

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052210.D
 Acq On : 7 Nov 2018 16:32
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 10:39:41 AM

Quant Time: Nov 07 16:52:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	395288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	657062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	589641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	277635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	225560	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	7.59	113	201383	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.09	98	776770	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.40	95	260050	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	161124	46.744	ug/l	97
3) Chloromethane	2.06	50	208428	44.800	ug/l	98
4) Vinyl Chloride	2.19	62	212246	47.632	ug/l	99
5) Bromomethane	2.57	94	143432	43.056	ug/l	95
6) Chloroethane	2.71	64	134410	47.176	ug/l	98
7) Trichlorofluoromethane	3.02	101	313673	48.461	ug/l	97
8) Diethyl Ether	3.41	74	110052	48.667	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	192671	49.813	ug/l	99
10) Methyl Iodide	3.96	142	260481	47.698	ug/l	99
11) Tert butyl alcohol	4.78	59	48673	238.870	ug/l	97
12) 1,1-Dichloroethene	3.74	96	168602	46.300	ug/l	95
13) Acrolein	3.61	56	39523	200.160	ug/l	99
14) Allyl chloride	4.33	41	302939	49.844	ug/l	95
15) Acrylonitrile	4.99	53	330797	247.979	ug/l	100
16) Acetone	3.82	43	261937	246.655	ug/l	94
17) Carbon Disulfide	4.06	76	478262	46.024	ug/l	100
18) Methyl Acetate	4.33	43	156497	46.374	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	496616	49.554	ug/l	94
20) Methylene Chloride	4.56	84	205183	46.500	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	191761	47.498	ug/l	97
22) Diisopropyl ether	5.96	45	668159	50.114	ug/l	98
23) Vinyl Acetate	5.90	43	2316389	262.843	ug/l	99
24) 1,1-Dichloroethane	5.85	63	374331	49.418	ug/l	98
25) 2-Butanone	6.84	43	400040	242.933	ug/l	97
26) 2,2-Dichloropropane	6.83	77	294933	49.750	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	228051	49.641	ug/l	98
28) Bromochloromethane	7.19	49	186299	51.982	ug/l	98
29) Tetrahydrofuran	7.21	42	253541	248.847	ug/l	99
30) Chloroform	7.37	83	380625	50.427	ug/l	96
31) Cyclohexane	7.65	56	345271	49.374	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	325361	48.930	ug/l	99
36) 1,1-Dichloropropene	7.79	75	291196	50.098	ug/l	99
37) Ethyl Acetate	6.93	43	186327	52.041	ug/l	97
38) Carbon Tetrachloride	7.78	117	289002	49.731	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	354090	51.437	ug/l	98
40) Benzene	8.04	78	863703	50.547	ug/l	100
41) Methacrylonitrile	7.17	41	92832	46.340	ug/l	99
42) 1,2-Dichloroethane	8.13	62	270331	49.214	ug/l	100
43) Isopropyl Acetate	8.17	43	345798	52.139	ug/l #	89
44) Trichloroethene	8.84	130	226125	49.984	ug/l	98
45) 1,2-Dichloropropane	9.12	63	232502	51.379	ug/l	99
46) Dibromomethane	9.21	93	142225	49.420	ug/l	99
47) Bromodichloromethane	9.40	83	291338	51.907	ug/l	97
48) Methyl methacrylate	9.20	41	167527	52.483	ug/l	97
49) 1,4-Dioxane	9.20	88	26666	983.786	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	912746	260.501	ug/l	100
52) Toluene	10.16	92	543958	52.791	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	291956	53.025	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	341363	52.982	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	191306	52.660	ug/l	98
56) Ethyl methacrylate	10.43	69	249894	52.773	ug/l	99
57) 1,3-Dichloropropane	10.71	76	323847	50.601	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	686145	269.245	ug/l	99
59) 2-Hexanone	10.75	43	640102	262.436	ug/l	100
60) Dibromochloromethane	10.90	129	216988	52.522	ug/l	98
61) 1,2-Dibromoethane	11.01	107	191694	51.981	ug/l	99
64) Tetrachloroethene	10.63	164	202433	52.992	ug/l	99
65) Chlorobenzene	11.43	112	598924	49.834	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	215508	53.395	ug/l	98
67) Ethyl Benzene	11.51	91	1035256	51.862	ug/l	98
68) m/p-Xylenes	11.62	106	811546	105.364	ug/l	99
69) o-Xylene	11.95	106	385096	51.555	ug/l	99
70) Styrene	11.96	104	616768	52.159	ug/l	100
71) Bromoform	12.13	173	128609	47.912	ug/l #	96
73) Isopropylbenzene	12.25	105	1038250	49.459	ug/l	99
74) N-amyl acetate	12.07	43	320499	51.451	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	226011	49.187	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	172465m	39.473	ug/l	
77) Bromobenzene	12.53	156	237902	47.525	ug/l	95
78) n-propylbenzene	12.59	91	1187516	49.499	ug/l	100
79) 2-Chlorotoluene	12.67	91	680868	48.397	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	834679	49.122	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	62032	50.836	ug/l	99
82) 4-Chlorotoluene	12.77	91	681062	48.166	ug/l	100
83) tert-Butylbenzene	12.99	119	734413	48.948	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	847535	50.108	ug/l	99
85) sec-Butylbenzene	13.17	105	1009331	49.750	ug/l	99
86) p-Isopropyltoluene	13.29	119	871957	51.063	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	437653	49.474	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	438932	49.642	ug/l	99
89) n-Butylbenzene	13.61	91	755656	51.106	ug/l	97
90) Hexachloroethane	13.87	117	146740	50.989	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	420445	50.645	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31683	52.234	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	188670	48.269	ug/l	99
94) Hexachlorobutadiene	15.01	225	97362	49.905	ug/l	99
95) Naphthalene	15.13	128	419639	49.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	164716	48.891	ug/l	97

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

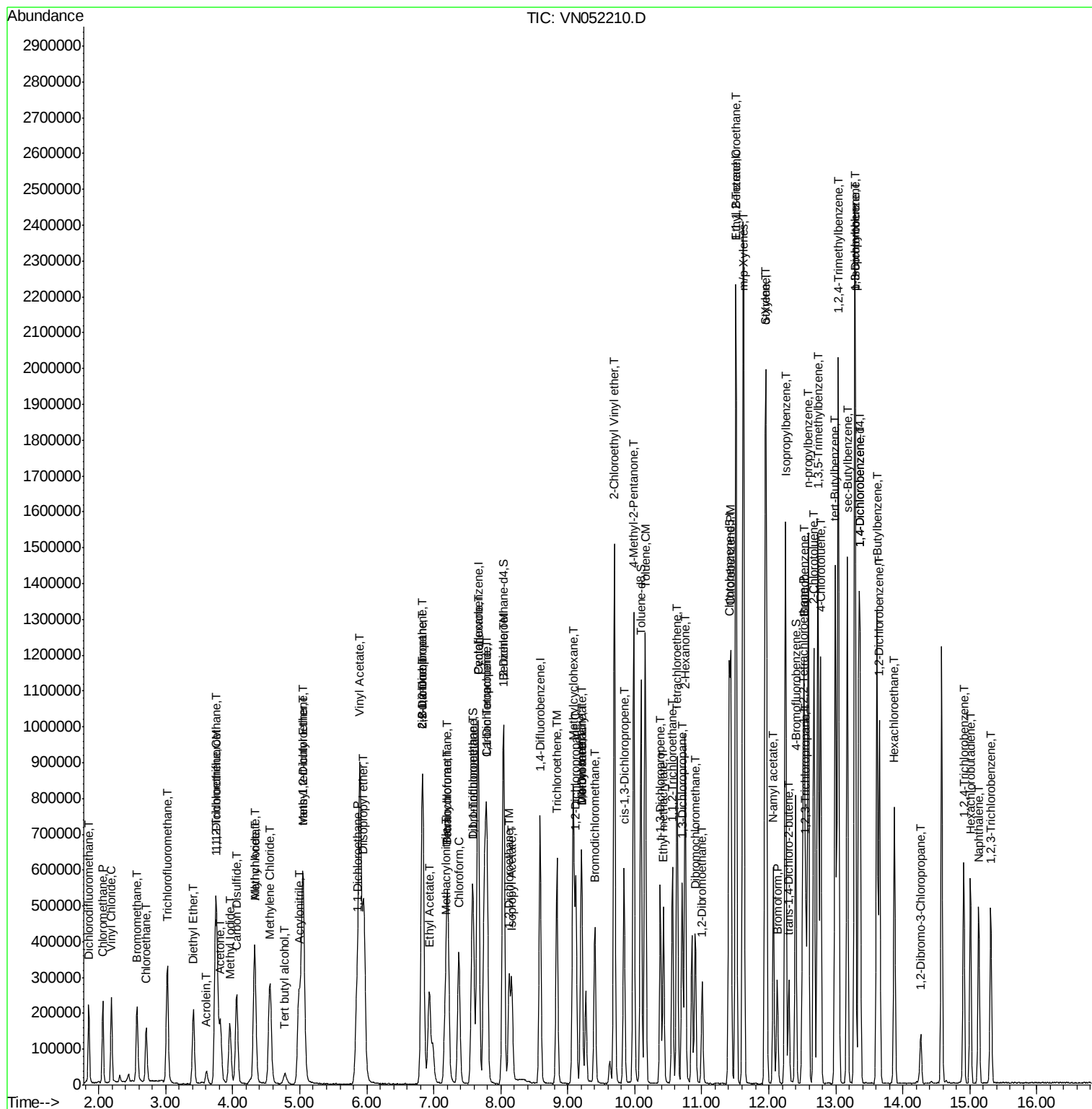
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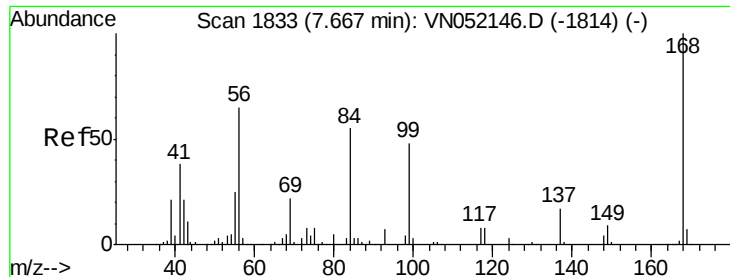
Instrument :
MSVOA_N
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VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 395288

Ion Ratio Lower Upper

168 100

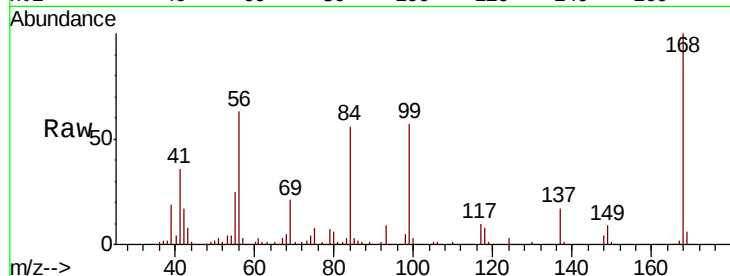
99 56.5 45.4 68.2

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

100000

50000

0

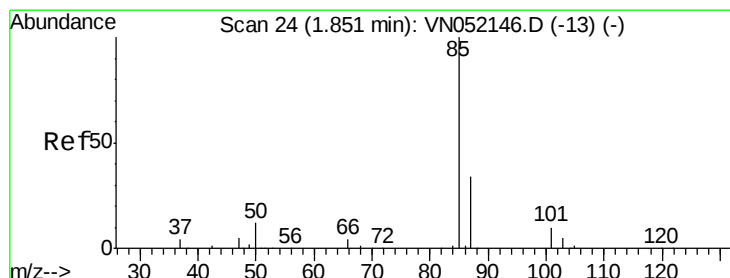
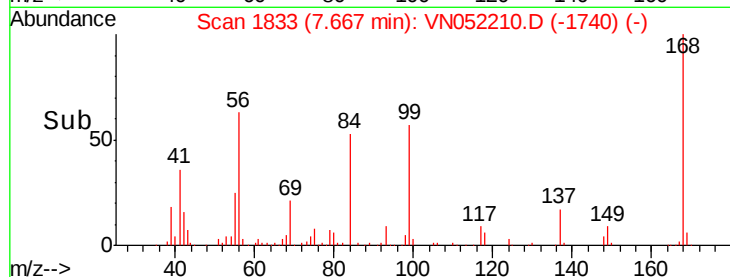
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.744 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052210.D

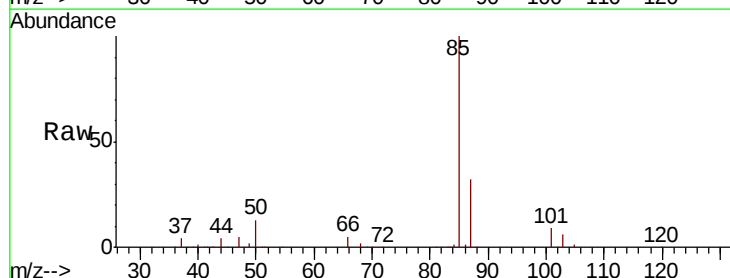
Acq: 7 Nov 2018 16:32

Tgt Ion: 85 Resp: 161124

Ion Ratio Lower Upper

85 100

87 32.2 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

50000

0

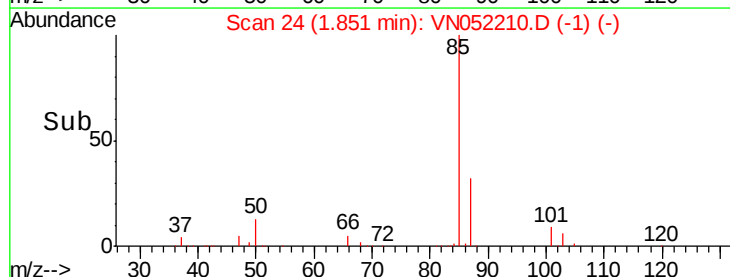
1.85

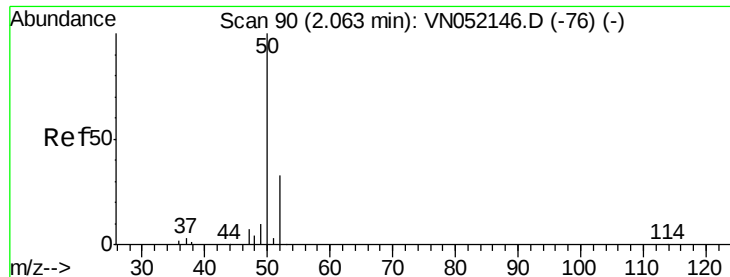
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 44.800 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 208428

Ion Ratio Lower Upper

50 100

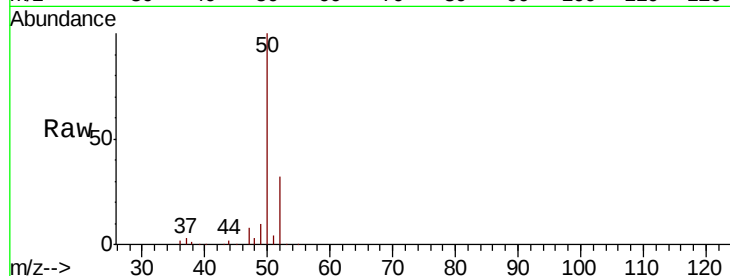
52 31.5 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

150000

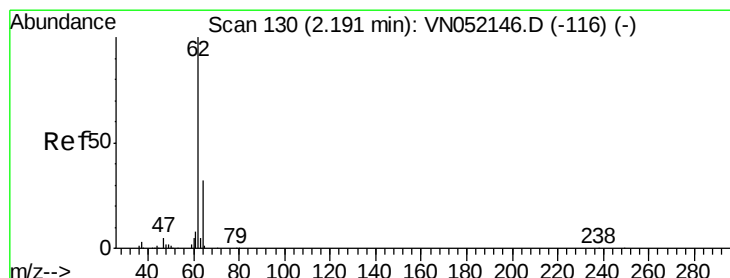
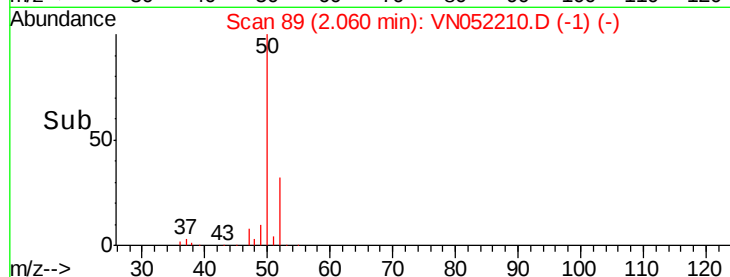
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 47.632 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052210.D

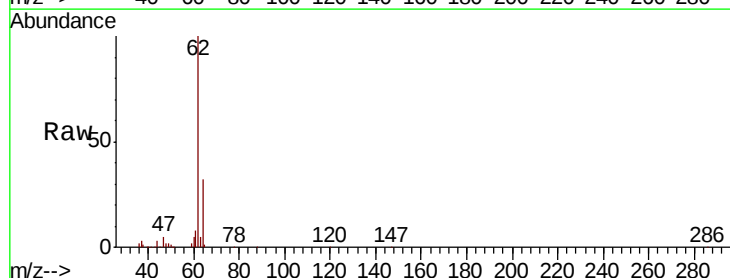
Acq: 7 Nov 2018 16:32

Tgt Ion: 62 Resp: 212246

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

150000

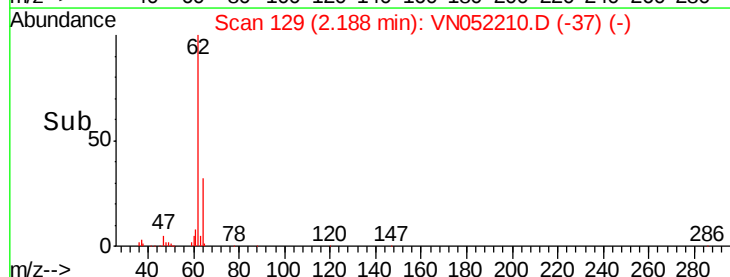
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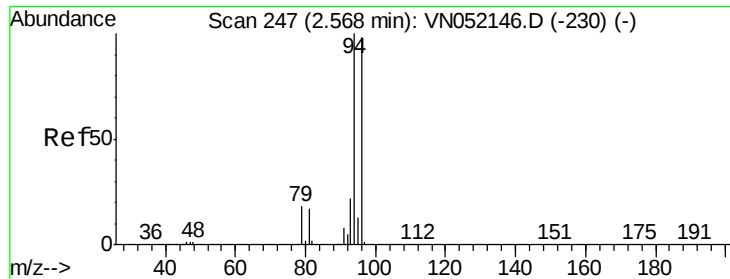
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 43.056 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 143432

