163.007	ug/l	99
71) Bromoform	12.13	173	336273	173.794	ug/l #	97
73) Isopropylbenzene	12.25	105	2538410	148.057	ug/l	99
74) N-amyl acetate	12.07	43	978093	160.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	578988	139.700	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	491349m	146.554	ug/l	
77) Bromobenzene	12.53	156	571735	143.322	ug/l	98
78) n-propylbenzene	12.59	91	3022429	150.737	ug/l	100
79) 2-Chlorotoluene	12.67	91	1714283	146.351	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	2063506	151.348	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	190759	170.991	ug/l	96
82) 4-Chlorotoluene	12.77	91	1773409	147.774	ug/l	98
83) tert-Butylbenzene	12.99	119	1753075	145.641	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2092578	152.887	ug/l	98
85) sec-Butylbenzene	13.17	105	2487296	151.694	ug/l	100
86) p-Isopropyltoluene	13.29	119	2117805	152.475	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1046943	147.773	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1043325	148.123	ug/l	98
89) n-Butylbenzene	13.61	91	1986729	166.542	ug/l	100
90) Hexachloroethane	13.87	117	389348	158.265	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	990740	144.339	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	96555	157.989	ug/l	96

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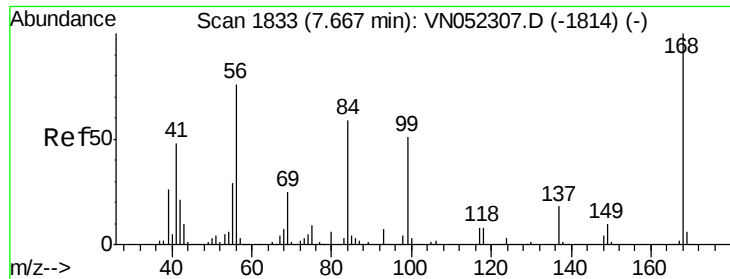
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	497929	176.293	ug/l	99
94) Hexachlorobutadiene	15.01	225	229607	146.148	ug/l	99
95) Naphthalene	15.13	128	1185075	185.686	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	450635	172.777	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 295710

Ion Ratio Lower Upper

168 100

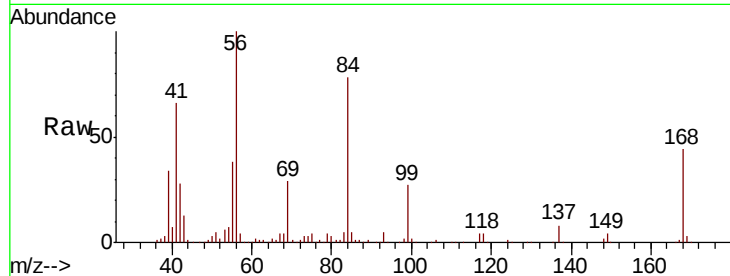
99 60.9 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

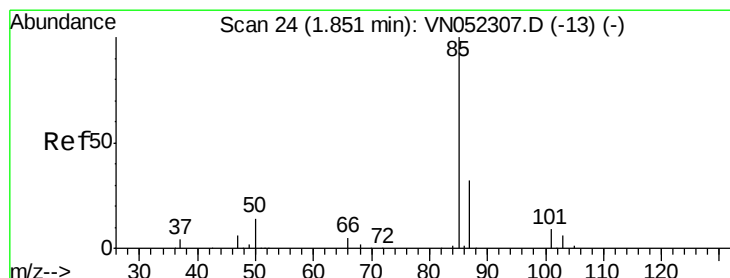
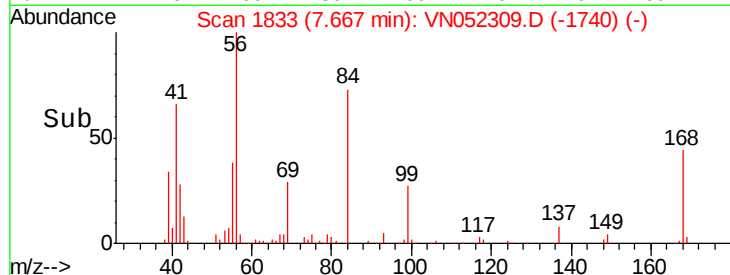
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50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 157.983 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052309.D

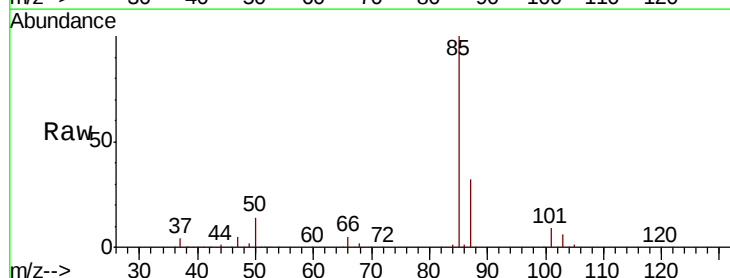
Acq: 14 Nov 2018 12:44

Tgt Ion: 85 Resp: 495044

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

400000

300000

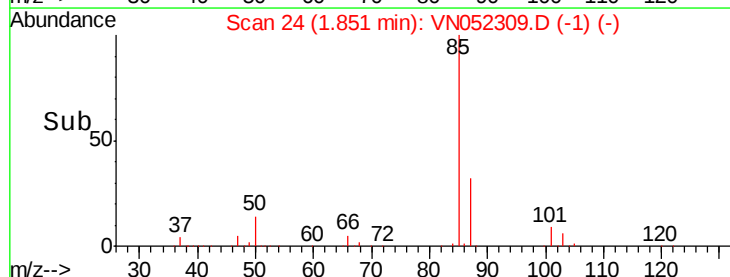
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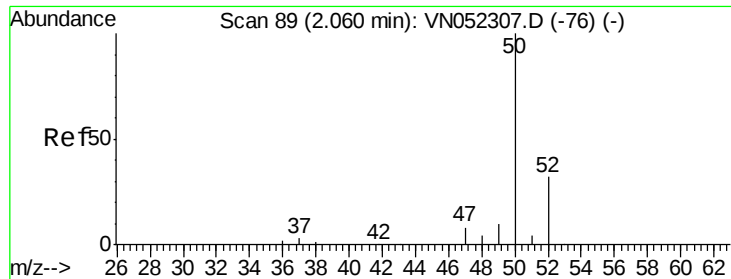
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 149.897 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 652747

Ion Ratio Lower Upper

50 100

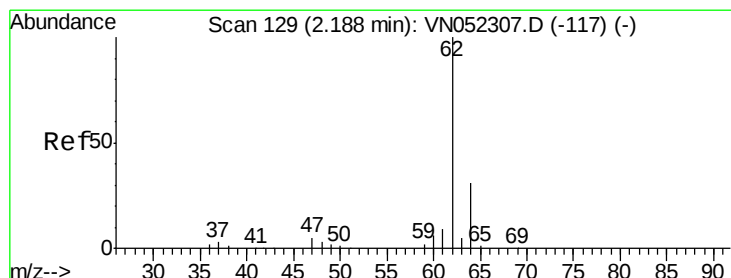
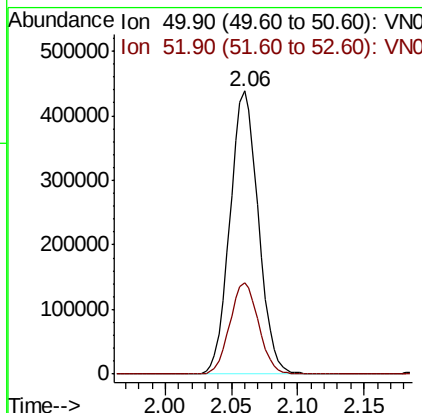
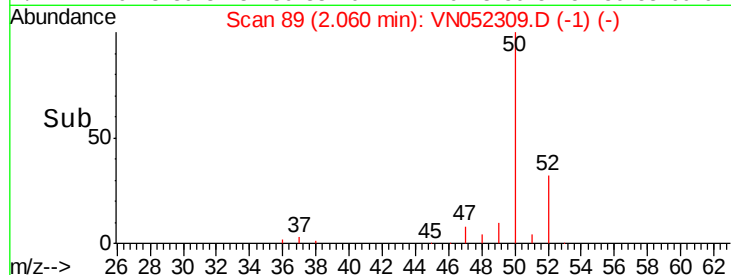
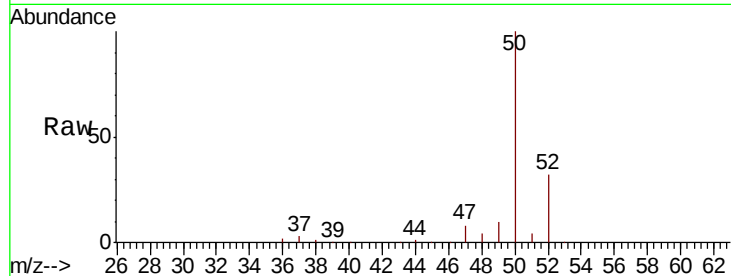
52 32.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 149.360 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052309.D

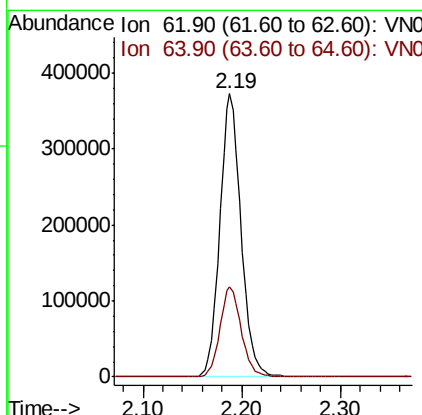
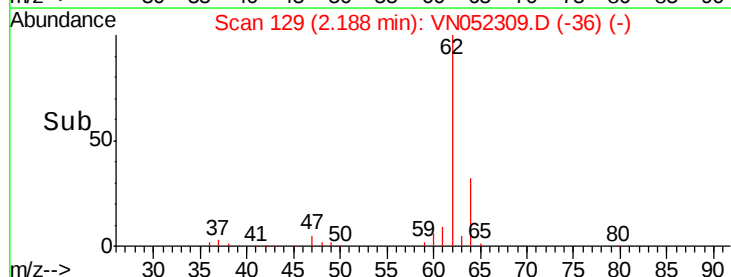
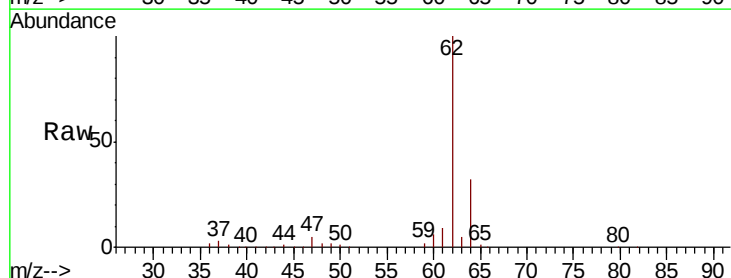
Acq: 14 Nov 2018 12:44

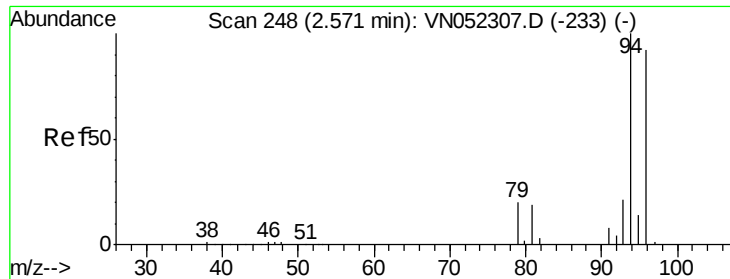
Tgt Ion: 62 Resp: 562224

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 141.503 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.02 min

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Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

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Tot Ion: 94 Resp: 332063

Ion Ratio Lower Upper

94 100

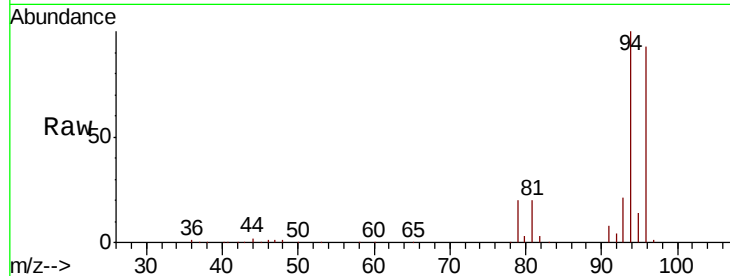
96 93.4 73.6 110.4

Manual Integrations

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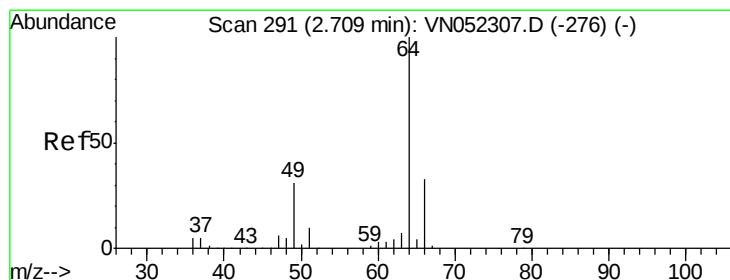
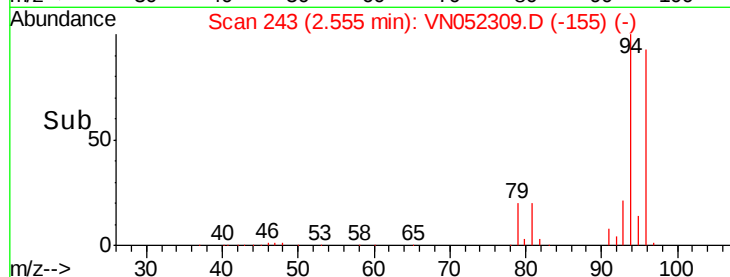
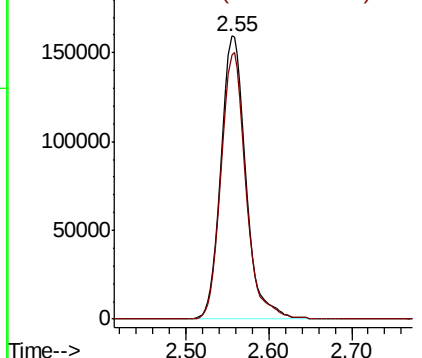
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 145.761 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN052309.D

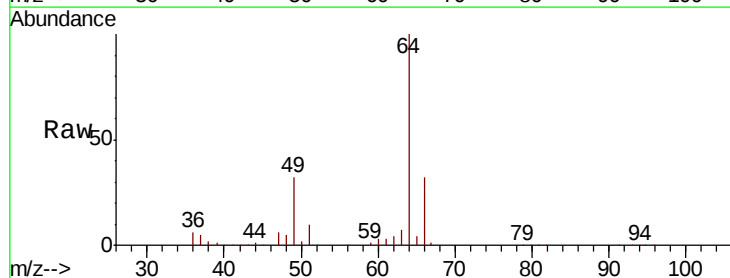
Acq: 14 Nov 2018 12:44

Tgt Ion: 64 Resp: 310223

Ion Ratio Lower Upper

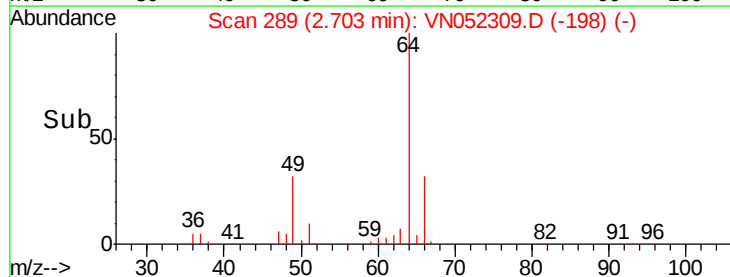
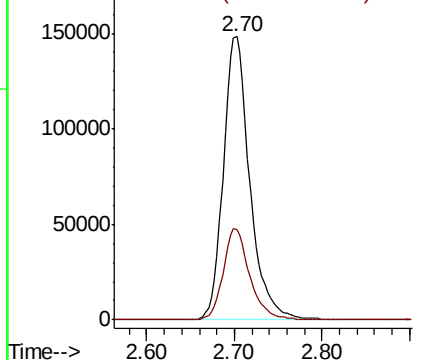
64 100

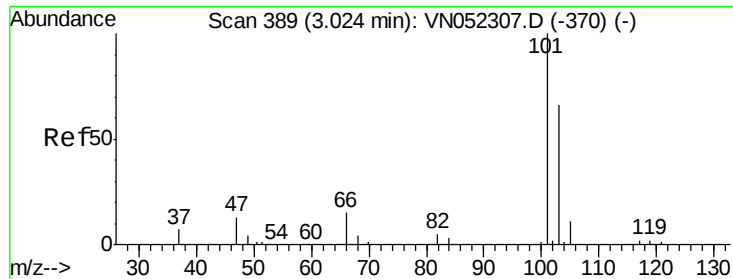
66 32.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

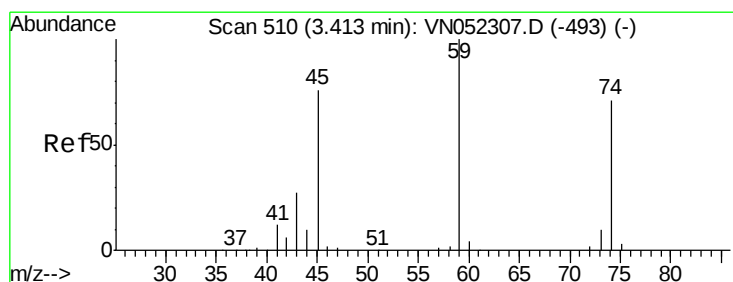
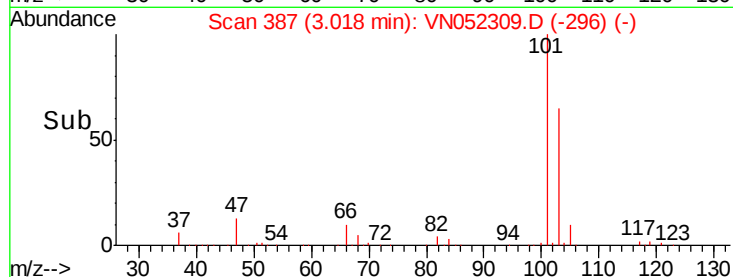
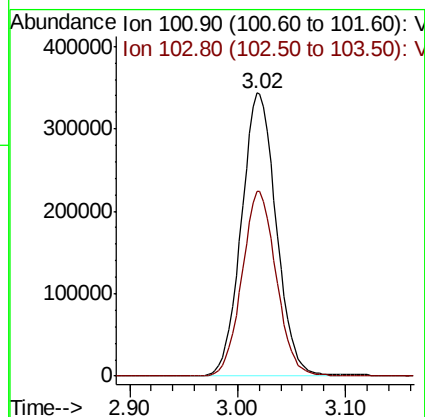
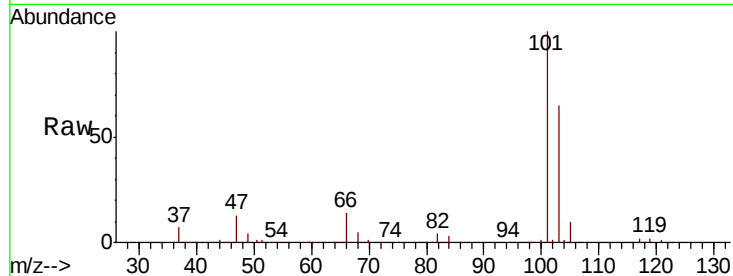
Trichlorofluoromethane
Concen: 147.935 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
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VSTDIC150

Tot Ion:101 Resp: 770568
Ion Ratio Lower Upper
101 100
103 65.2 52.8 79.2

Manual Integrations
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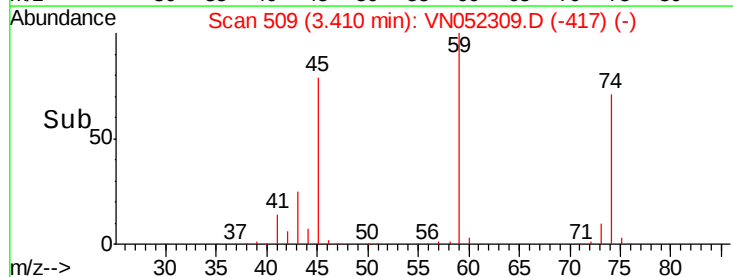
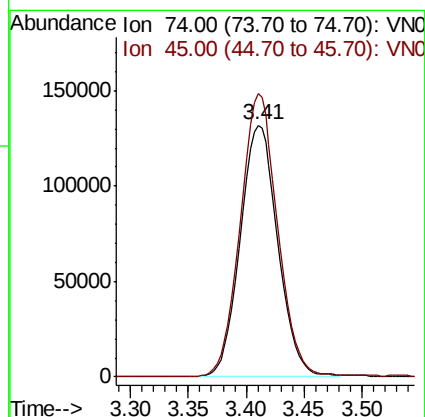
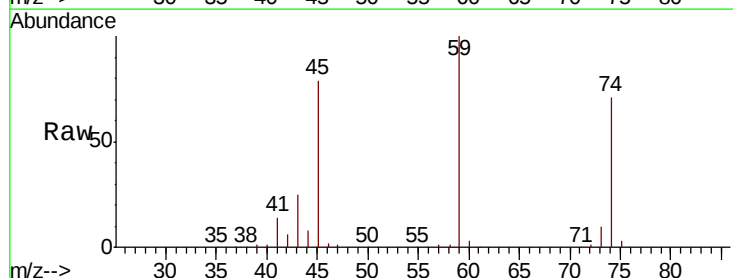
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11/20/2018 2:58:27 PM

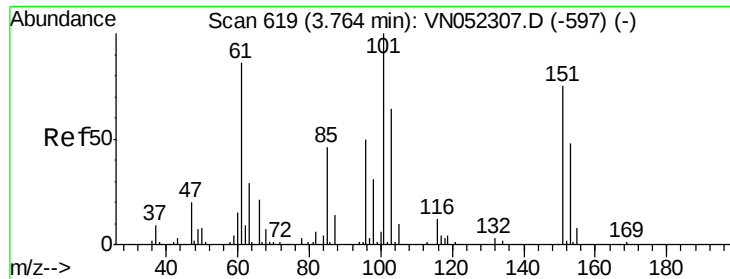


#8

Diethyl Ether
Concen: 149.976 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion: 74 Resp: 297738
Ion Ratio Lower Upper
74 100
45 111.9 54.3 162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.670 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

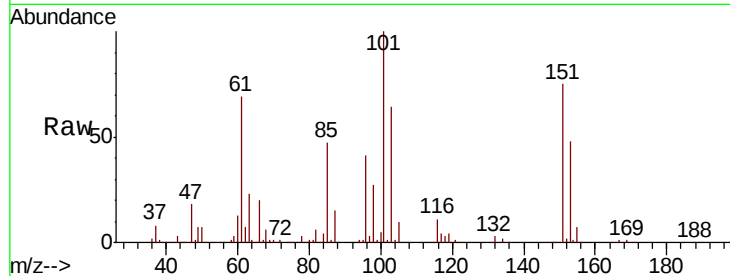
ClientSampleId :

VSTDIC150

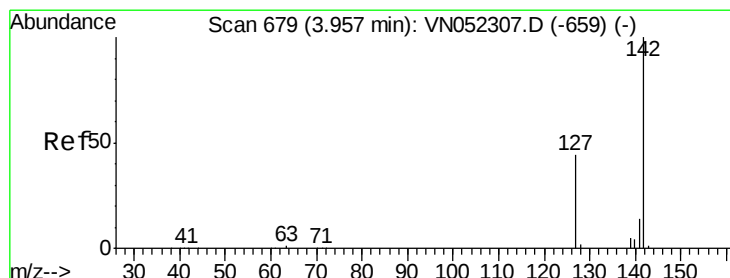
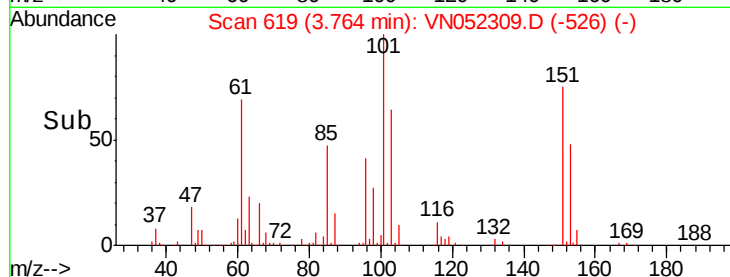
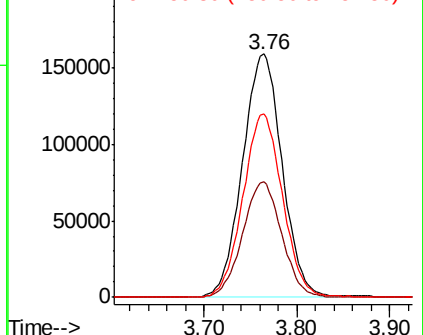
Tot Ion:	101	Resp:	472601
Ion Ratio	Lower	Upper	
101	100		
85	46.8	37.4	56.0
151	75.4	58.6	88.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 158.207 ug/l

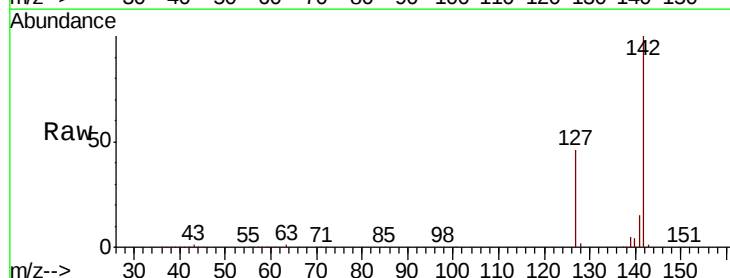
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

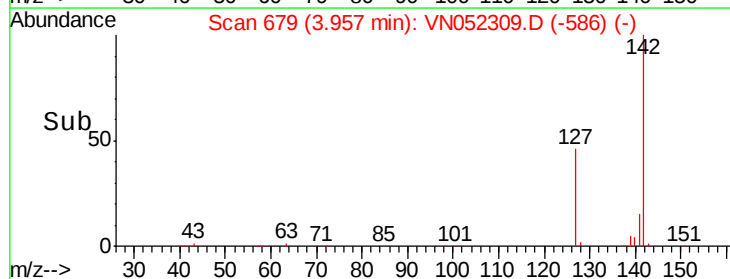
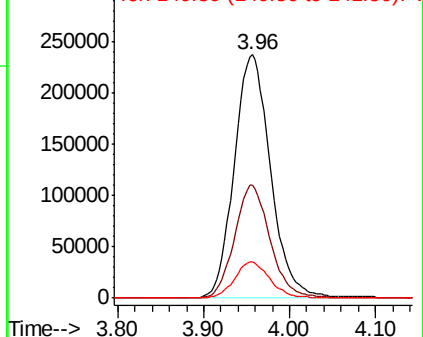
Lab File: VN052309.D

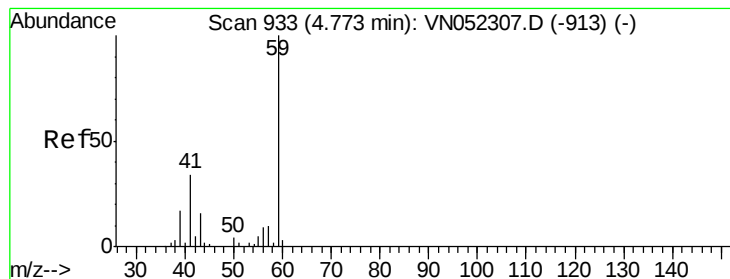
Acq: 14 Nov 2018 12:44

Tgt Ion:	142	Resp:	698753
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.3	54.5
141	14.6	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

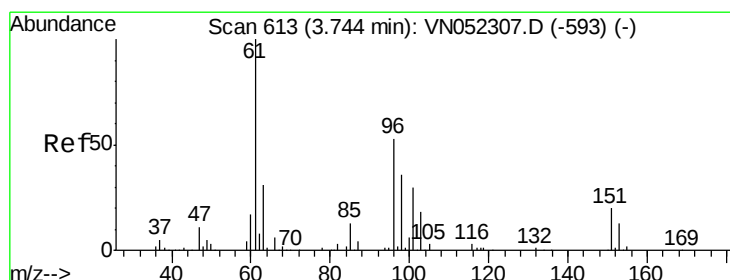
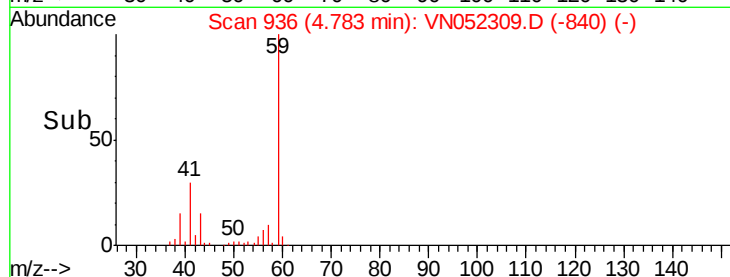
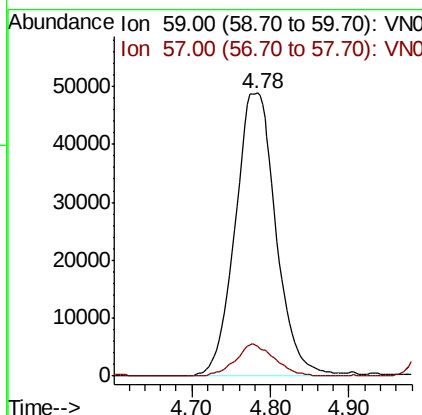
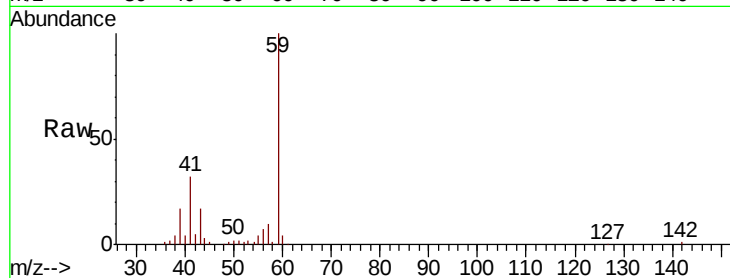
Tert butyl alcohol
 Concen: 802.275 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 59 Resp: 177640
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.5 12.7

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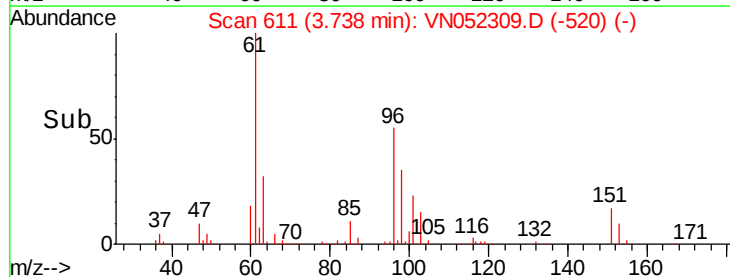
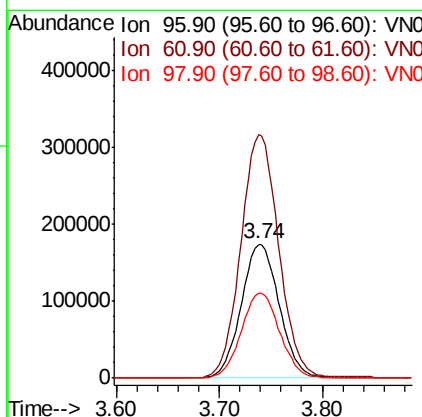
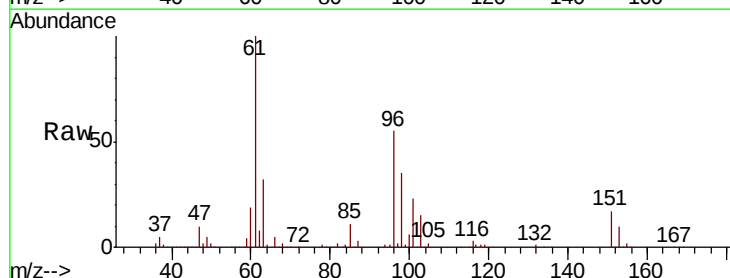
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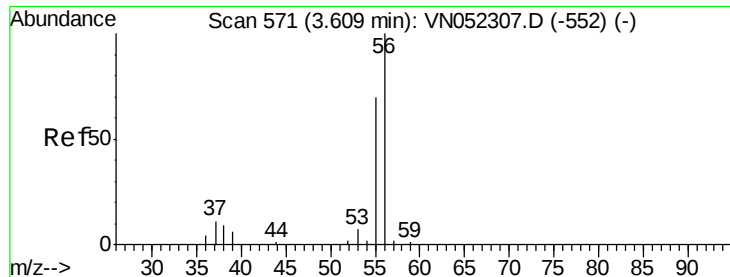