Ion Ratio Lower Upper

94 100

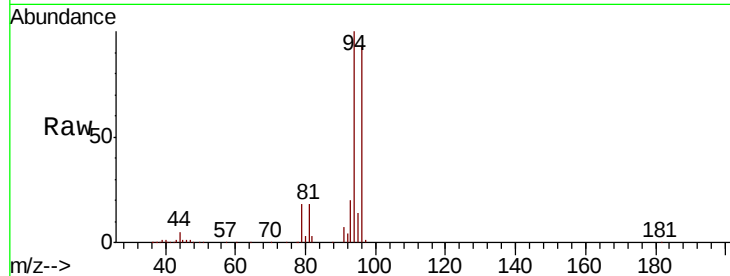
96 92.6 78.3 117.5

Manual Integrations

APPROVED

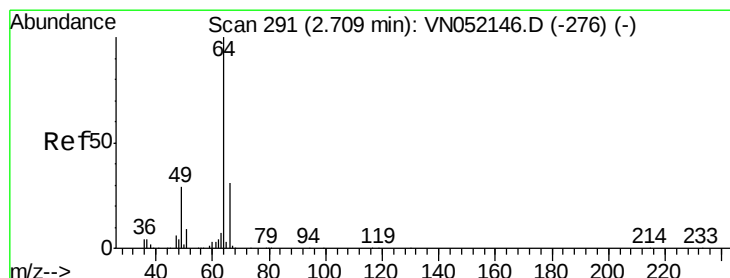
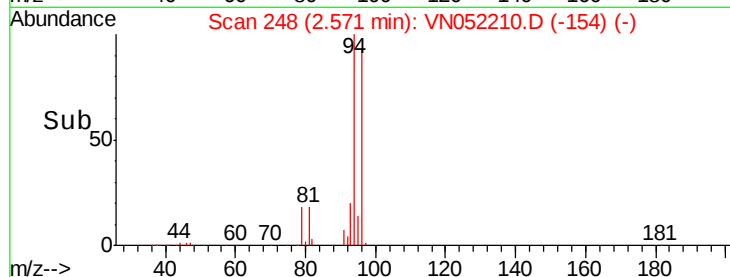
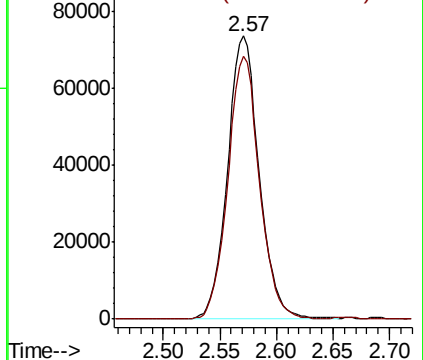
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11/9/2018 10:39:41 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.176 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052210.D

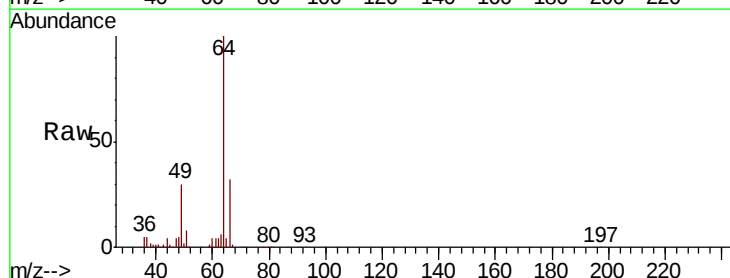
Acq: 7 Nov 2018 16:32

Tgt Ion: 64 Resp: 134410

Ion Ratio Lower Upper

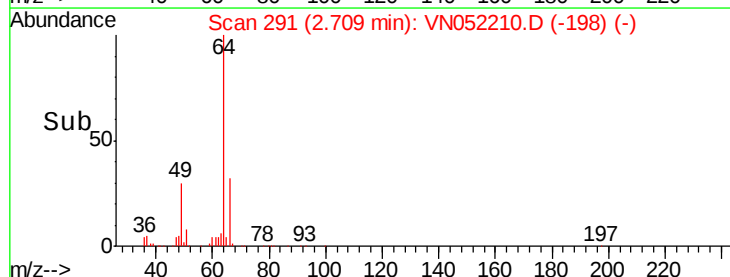
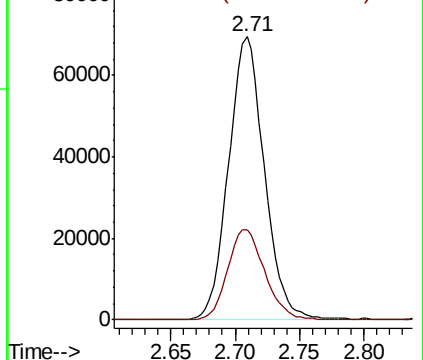
64 100

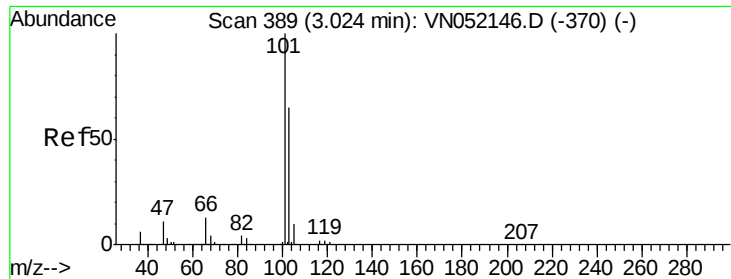
66 31.8 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

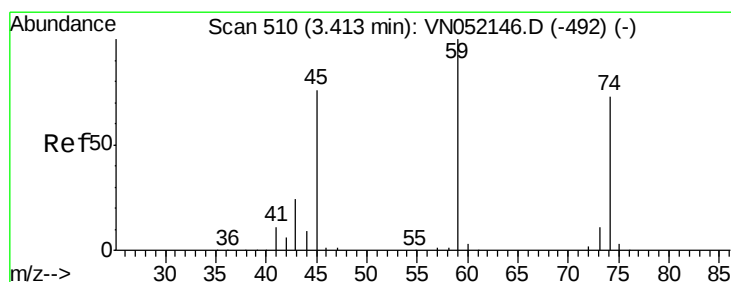
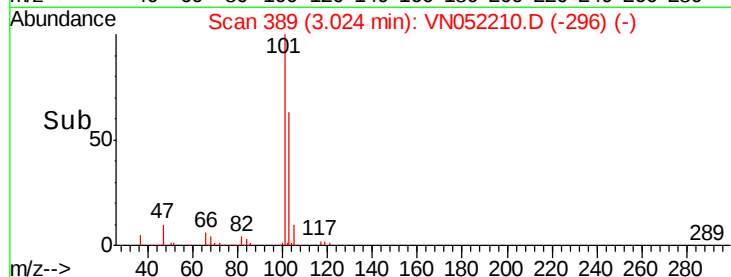
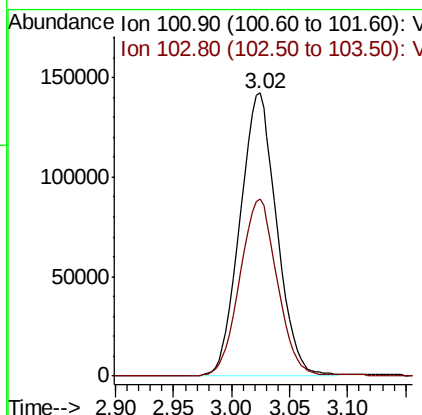
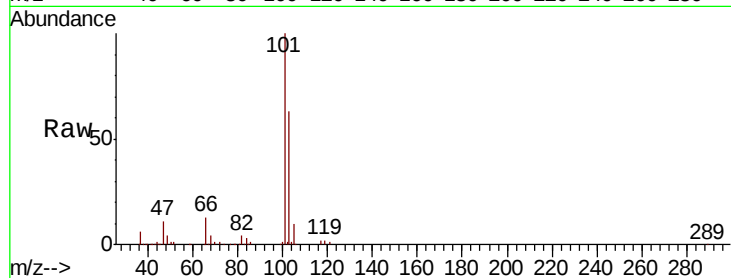
Trichlorofluoromethane
Concen: 48.461 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.2	78.4

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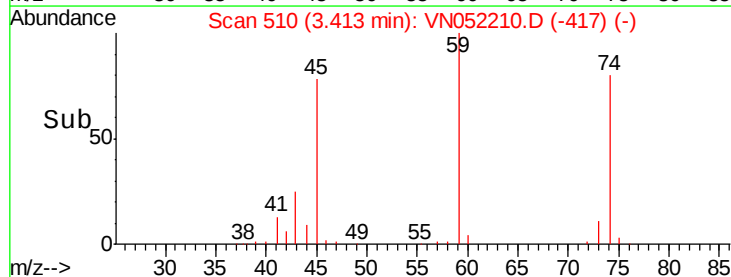
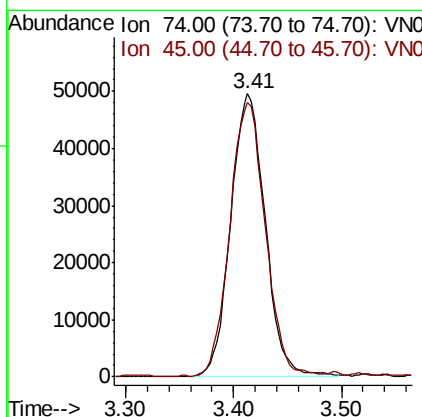
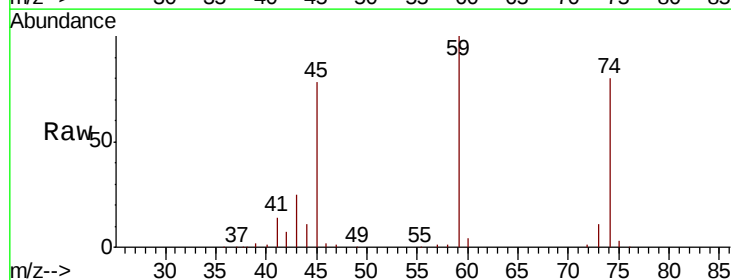
MMDadoda
11/9/2018 10:39:41 AM

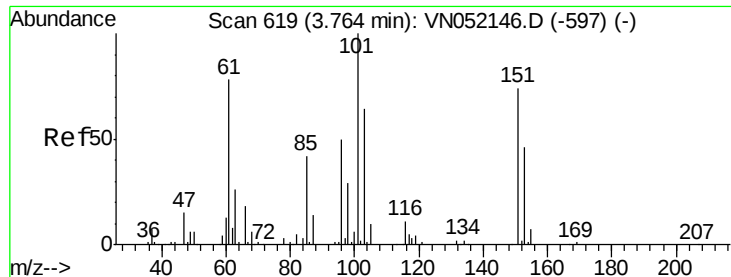


#8

Diethyl Ether
Concen: 48.667 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.813 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

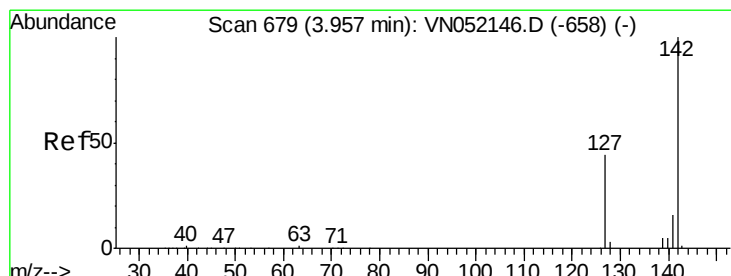
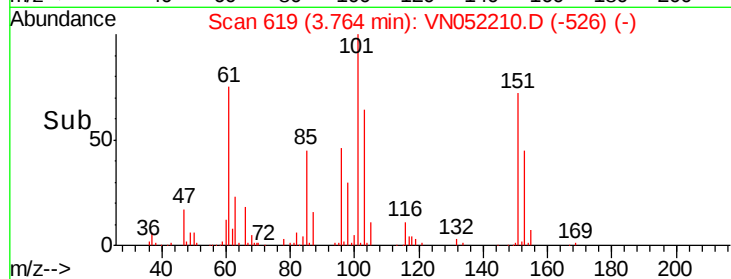
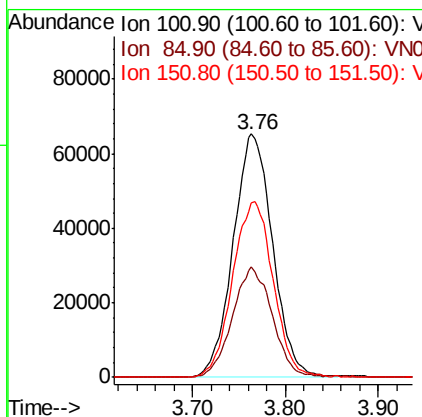
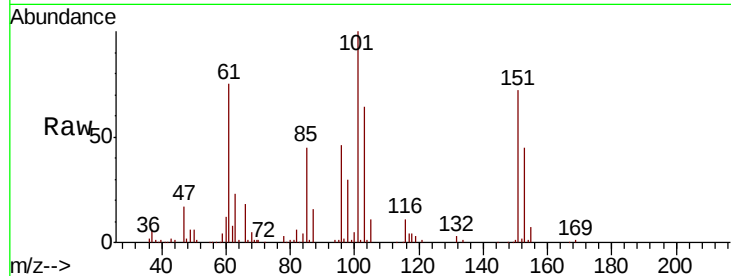
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	192671
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.1	54.1
151	74.1	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 47.698 ug/l

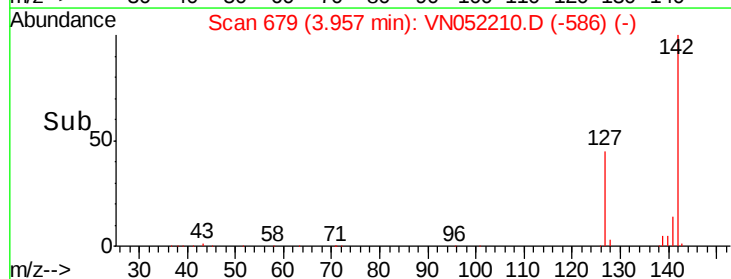
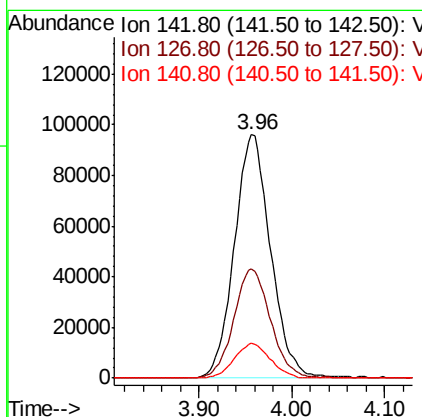
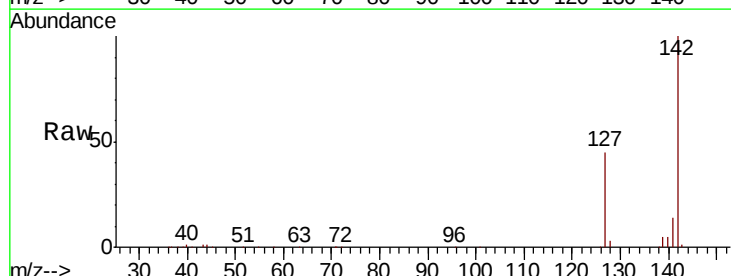
RT: 3.96 min Scan# 679

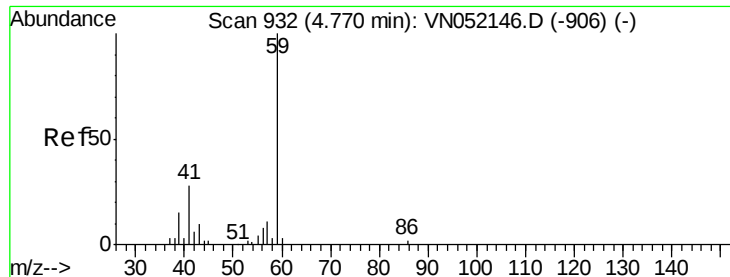
Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Tgt Ion:	142	Resp:	260481
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.0	54.0
141	14.3	11.8	17.6





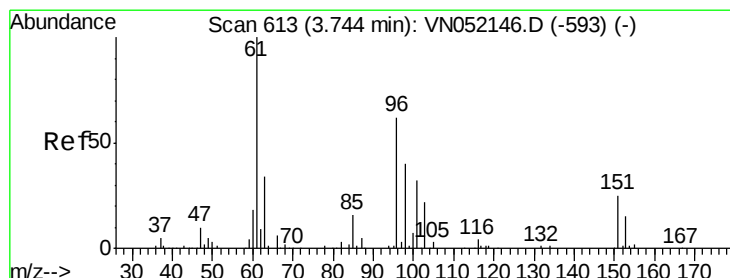
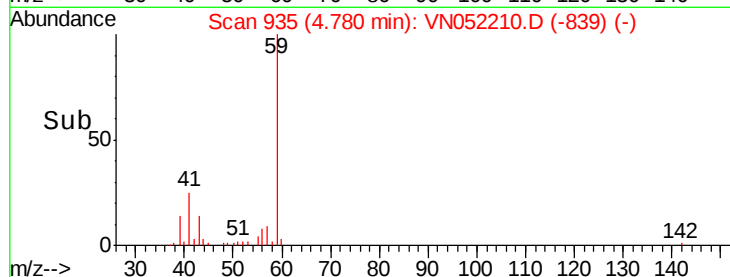
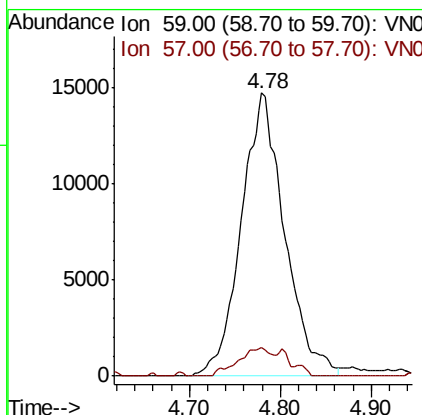
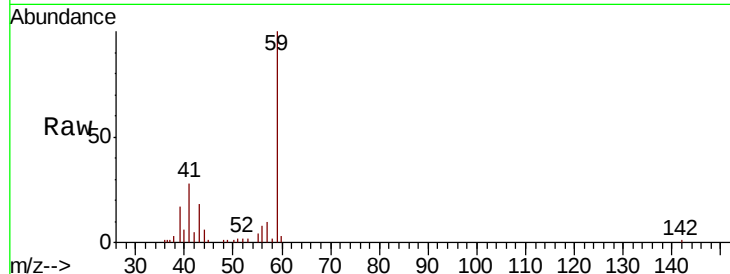
#11
Tert butyl alcohol
Concen: 238.870 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 48673
Ion Ratio Lower Upper
59 100
57 8.0 5.7 8.5

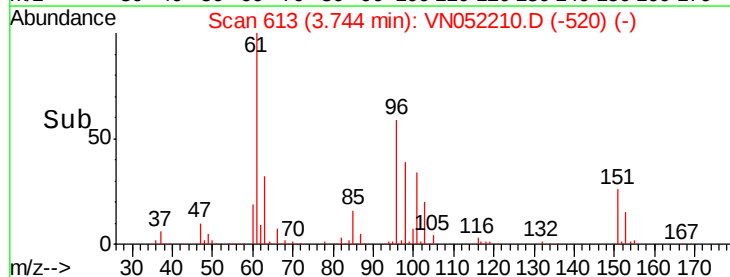
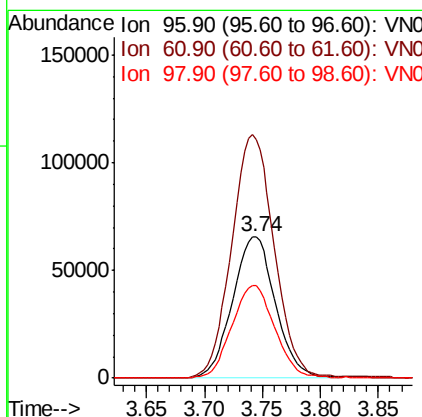
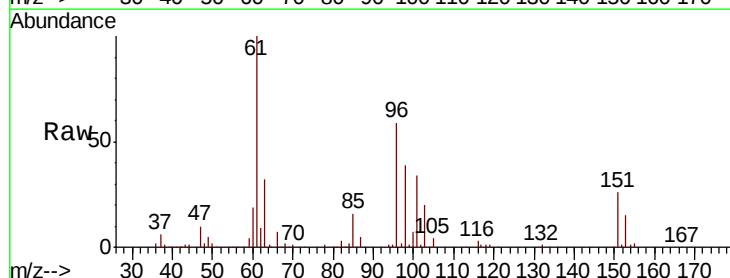
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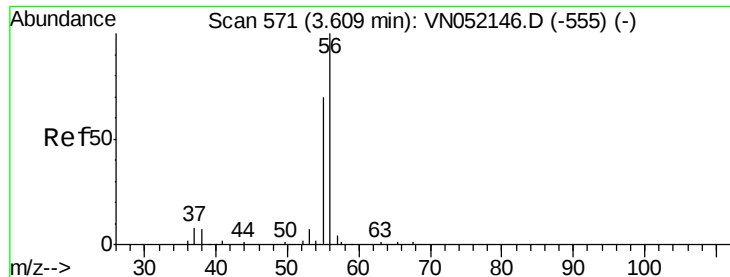
MMDadoda
11/9/2018 10:39:41 AM



#12
1,1-Dichloroethene
Concen: 46.300 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion: 96 Resp: 168602
Ion Ratio Lower Upper
96 100
61 168.3 128.4 192.6
98 64.8 50.9 76.3





#13

Acrolein

Concen: 200.160 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 56 Resp: 39523

Ion Ratio Lower Upper

56 100

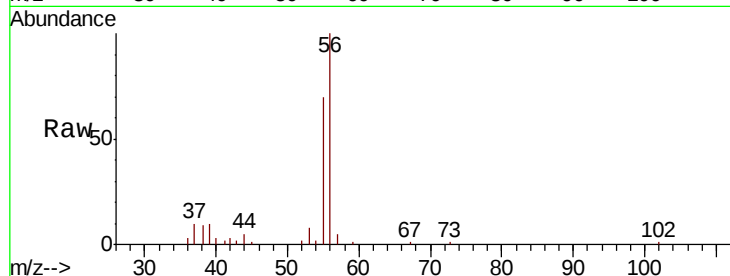
55 71.8 56.6 84.8

Manual Integrations

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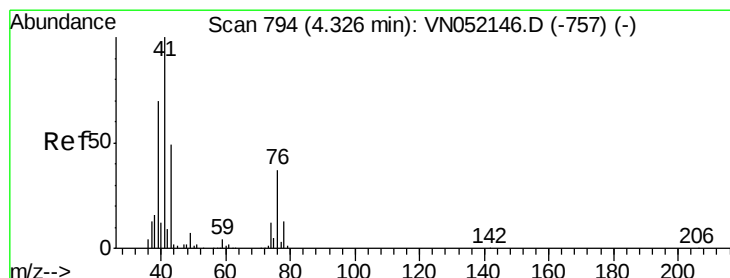
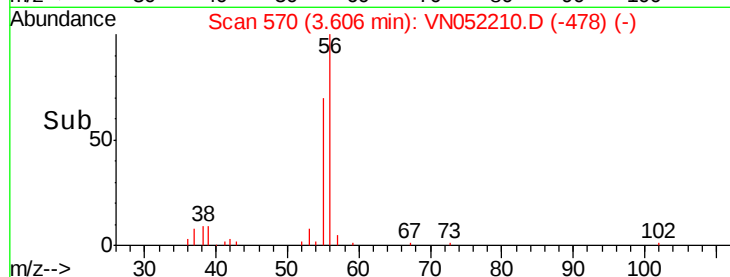
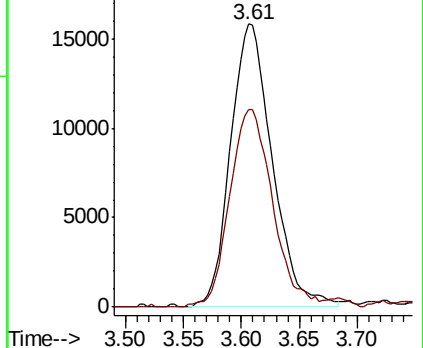
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.844 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

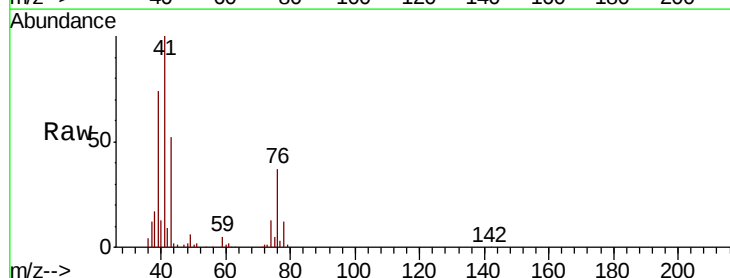
Tgt Ion: 41 Resp: 302939

Ion Ratio Lower Upper

41 100

39 73.9 55.3 82.9

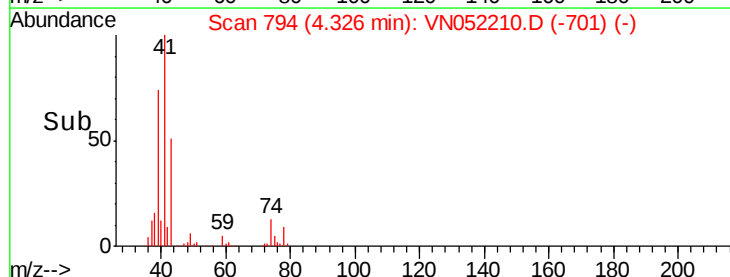
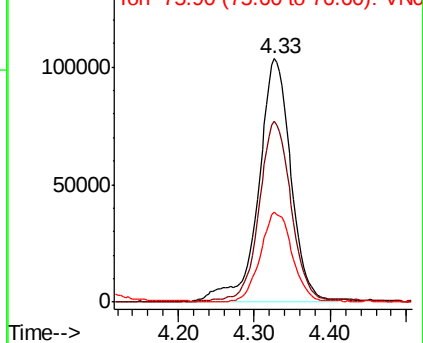
76 36.2 27.8 41.8

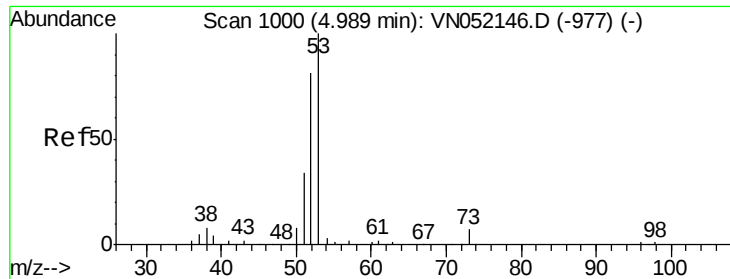


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 247.979 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

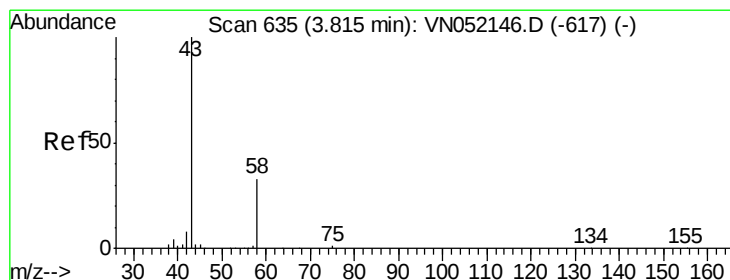
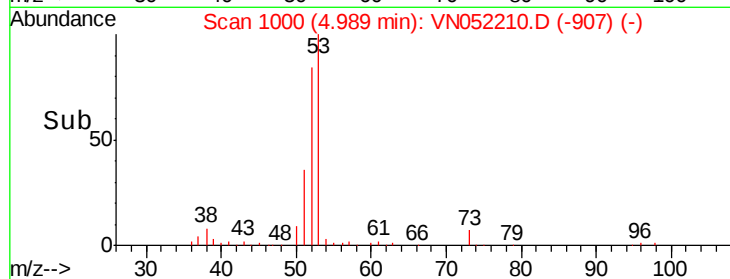
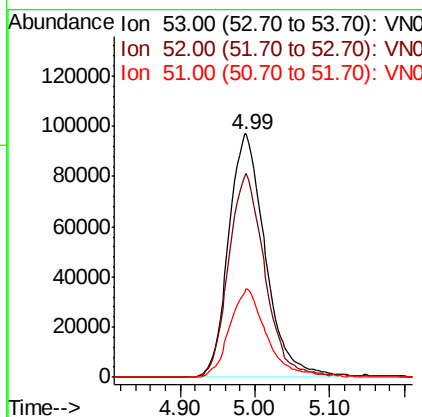
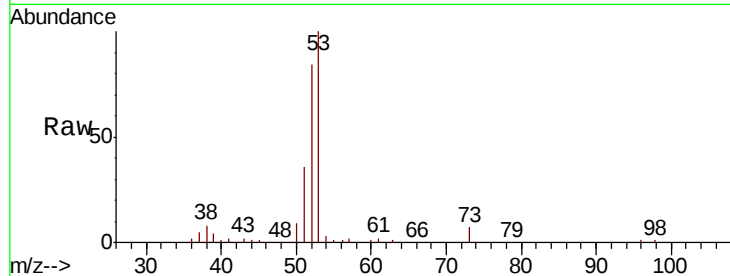
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	330797
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.5	99.7
51	36.5	29.2	43.8

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#16

Acetone

Concen: 246.655 ug/l

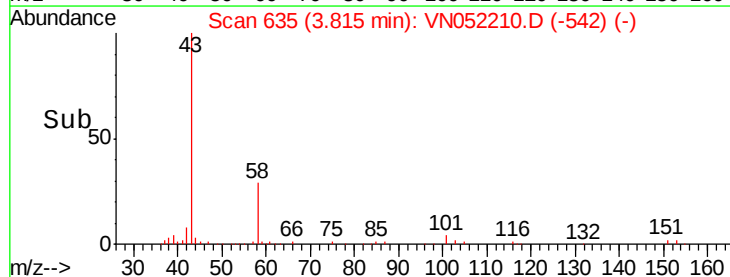
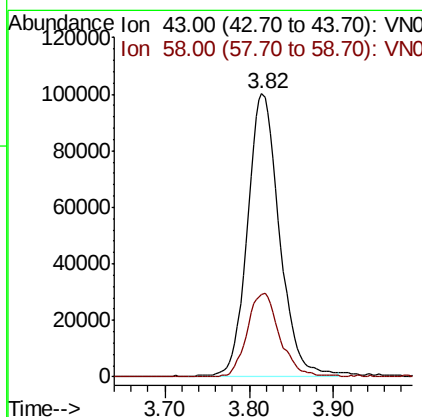
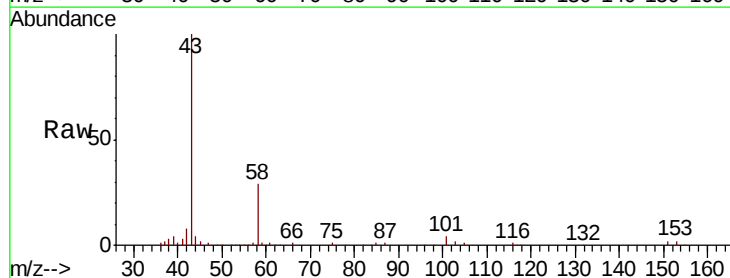
RT: 3.82 min Scan# 635

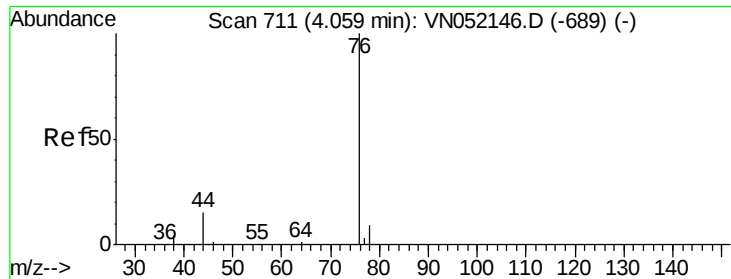
Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Tgt Ion:	43	Resp:	261937
Ion	Ratio	Lower	Upper
43	100		
58	29.1	26.2	39.2





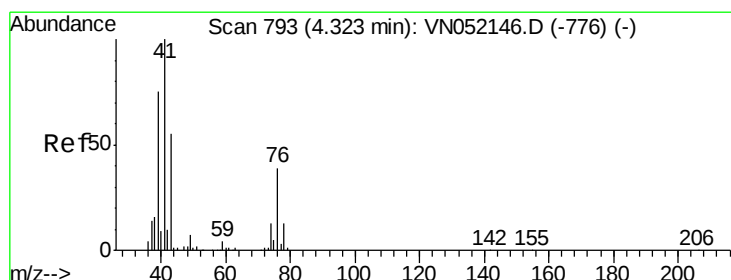
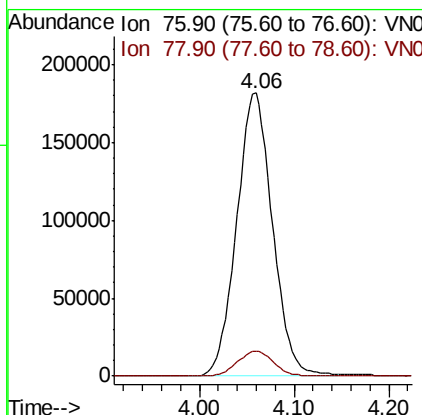
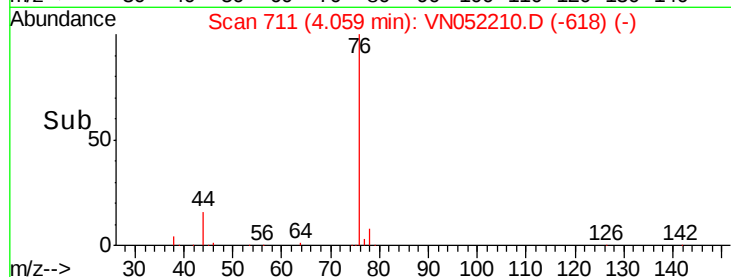
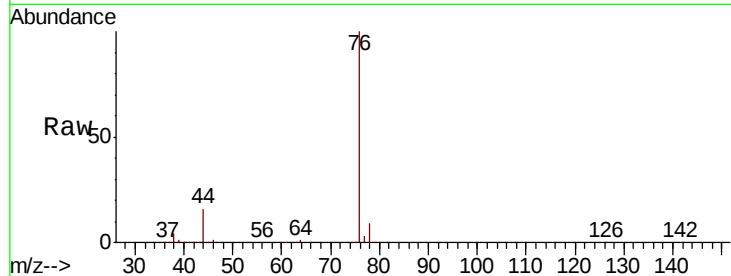
#17
Carbon Disulfide
Concen: 46.024 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

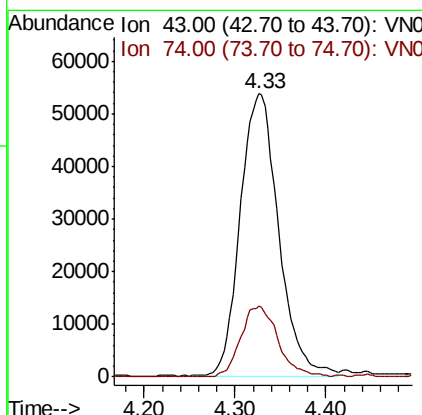
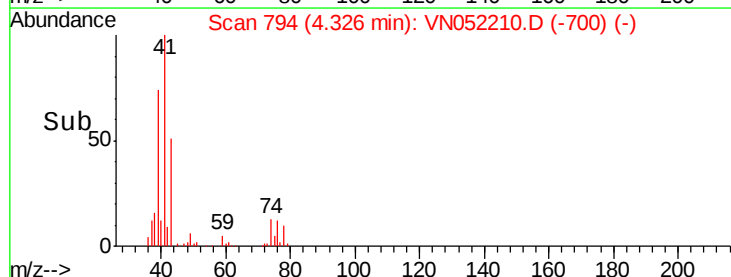
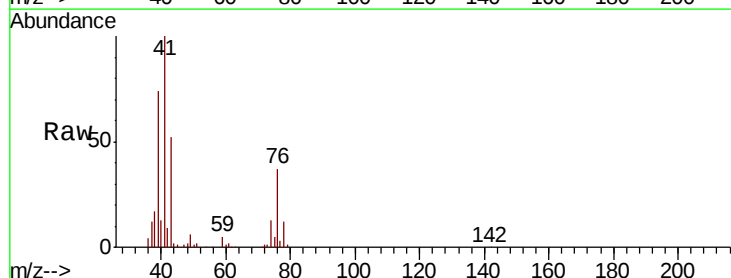
Manual Integrations
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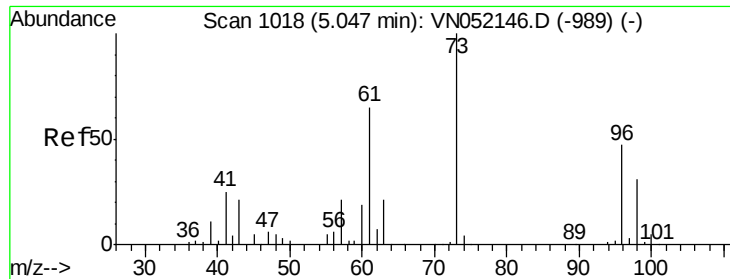
MMDadoda
11/9/2018 10:39:41 AM