#12

1,1-Dichloroethene
 Concen: 146.893 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion: 96 Resp: 447154
 Ion Ratio Lower Upper
 96 100
 61 181.7 149.6 224.4
 98 63.1 54.2 81.2





#13

Acrolein

Concen: 870.836 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 265250

Ion Ratio Lower Upper

56 100

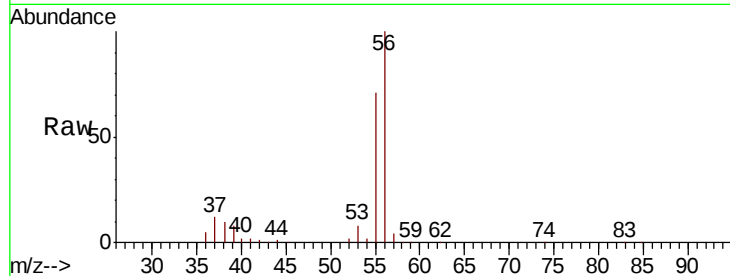
55 71.9 57.6 86.4

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Abundance Ion 56.00 (55.70 to 56.70): VN052309.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN052309.D (-478) (-)

3.60

120000

100000

80000

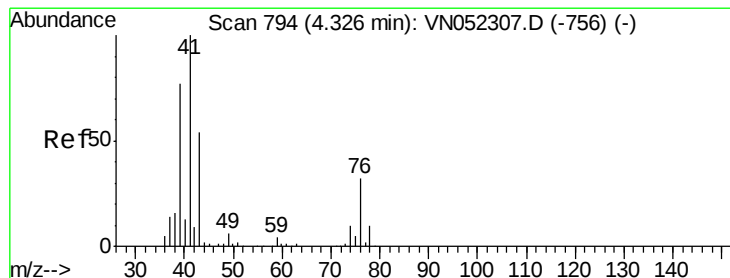
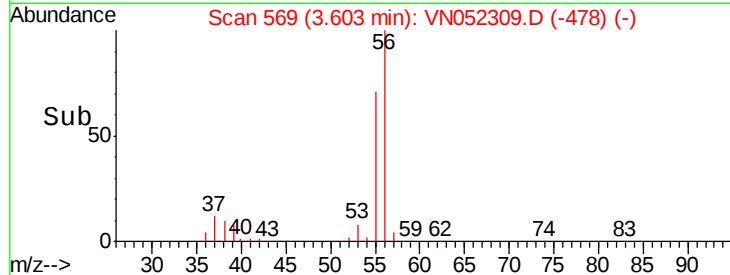
60000

40000

20000

0

Time--> 3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 154.442 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

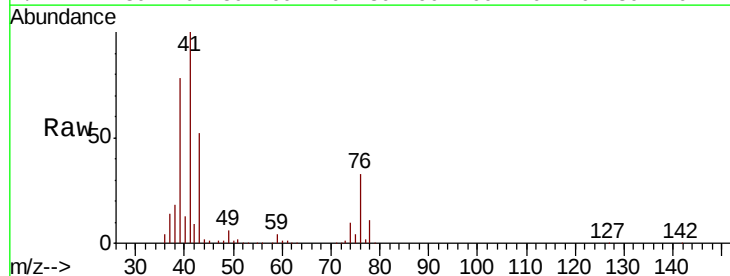
Tgt Ion: 41 Resp: 965338

Ion Ratio Lower Upper

41 100

39 74.3 59.1 88.7

76 30.0 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VN052309.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN052309.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN052309.D (-701) (-)

4.33

400000

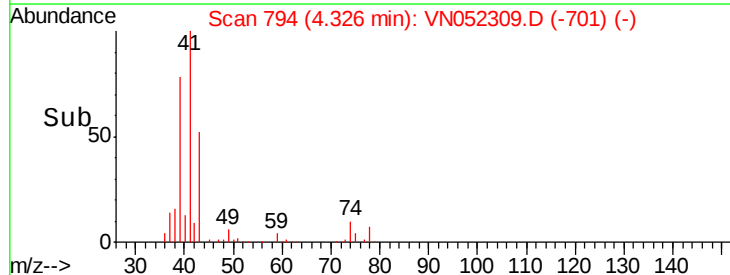
300000

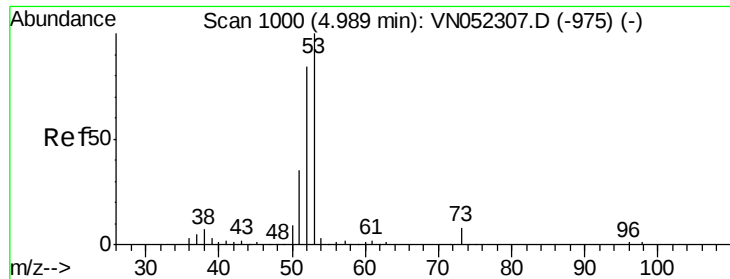
200000

100000

0

Time--> 4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 749.738 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

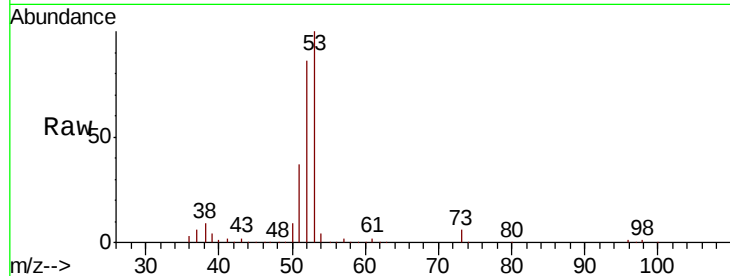
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	957794
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.5	101.3
51	38.4	29.9	44.9

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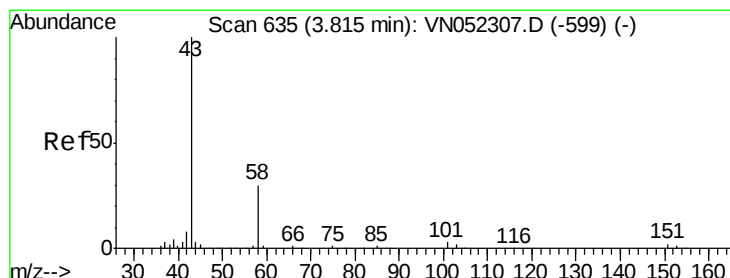
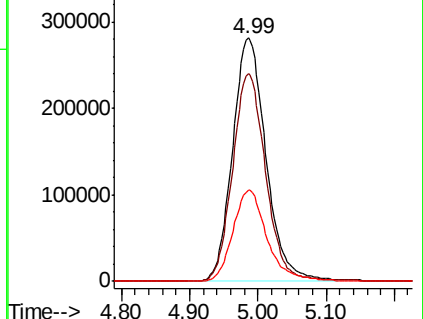
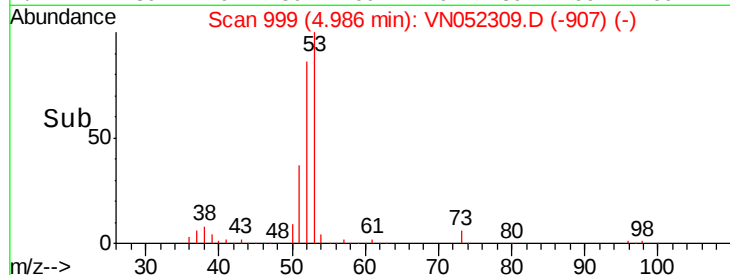


Abundance Ion 53.00 (52.70 to 53.70): VN052307.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN052307.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN052307.D (-975) (-)

Time-->



#16

Acetone

Concen: 707.998 ug/l

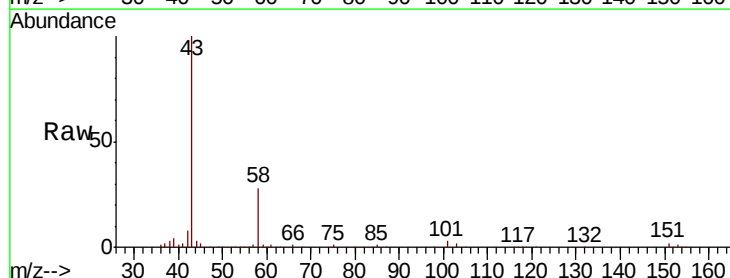
RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

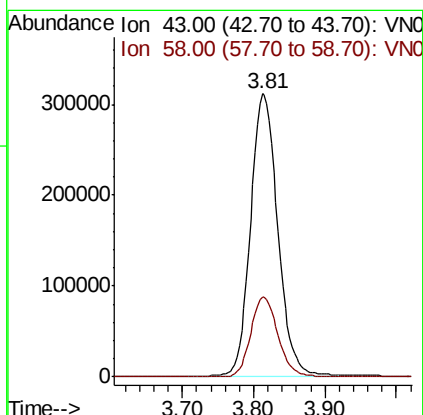
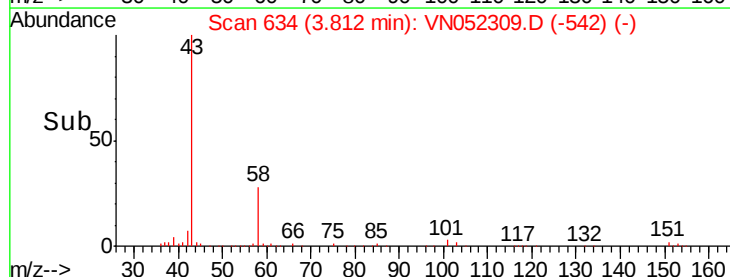
Tgt Ion:	43	Resp:	827943
Ion	Ratio	Lower	Upper
43	100		
58	28.3	24.2	36.4

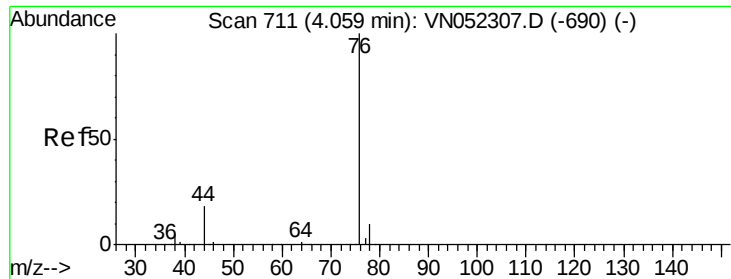


Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)

Time-->





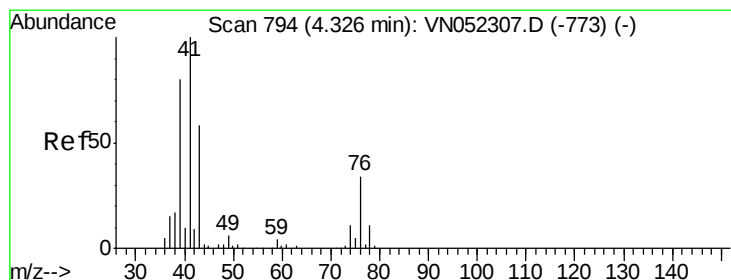
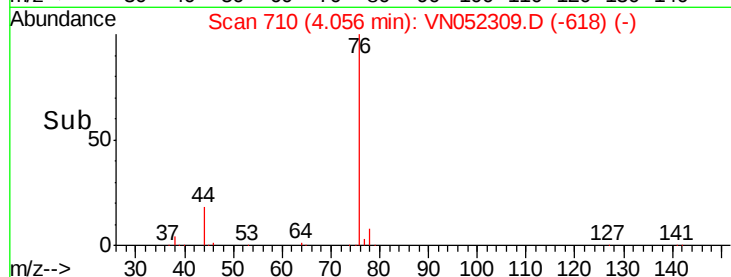
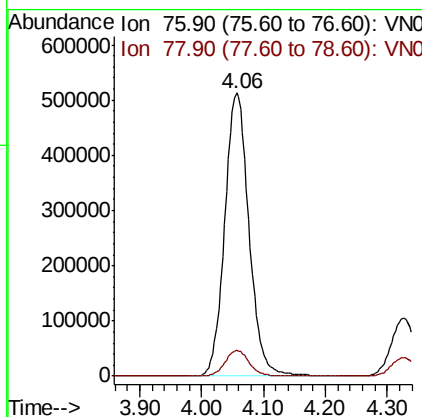
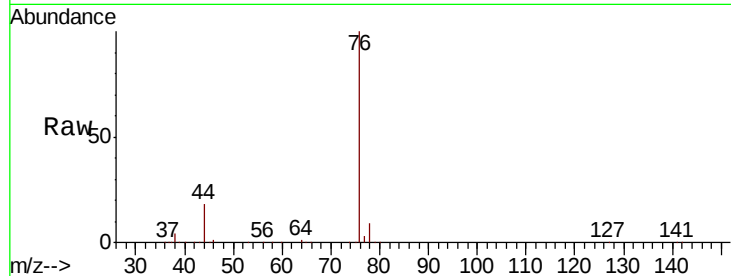
#17
Carbon Disulfide
Concen: 160.037 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 76 Resp: 1396943
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5

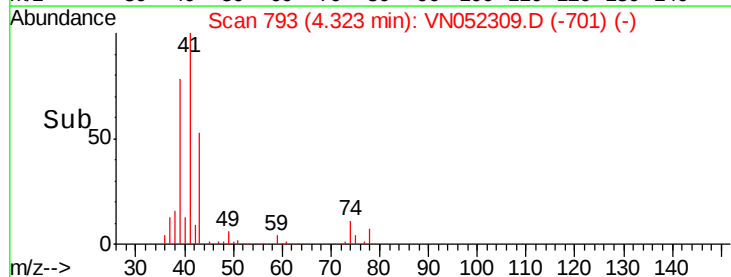
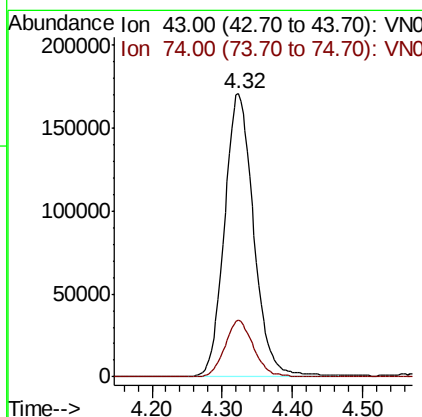
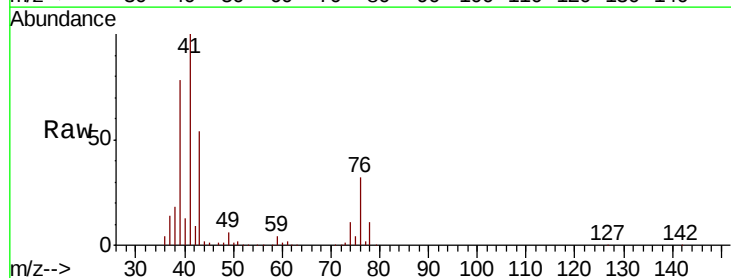
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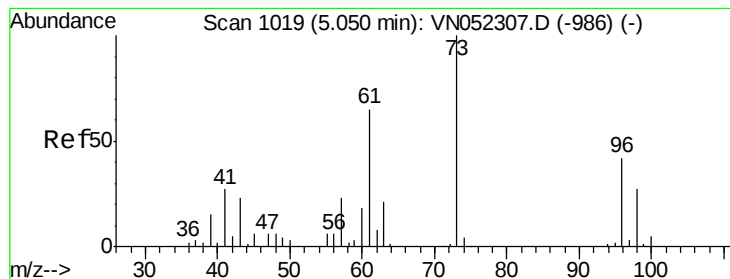
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#18
Methyl Acetate
Concen: 147.176 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion: 43 Resp: 491166
Ion Ratio Lower Upper
43 100
74 19.8 15.9 23.9





#19

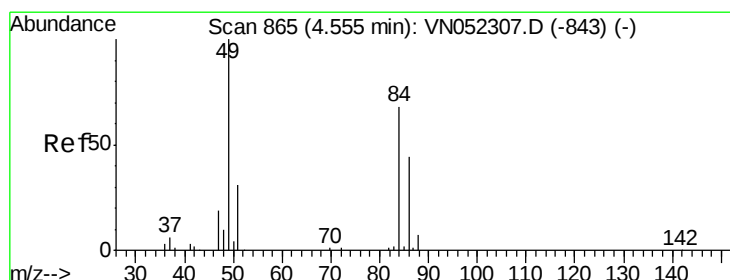
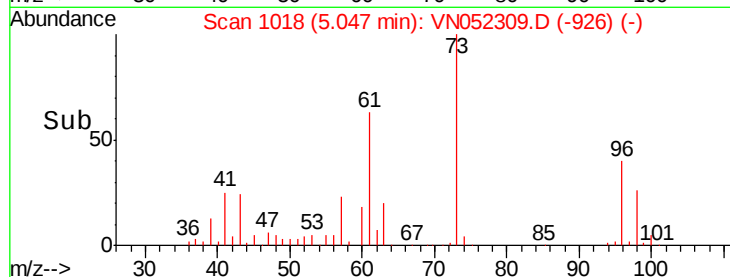
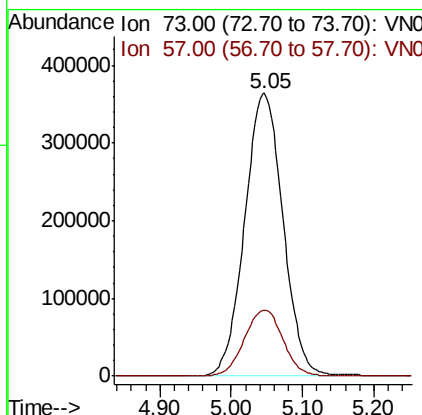
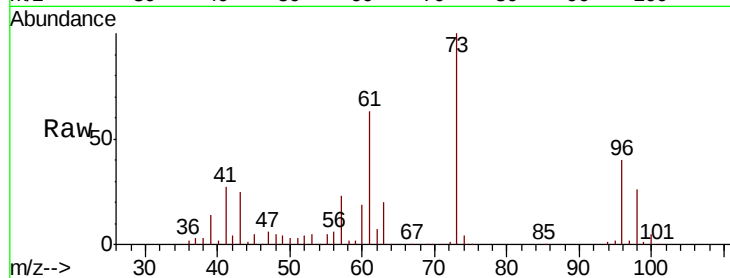
Methyl tert-butyl Ether
 Concen: 154.957 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1355541
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.7 28.1

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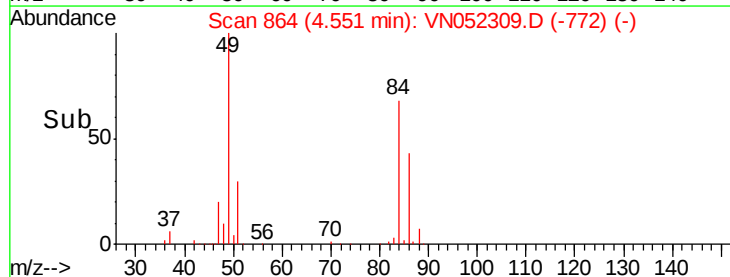
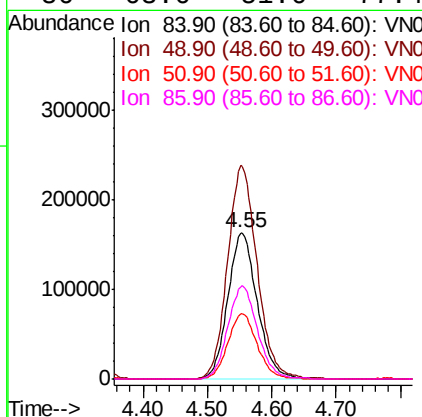
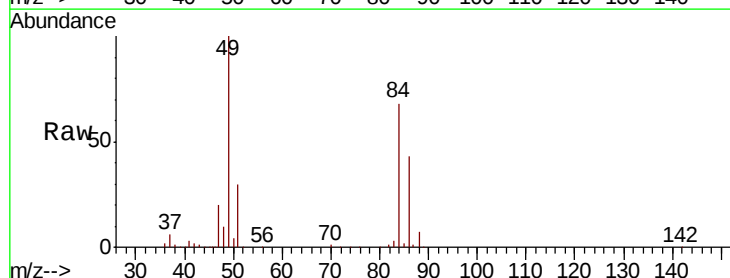
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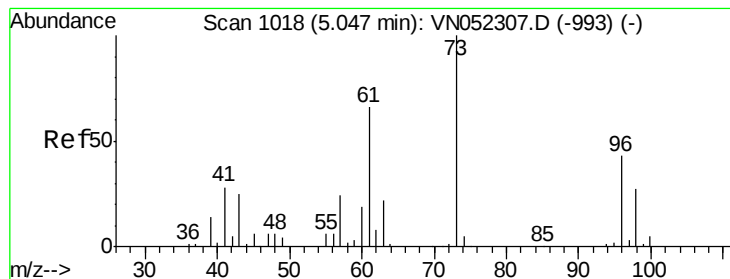


#20

Methylene Chloride
 Concen: 135.452 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion: 84 Resp: 518523
 Ion Ratio Lower Upper
 84 100
 49 146.3 118.2 177.2
 51 44.6 36.1 54.1
 86 63.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 151.336 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 477193

Ion Ratio Lower Upper

96 100

61 154.5 123.6 185.4

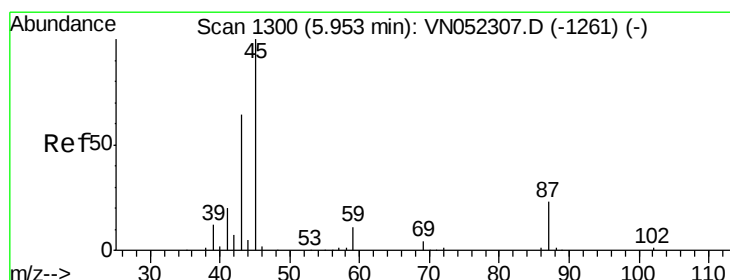
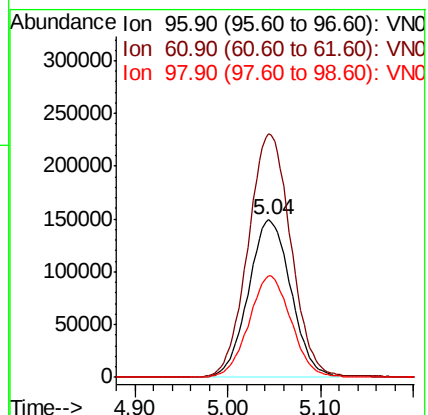
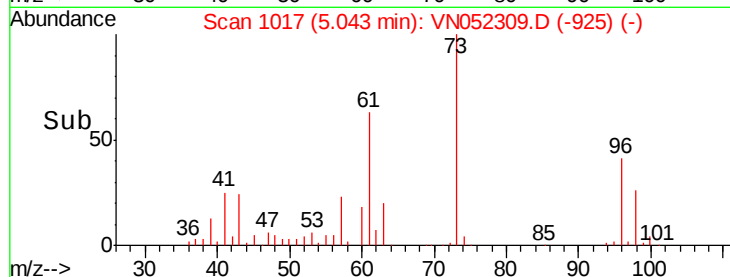
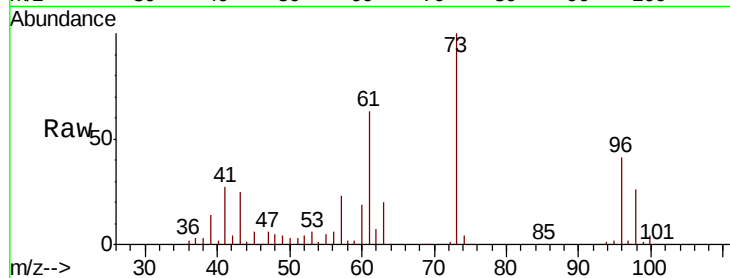
98 64.3 50.7 76.1

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#22

Diisopropyl ether

Concen: 148.940 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Tgt Ion: 45 Resp: 1919793

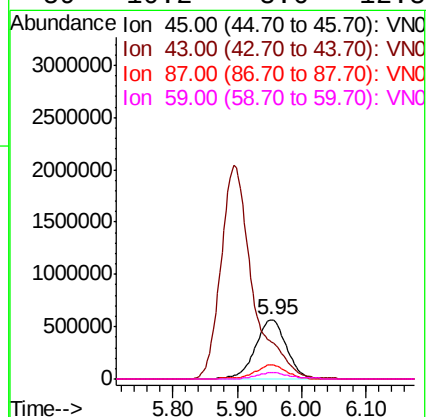
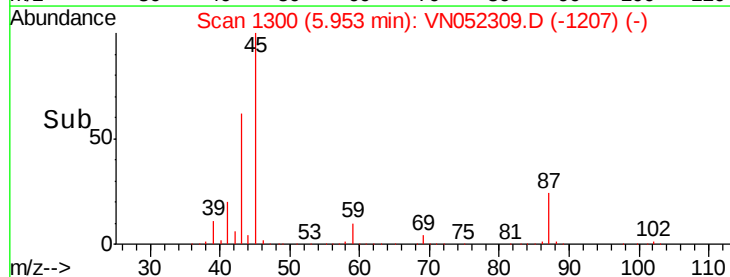
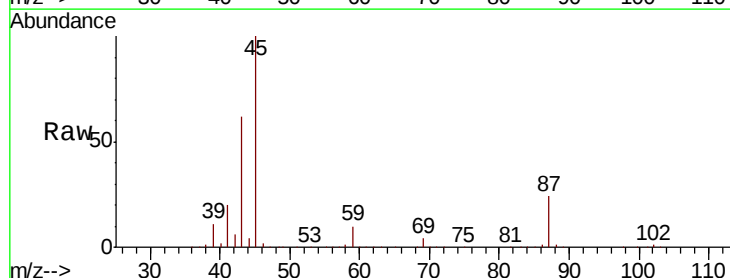
Ion Ratio Lower Upper

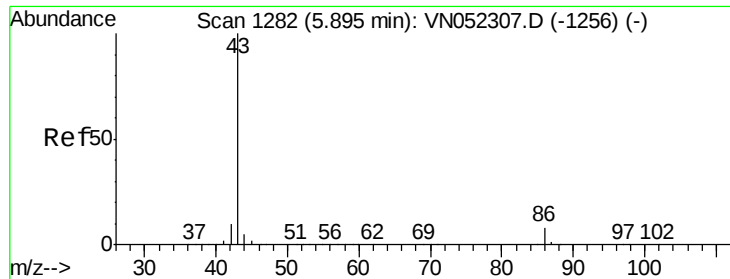
45 100

43 61.6 51.4 77.2

87 23.8 18.8 28.2

59 10.2 8.6 12.8





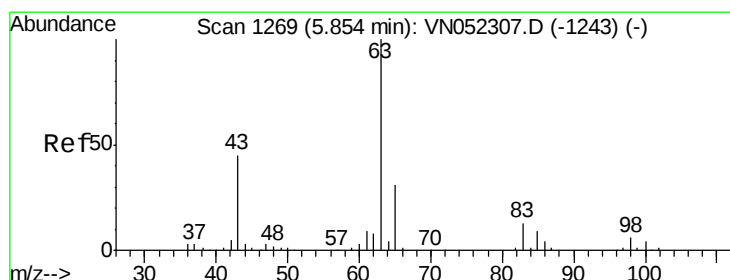
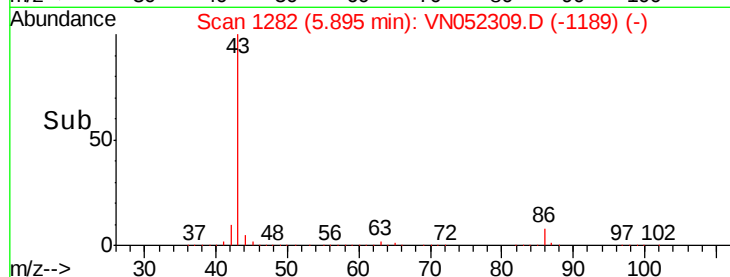
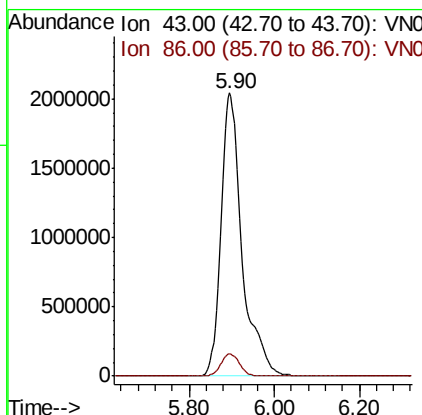
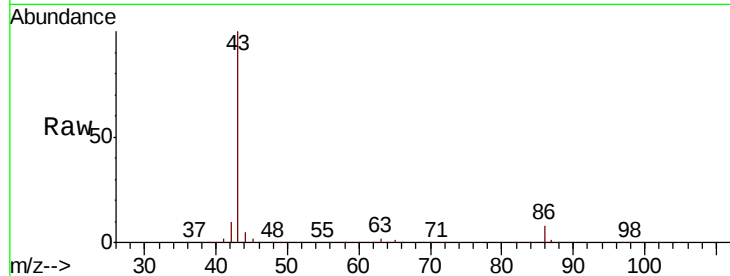
#23
 Vinyl Acetate
 Concen: 810.122 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 7008654
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.5 9.7

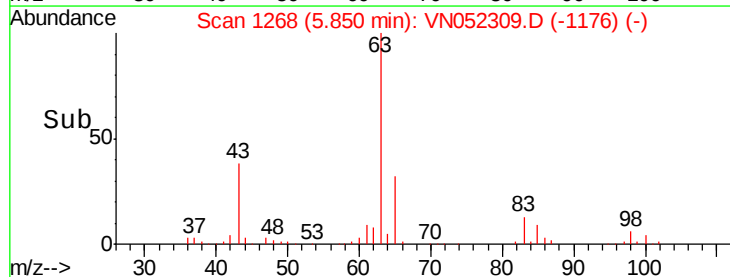
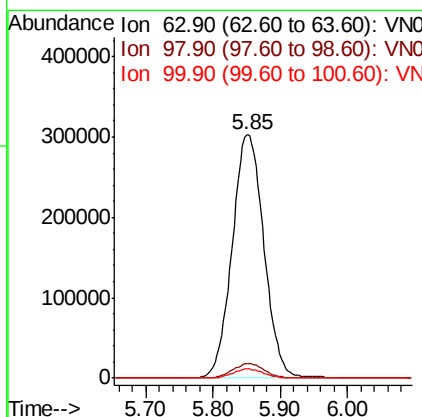
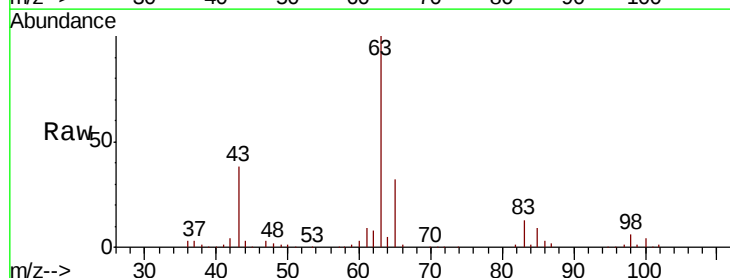
Manual Integrations
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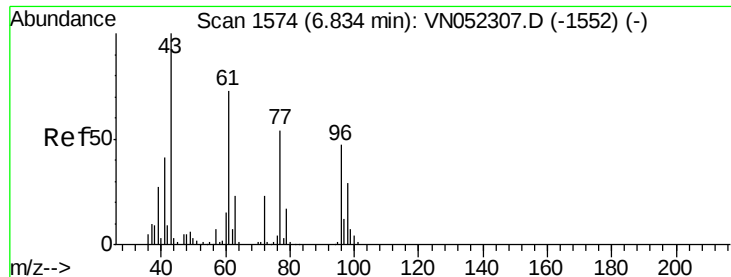
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 11/20/2018 2:58:27 PM



#24
 1,1-Dichloroethane
 Concen: 145.236 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion: 63 Resp: 993203
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.6
 100 3.6 1.9 5.7





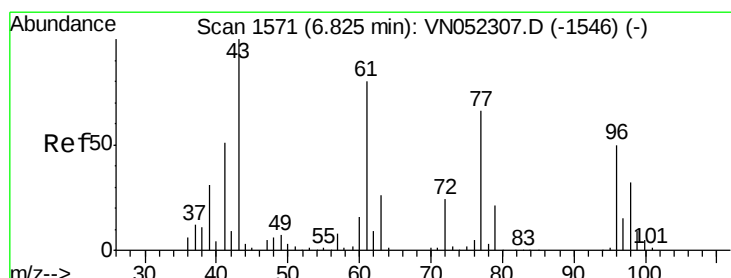
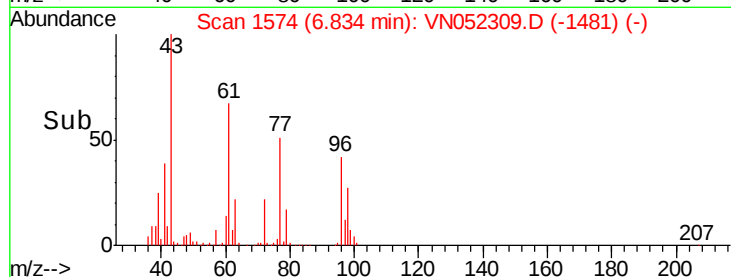
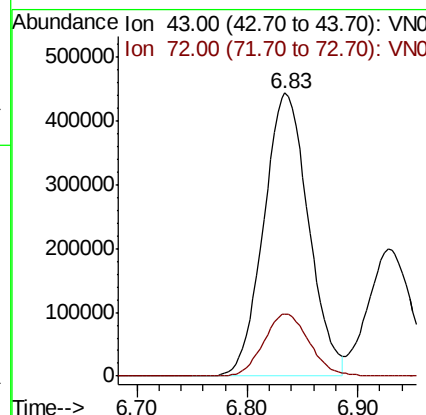
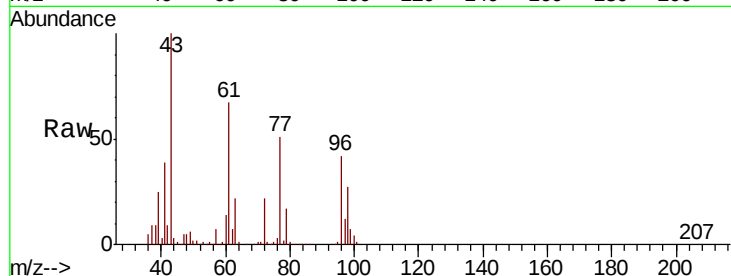
#25
2-Butanone
Concen: 771.134 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1248173
Ion Ratio Lower Upper
43 100
72 22.1 18.6 27.8

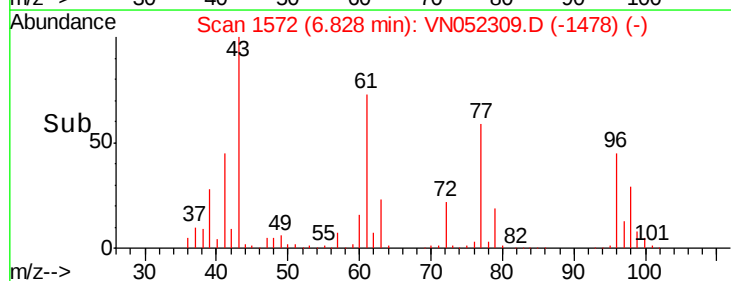
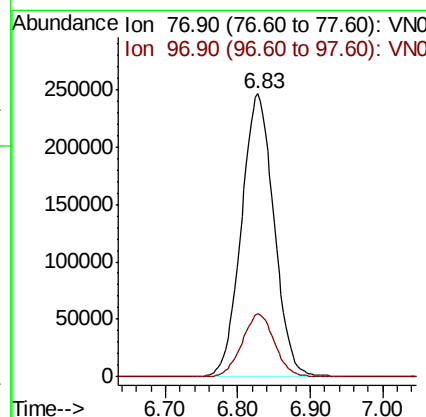
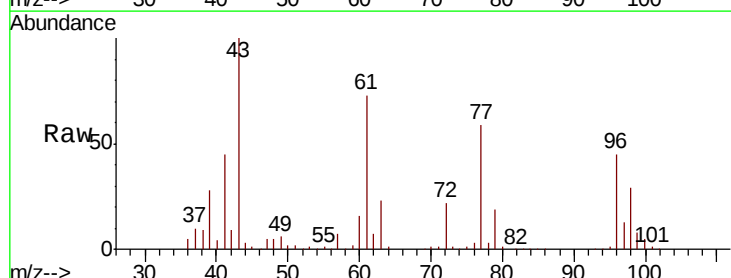
Manual Integrations
APPROVED

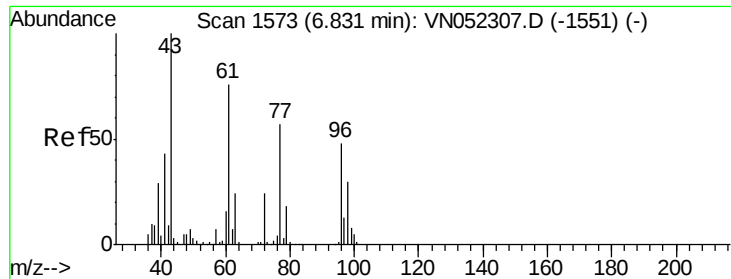
MMDadoda
11/20/2018 2:58:27 PM



#26
2,2-Dichloropropane
Concen: 153.186 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion: 77 Resp: 770296
Ion Ratio Lower Upper
77 100
97 22.2 11.1 33.1





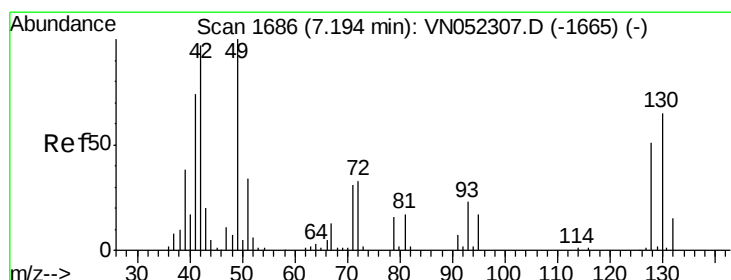
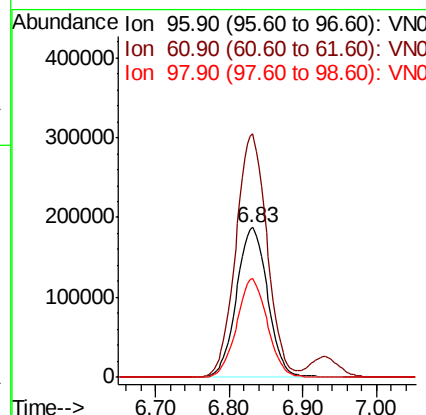
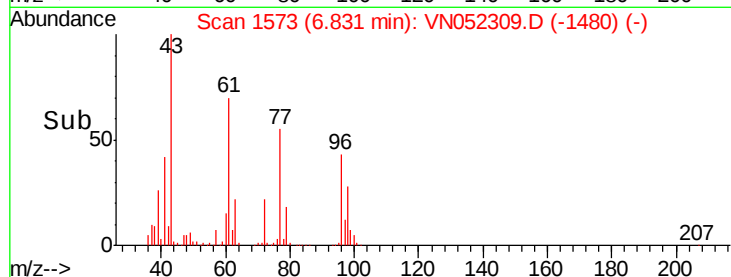
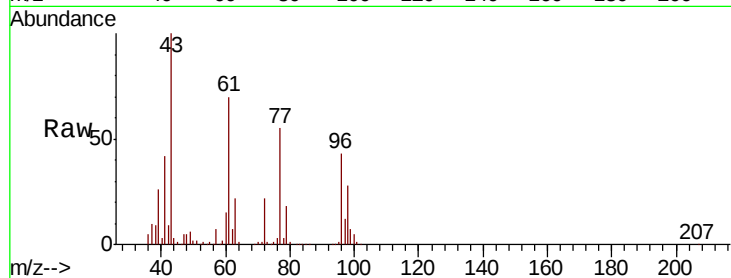
#27
 cis-1,2-Dichloroethene
 Concen: 144.961 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.2	0.0	316.8
98	64.8	0.0	126.6

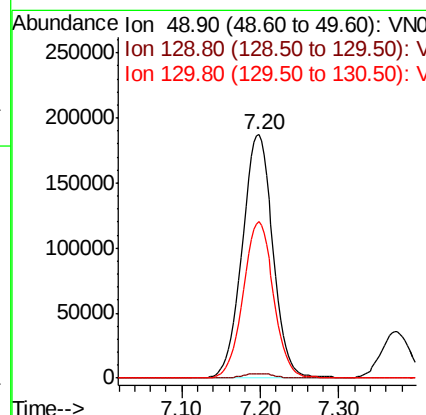
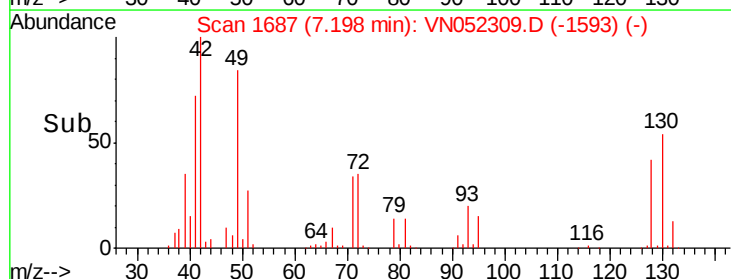
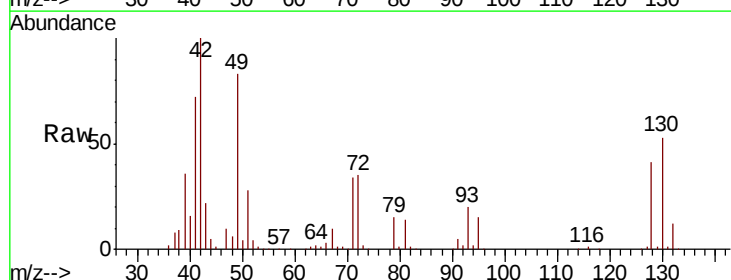
Manual Integrations
 APPROVED

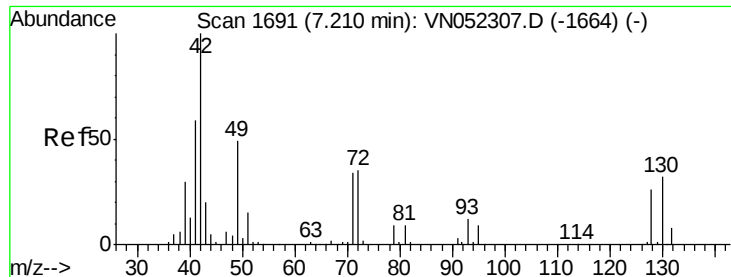
MMDadoda
 11/20/2018 2:58:27 PM



#28
 Bromochloromethane
 Concen: 146.136 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.0
130	63.6	50.4	75.6





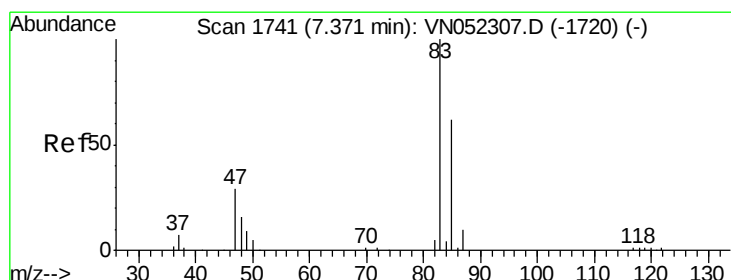
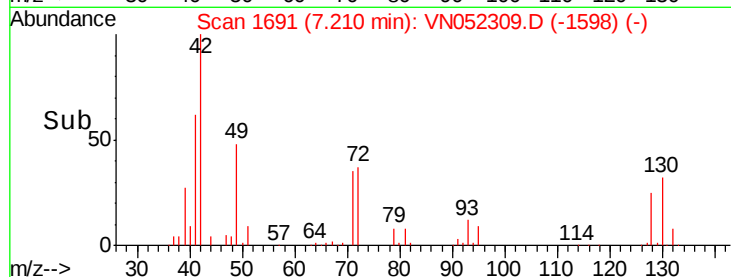
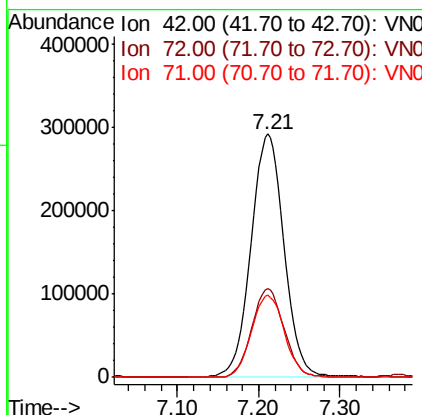
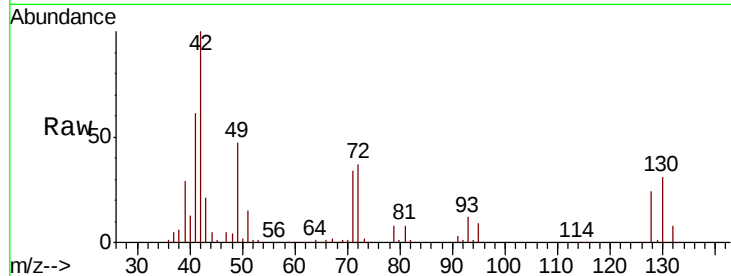
#29
Tetrahydrofuran
Concen: 761.343 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	28.6	42.8
71	33.8	26.7	40.1

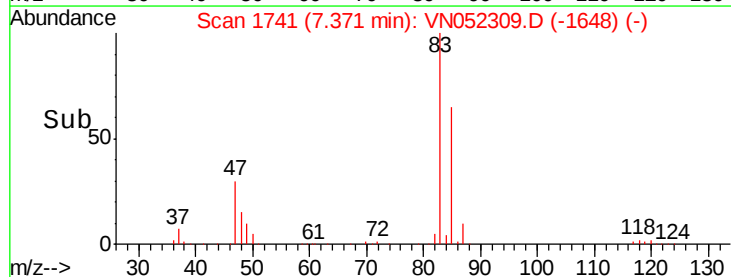
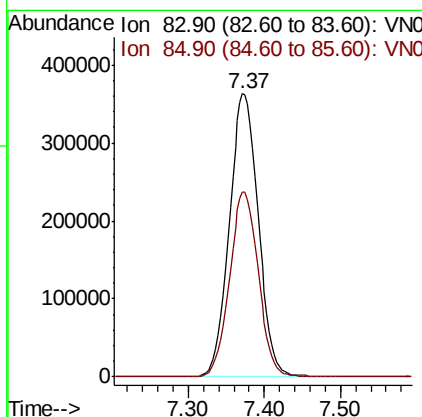
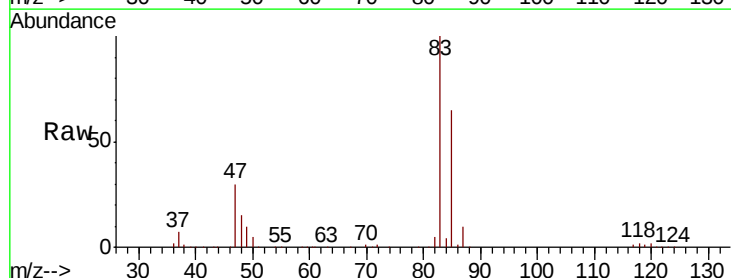
Manual Integrations
APPROVED

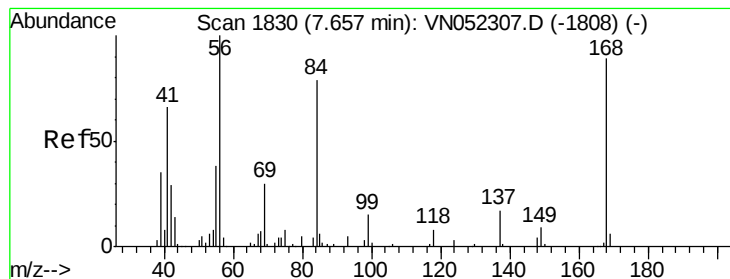
MMDadoda
11/20/2018 2:58:27 PM



#30
Chloroform
Concen: 147.404 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.4	74.2





#31

Cyclohexane

Concen: 118.260 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 937587

Ion Ratio Lower Upper

56 100

69 28.3 23.8 35.8

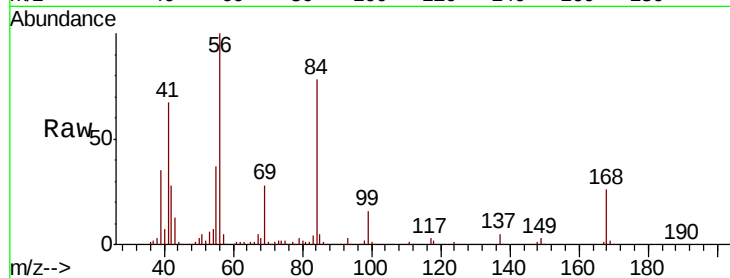
84 76.2 63.0 94.6

Manual Integrations

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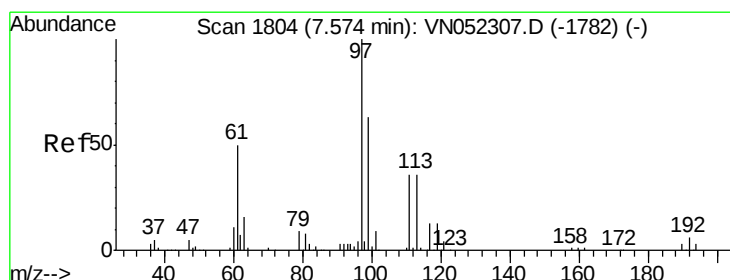
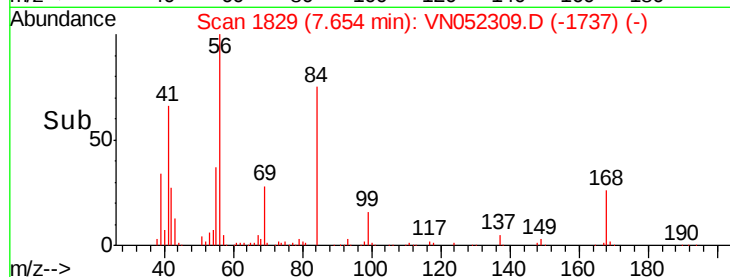
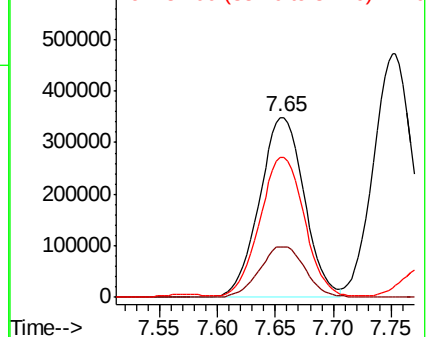


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 150.645 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

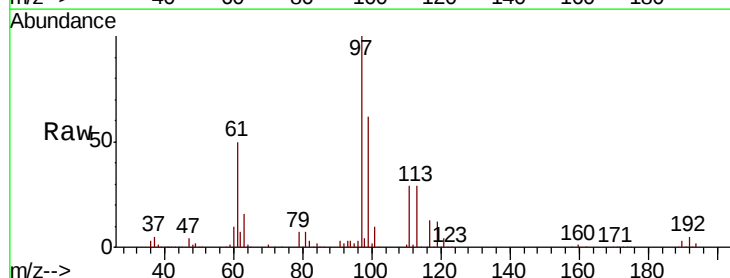
Tgt Ion: 97 Resp: 836350

Ion Ratio Lower Upper

97 100

99 63.2 50.2 75.2

61 50.5 40.2 60.4

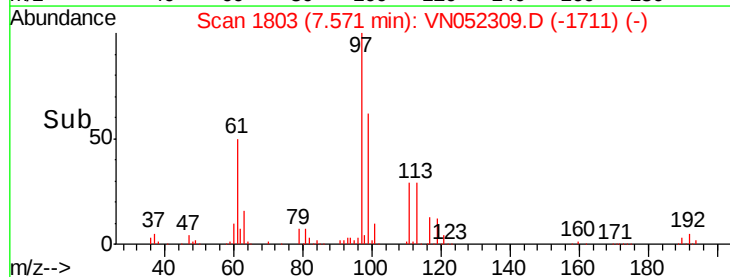
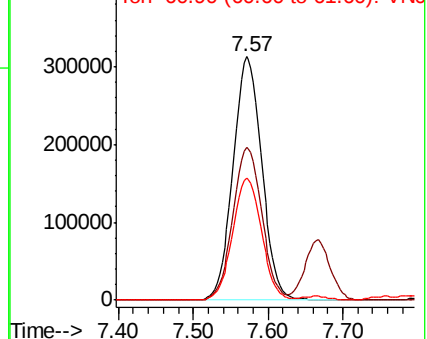


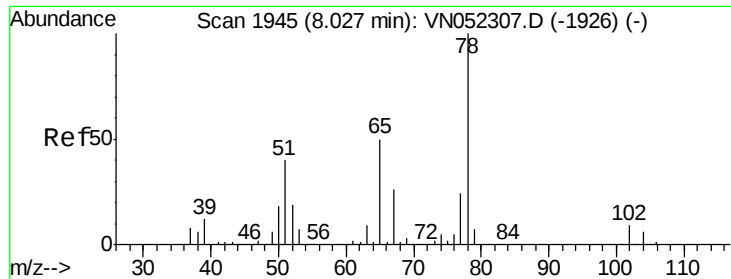
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





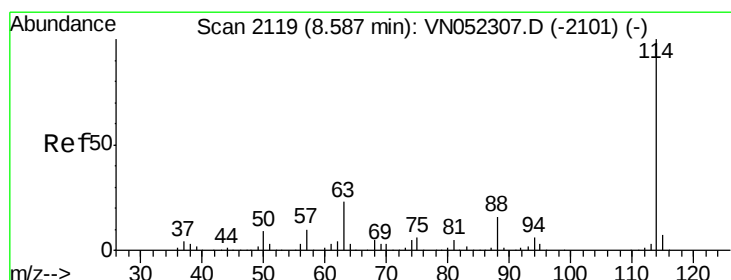
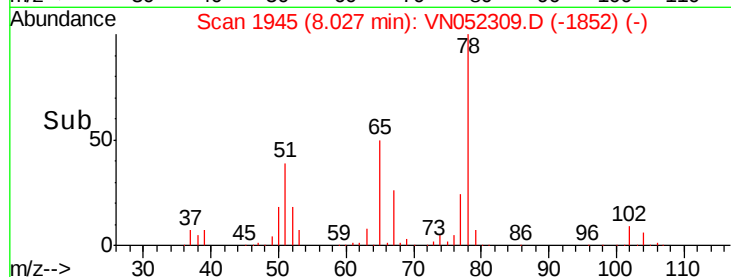
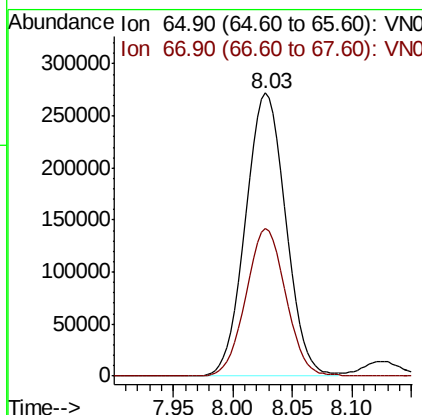
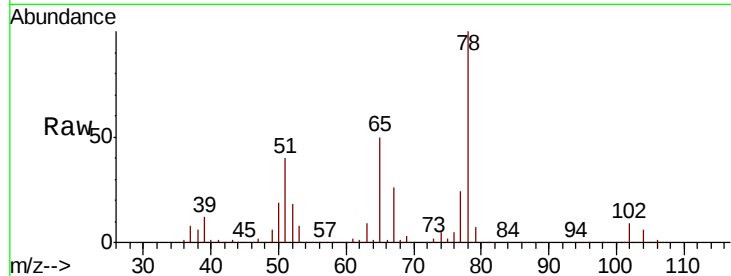
#33
 1,2-Dichloroethane-d4
 Concen: 150.645 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	637821		
67	51.7	0.0	105.2	

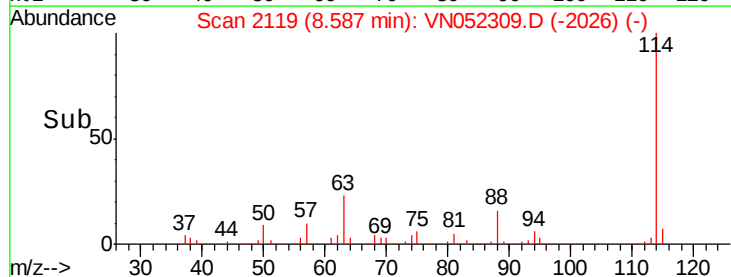
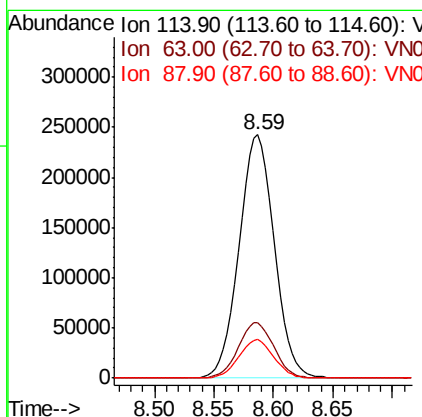
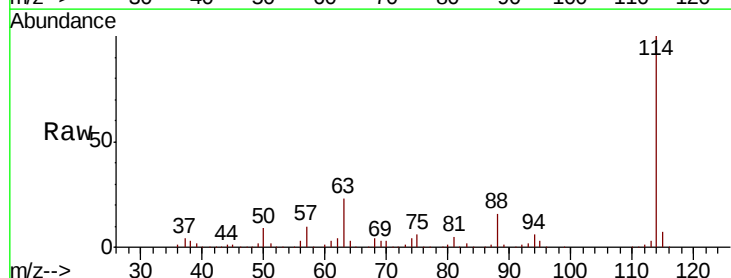
Manual Integrations
 APPROVED

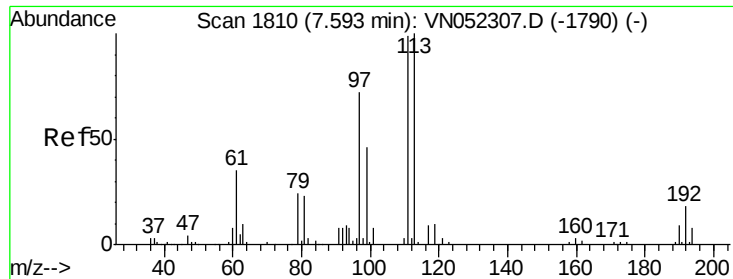
MMDadoda
 11/20/2018 2:58:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	497822		
63	22.7	0.0	45.4	
88	15.8	0.0	31.2	





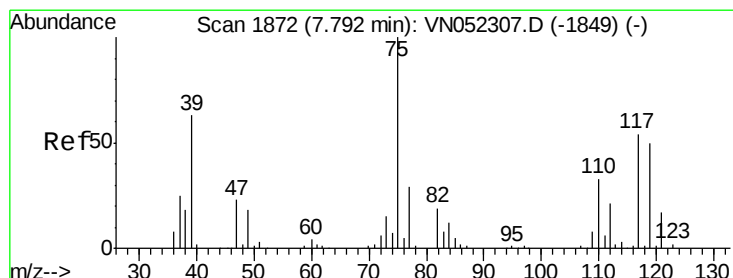
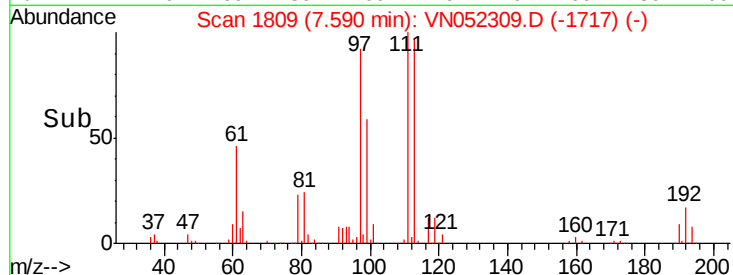
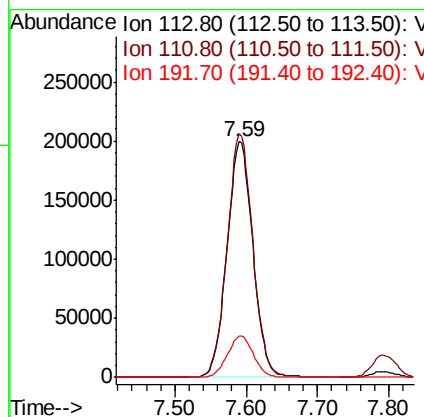
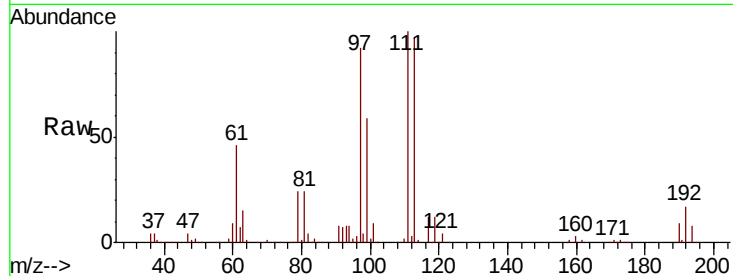
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	81.0	121.6	
192	17.6	13.8	20.6	