#18
Methyl Acetate
Concen: 46.374 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.3	28.9





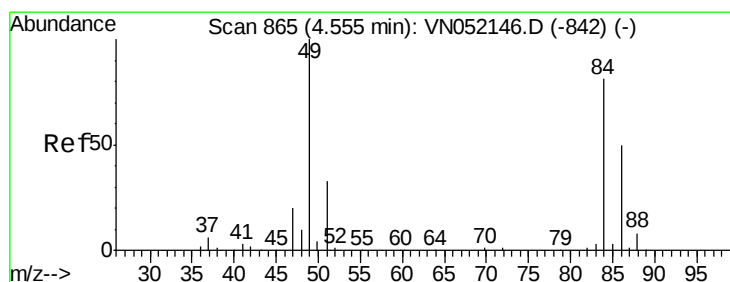
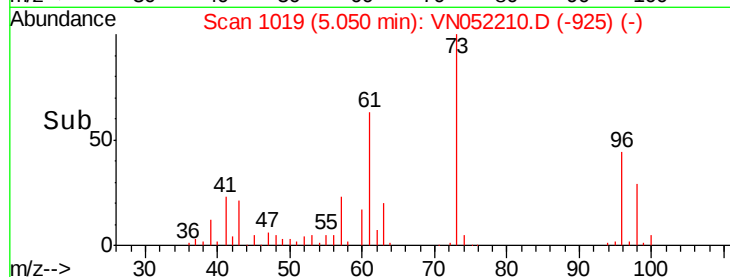
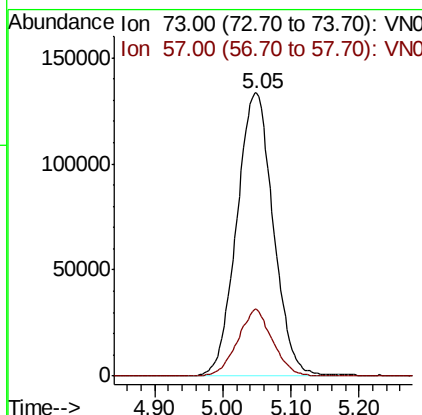
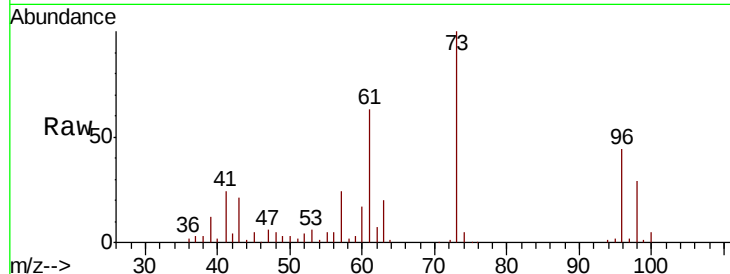
#19
Methvl tert-butvl Ether
Concen: 49.554 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 496616
Ion Ratio Lower Upper
73 100
57 23.8 16.8 25.2

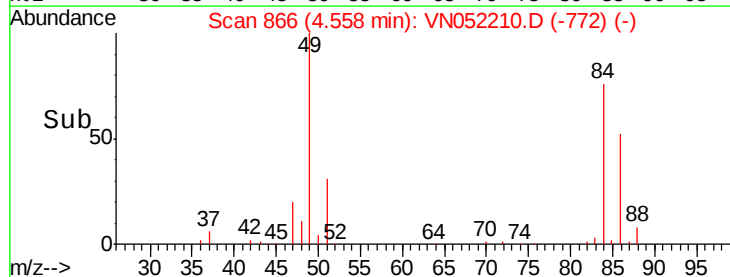
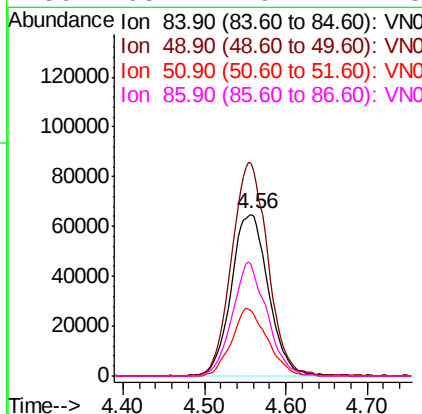
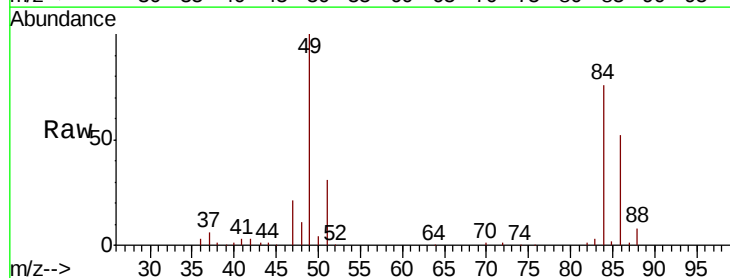
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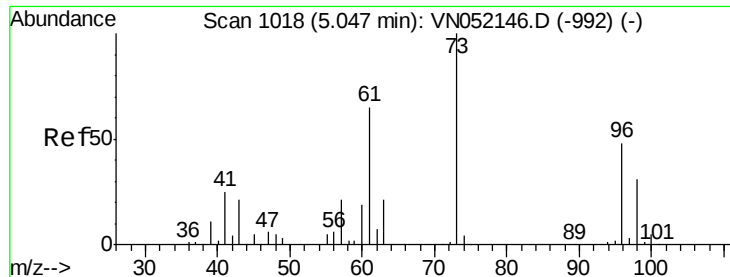
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#20
Methylene Chloride
Concen: 46.500 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion: 84 Resp: 205183
Ion Ratio Lower Upper
84 100
49 131.2 98.4 147.6
51 40.2 32.5 48.7
86 68.4 49.7 74.5





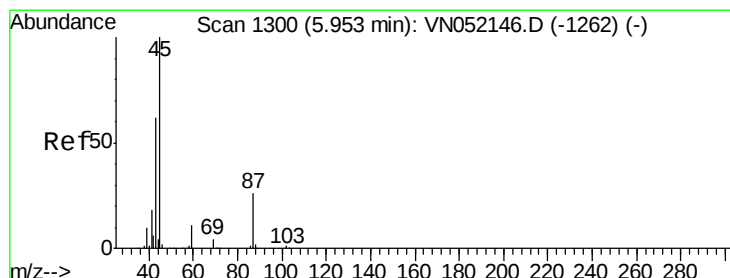
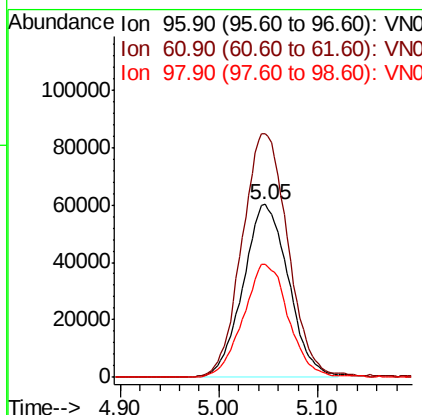
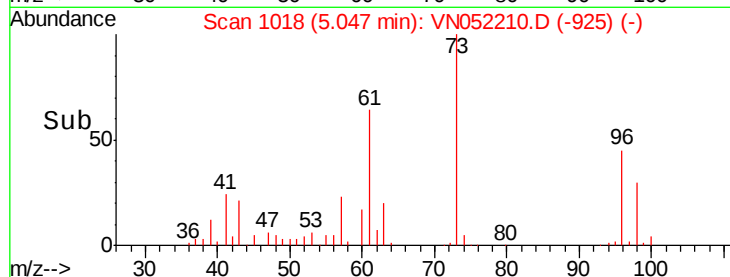
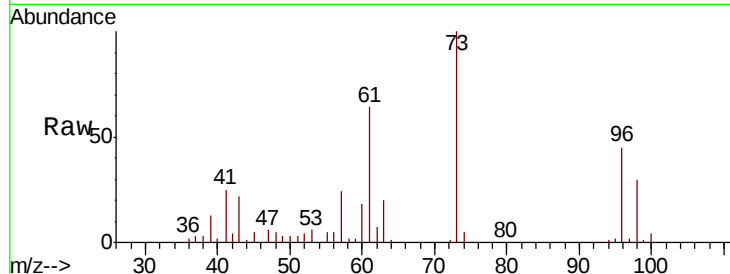
#21
trans-1,2-Dichloroethene
Concen: 47.498 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	109.6	164.4
98	65.7	52.0	78.0

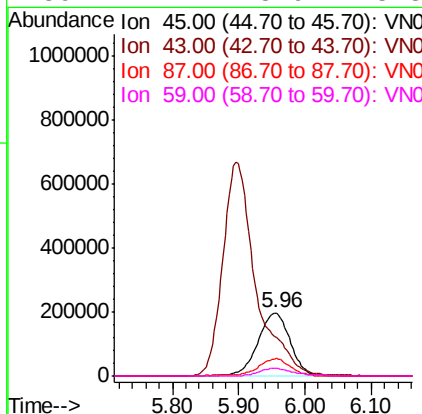
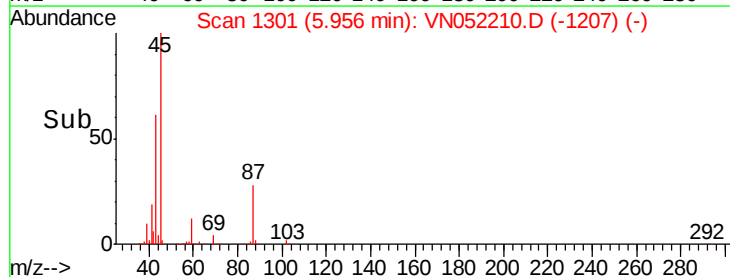
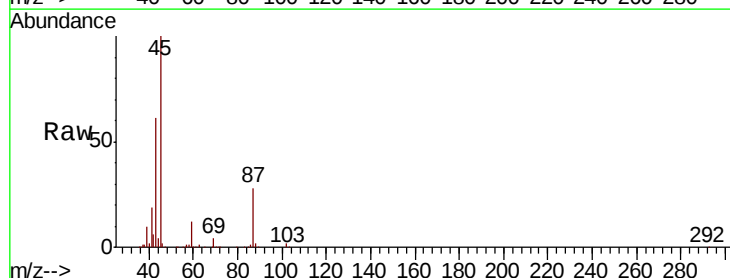
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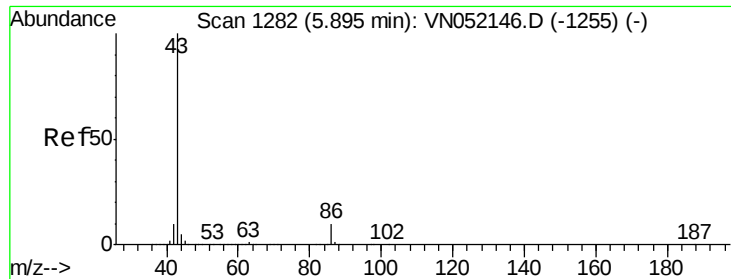
MMDadoda
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#22
Diisopropyl ether
Concen: 50.114 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.8	49.8	74.6
87	27.5	21.1	31.7
59	11.4	8.9	13.3





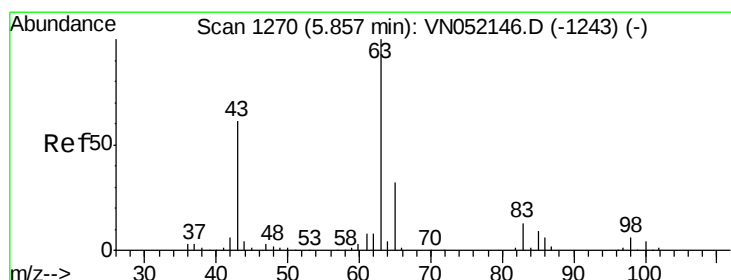
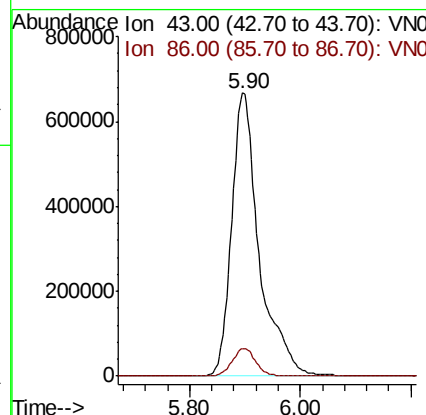
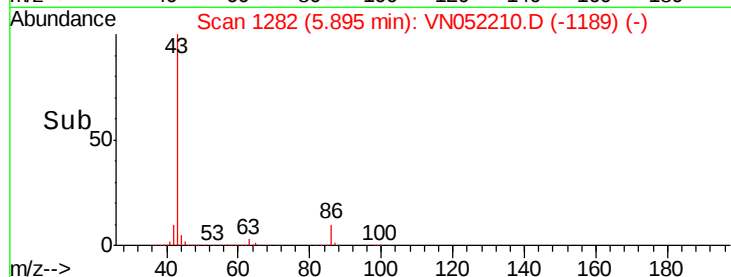
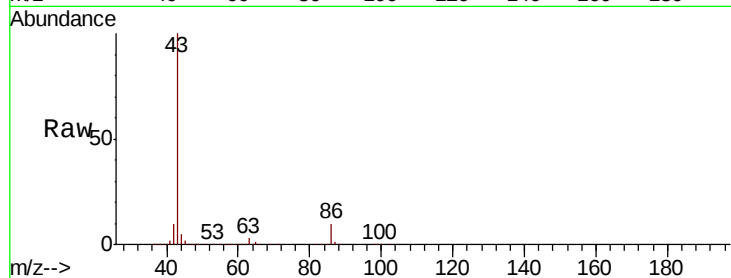
#23
 Vinyl Acetate
 Concen: 262.843 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2316389
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.9 11.9

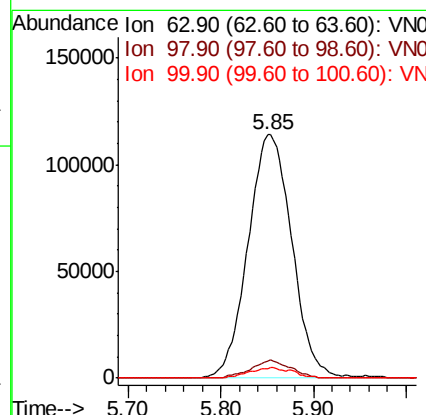
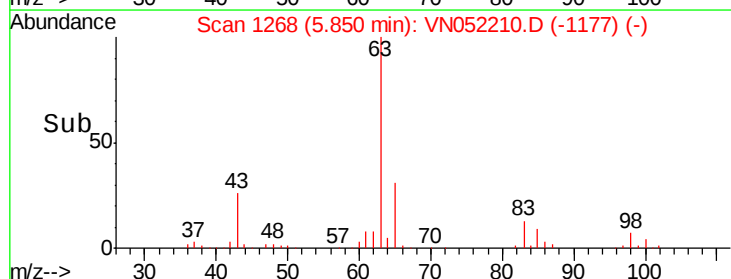
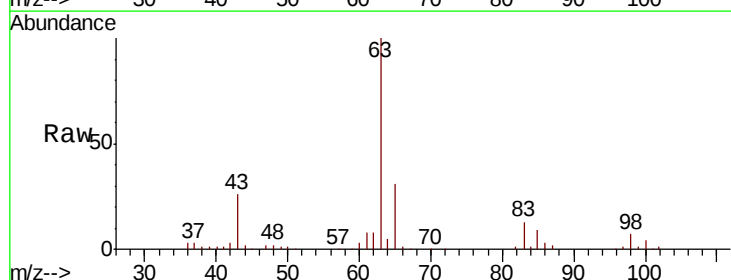
Manual Integrations
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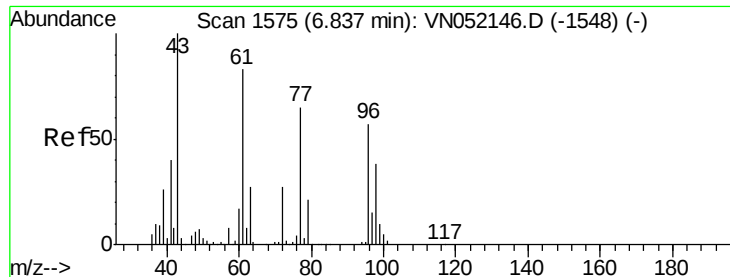
MMDadoda
 11/9/2018 10:39:41 AM



#24
 1,1-Dichloroethane
 Concen: 49.418 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Tgt Ion: 63 Resp: 374331
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.1 9.4
 100 3.9 2.1 6.2





#25

2-Butanone

Concen: 242.933 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 400040

Ion Ratio Lower Upper

43 100

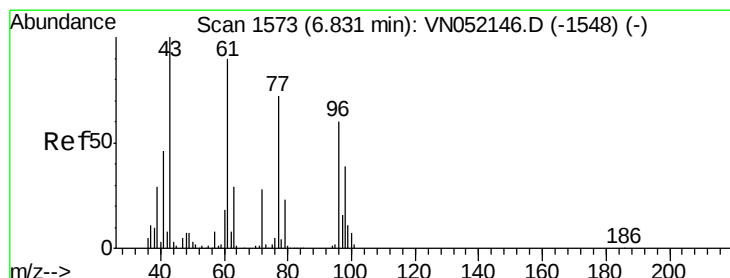
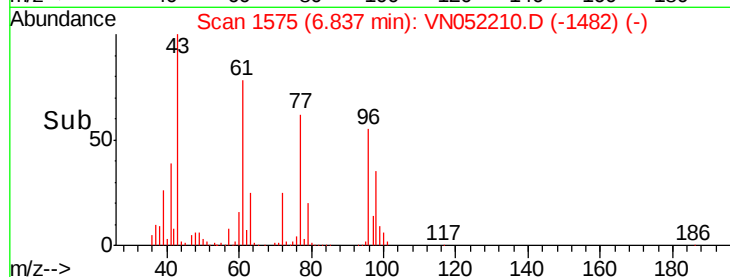
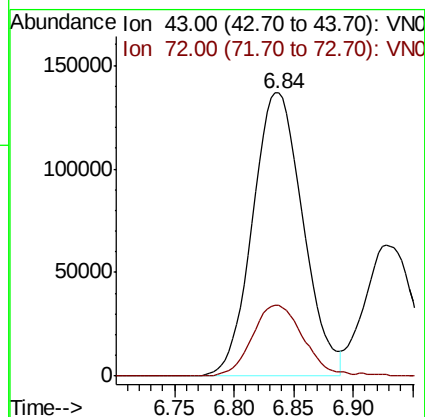
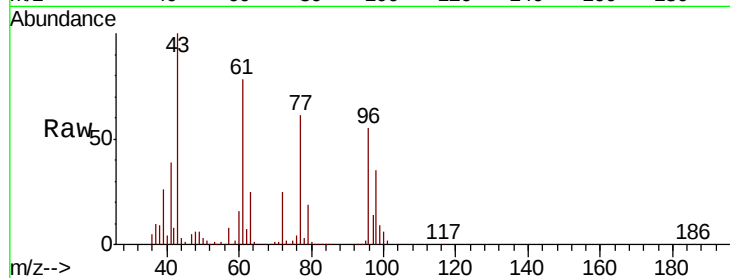
72 25.0 21.4 32.2