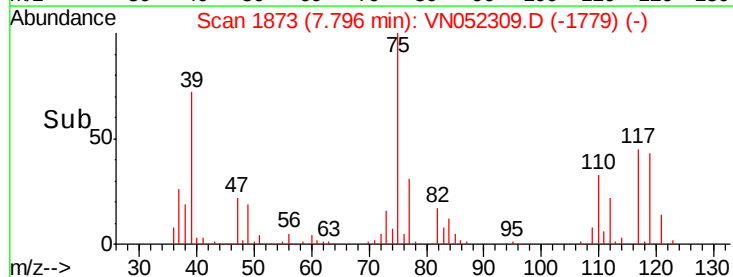
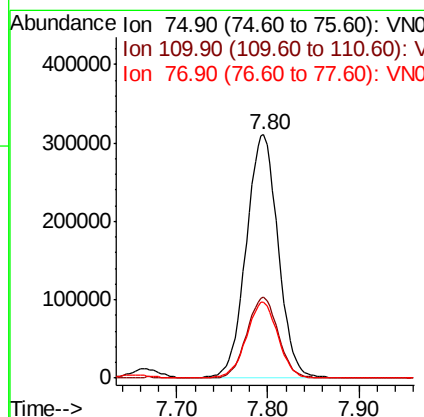
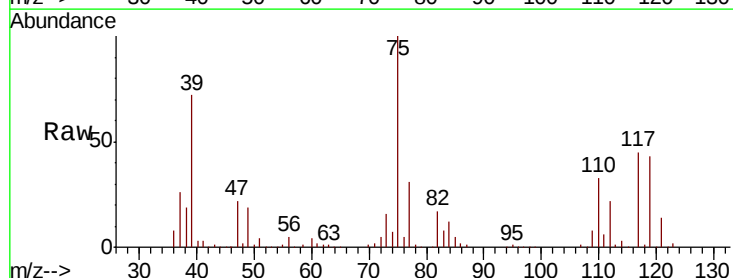
Manual Integrations
APPROVED

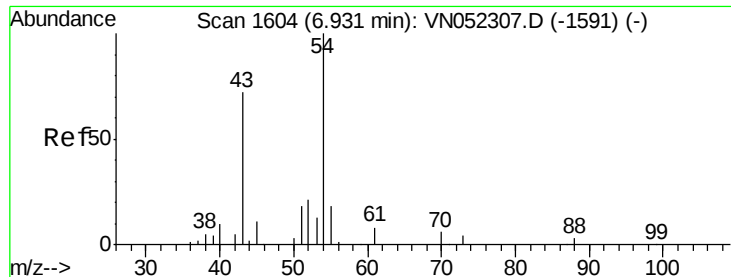
MMDadoda
11/20/2018 2:58:27 PM



#36
1,1-Dichloropropene
Concen: 150.770 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.9	16.5	49.5	
77	31.0	24.2	36.2	





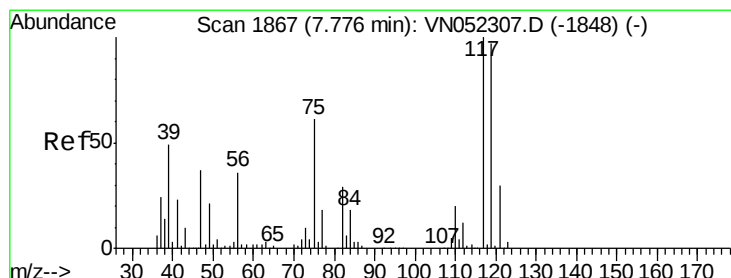
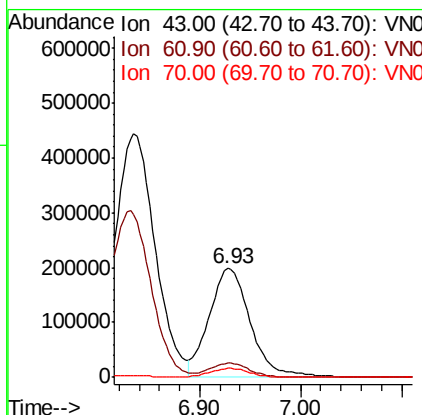
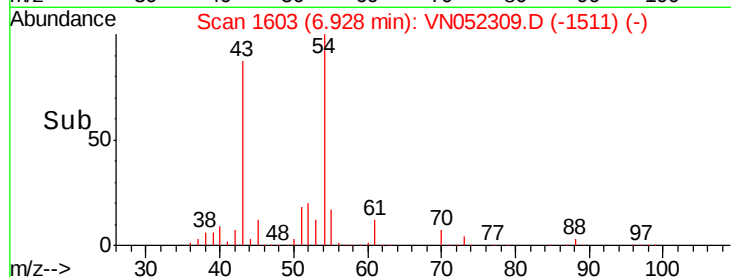
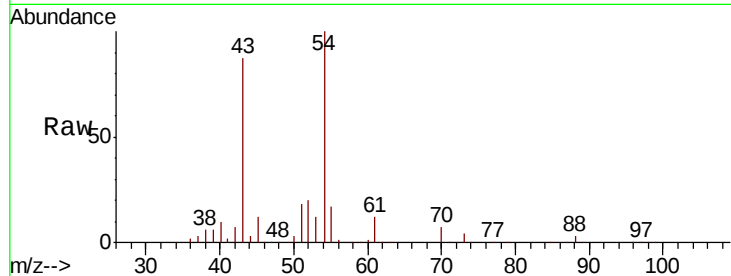
#37
Ethyl Acetate
Concen: 145.776 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	7.9	5.6	8.4

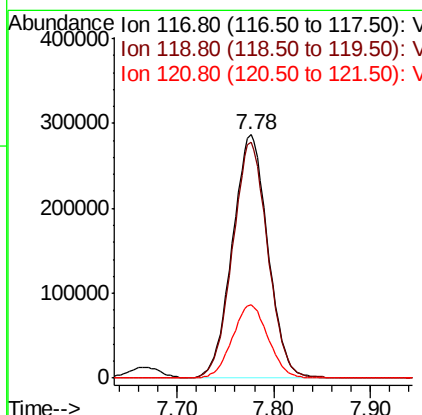
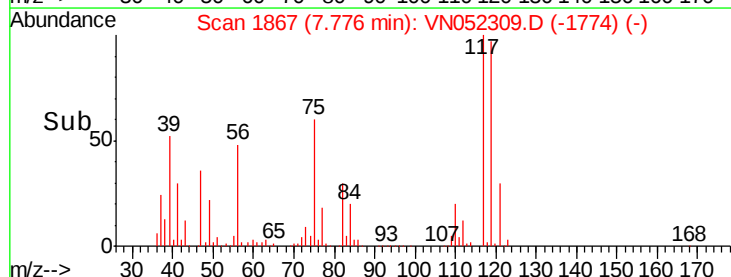
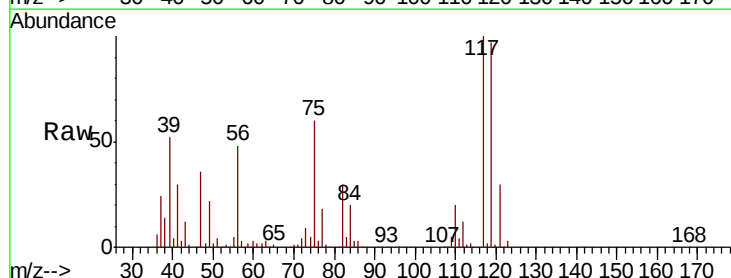
Manual Integrations
APPROVED

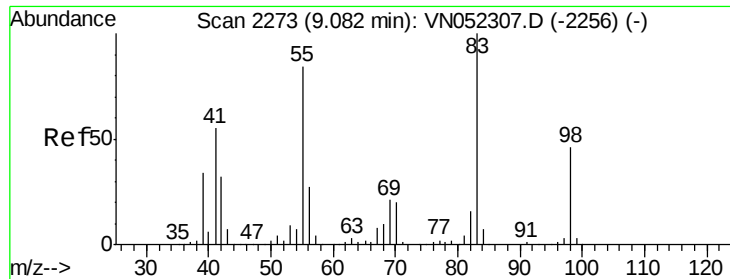
MMDadoda
11/20/2018 2:58:27 PM



#38
Carbon Tetrachloride
Concen: 158.545 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.4	116.0
121	29.9	24.0	36.0





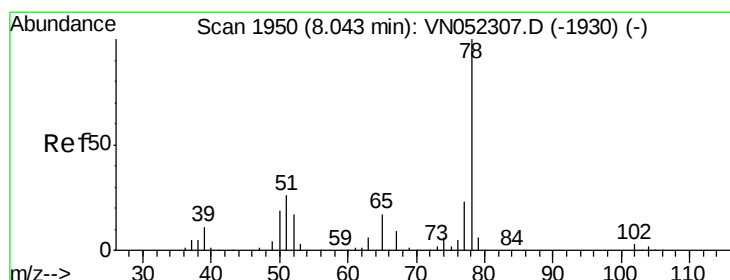
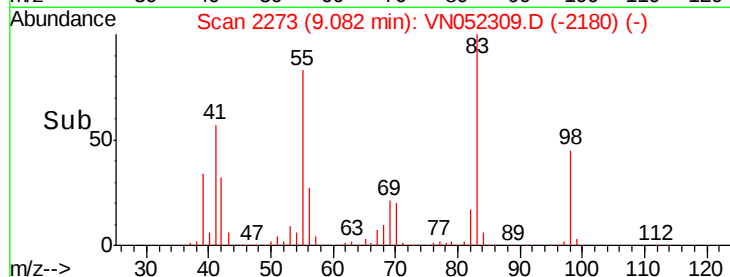
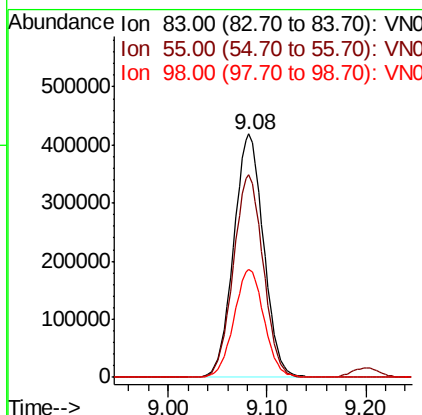
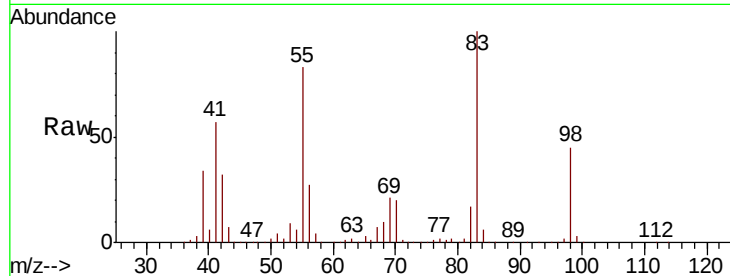
#39
Methvlcvclohexane
Concen: 154.590 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	83	Resp	880557
Ion Ratio	100	Lower	Upper
83	100		
55	83.5	66.8	100.2
98	44.6	36.4	54.6

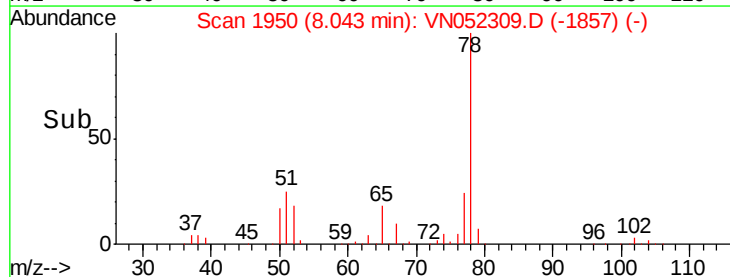
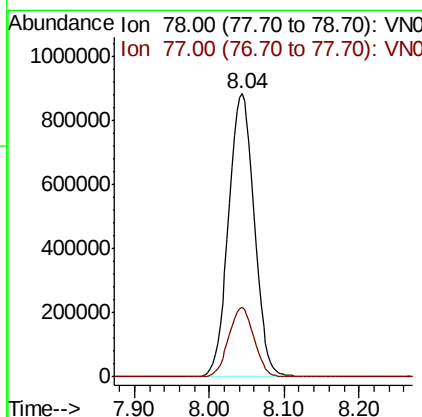
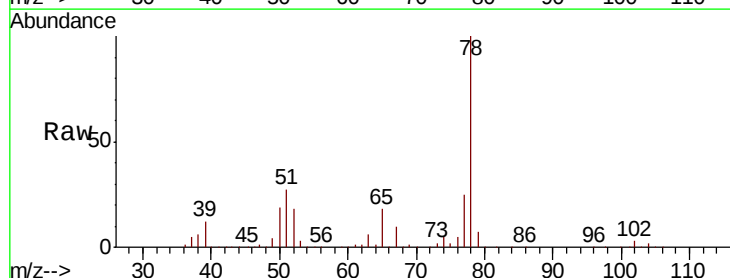
Manual Integrations
APPROVED

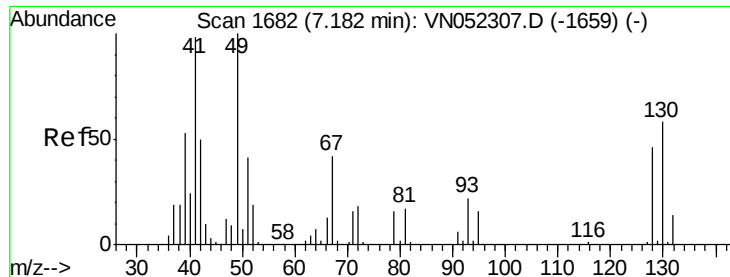
MMDadoda
11/20/2018 2:58:27 PM



#40
Benzene
Concen: 148.412 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion	78	Resp	2115530
Ion Ratio	100	Lower	Upper
78	100		
77	24.6	18.7	28.1





#41

Methacrylonitrile

Concen: 160.172 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 328601

Ion Ratio Lower Upper

41 100

39 60.9 0.0 0.0#

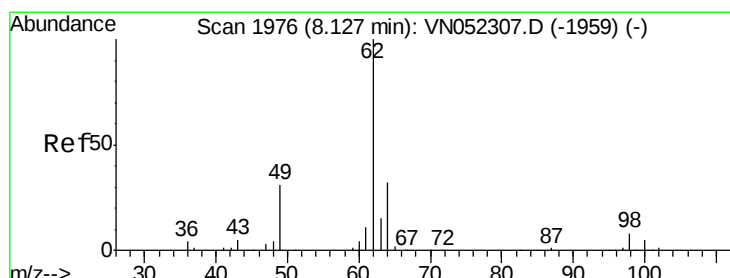
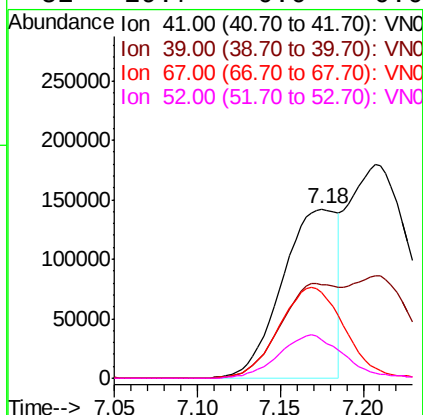
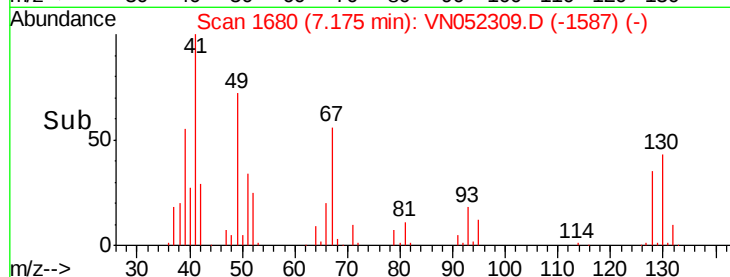
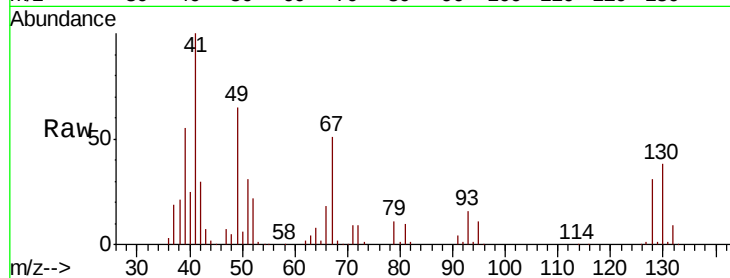
67 64.3 0.0 0.0#

52 29.7 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 152.384 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052309.D

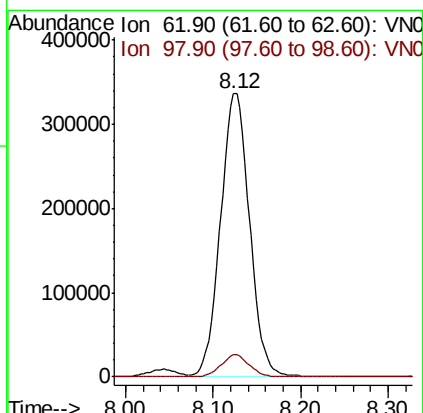
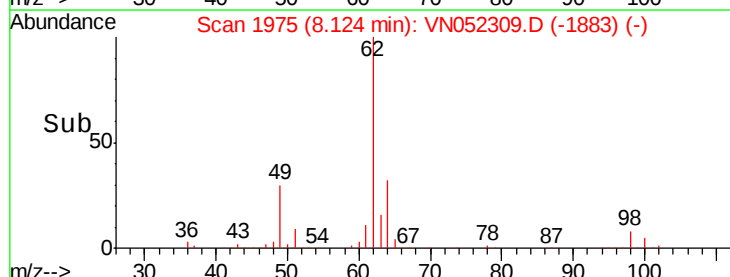
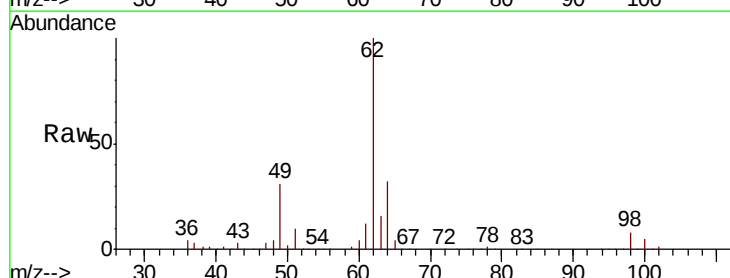
Acq: 14 Nov 2018 12:44

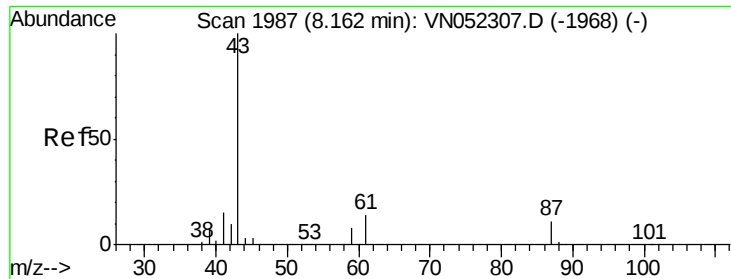
Tgt Ion: 62 Resp: 774570

Ion Ratio Lower Upper

62 100

98 7.6 0.0 15.6





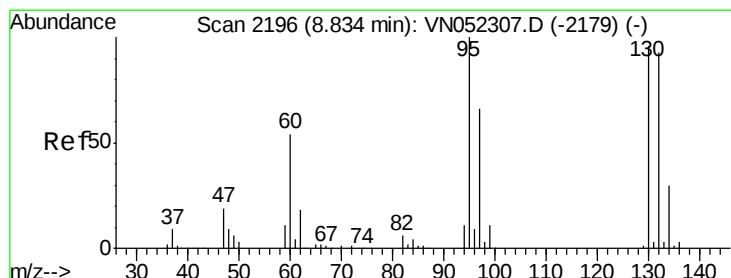
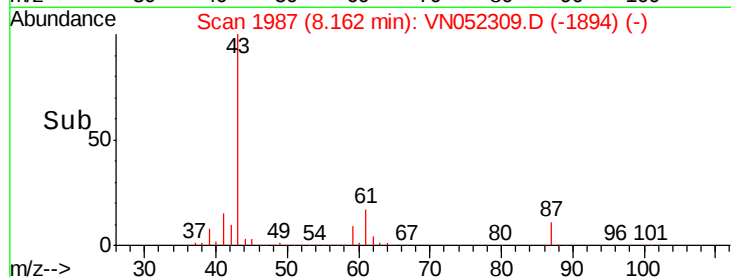
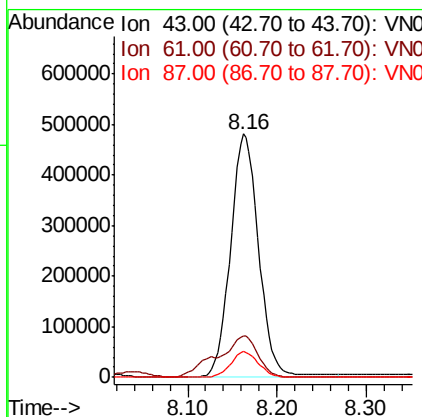
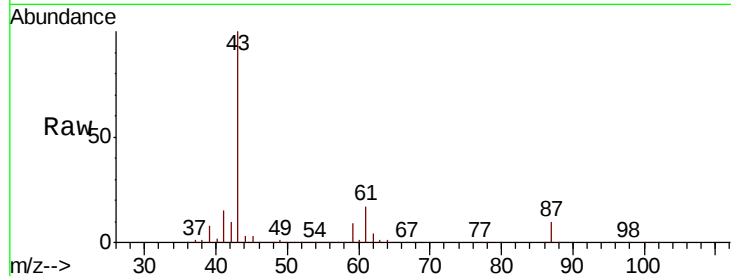
#43
Isopropyl Acetate
Concen: 150.744 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1053356
Ion Ratio Lower Upper
43 100
61 24.6 12.0 18.0#
87 10.4 8.3 12.5

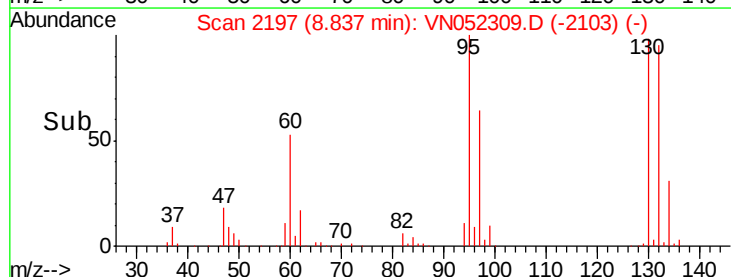
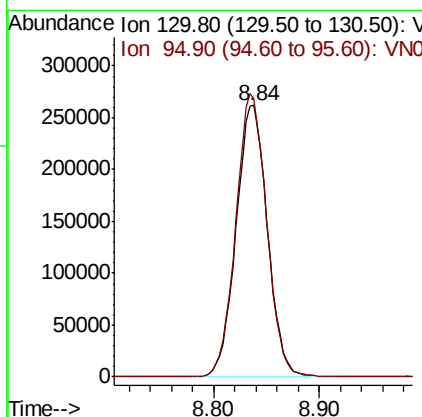
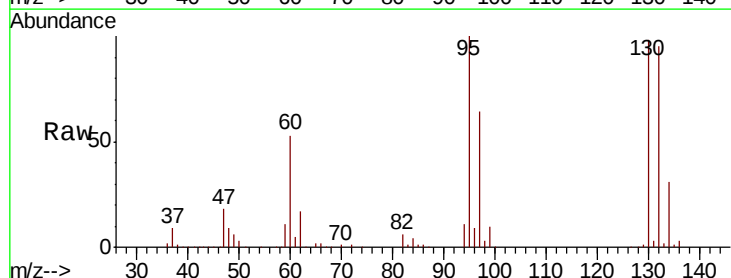
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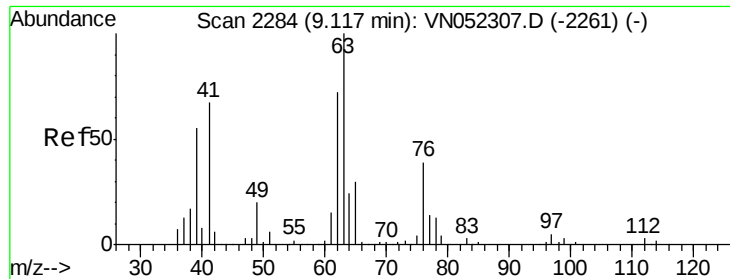
MMDadoda
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#44
Trichloroethene
Concen: 153.682 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion: 130 Resp: 539614
Ion Ratio Lower Upper
130 100
95 102.5 0.0 208.4





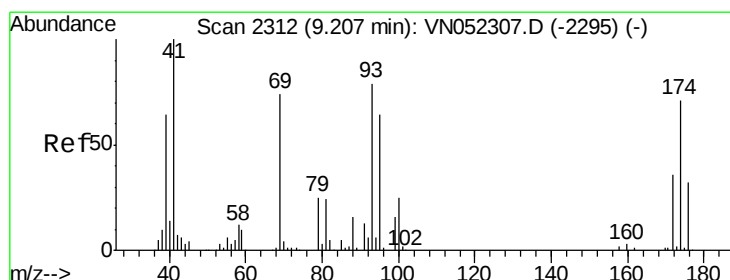
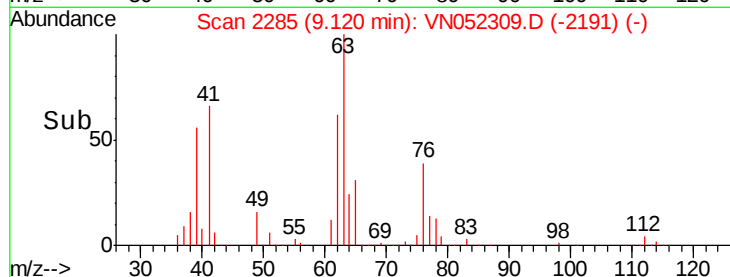
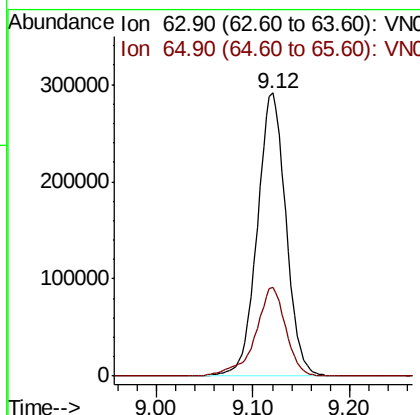
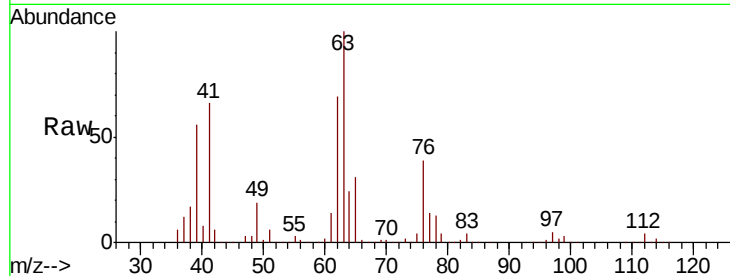
#45
 1,2-Dichloropropane
 Concen: 147.700 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 597495
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.4

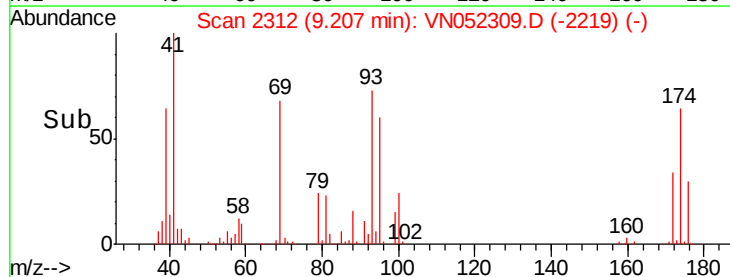
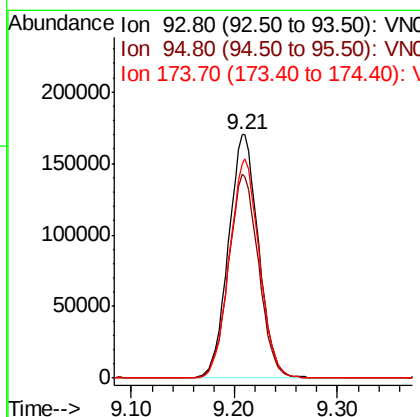
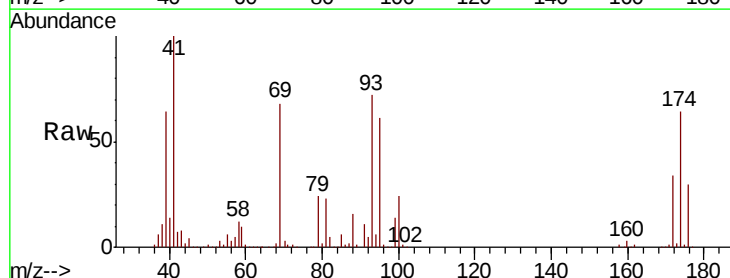
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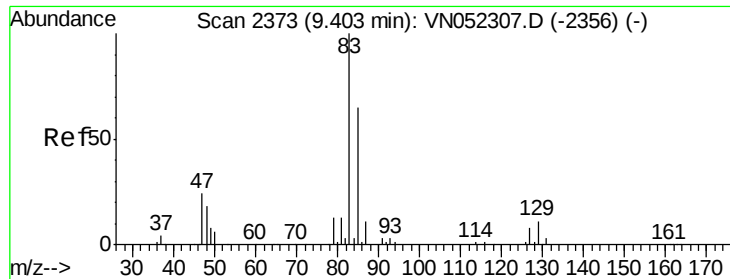
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#46
 Dibromomethane
 Concen: 147.412 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion: 93 Resp: 345217
 Ion Ratio Lower Upper
 93 100
 95 83.8 64.2 96.2
 174 89.7 70.9 106.3





#47

Bromodichloromethane

Concen: 156.107 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

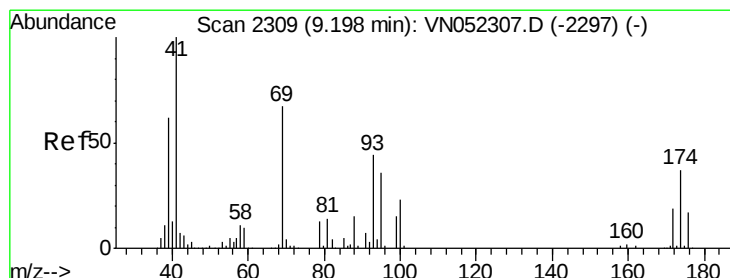
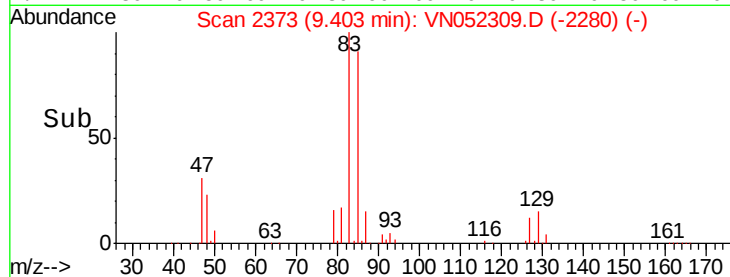
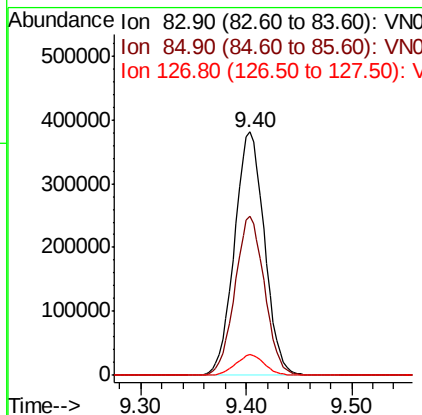
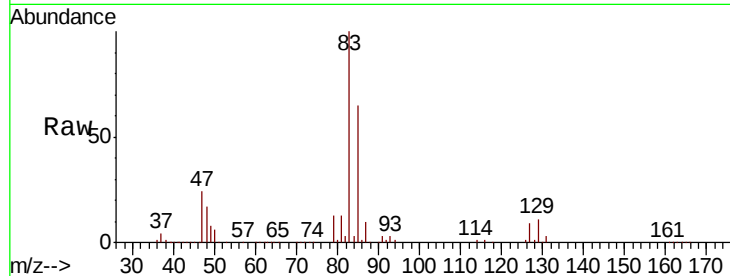
ClientSampleId :

VSTDICC150

Tot Ion:	83	Resp:	750198
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.2	78.4
127	8.5	6.7	10.1

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#48

Methyl methacrylate

Concen: 149.808 ug/l

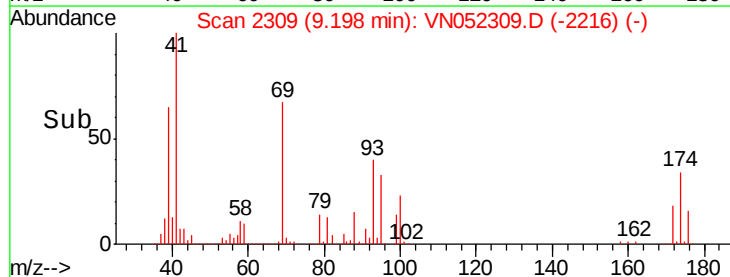
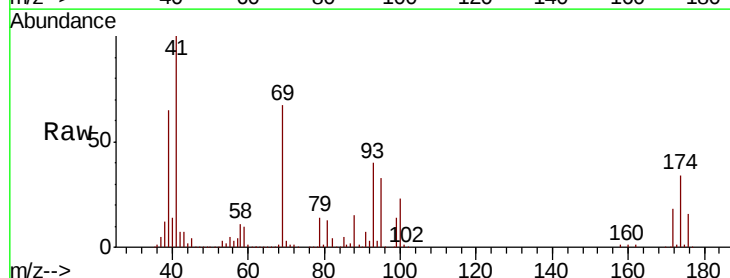
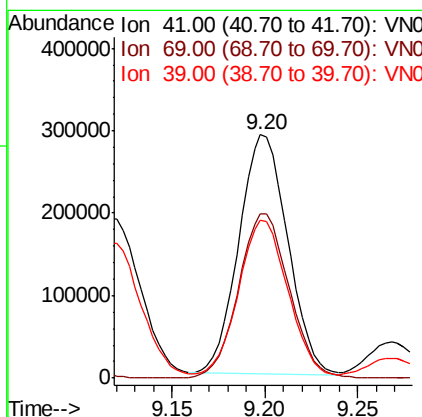
RT: 9.20 min Scan# 2309

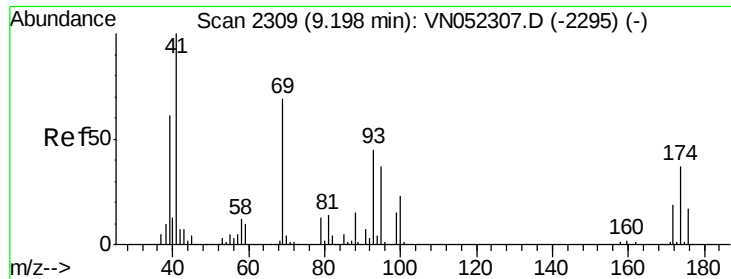
Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Tgt Ion:	41	Resp:	531174
Ion Ratio	Lower	Upper	
41	100		
69	71.0	57.1	85.7
39	67.1	52.5	78.7





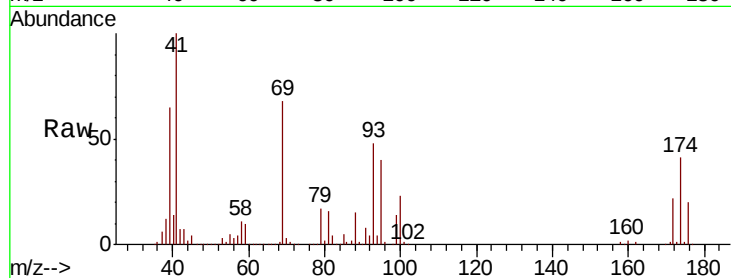
#49
1,4-Dioxane
Concen: 3338.598 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.1	33.3	49.9
58	76.1	59.2	88.8

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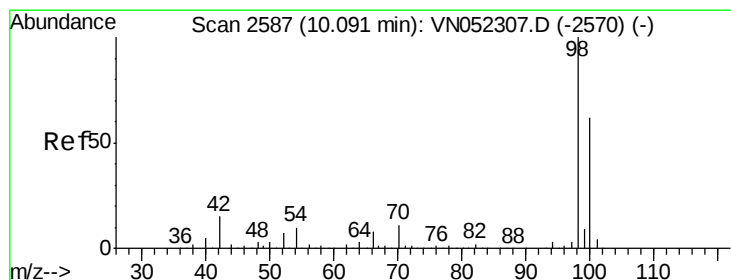
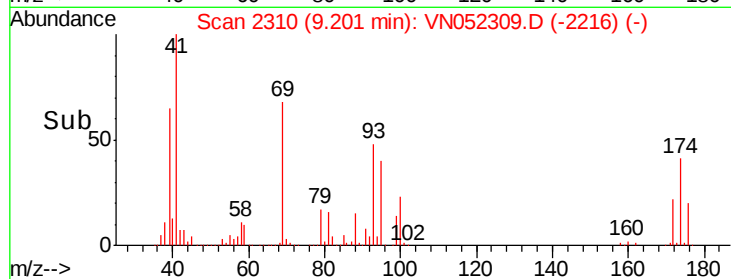
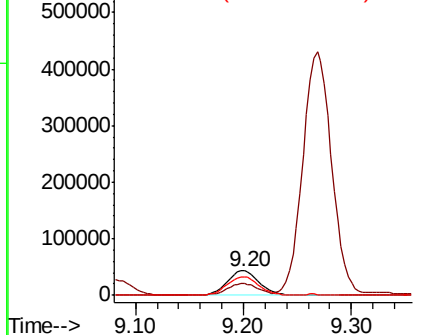


Abundance

Ion 88.00 (87.70 to 88.70): VN052309.D (-2295) (-)

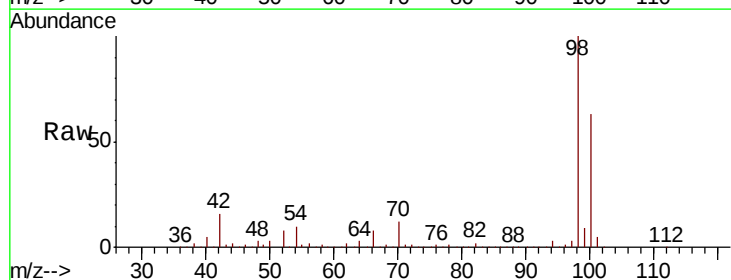
Ion 43.00 (42.70 to 43.70): VN052309.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN052309.D (-2295) (-)



#50
Toluene-d8
Concen: 3338.598 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

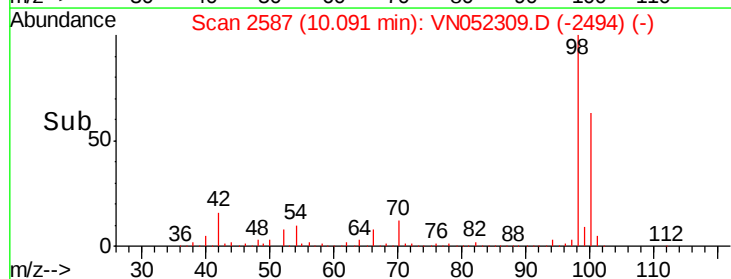
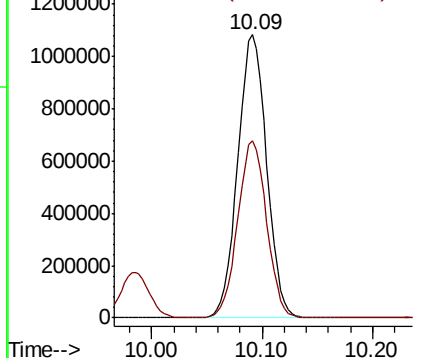
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	49.5	74.3

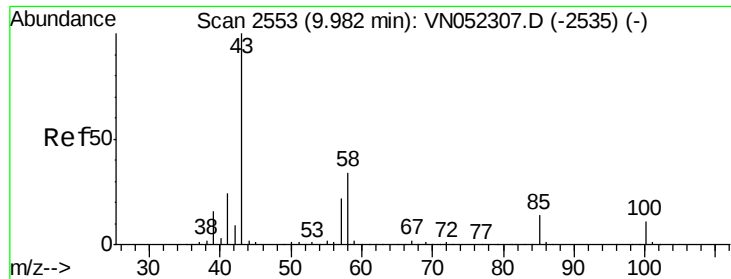


Abundance

Ion 98.00 (97.70 to 98.70): VN052309.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052309.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 791.899 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2785440

Ion Ratio Lower Upper

43 100

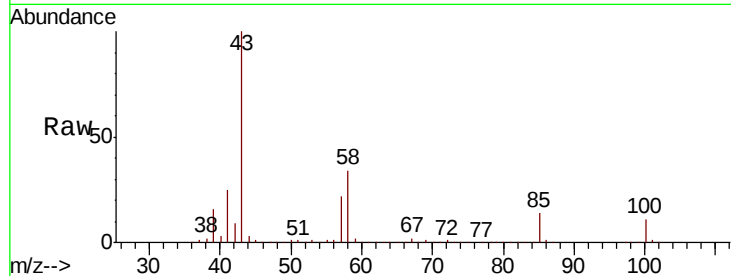
58 33.9 27.0 40.6

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Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

1500000

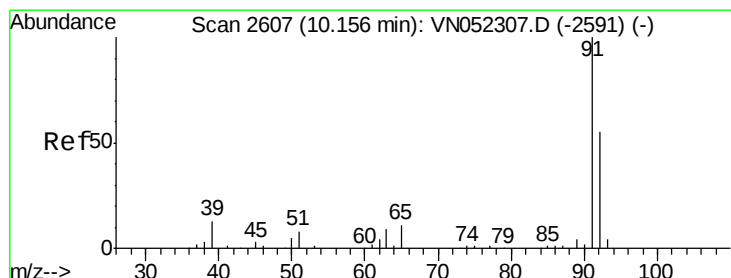
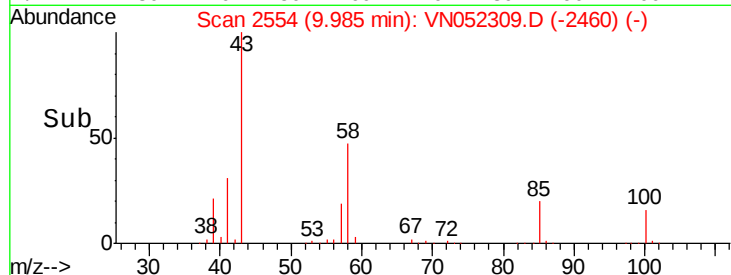
1000000

500000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 153.947 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052309.D

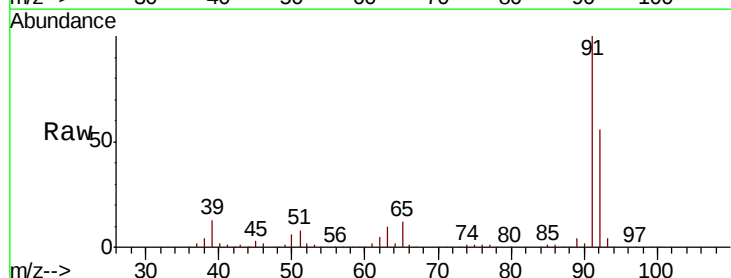
Acq: 14 Nov 2018 12:44

Tgt Ion: 92 Resp: 1312734

Ion Ratio Lower Upper

92 100

91 178.0 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN052309.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN052309.D (-2514) (-)

1500000

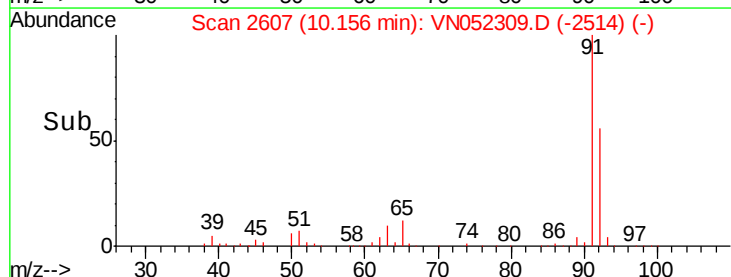
1000000

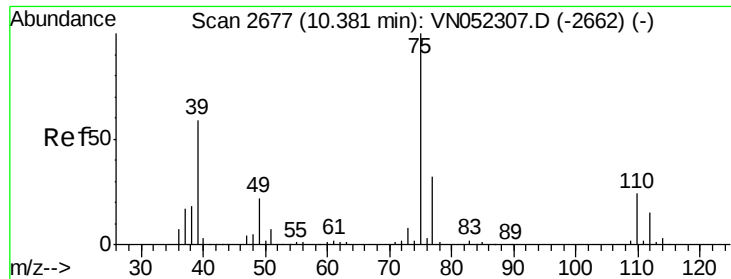
500000

0

10.10 10.16 10.20

Time-->





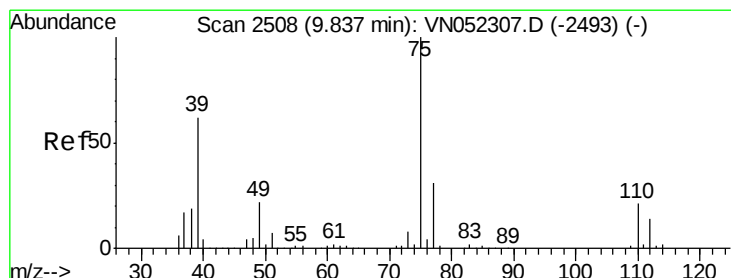
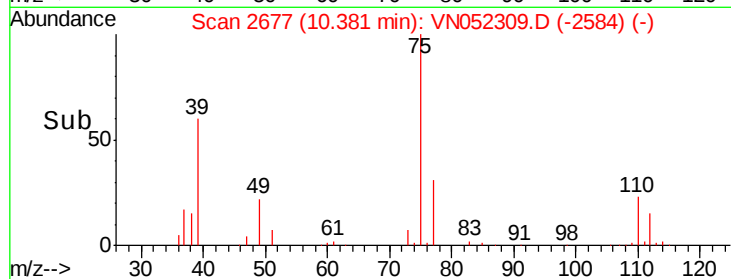
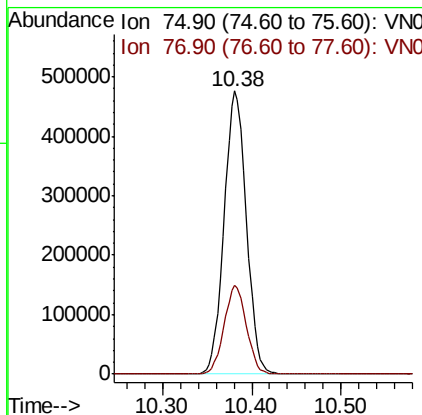
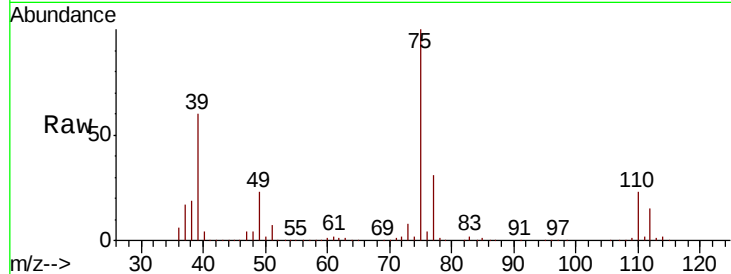
#53
t-1,3-Dichloropropene
Concen: 169.106 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 819617
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5

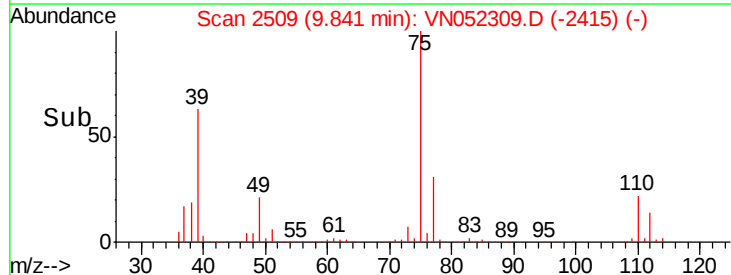
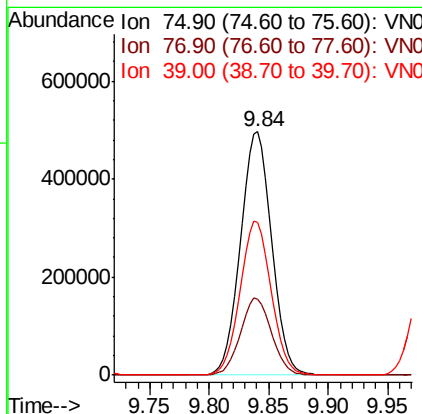
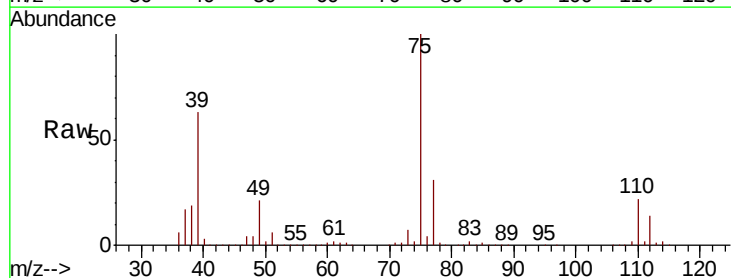
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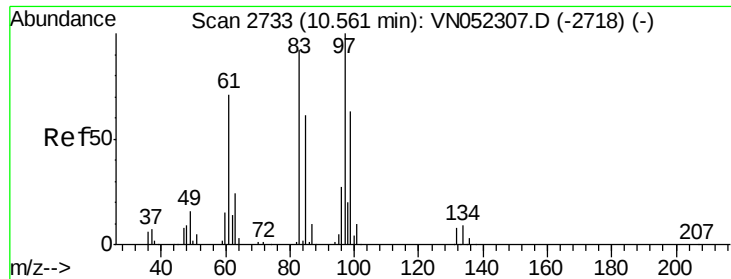
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#54
cis-1,3-Dichloropropene
Concen: 163.374 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion: 75 Resp: 902672
Ion Ratio Lower Upper
75 100
77 31.4 24.6 36.8
39 62.9 49.9 74.9





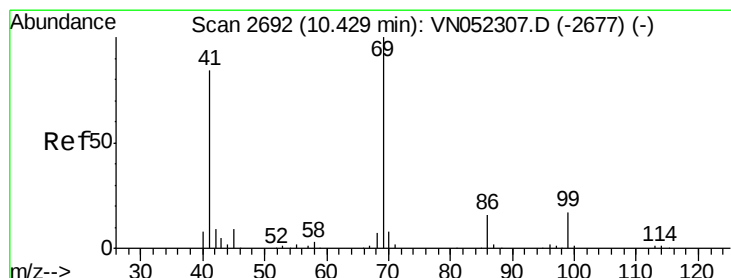
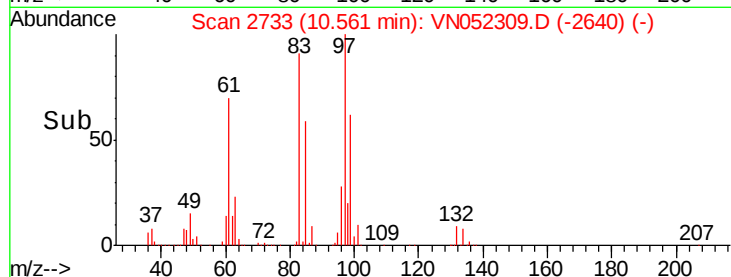
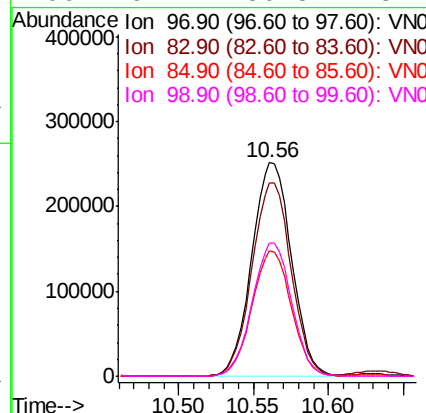
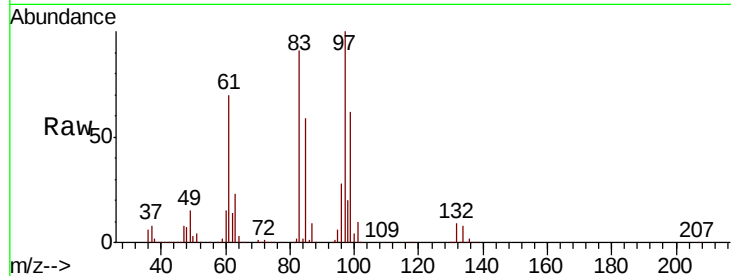
#55
 1,1,2-Trichloroethane
 Concen: 150.481 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		465171		
83	90.7	73.8	110.6		
85	58.7	49.0	73.4		
99	62.1	50.5	75.7		

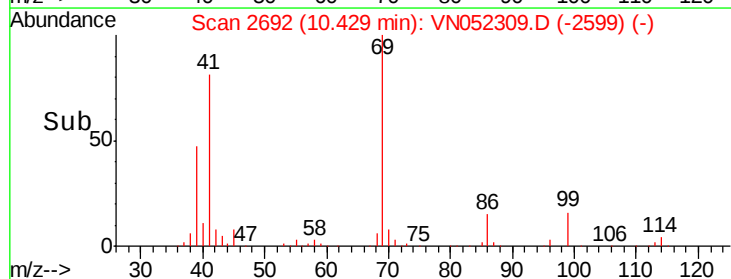
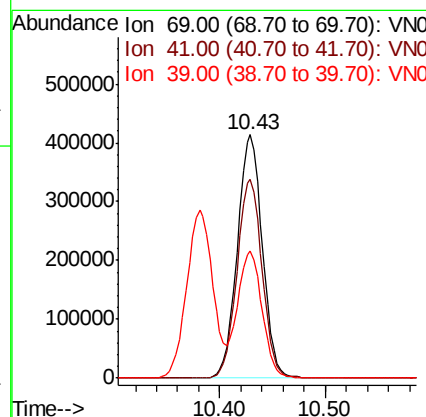
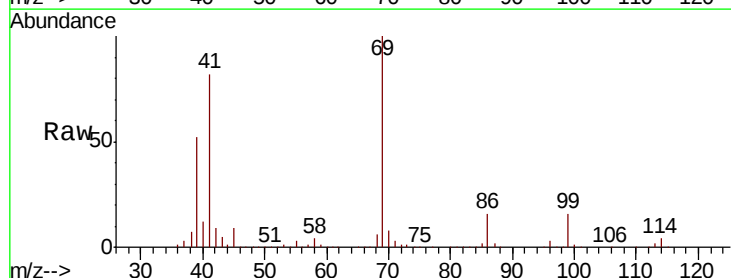
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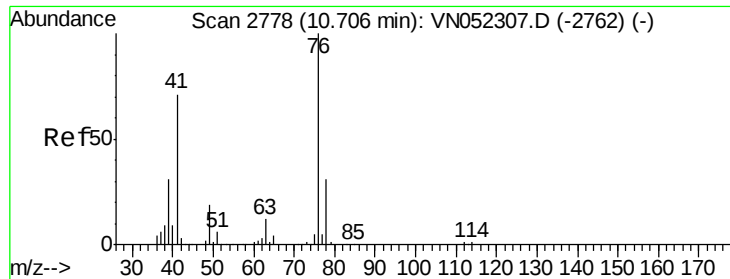
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#56
 Ethyl methacrylate
 Concen: 166.374 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		676372		
41	81.8	64.8	97.2		
39	51.1	41.0	61.6		





#57

1,3-Dichloropropane

Concen: 153.184 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 838741

Ion Ratio Lower Upper

76 100

78 32.3

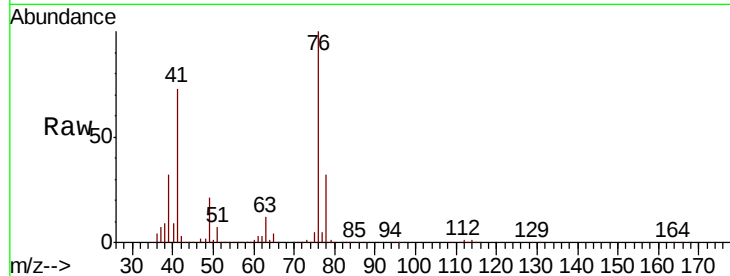
25.7

38.5

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

10.71

500000

400000

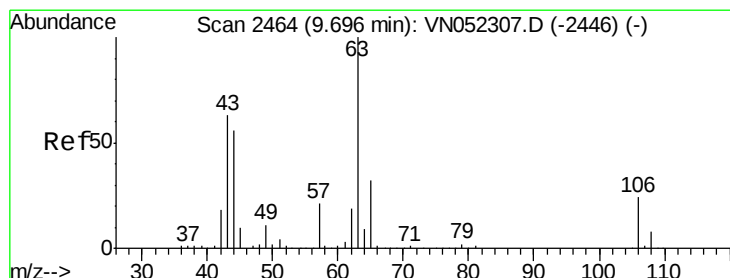
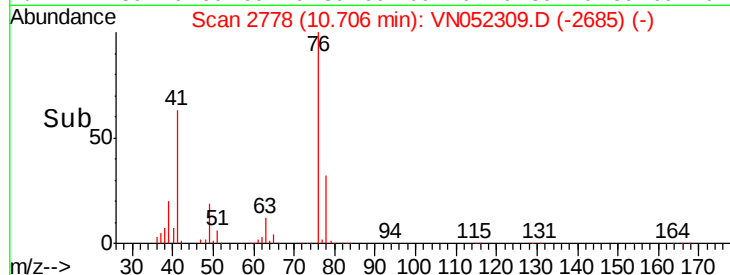
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 811.179 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Tgt Ion: 63 Resp: 1877478

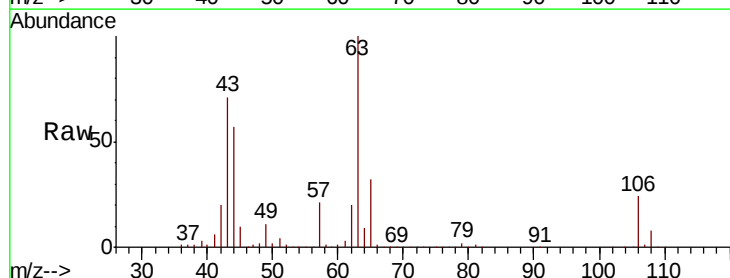
Ion Ratio Lower Upper

63 100

106 23.7

19.3

28.9



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 105.90 (105.60 to 106.60): V

9.70

1200000

1000000

800000

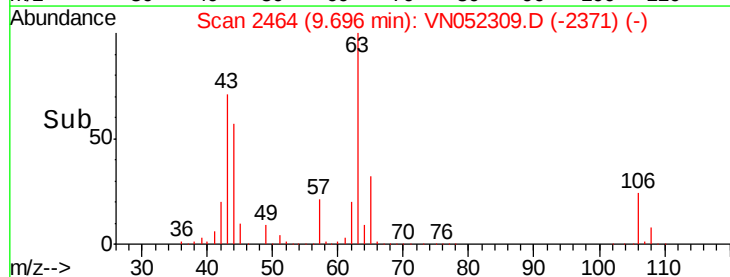
600000

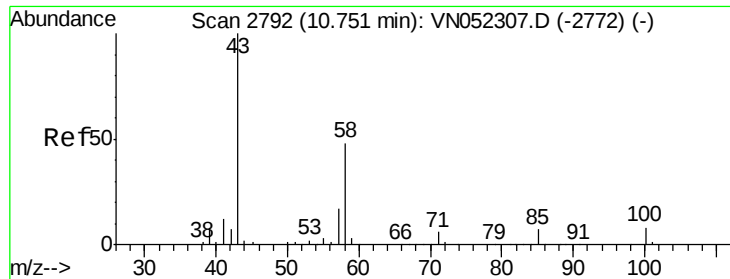
400000

200000

0

Time--> 9.60 9.70 9.80





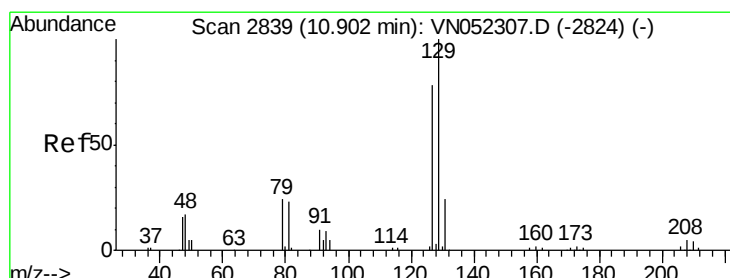
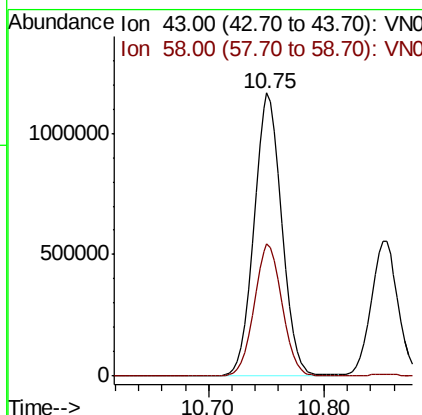
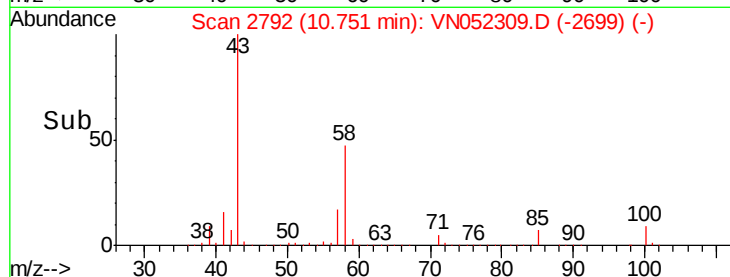
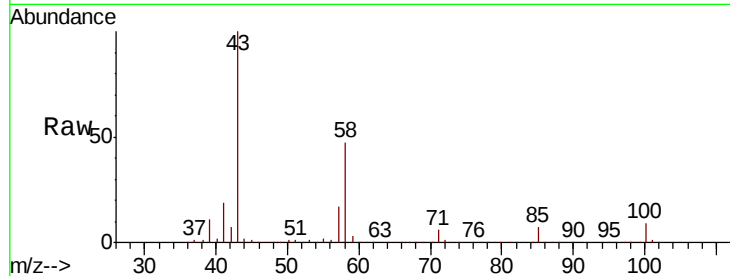
#59
2-Hexanone
Concen: 803.413 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1943768
Ion Ratio Lower Upper
43 100
58 46.9 23.5 70.6