Manual Integrations

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11/9/2018 10:39:41 AM



#26

2,2-Dichloropropane

Concen: 49.750 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052210.D

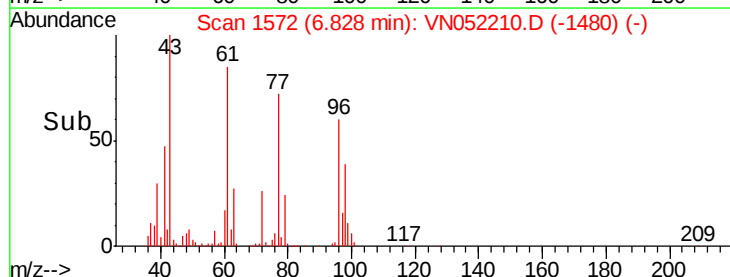
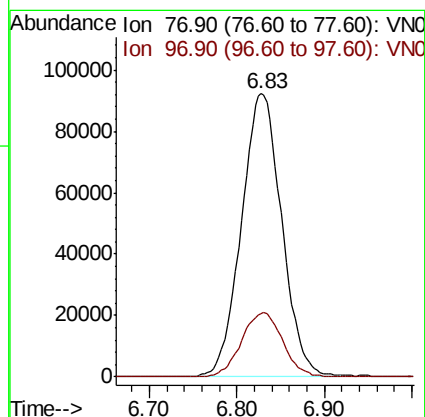
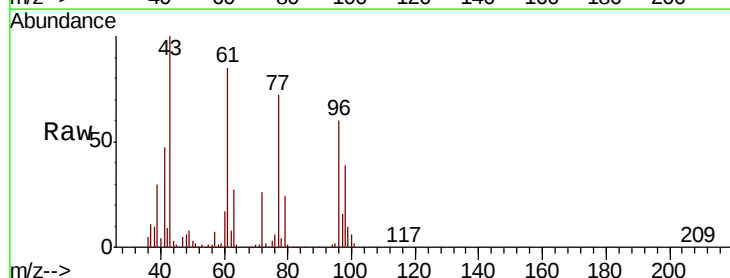
Acq: 7 Nov 2018 16:32

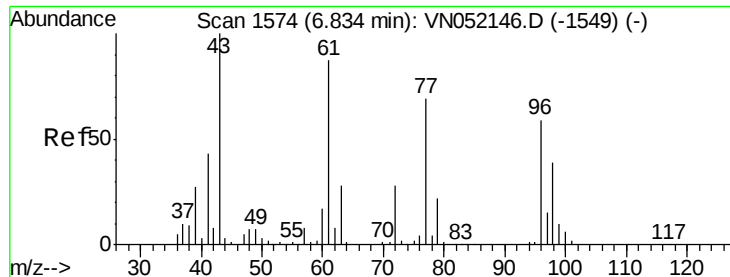
Tgt Ion: 77 Resp: 294933

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 49.641 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

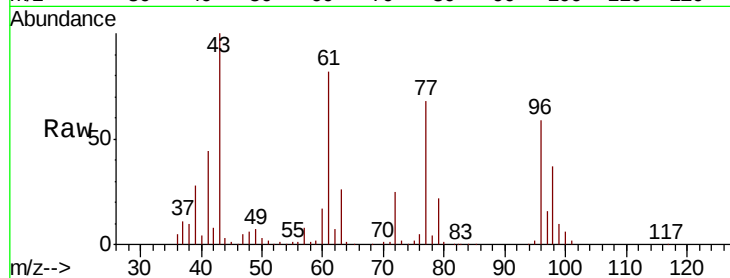
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	228051
Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	291.8
98	62.9	0.0	130.0

Manual Integrations
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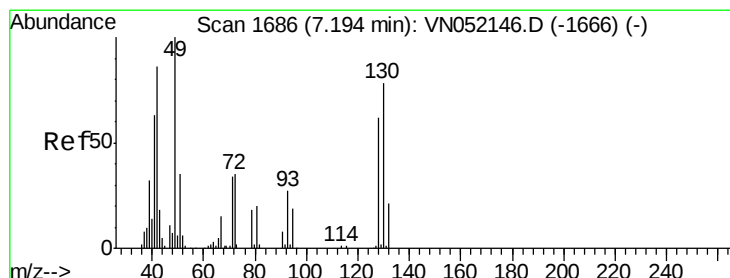
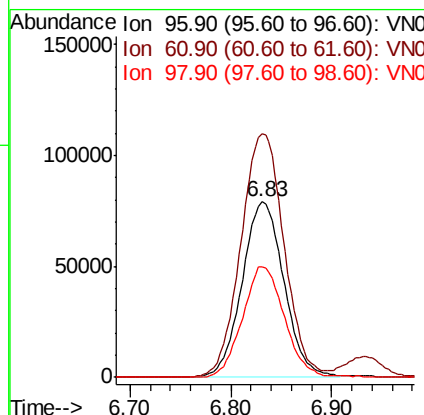
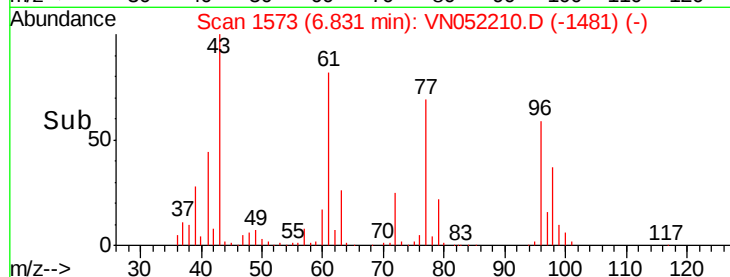


Abundance Ion 95.90 (95.60 to 96.60): VN052210.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN052210.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN052210.D (-1549) (-)

Time-->



#28

Bromochloromethane

Concen: 51.982 ug/l

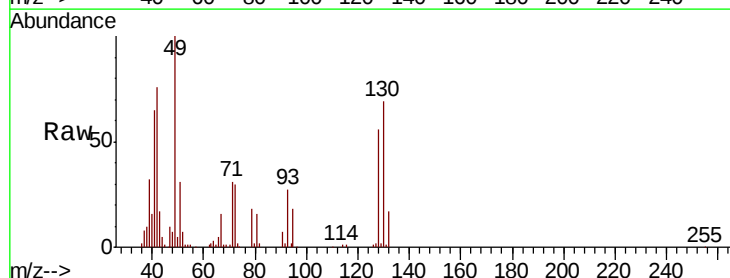
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Tgt Ion:	49	Resp:	186299
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	73.1	59.8	89.6

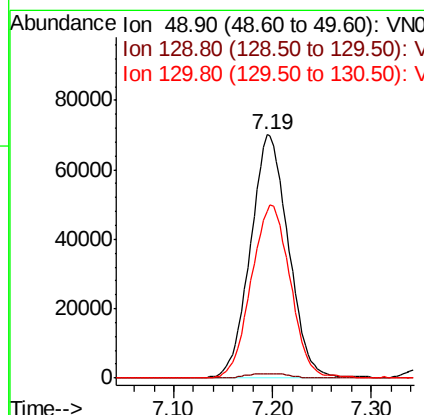
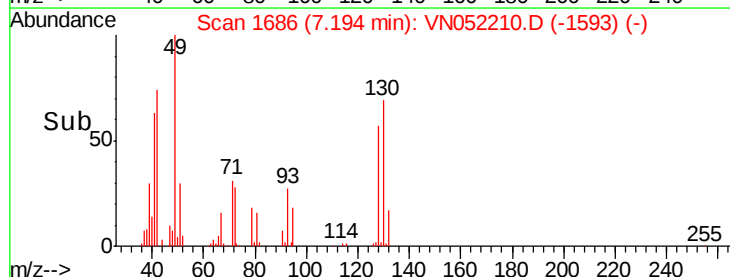


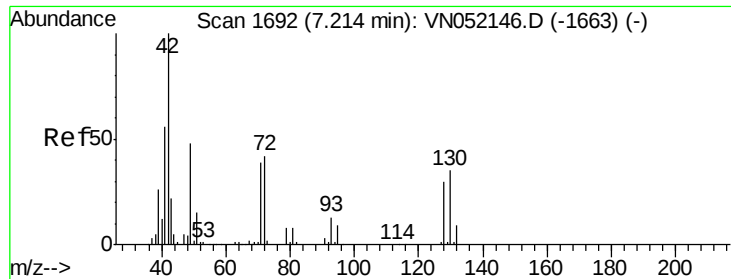
Abundance Ion 48.90 (48.60 to 49.60): VN052210.D (-1666) (-)

Ion 128.80 (128.50 to 129.50): VN052210.D (-1666) (-)

Ion 129.80 (129.50 to 130.50): VN052210.D (-1666) (-)

Time-->





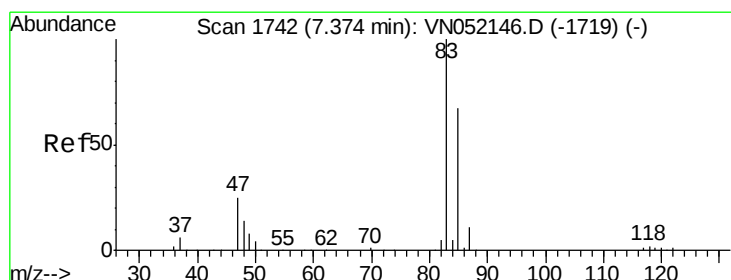
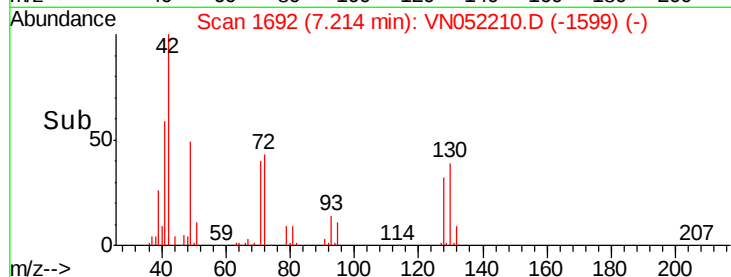
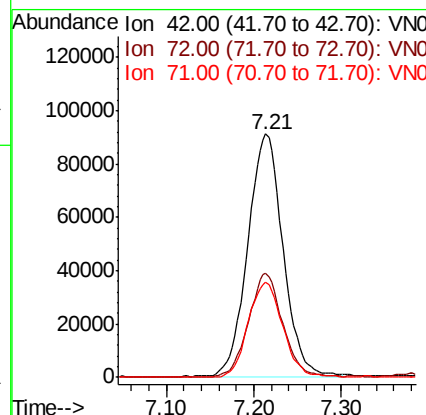
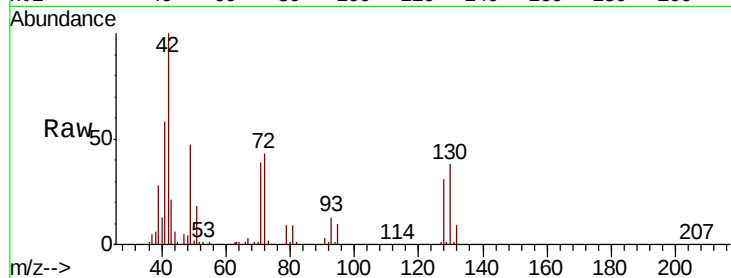
#29
Tetrahydrofuran
Concen: 248.847 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.3	48.5
71	38.7	31.0	46.6

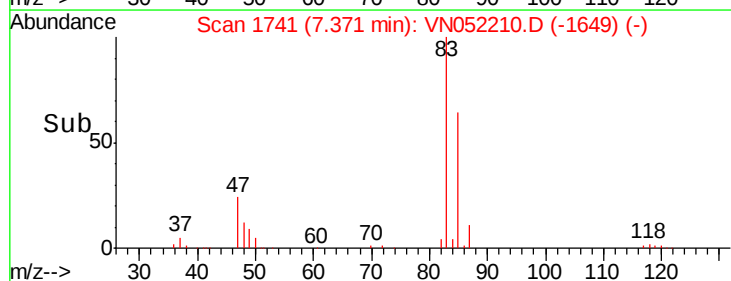
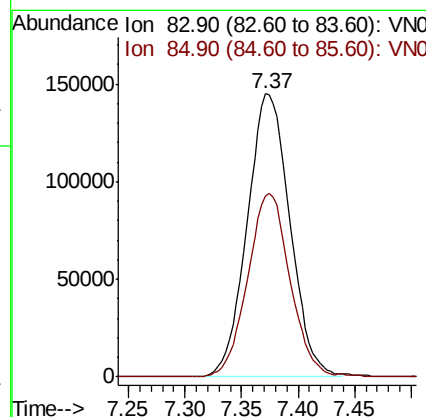
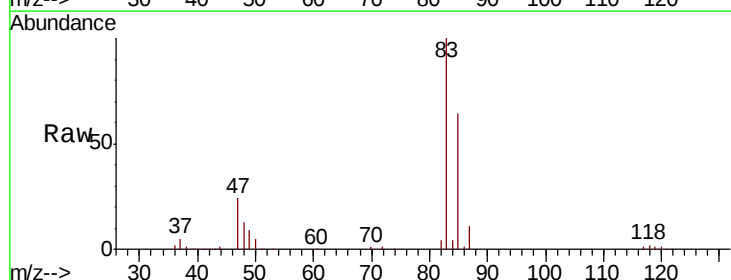
Manual Integrations
APPROVED

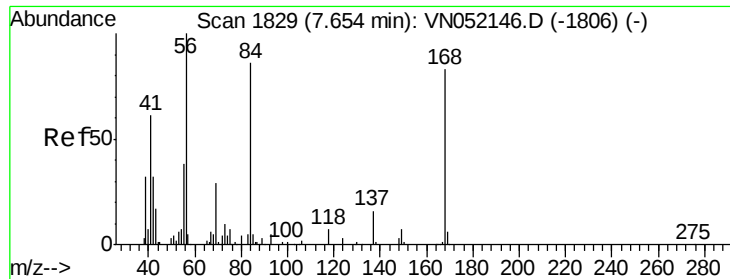
MMDadoda
11/9/2018 10:39:41 AM



#30
Chloroform
Concen: 50.427 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.7	80.5





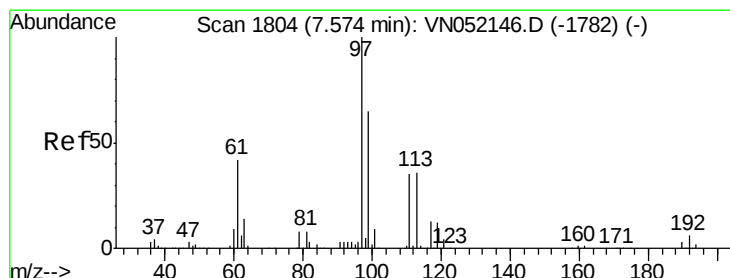
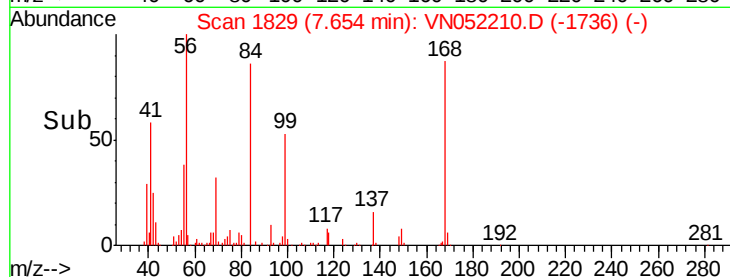
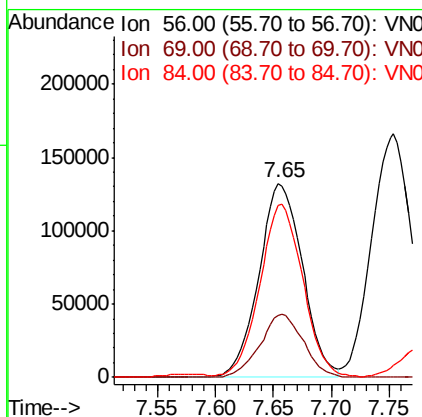
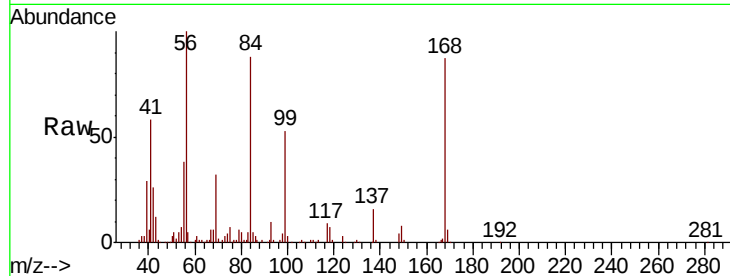
#31
Cyclohexane
Concen: 49.374 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.1	23.5	35.3	
84	86.8	68.7	103.1	

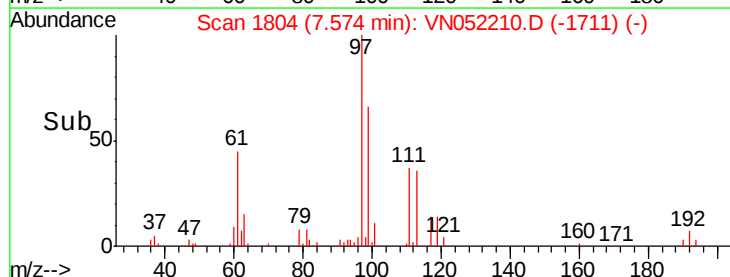
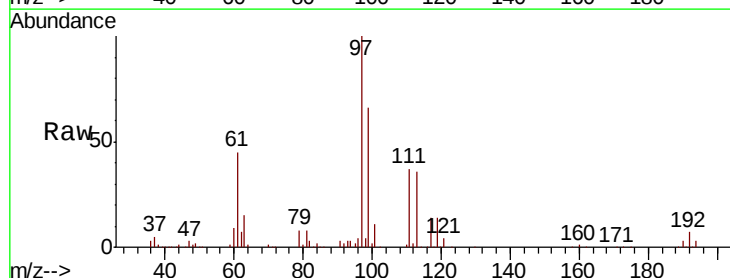
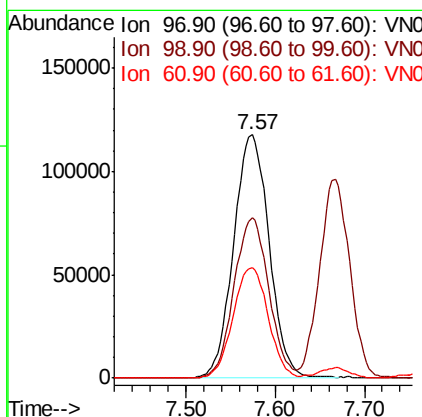
Manual Integrations
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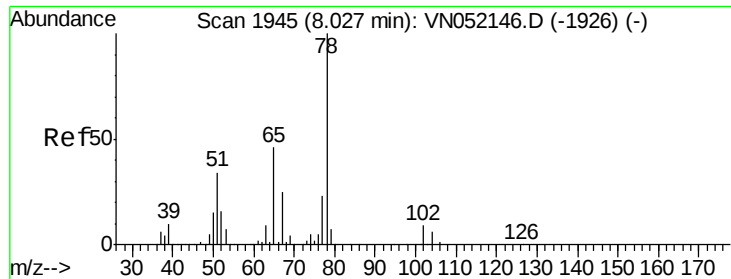
MMDadoda
11/9/2018 10:39:41 AM