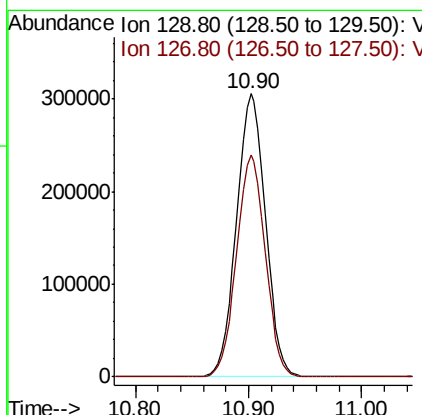
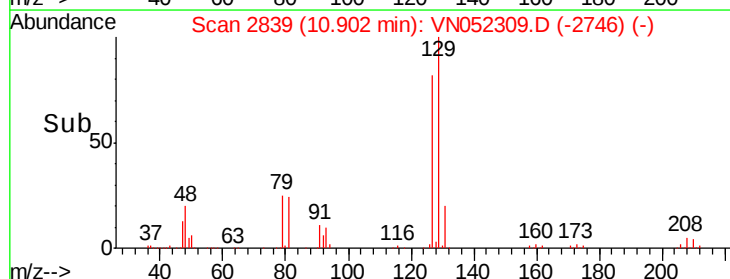
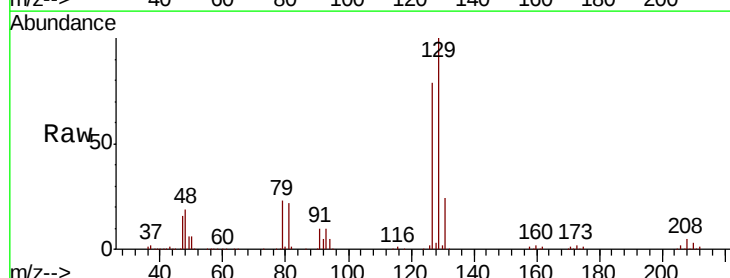
Manual Integrations
APPROVED

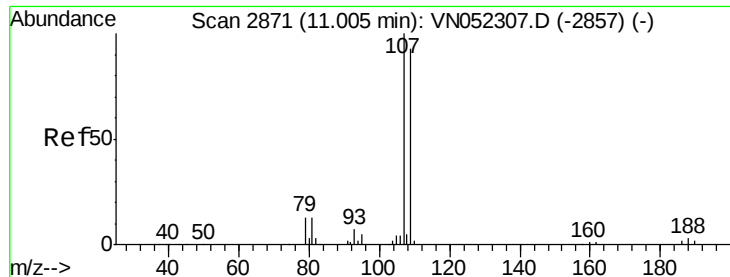
MMDadoda
11/20/2018 2:58:27 PM



#60
Dibromochloromethane
Concen: 163.104 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion:129 Resp: 545504
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





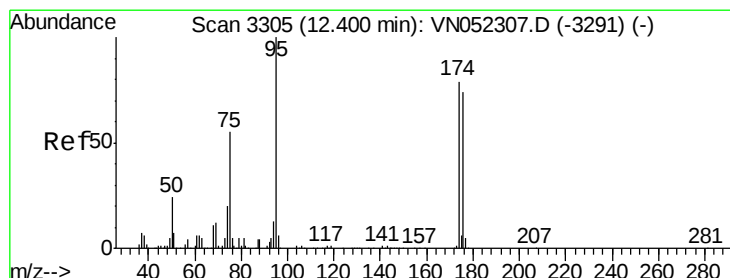
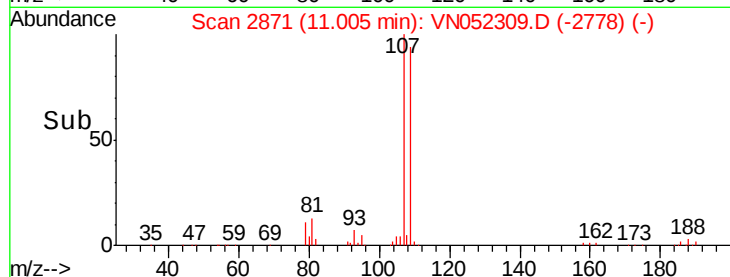
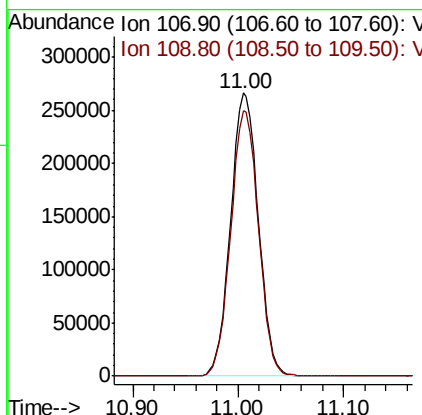
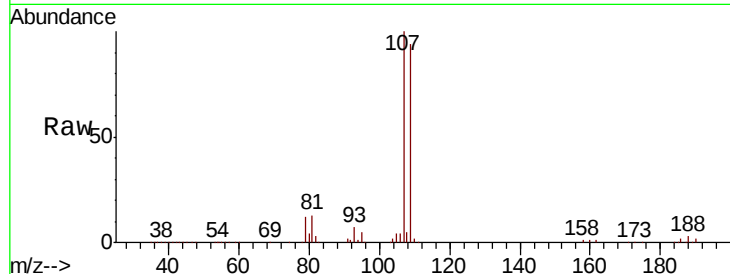
#61
 1,2-Dibromoethane
 Concen: 157.037 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.9	112.3

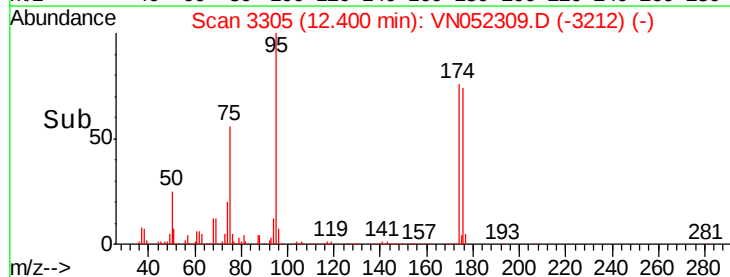
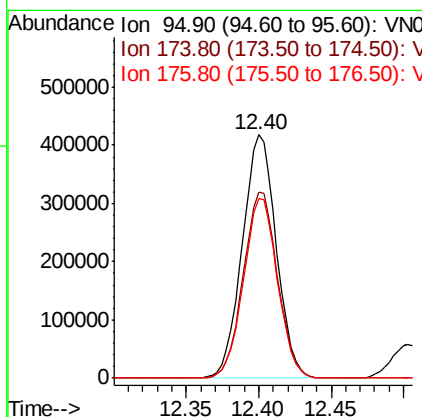
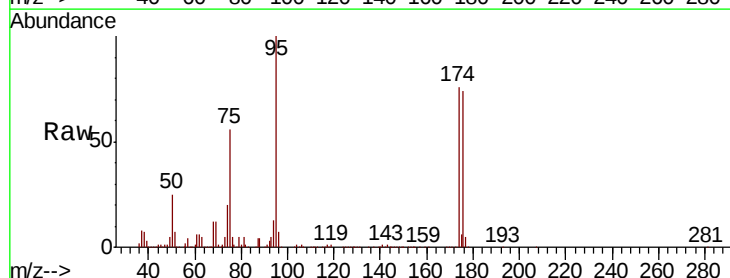
Manual Integrations
 APPROVED

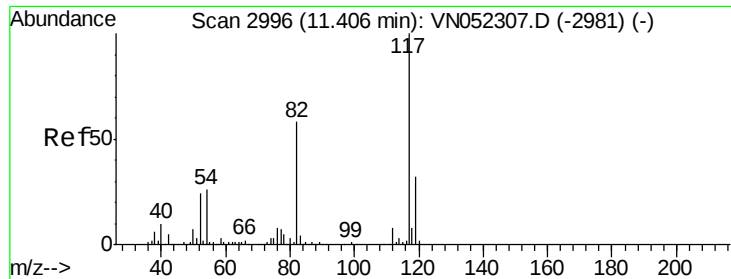
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 157.037 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	156.0
176	74.2	0.0	148.4





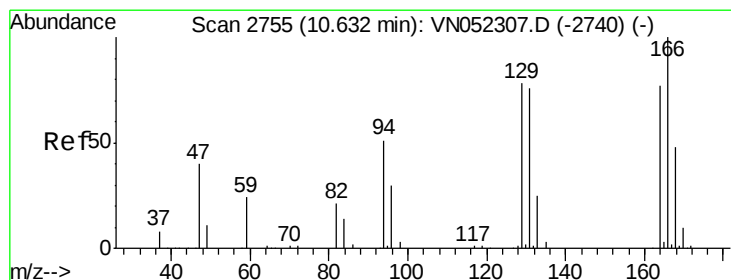
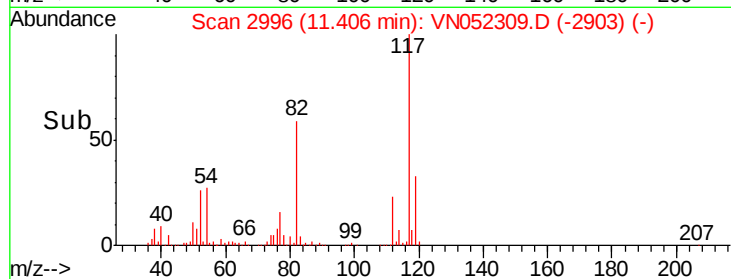
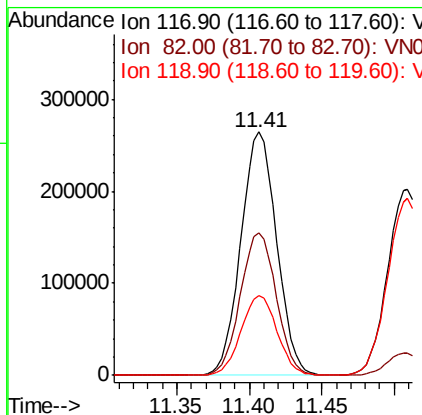
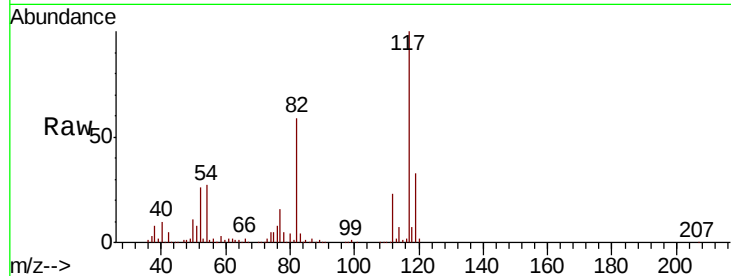
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.5	69.7
119	32.6	25.7	38.5

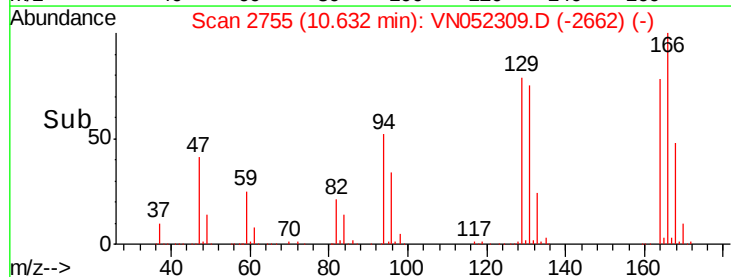
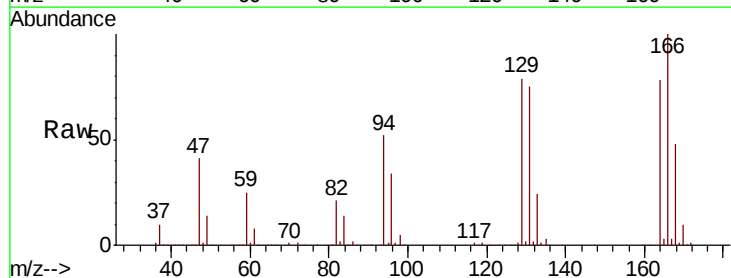
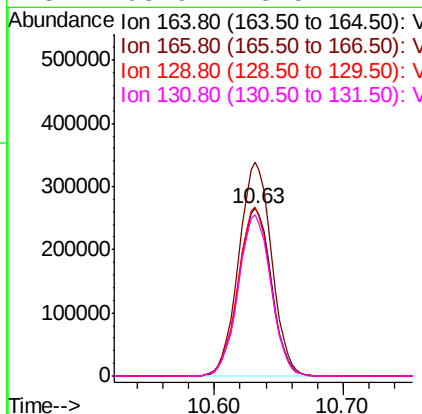
Manual Integrations
APPROVED

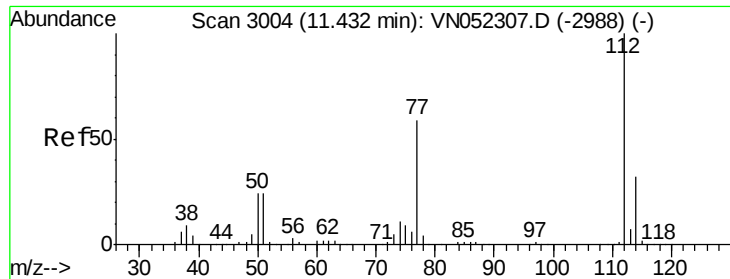
MMDadoda
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#64
Tetrachloroethene
Concen: 145.974 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.8	155.6
129	101.0	80.7	121.1
131	95.9	78.5	117.7





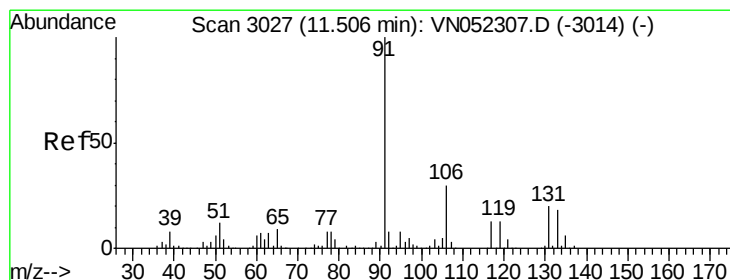
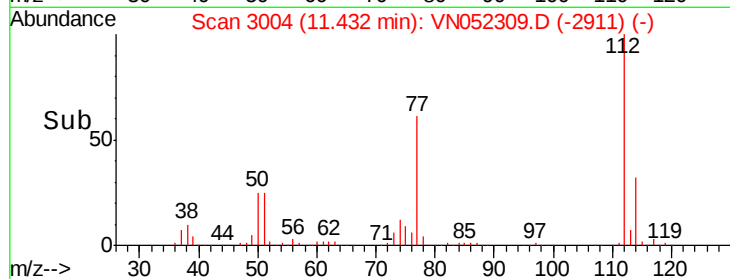
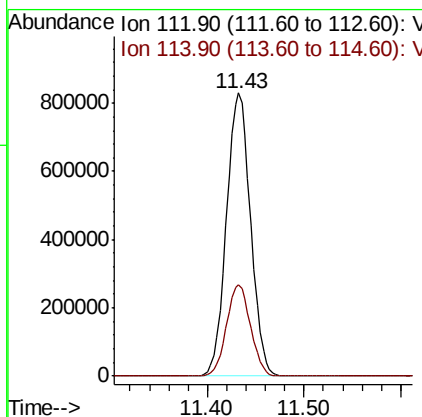
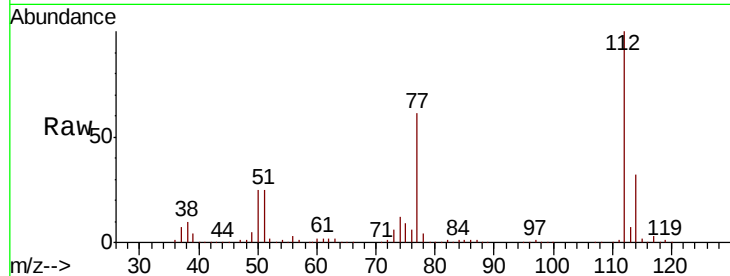
#65
Chlorobenzene
Concen: 149.016 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1432060
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

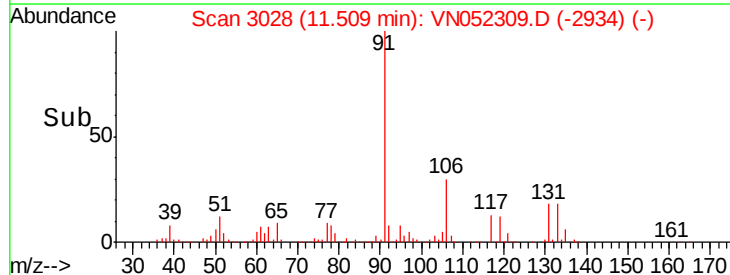
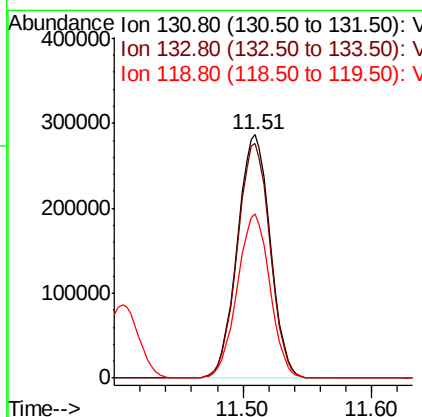
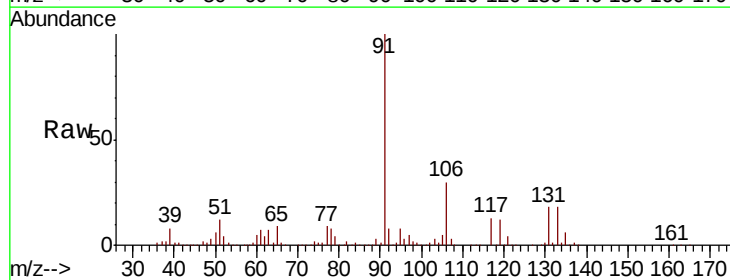
Manual Integrations
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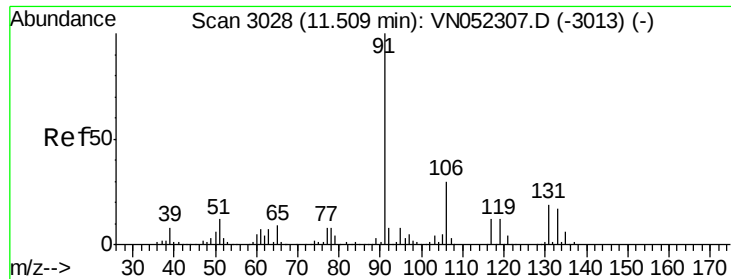
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 155.096 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion:131 Resp: 508263
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 67.0 33.3 99.9





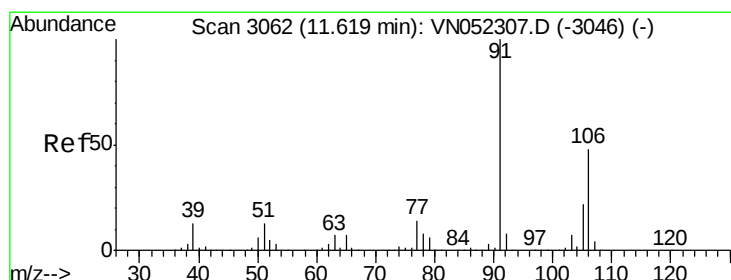
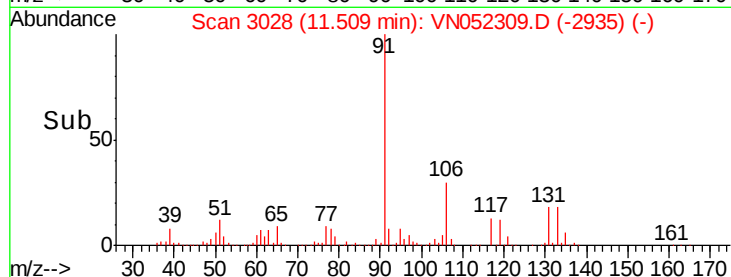
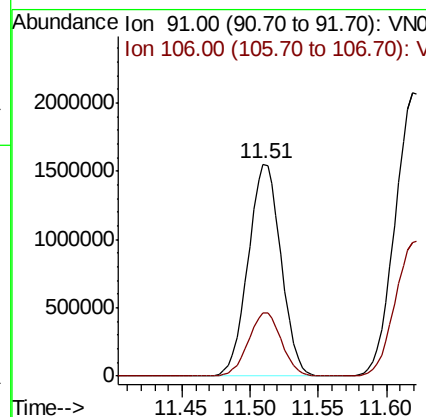
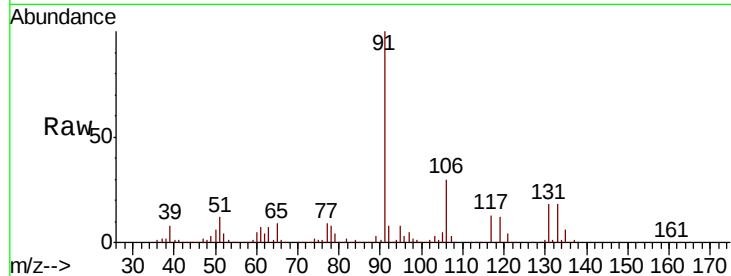
#67
Ethyl Benzene
Concen: 155.401 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2592003
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2

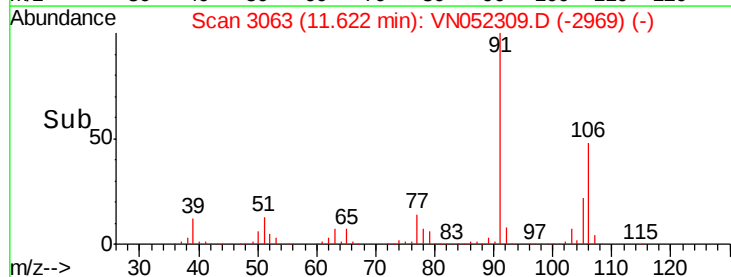
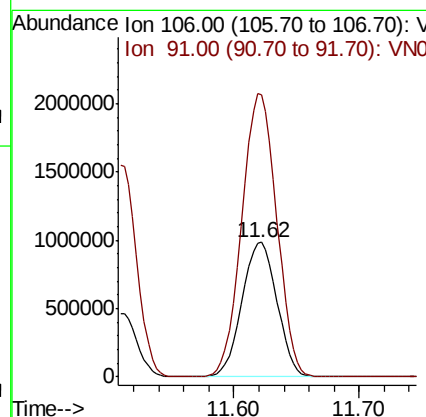
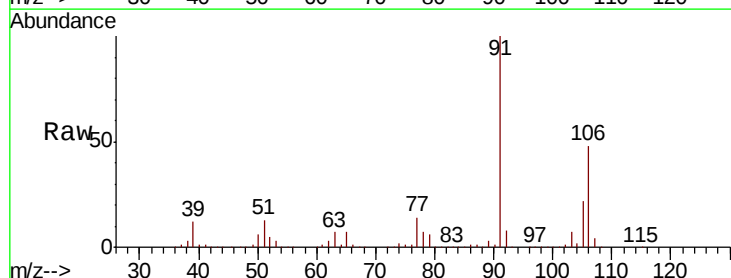
Manual Integrations
APPROVED

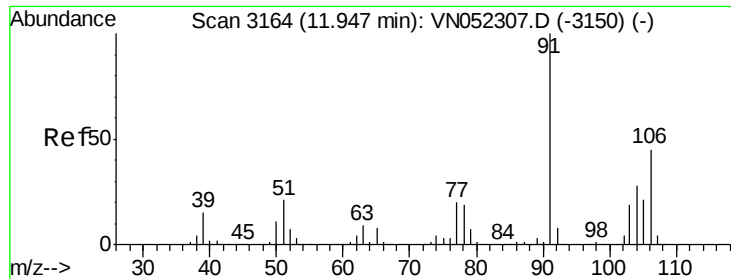
MMDadoda
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#68
m/p-Xylenes
Concen: 313.427 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion: 106 Resp: 1910111
Ion Ratio Lower Upper
106 100
91 209.9 165.5 248.3





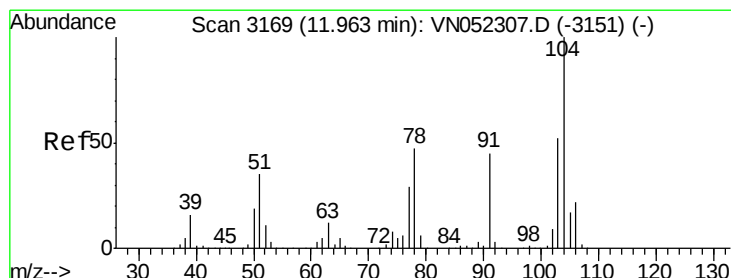
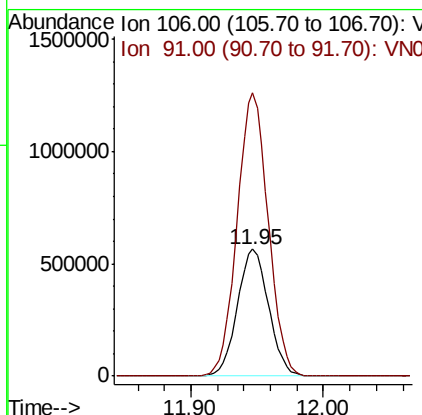
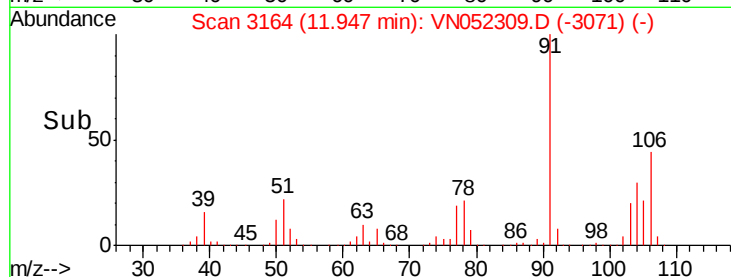
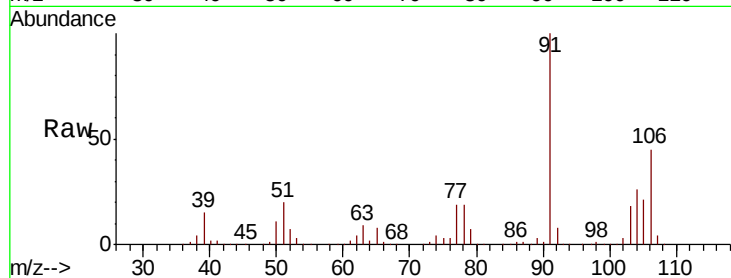
#69
o-Xylene
Concen: 157.748 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 921539
Ion Ratio Lower Upper
106 100
91 222.2 110.0 330.0

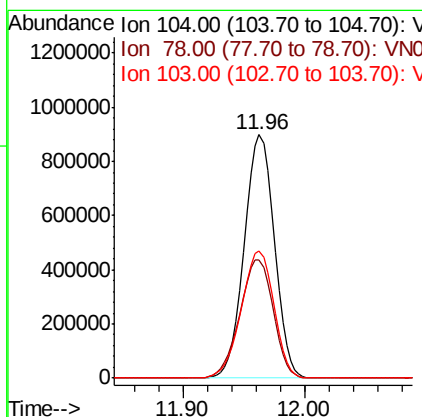
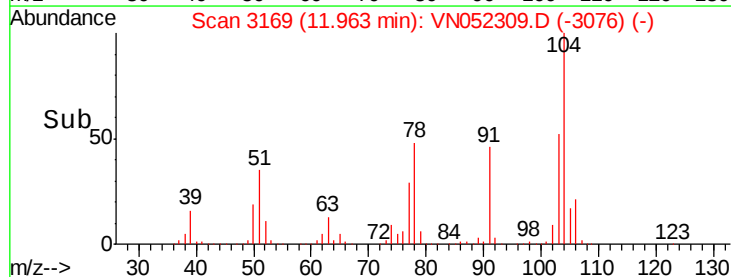
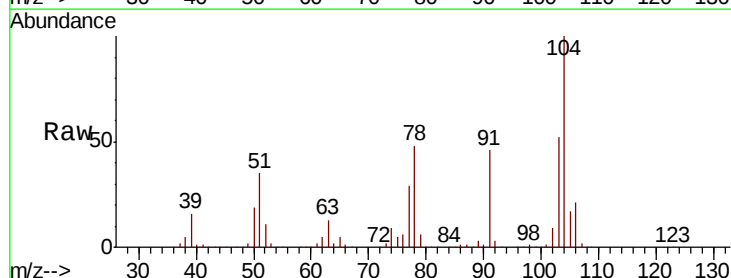
Manual Integrations
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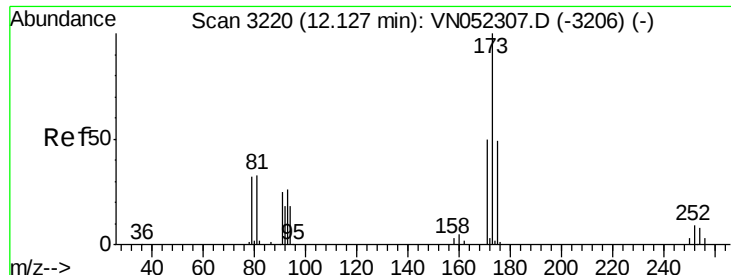
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#70
Styrene
Concen: 163.007 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion:104 Resp: 1524762
Ion Ratio Lower Upper
104 100
78 54.3 42.7 64.1
103 56.8 45.4 68.0





#71

Bromoform

Concen: 173.794 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 336273

Ion Ratio Lower Upper

173 100

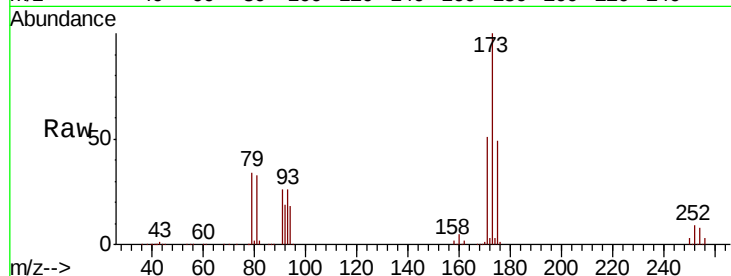
175 47.7 25.0 75.0

254 0.1 0.0 0.0#

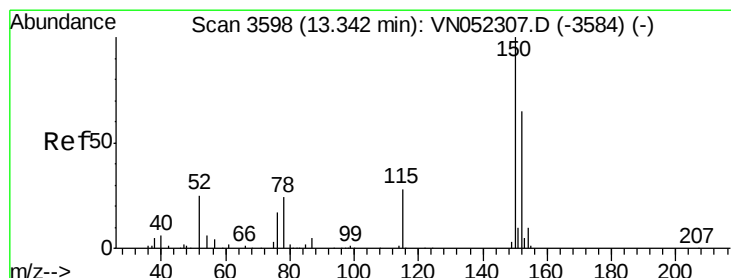
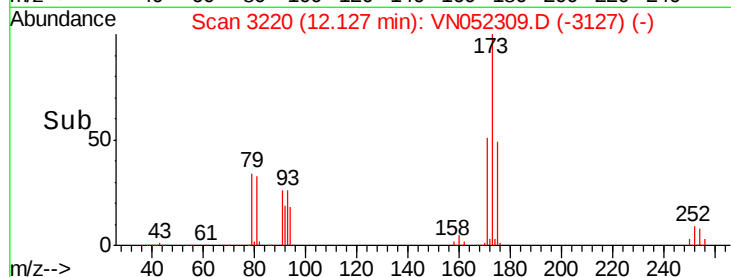
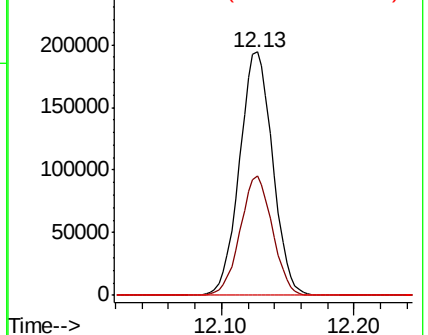
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

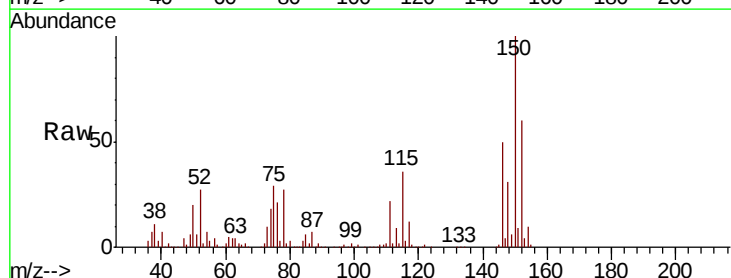
Tgt Ion:152 Resp: 213244

Ion Ratio Lower Upper

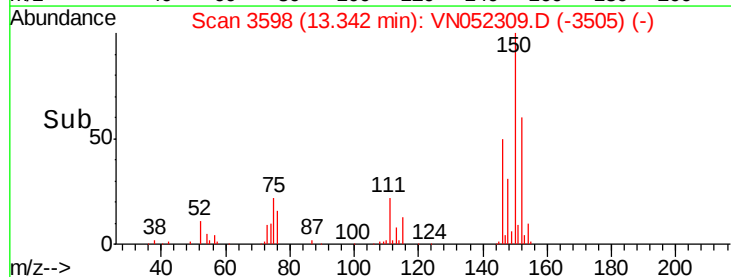
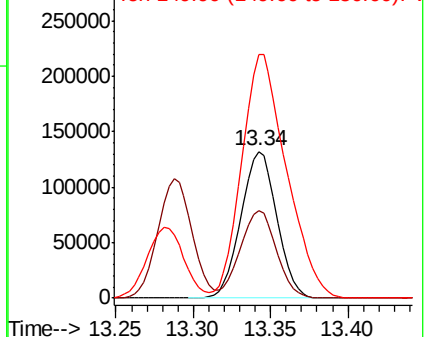
152 100

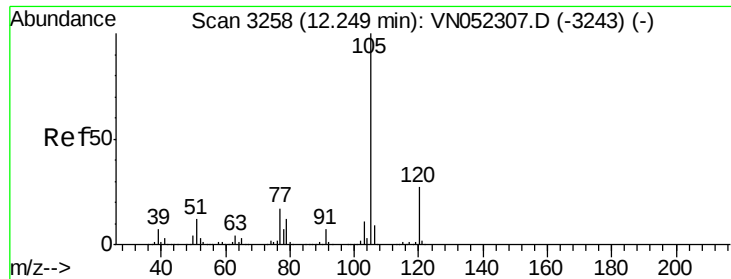
115 59.9 30.3 91.0

150 206.8 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 148.057 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2538410

Ion Ratio Lower Upper

105 100

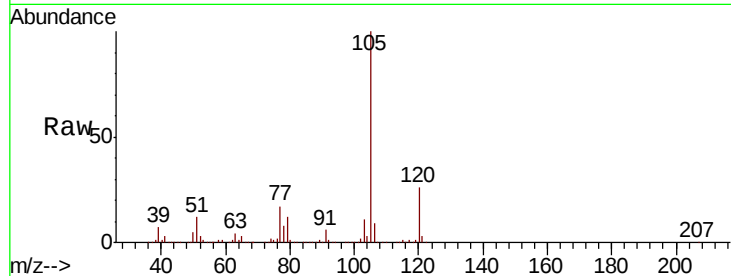
120 26.0 13.4 40.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

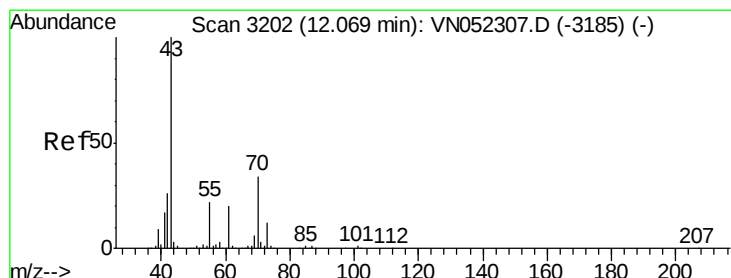
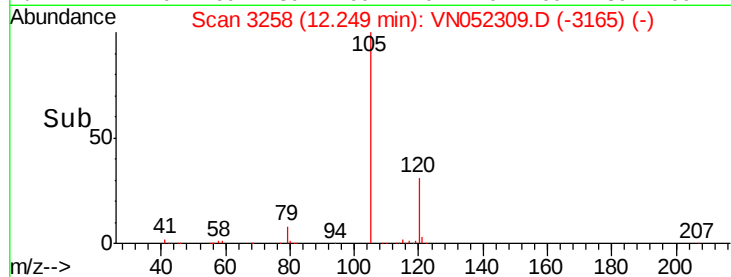
1000000

500000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 160.170 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Tgt Ion: 43 Resp: 978093

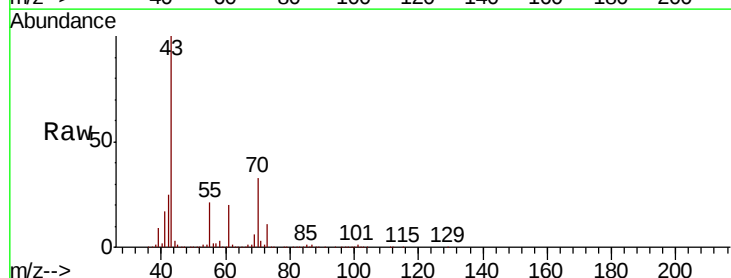
Ion Ratio Lower Upper

43 100

70 34.1 27.1 40.7

55 21.2 17.4 26.0

61 20.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

1000000

800000

600000

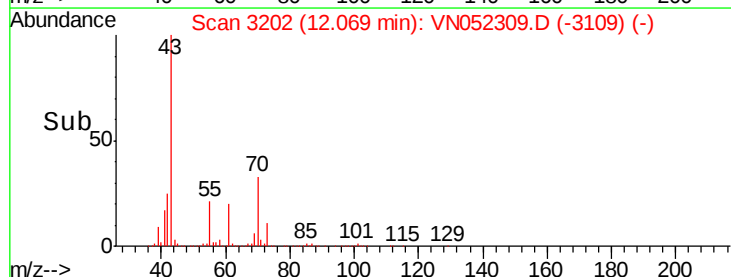
400000

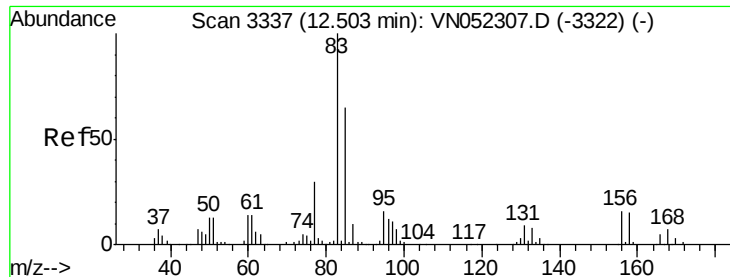
200000

0

12.00 12.07 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 139.700 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

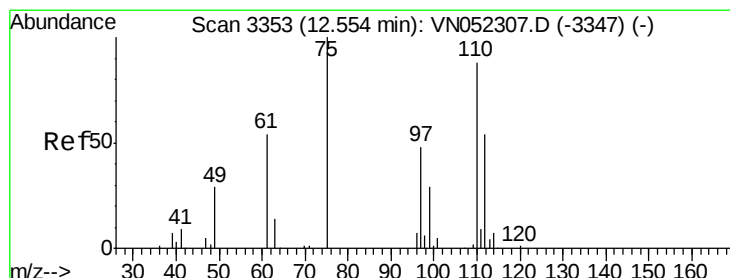
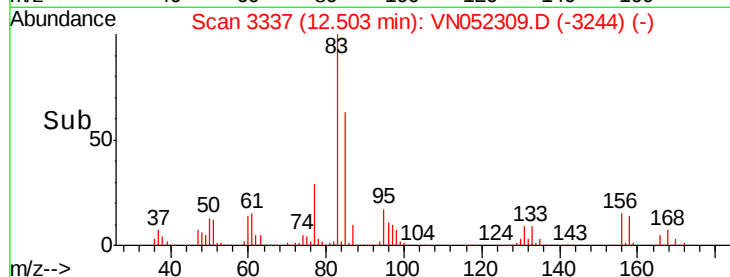
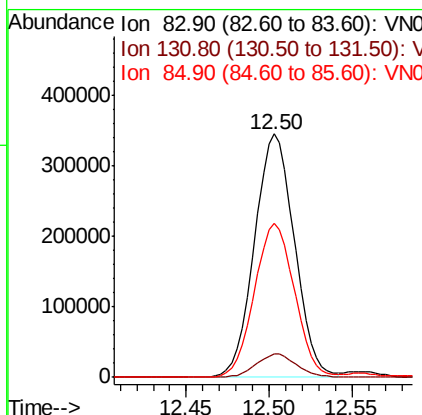
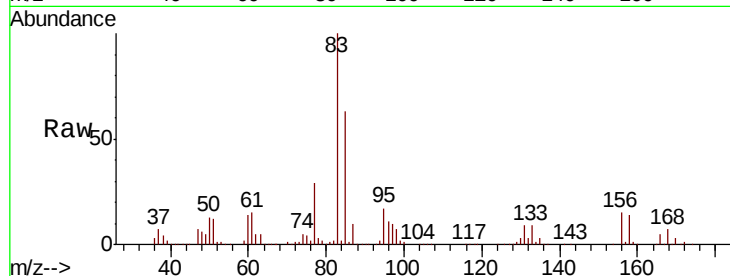
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	578988
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.7	14.1
85	63.4	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 146.554 ug/l m

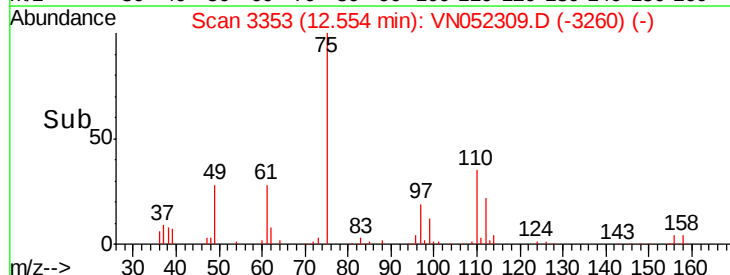
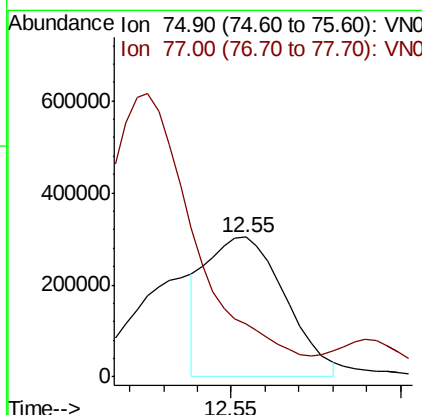
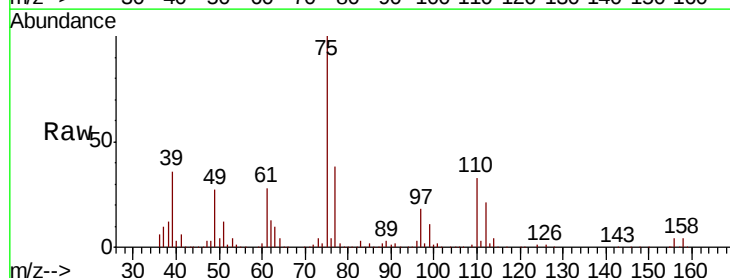
RT: 12.55 min Scan# 3353

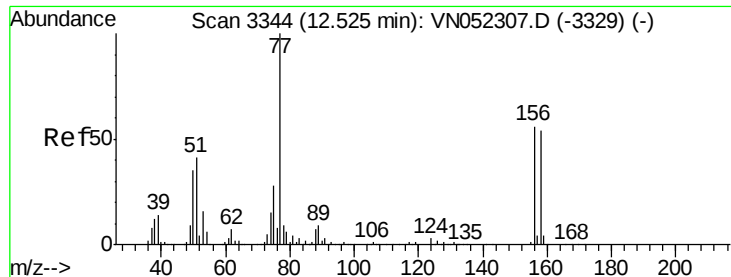
Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Tgt Ion:	75	Resp:	491349
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 143.322 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

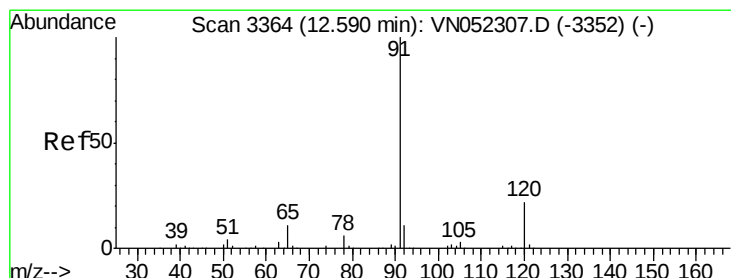
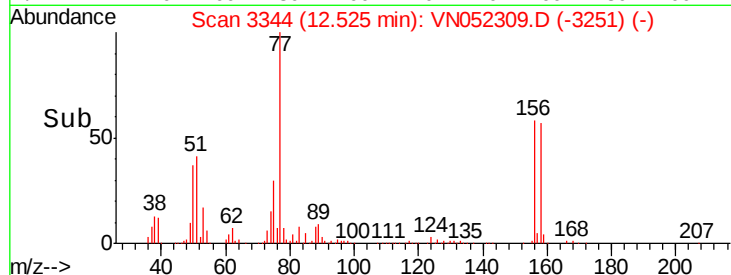
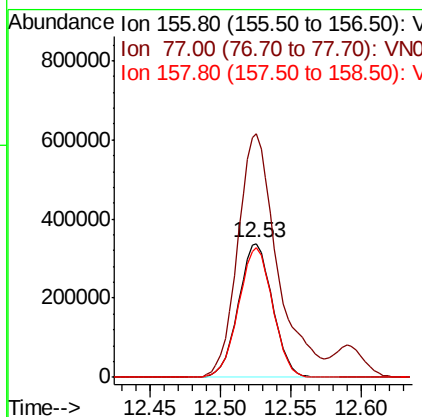
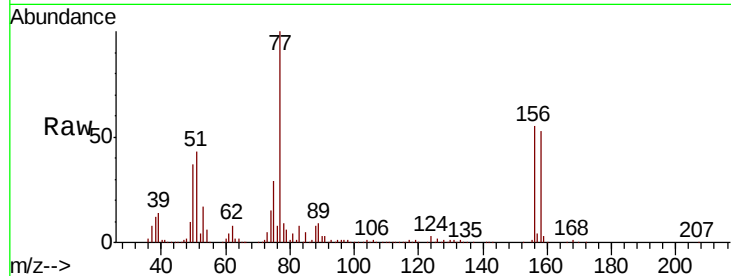
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	571735
Ion Ratio	Lower	Upper	
156	100		
77	211.6	103.6	310.9
158	97.3	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 150.737 ug/l

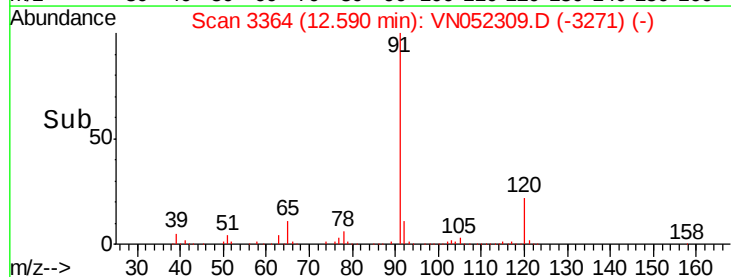
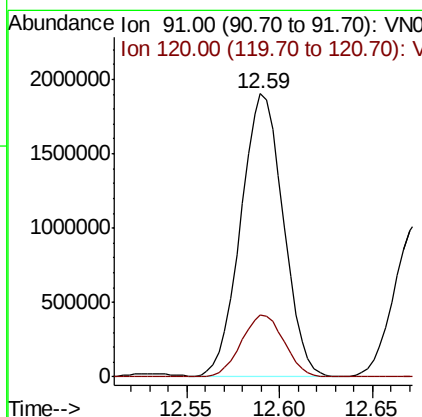
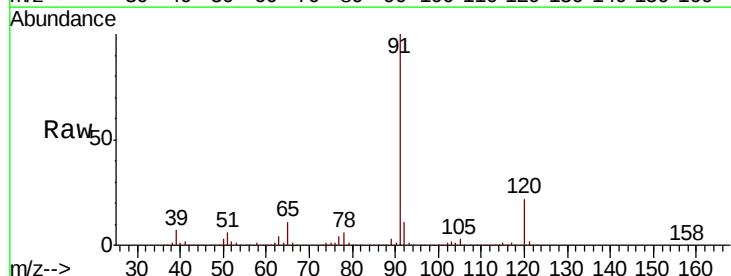
RT: 12.59 min Scan# 3364

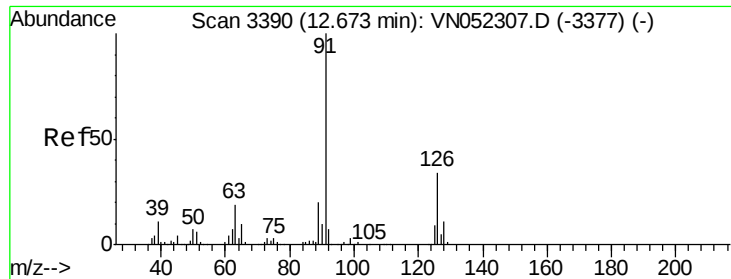
Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Tgt Ion:	91	Resp:	3022429
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.1





#79

2-Chlorotoluene

Concen: 146.351 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1714283

Ion Ratio Lower Upper

91 100

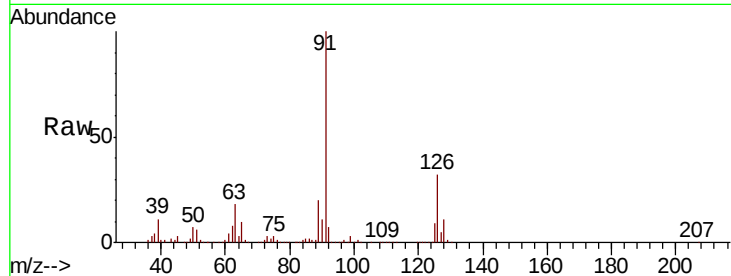
126 32.8 17.0 51.0

Manual Integrations

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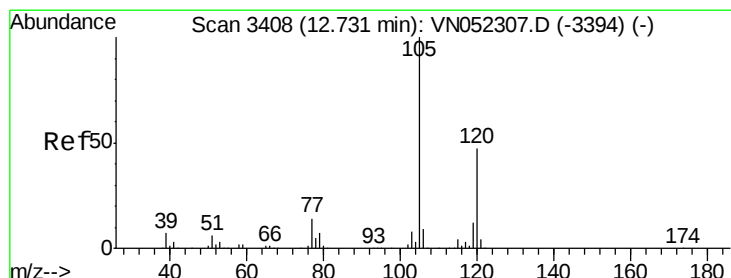
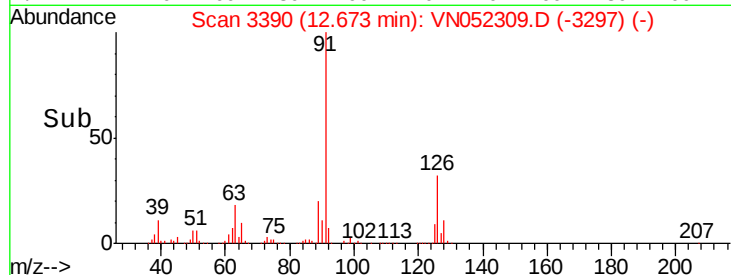
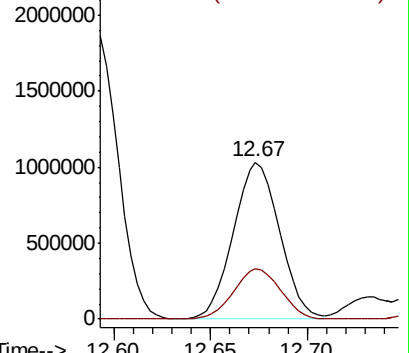
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Abundance Ion 91.00 (90.70 to 91.70): VN052309.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN052309.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 151.348 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052309.D

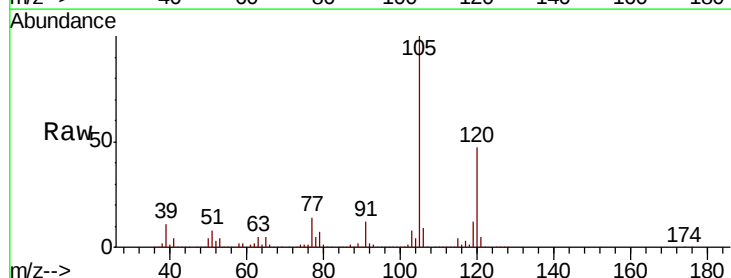
Acq: 14 Nov 2018 12:44

Tgt Ion:105 Resp: 2063506

Ion Ratio Lower Upper

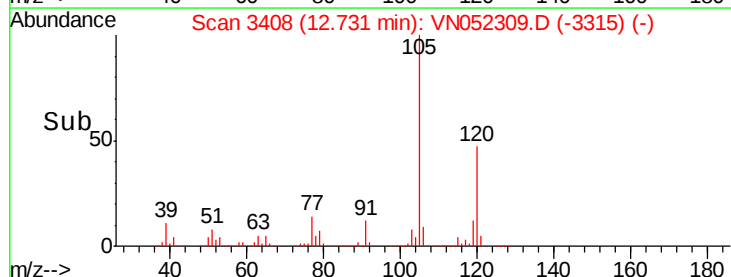
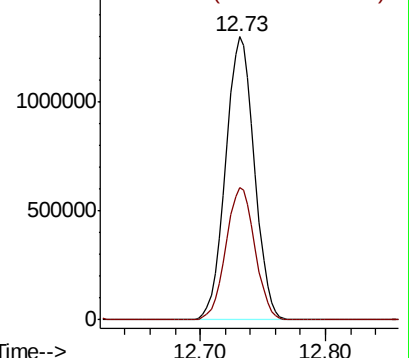
105 100

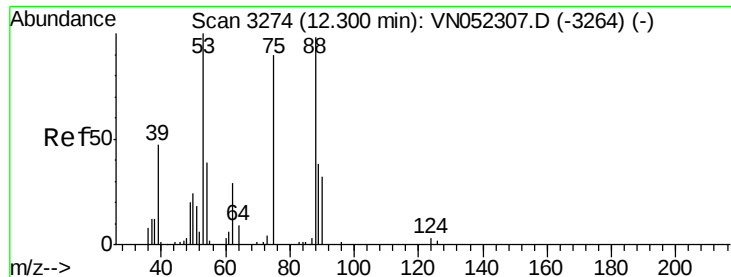
120 47.2 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052309.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN052309.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 170.991 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 190759

Ion Ratio Lower Upper

75 100

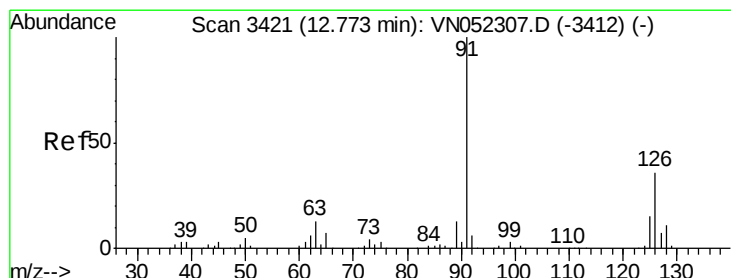
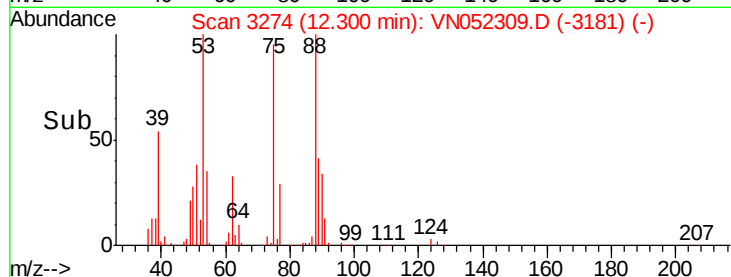
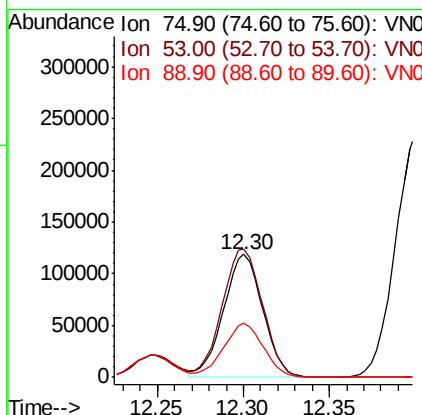
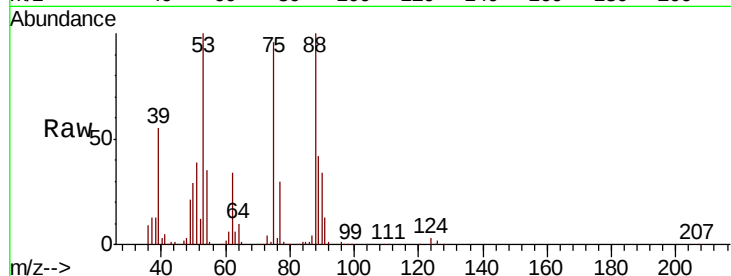
53 107.4 90.2 135.2

89 44.1 35.4 53.0

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#82

4-Chlorotoluene

Concen: 147.774 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052309.D

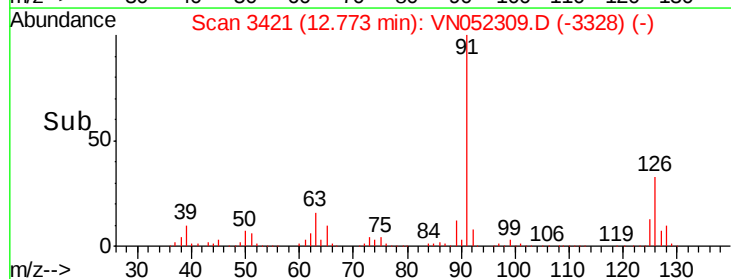
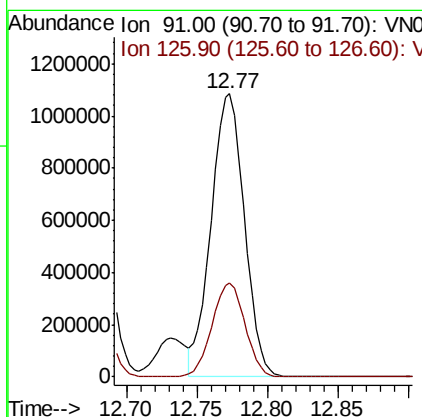
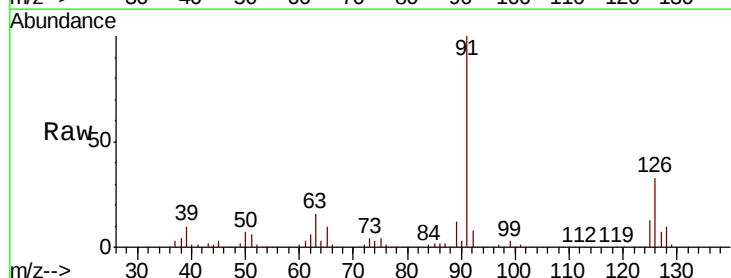
Acq: 14 Nov 2018 12:44

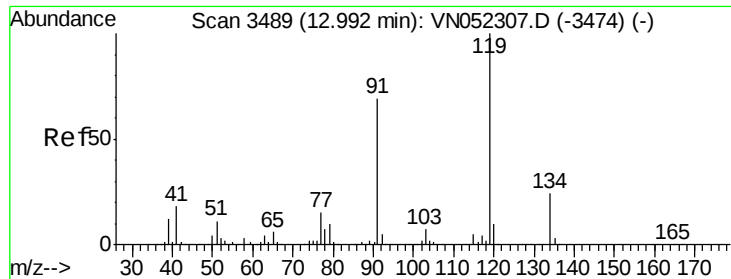
Tgt Ion: 91 Resp: 1773409

Ion Ratio Lower Upper

91 100

126 32.8 17.0 50.9





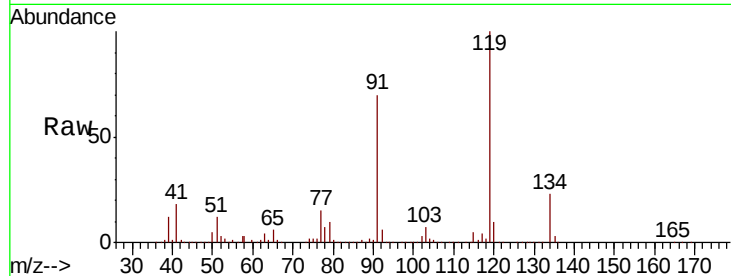
#83
tert-Butylbenzene
Concen: 145.641 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

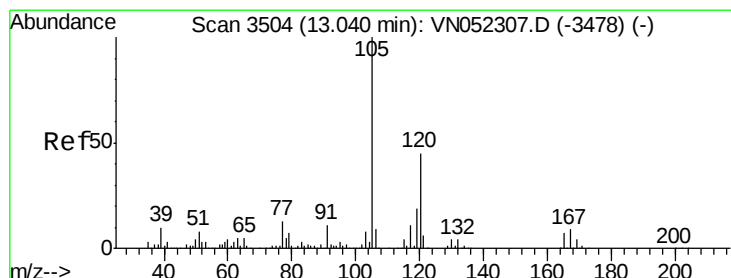
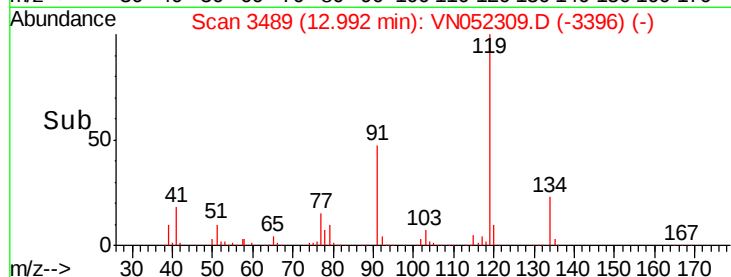
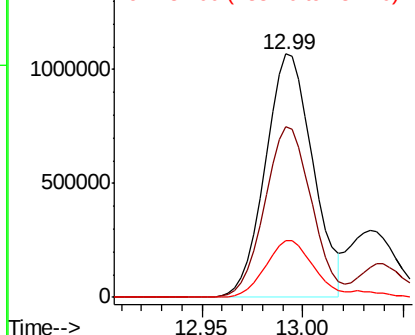
Tot Ion:119 Resp: 1753075
Ion Ratio Lower Upper
119 100
91 69.3 33.8 101.3
134 25.3 11.9 35.9

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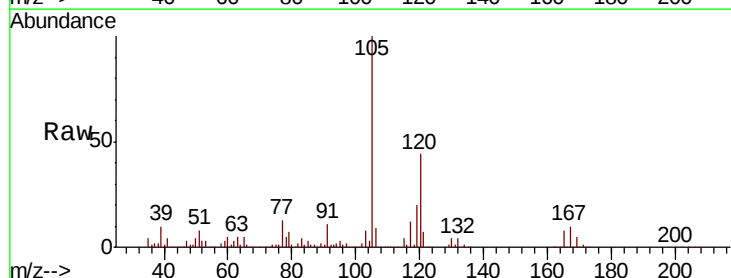


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

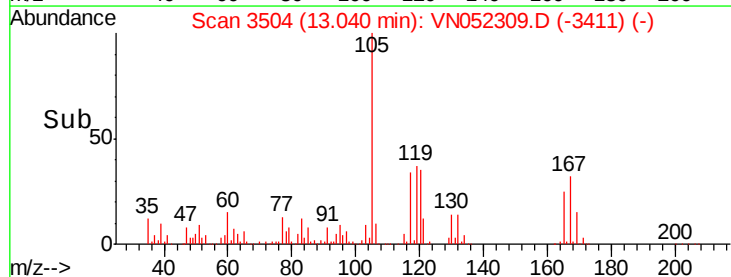
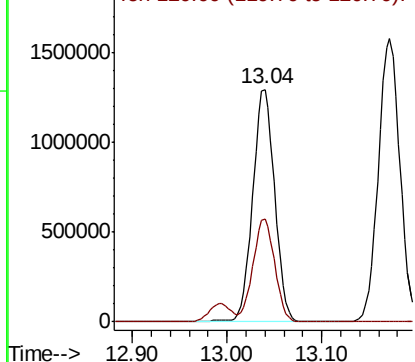