#32
1,1,1-Trichloroethane
Concen: 48.930 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	51.6	77.4	
61	45.0	35.1	52.7	





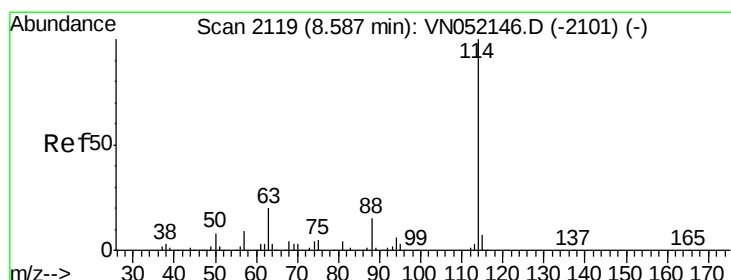
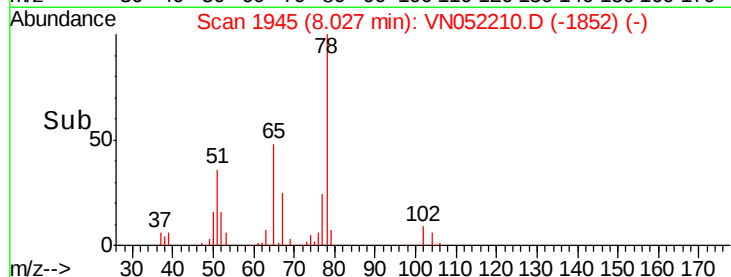
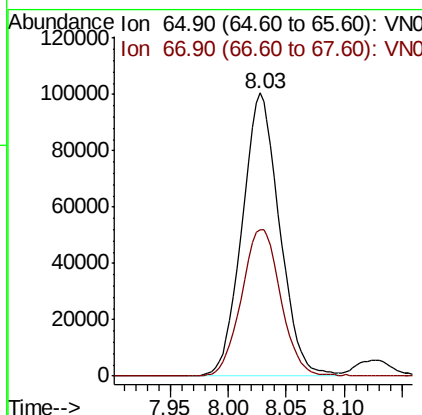
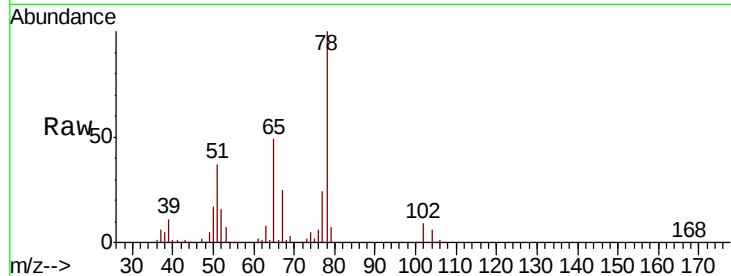
#33
 1,2-Dichloroethane-d4
 Concen: 48.930 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	225560		
67	54.4	0.0	107.6	

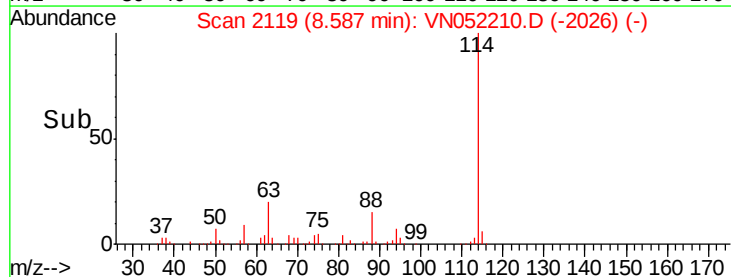
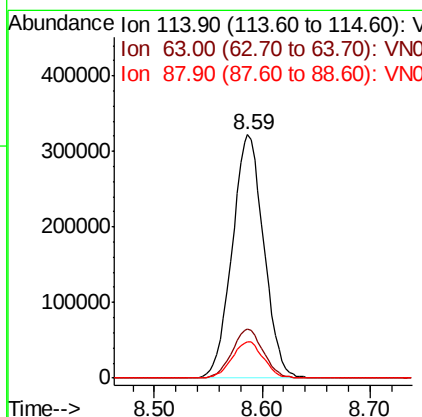
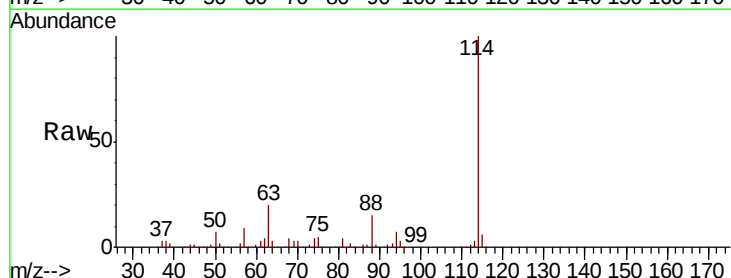
Manual Integrations
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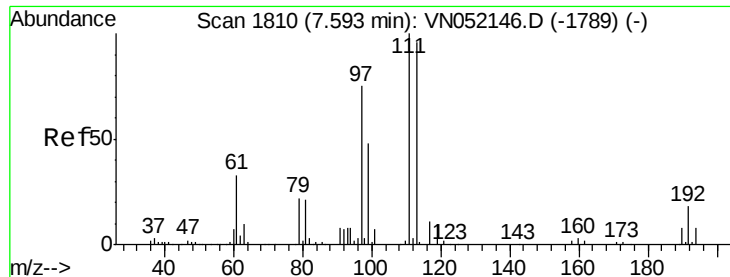
MMDadoda
 11/9/2018 10:39:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	657062		
63	20.3	0.0	40.0	
88	15.1	0.0	31.0	





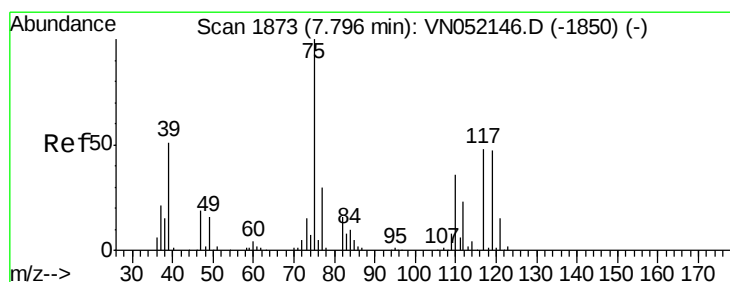
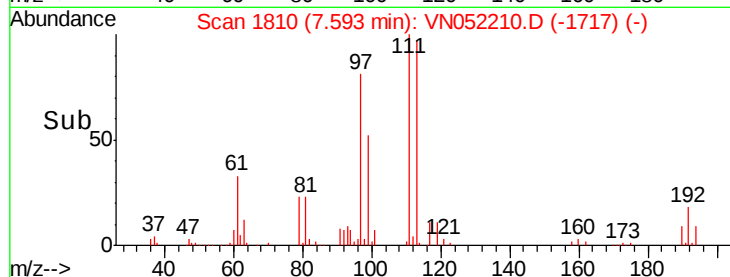
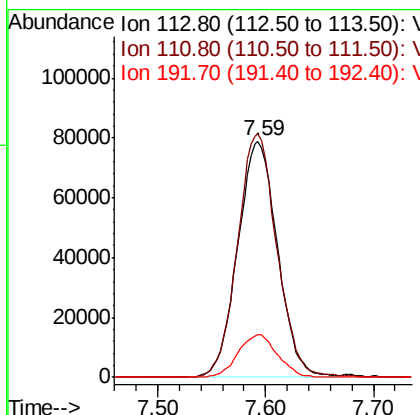
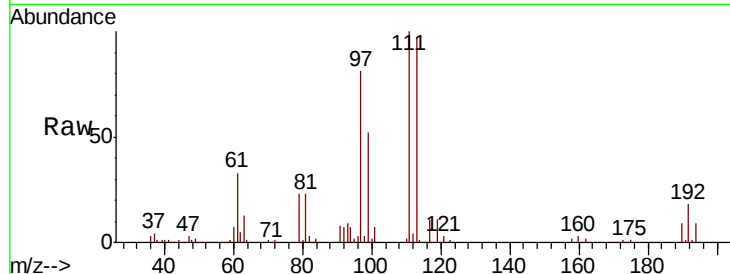
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	201383		
111	102.3	81.7	122.5	
192	17.9	14.2	21.4	

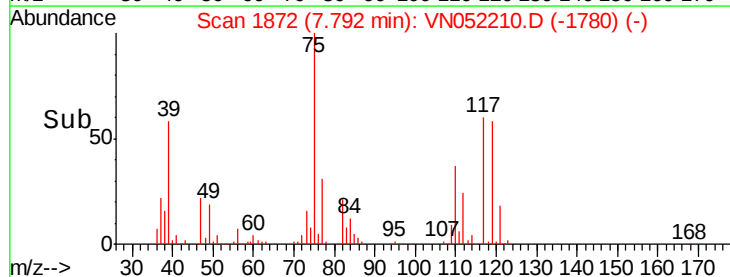
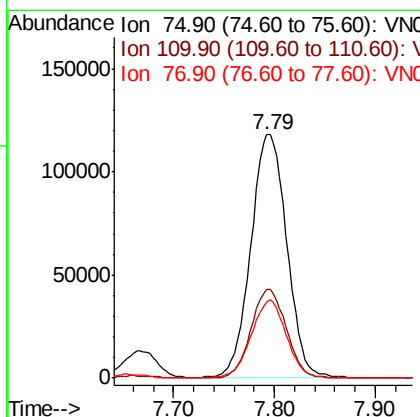
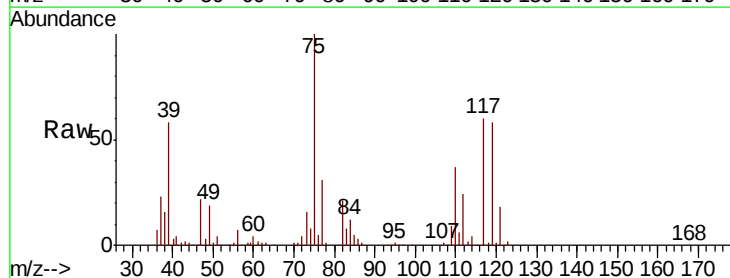
Manual Integrations
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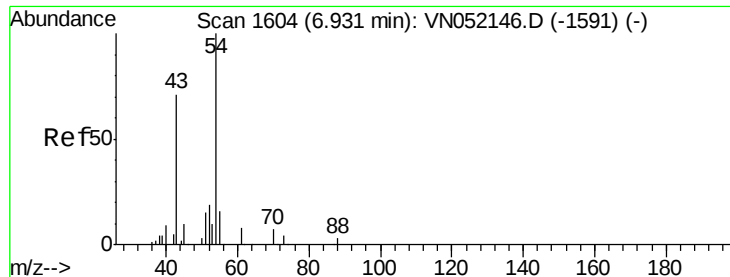
MMDadoda
11/9/2018 10:39:41 AM



#36
1,1-Dichloropropene
Concen: 50.098 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	291196		
110	35.8	17.8	53.5	
77	31.5	24.0	36.0	





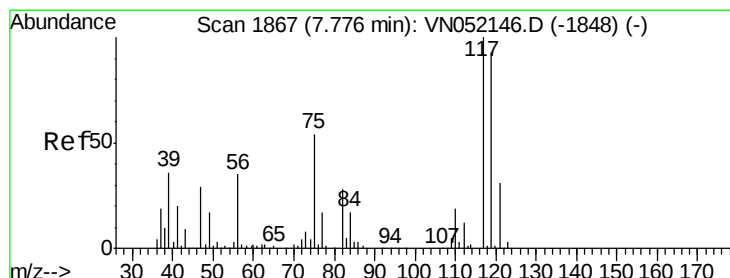
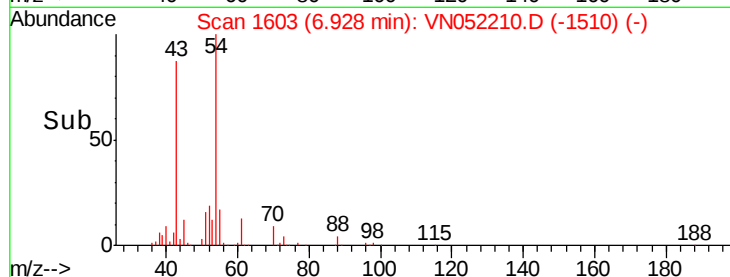
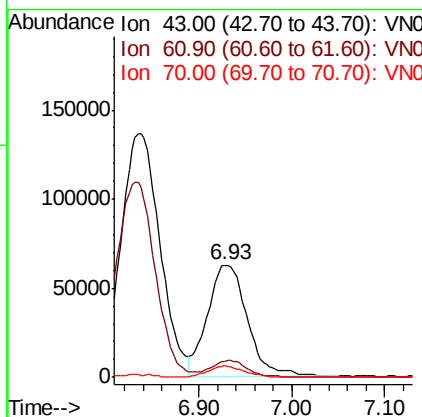
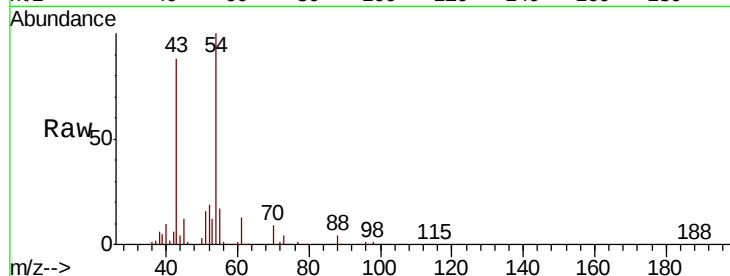
#37
Ethyl Acetate
Concen: 52.041 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.9	9.4	14.2	
70	8.8	7.6	11.4	

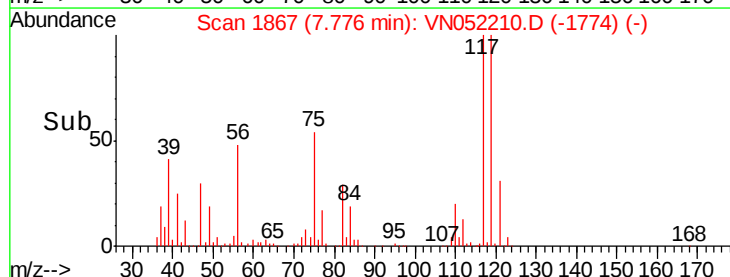
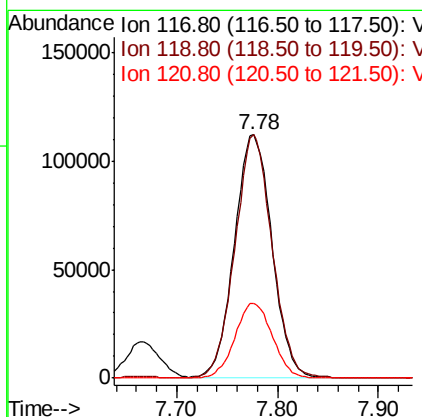
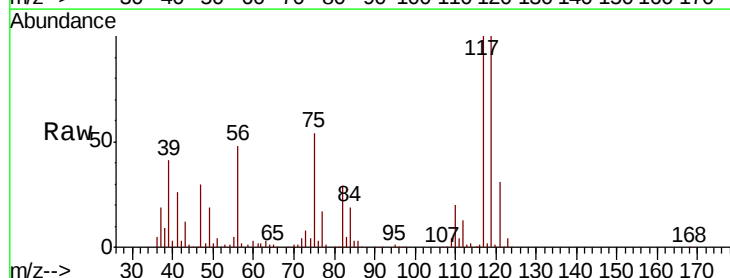
Manual Integrations
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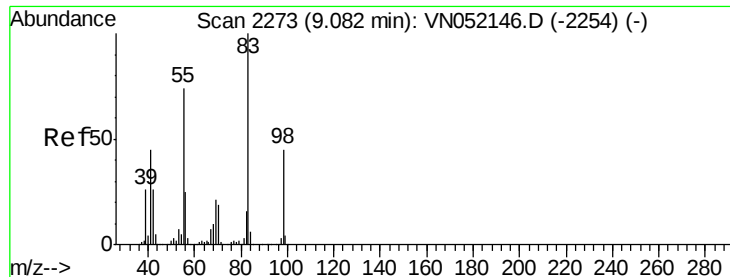
MMDadoda
11/9/2018 10:39:41 AM



#38
Carbon Tetrachloride
Concen: 49.731 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	100.1	74.7	112.1	
121	30.8	24.5	36.7	