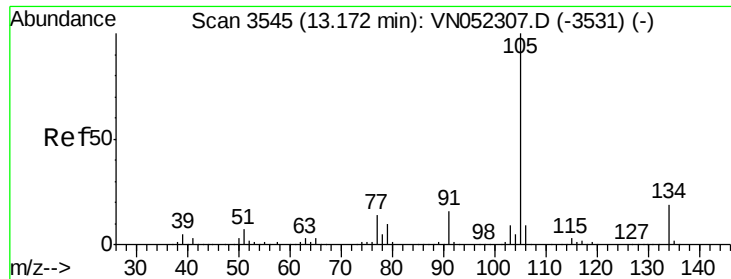
#84
1,2,4-Trimethylbenzene
Concen: 152.887 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion:105 Resp: 2092578
Ion Ratio Lower Upper
105 100
120 44.0 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





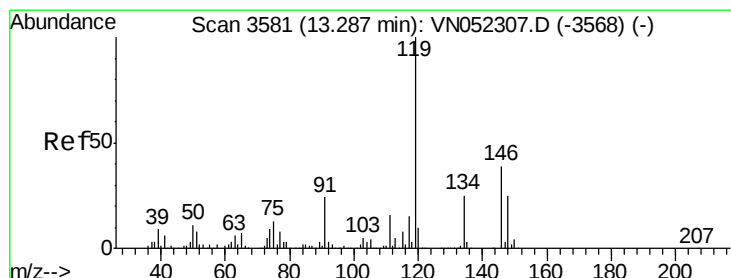
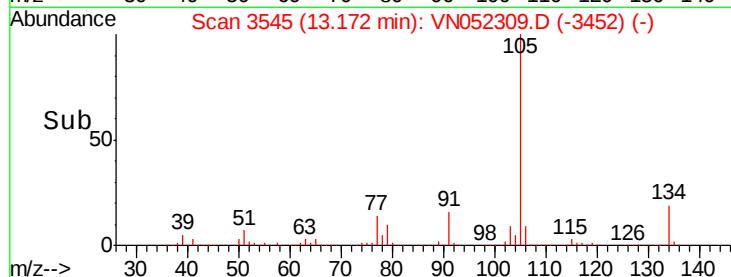
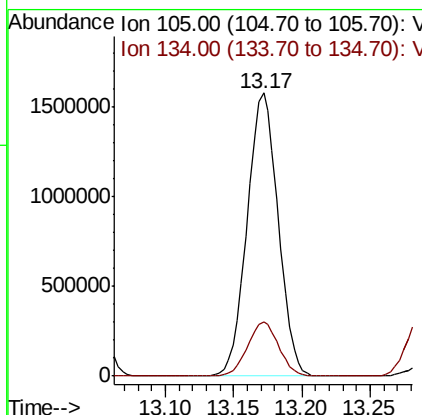
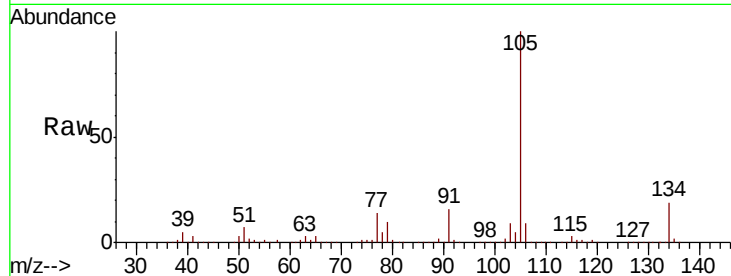
#85
 sec-Butylbenzene
 Concen: 151.694 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2487296
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.5 28.5

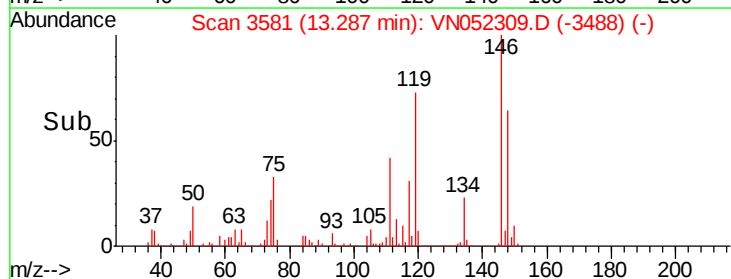
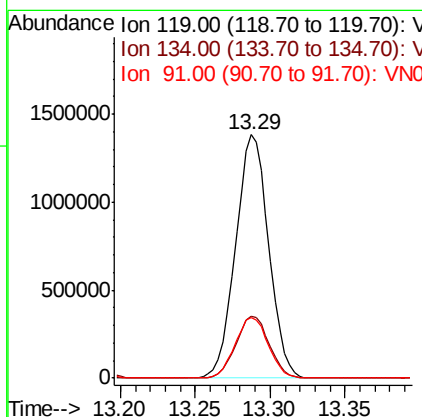
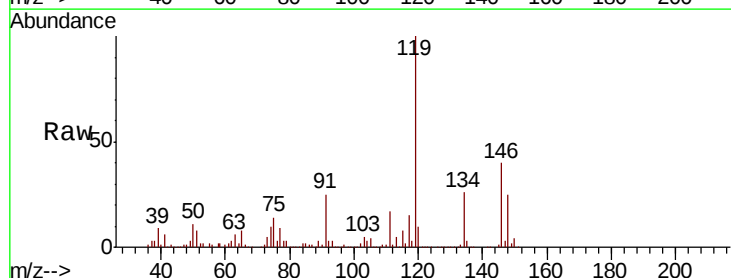
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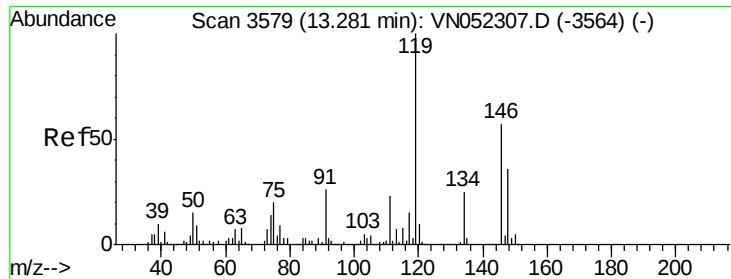
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#86
 p-Isopropyltoluene
 Concen: 152.475 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion:119 Resp: 2117805
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 25.0 12.4 37.0





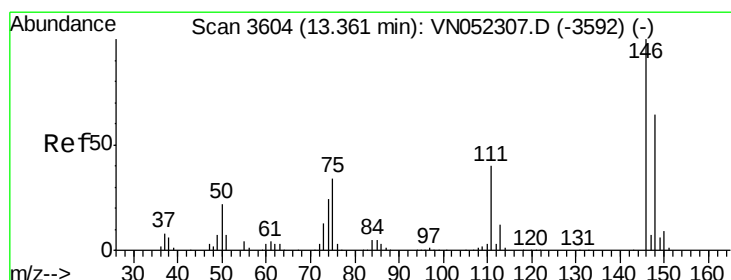
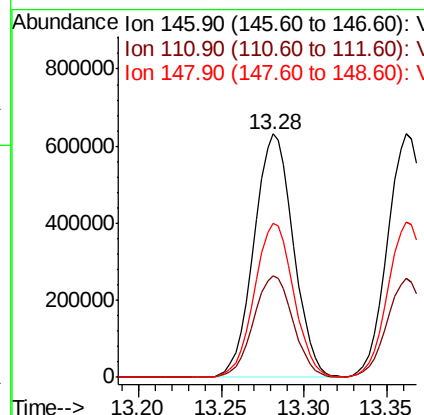
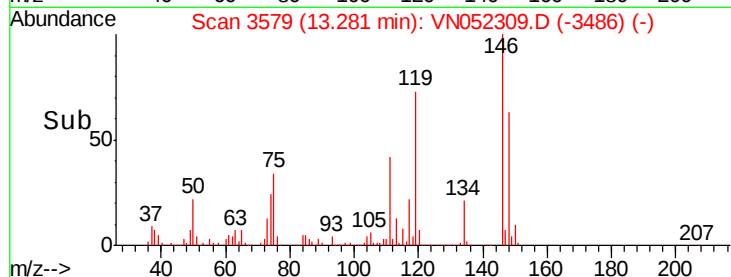
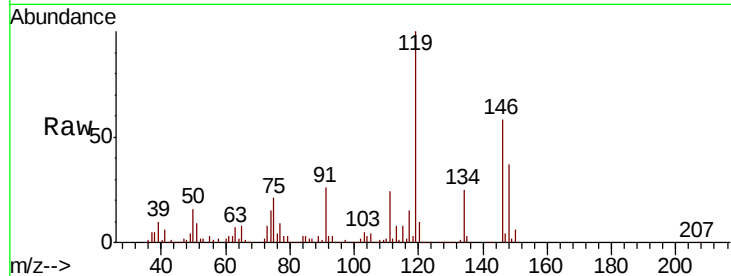
#87
 1,3-Dichlorobenzene
 Concen: 147.773 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1046943
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 61.0
 148 63.1 31.8 95.4

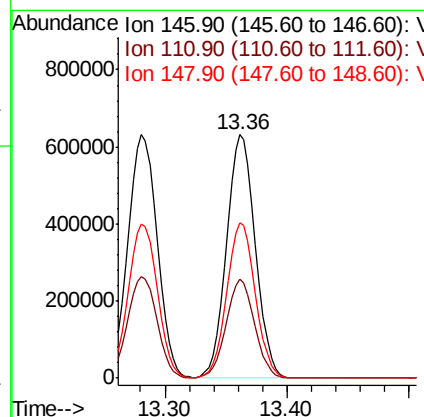
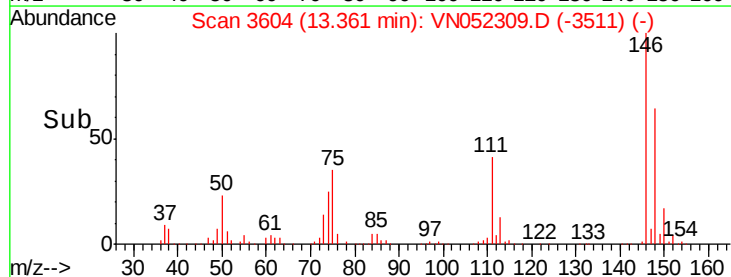
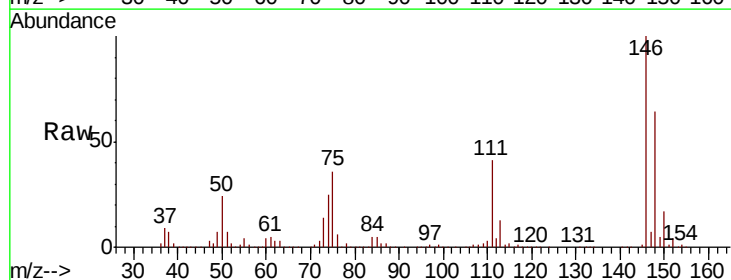
Manual Integrations
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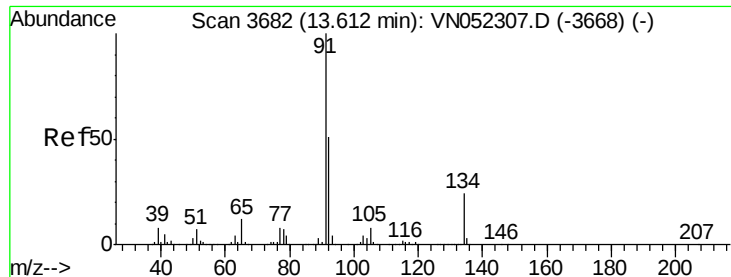
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#88
 1,4-Dichlorobenzene
 Concen: 148.123 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion:146 Resp: 1043325
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.6 61.8
 148 63.4 32.4 97.2





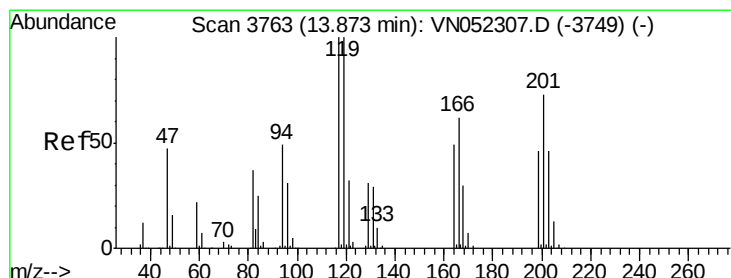
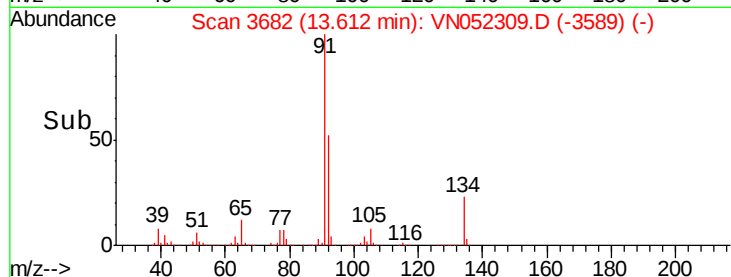
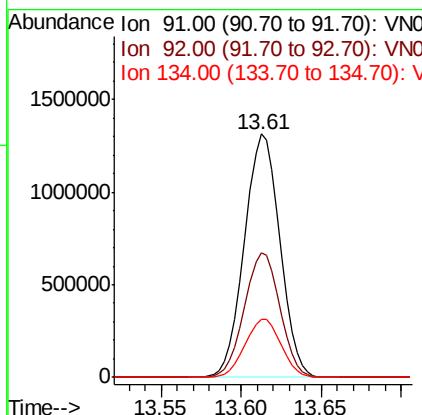
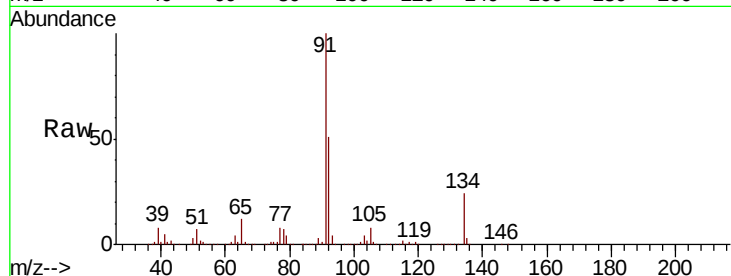
#89
n-Butylbenzene
Concen: 166.542 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.4	76.2
134	24.2	12.2	36.4

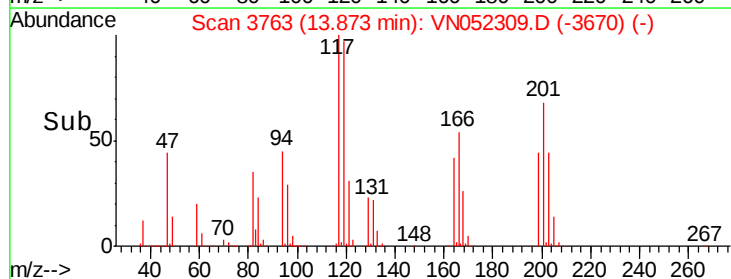
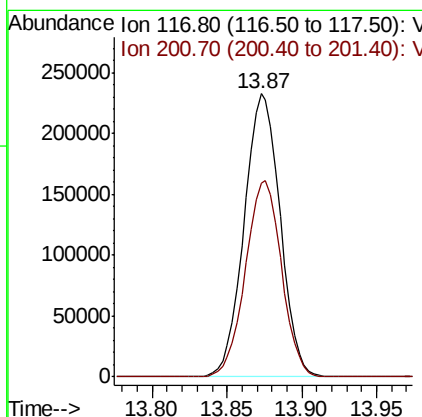
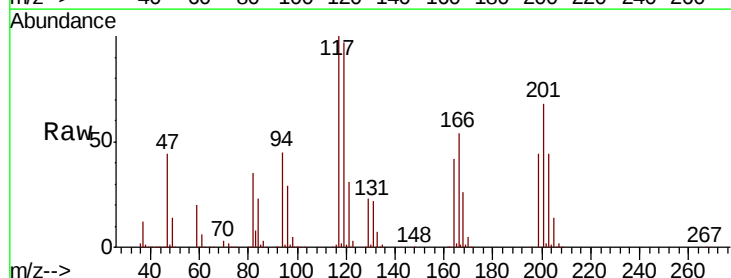
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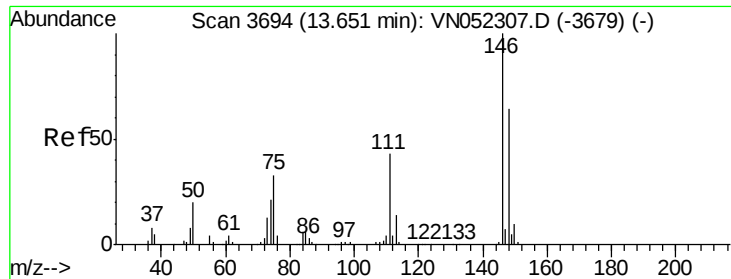
MMDadoda
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#90
Hexachloroethane
Concen: 158.265 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052309.D
Acq: 14 Nov 2018 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	35.3	105.9





#91

1,2-Dichlorobenzene

Concen: 144.339 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

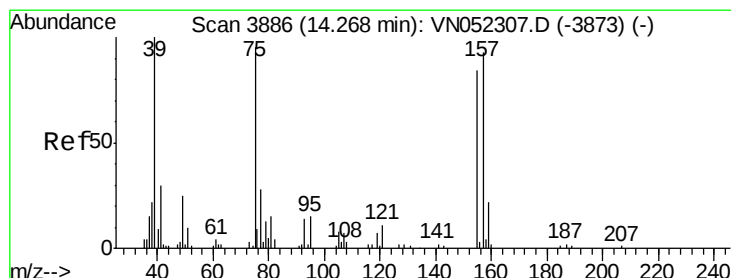
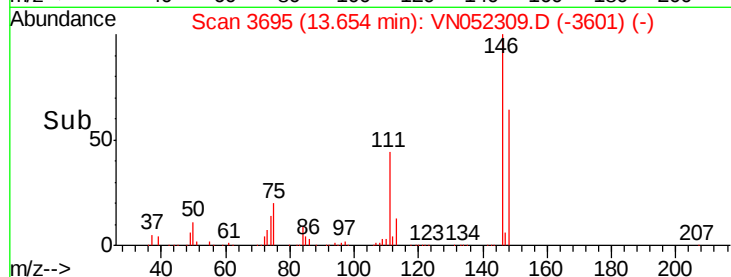
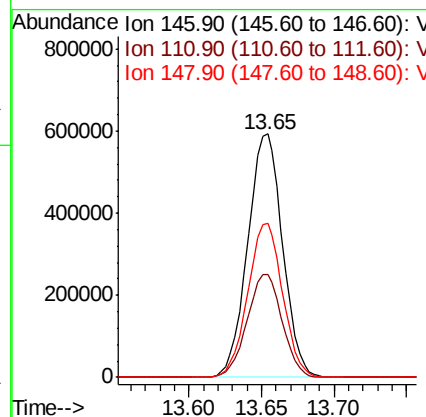
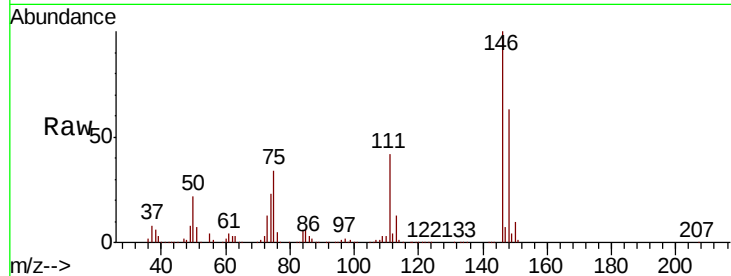
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	990740
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.3	63.9
148	63.2	31.6	94.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 157.989 ug/l

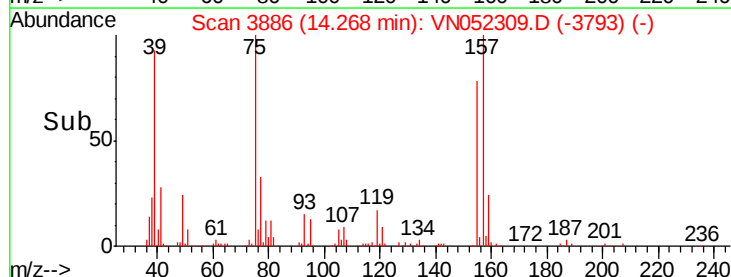
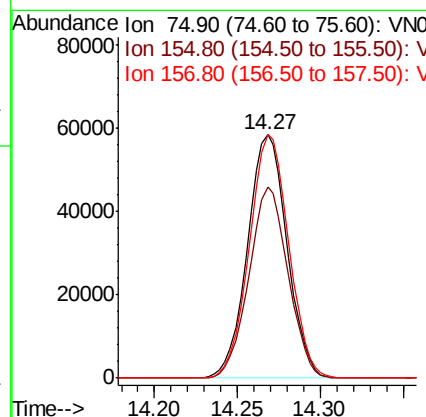
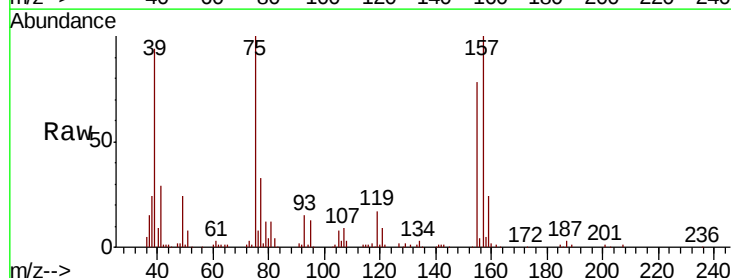
RT: 14.27 min Scan# 3886

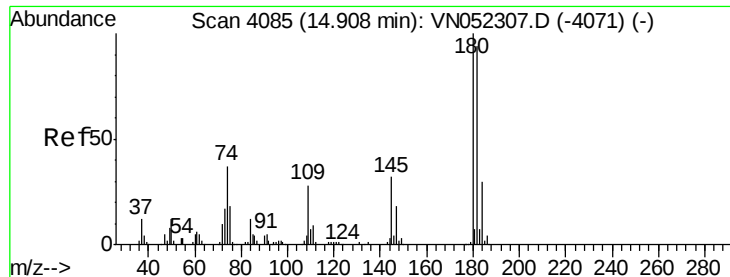
Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Tgt Ion:	75	Resp:	96555
Ion Ratio	Lower	Upper	
75	100		
155	77.6	42.4	127.3
157	99.5	49.6	149.0





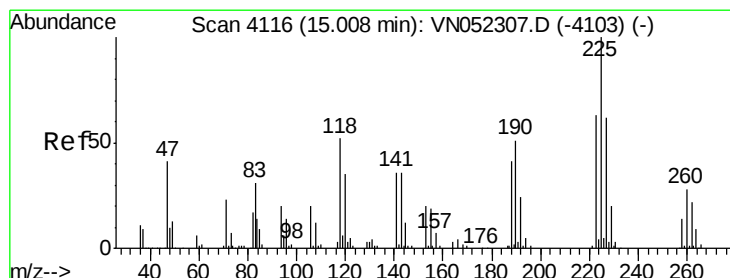
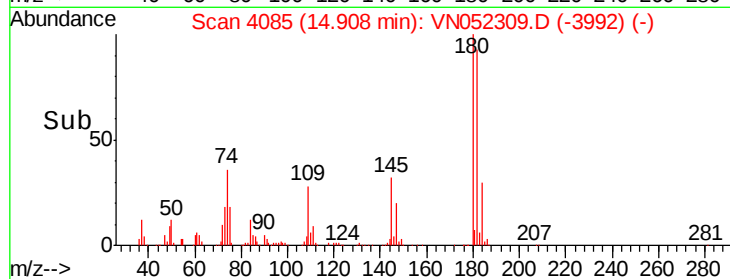
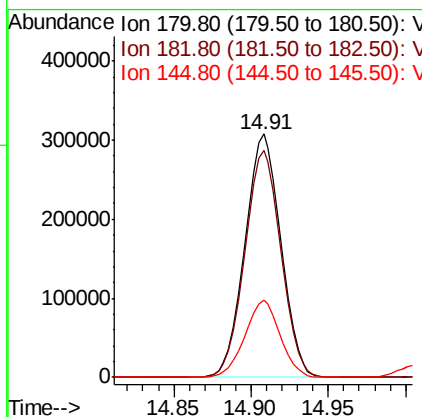
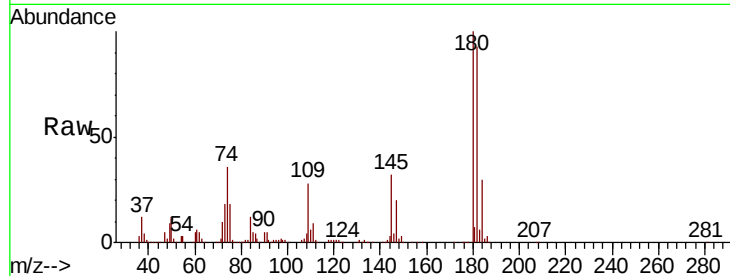
#93
 1,2,4-Trichlorobenzene
 Concen: 176.293 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	497929		
182	93.9	47.6	142.9	
145	31.1	15.5	46.5	

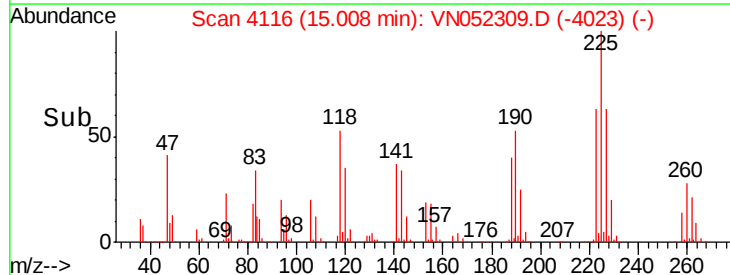
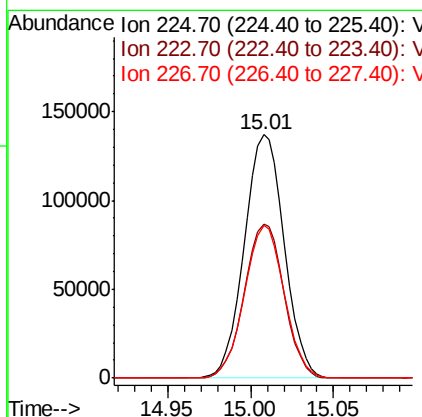
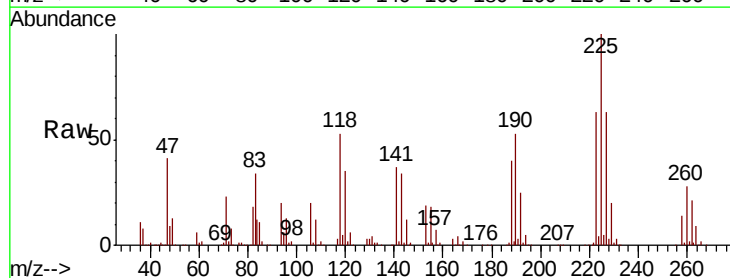
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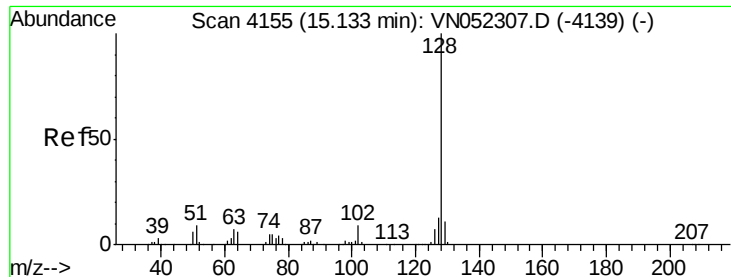
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 146.148 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052309.D
 Acq: 14 Nov 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	229607		
223	63.0	31.9	95.5	
227	62.6	31.6	95.0	





#95

Naphthalene

Concen: 185.686 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1185075

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

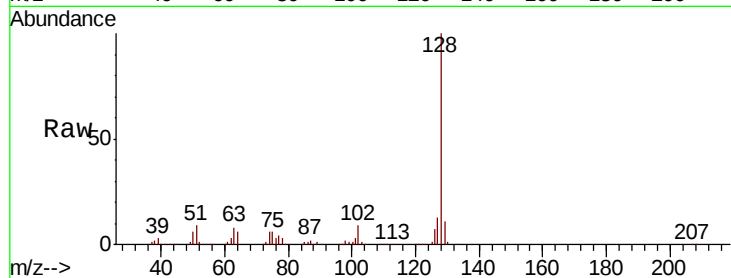
129 11.0 8.6 13.0

Manual Integrations

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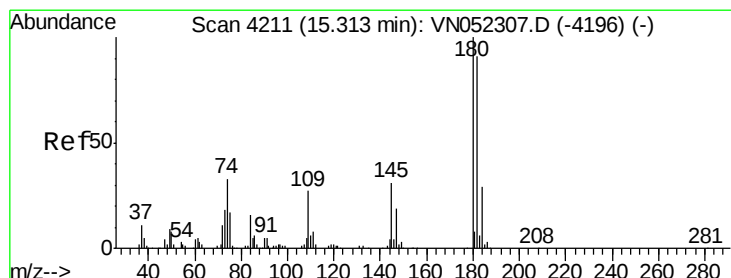
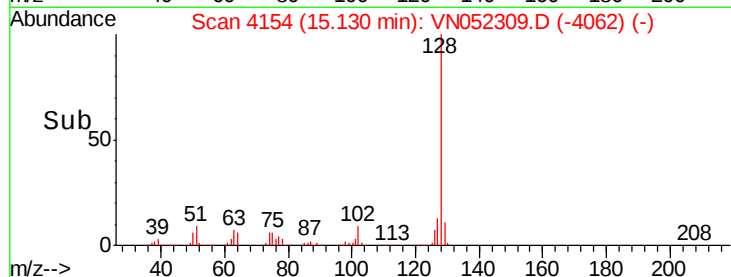
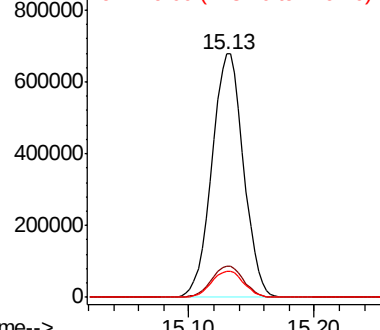
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 172.777 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052309.D

Acq: 14 Nov 2018 12:44

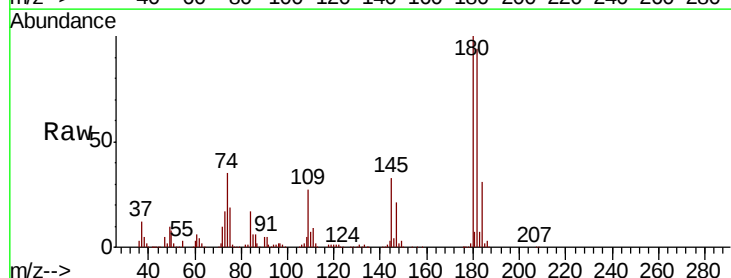
Tgt Ion:180 Resp: 450635

Ion Ratio Lower Upper

180 100

182 94.6 46.5 139.3

145 33.1 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