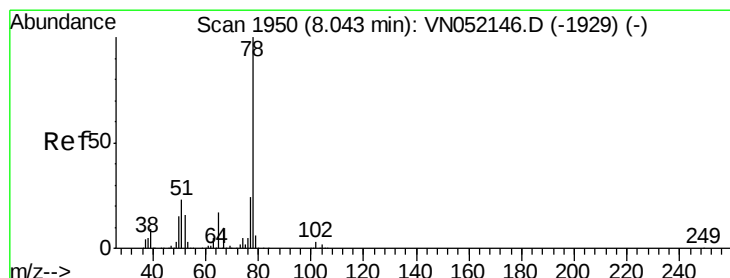
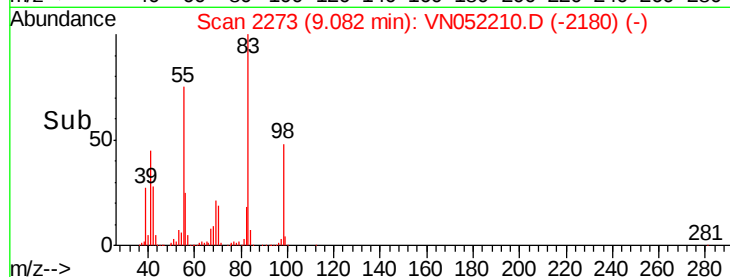
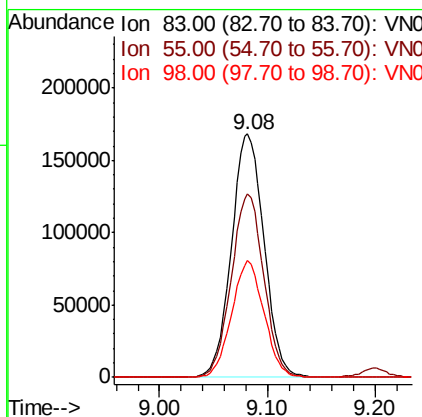
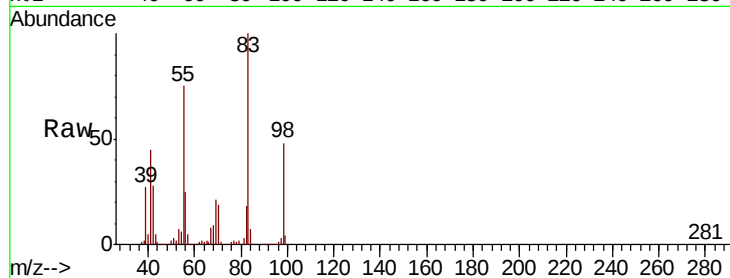
#39
Methvlcvclohexane
Concen: 51.437 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	59.4	89.2
98	48.0	36.3	54.5

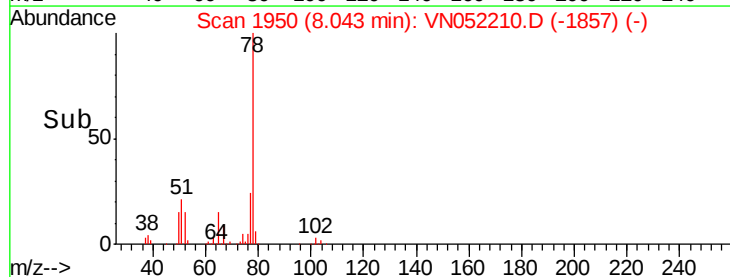
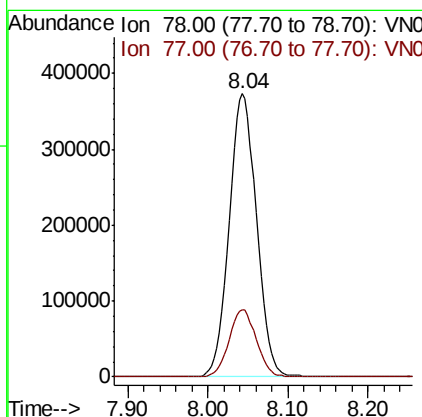
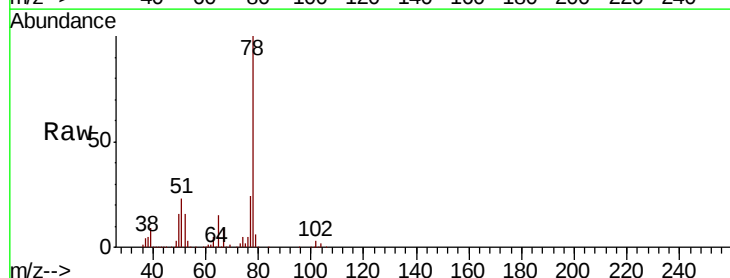
Manual Integrations
APPROVED

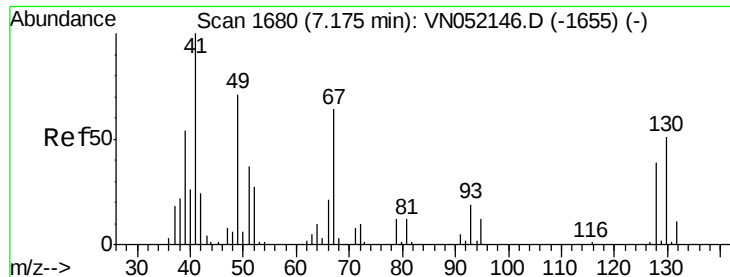
MMDadoda
11/9/2018 10:39:41 AM



#40
Benzene
Concen: 50.547 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





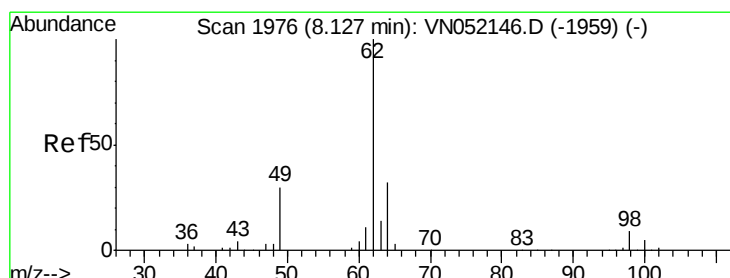
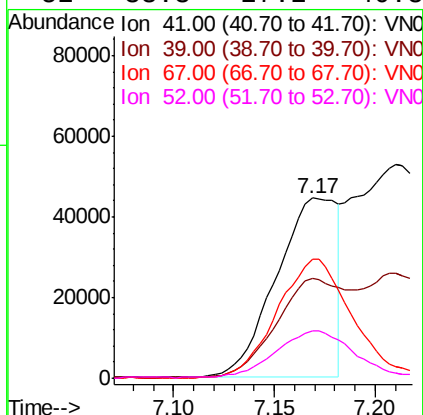
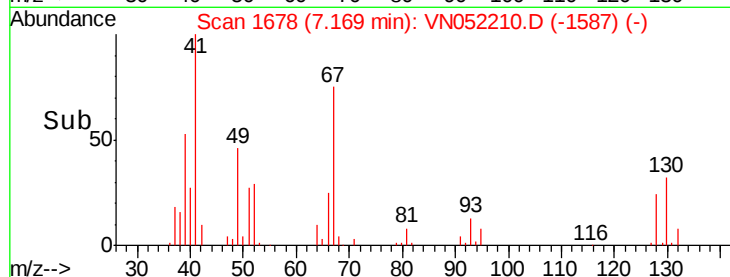
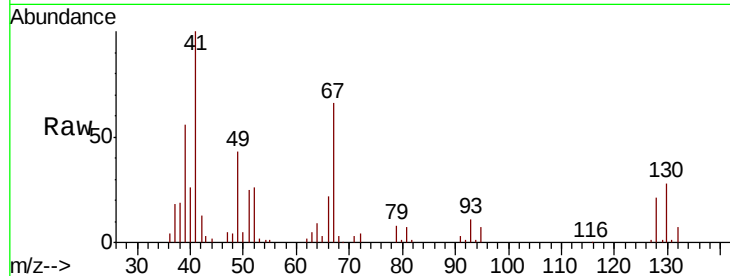
#41
Methacrylonitrile
Concen: 46.340 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	92832
Ion Ratio	Lower	Upper	
41	100		
39	62.8	49.6	74.4
67	83.0	65.4	98.2
52	33.3	27.2	40.8

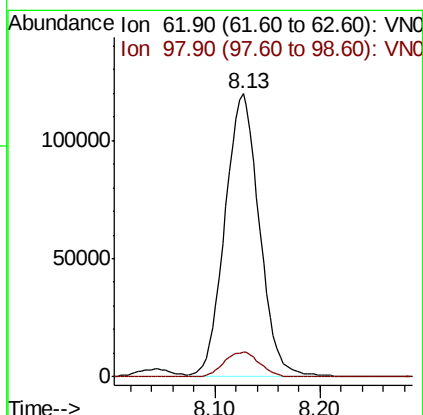
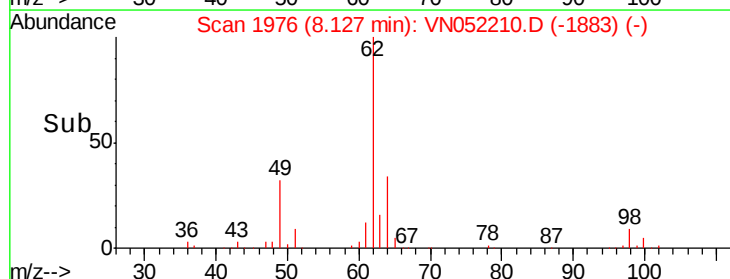
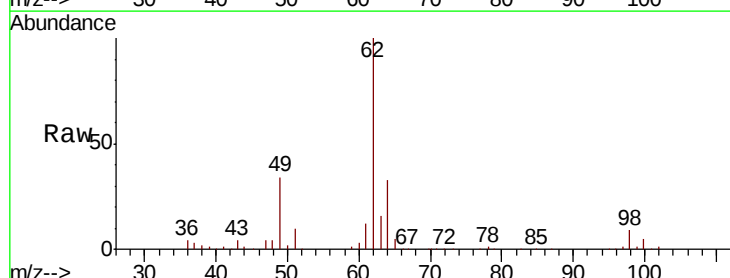
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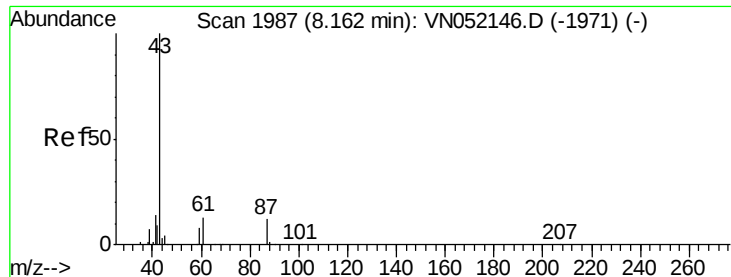
MMDadoda
11/9/2018 10:39:41 AM



#42
1,2-Dichloroethane
Concen: 49.214 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	62	Resp	270331
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 52.139 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

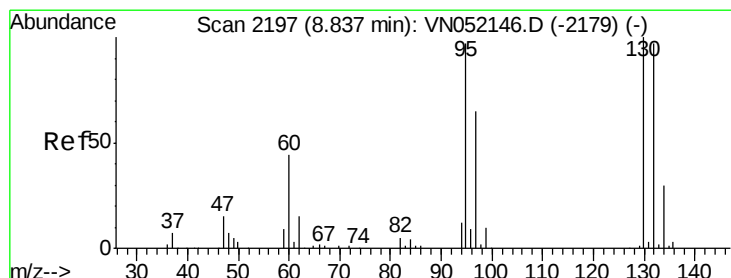
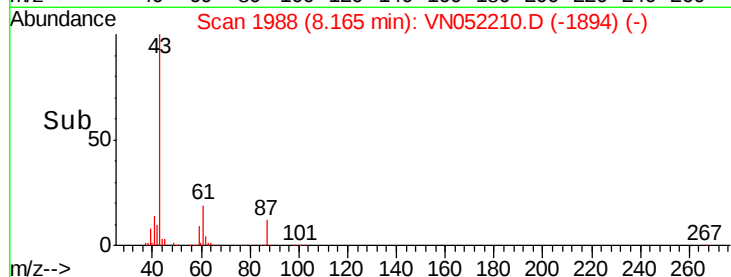
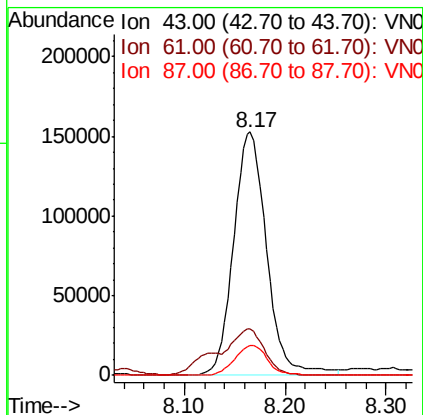
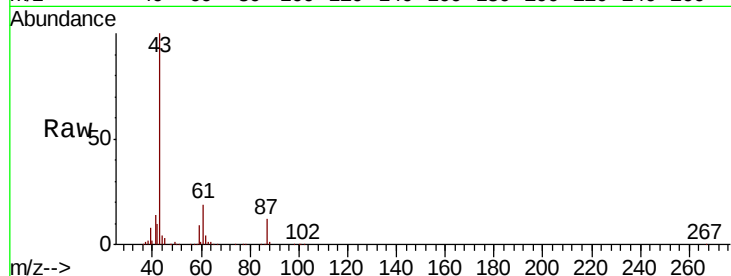
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	345798
Ion	Ratio	Lower	Upper
43	100		
61	19.2	21.5	32.3#
87	12.2	10.2	15.2

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#44

Trichloroethene

Concen: 49.984 ug/l

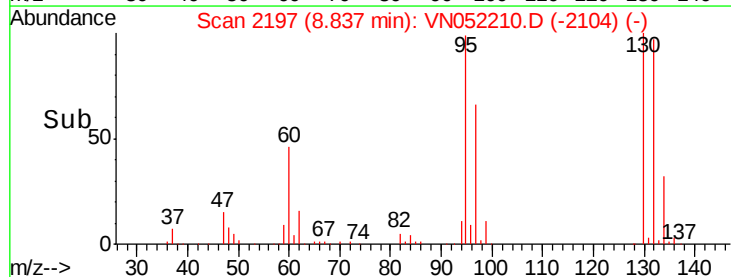
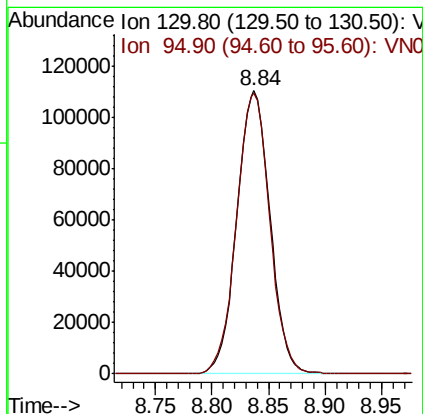
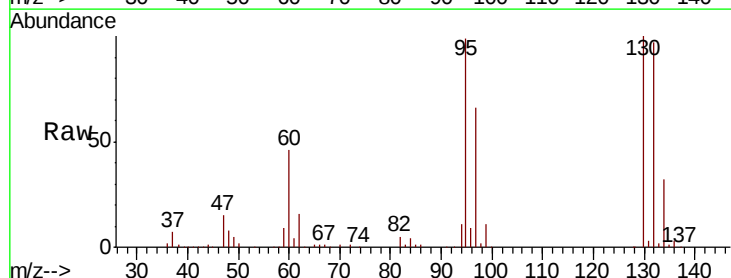
RT: 8.84 min Scan# 2197

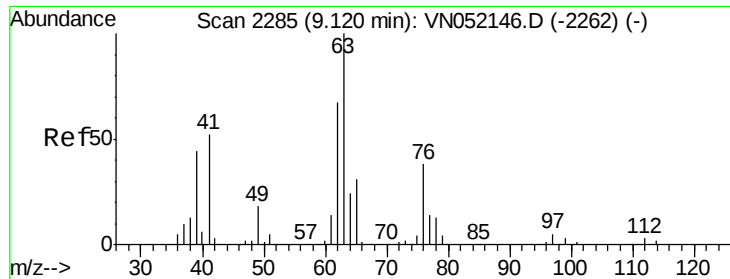
Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Tgt Ion:	130	Resp:	226125
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	193.8





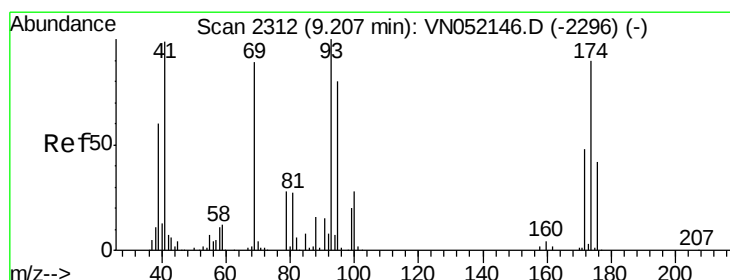
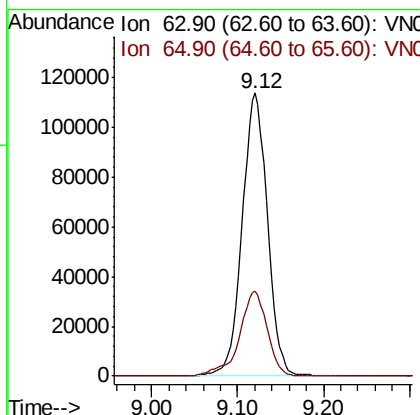
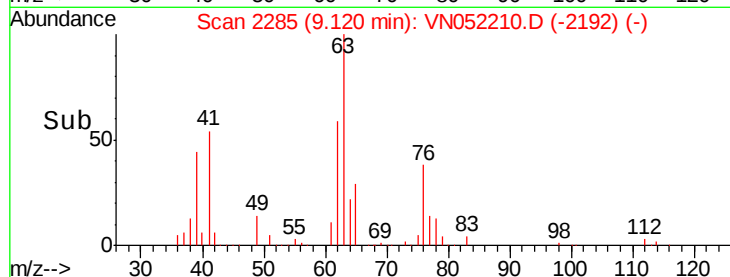
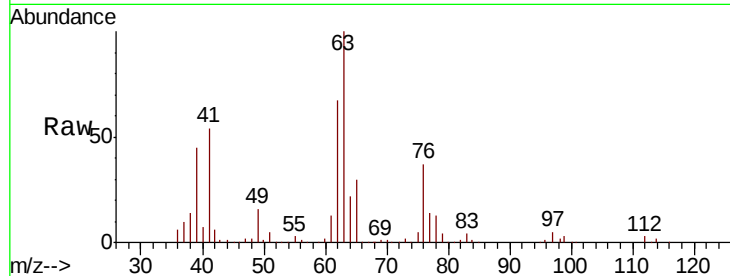
#45
 1,2-Dichloropropane
 Concen: 51.379 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 232502
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.4 36.6

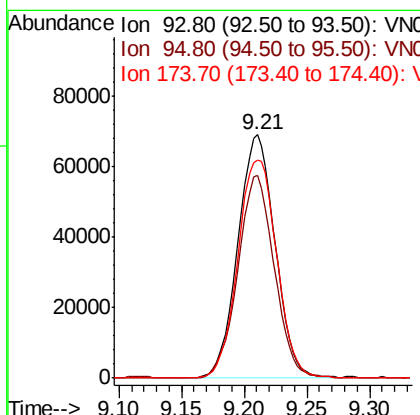
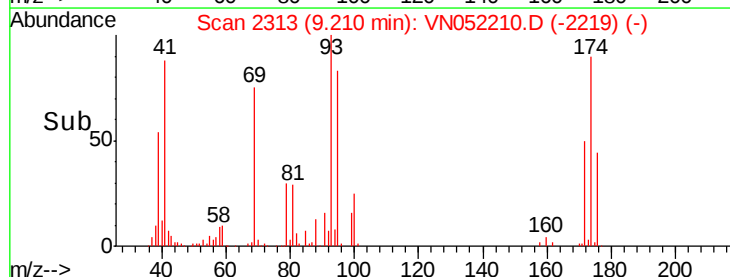
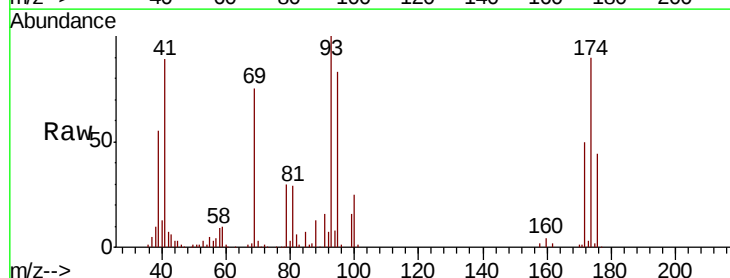
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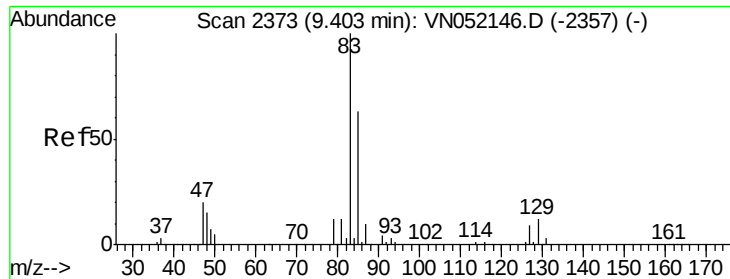
MMDadoda
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#46
 Dibromomethane
 Concen: 49.420 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Tgt Ion: 93 Resp: 142225
 Ion Ratio Lower Upper
 93 100
 95 81.6 64.5 96.7
 174 93.7 74.6 112.0





#47

Bromodichloromethane

Concen: 51.907 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

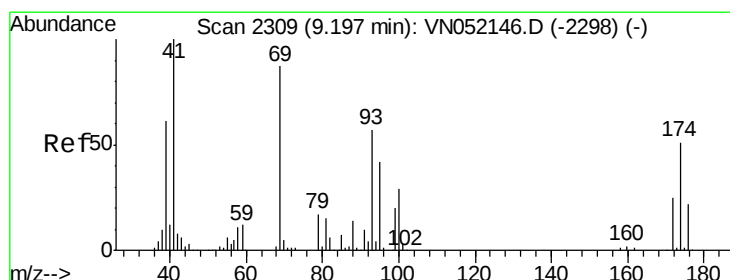
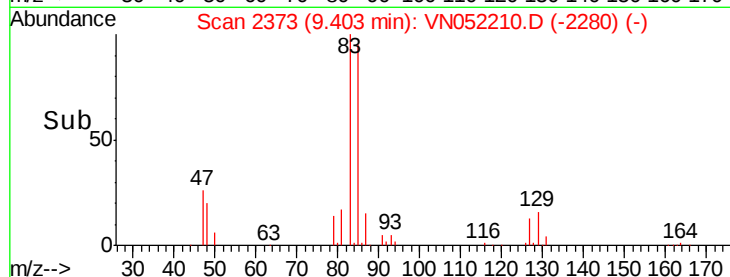
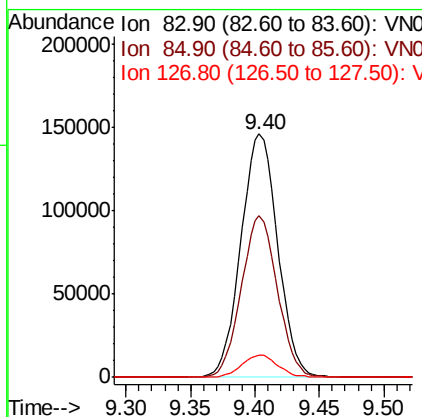
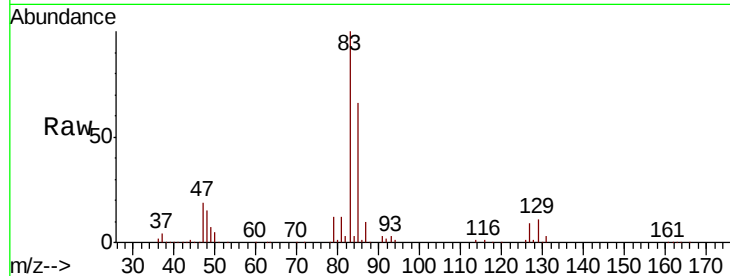
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	291338
Ion Ratio	Lower	Upper	
83	100		
85	66.2	50.5	75.7
127	8.9	7.2	10.8

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#48

Methyl methacrylate

Concen: 52.483 ug/l

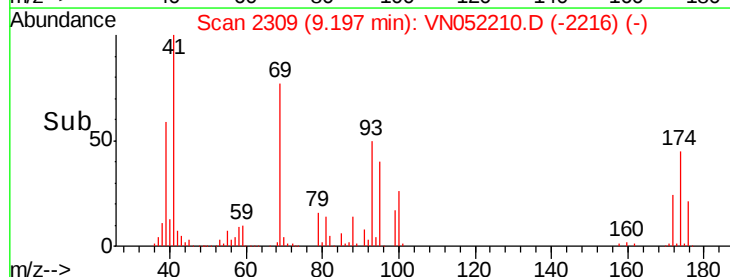
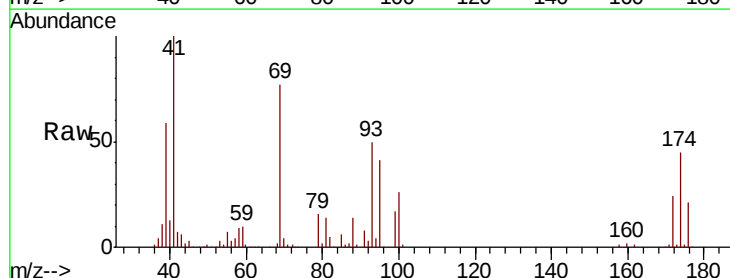
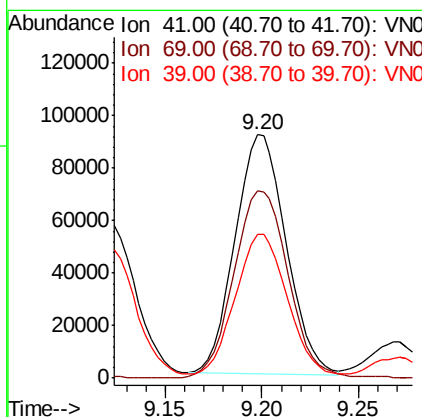
RT: 9.20 min Scan# 2309

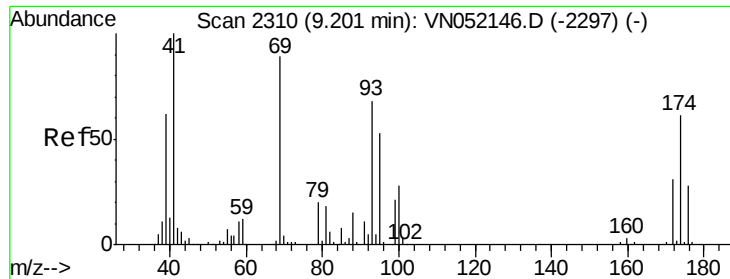
Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Tgt Ion:	41	Resp:	167527
Ion Ratio	Lower	Upper	
41	100		
69	83.4	69.7	104.5
39	61.8	50.6	76.0





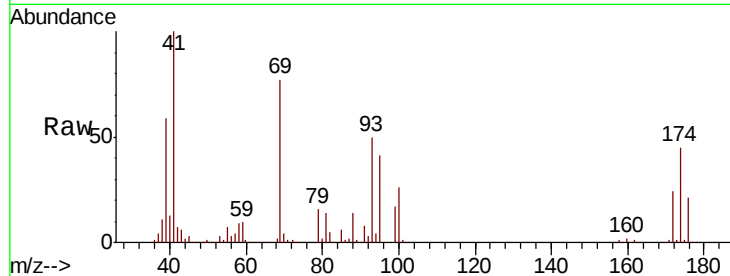
#49
1,4-Dioxane
Concen: 983.786 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

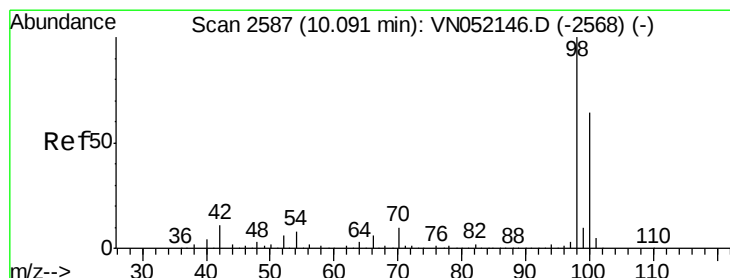
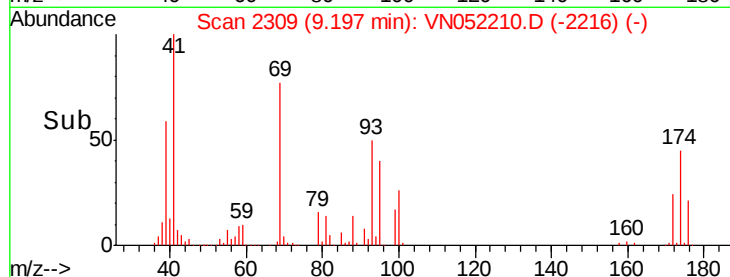
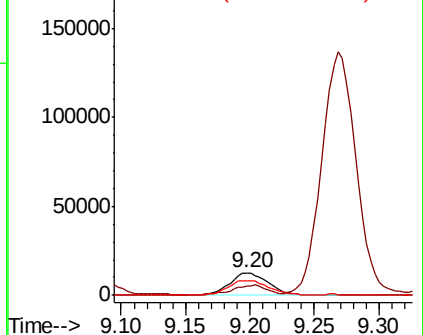
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	33.0	49.6
58	70.4	58.6	88.0

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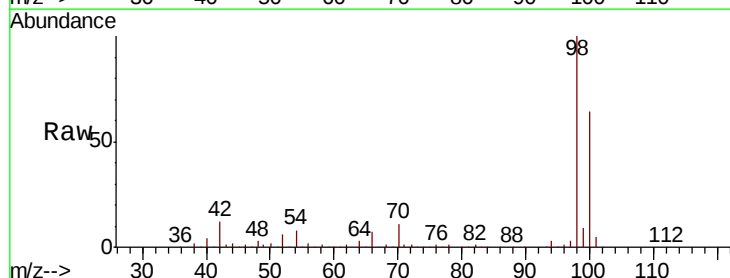


Abundance Ion 88.00 (87.70 to 88.70): VN052210.D (-2297) (-)
Ion 43.00 (42.70 to 43.70): VN052210.D (-2297) (-)
Ion 58.00 (57.70 to 58.70): VN052210.D (-2297) (-)

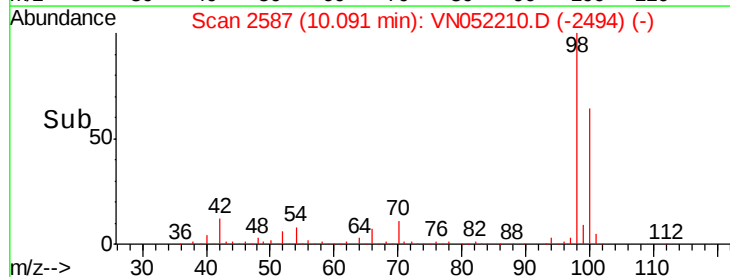
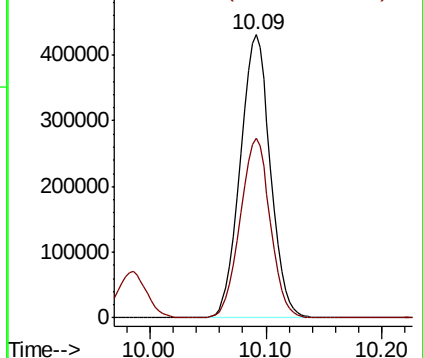


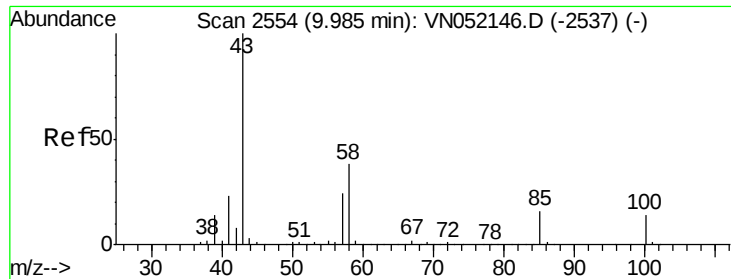
#50
Toluene-d8
Concen: 983.786 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.5	75.7



Abundance Ion 98.00 (97.70 to 98.70): VN052210.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN052210.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 260.501 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 912746

Ion Ratio Lower Upper

43 100

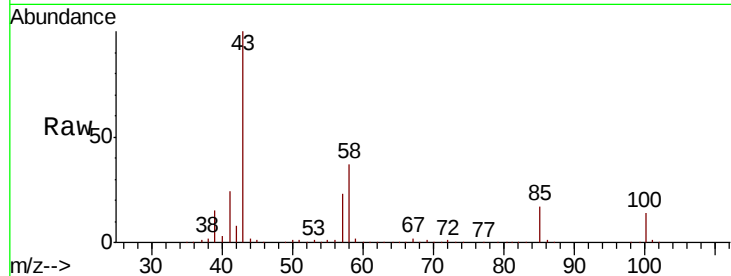
58 36.9 29.6 44.4

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Abundance Ion 43.00 (42.70 to 43.70): VN052210.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052210.D (-2537) (-)

9.99

500000

400000

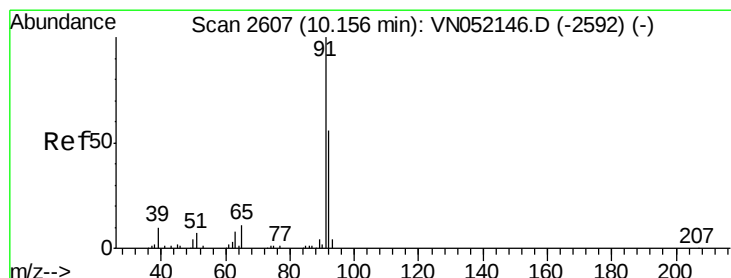
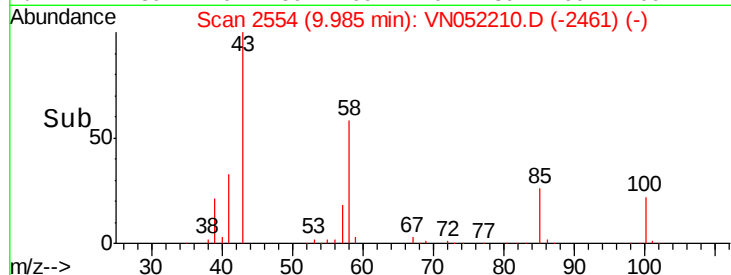
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.791 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052210.D

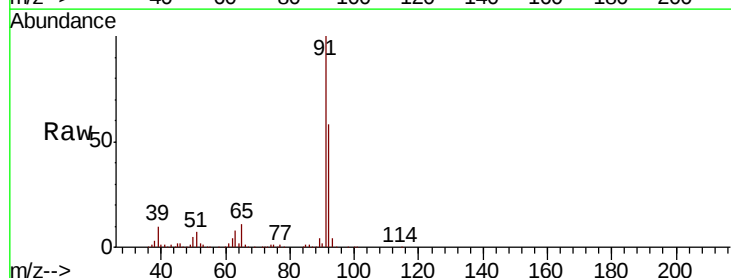
Acq: 7 Nov 2018 16:32

Tgt Ion: 92 Resp: 543958

Ion Ratio Lower Upper

92 100

91 173.5 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052210.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN052210.D (-2514) (-)

10.16

500000

400000

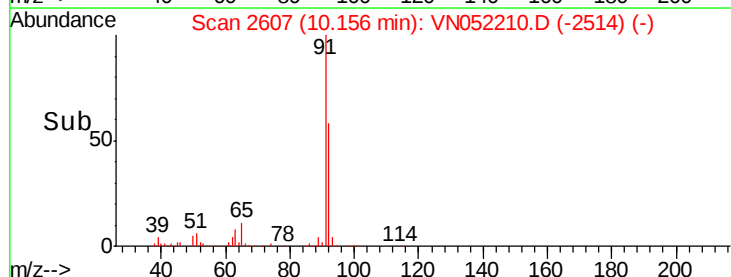
300000

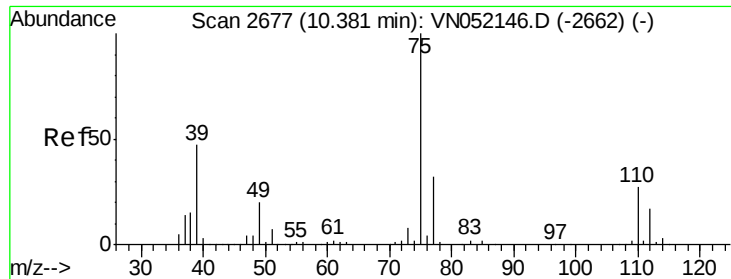
200000

100000

0

Time-->





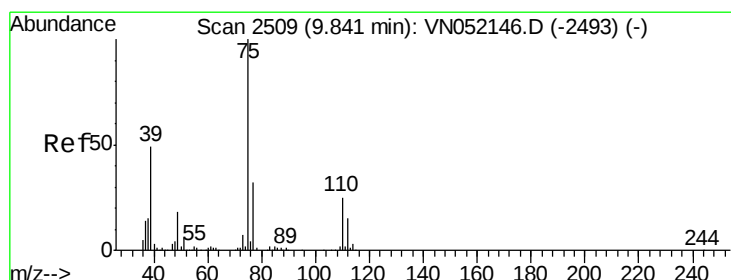
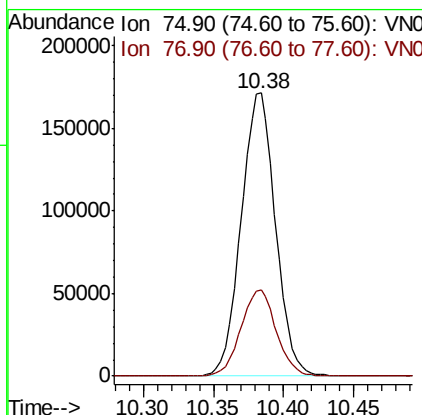
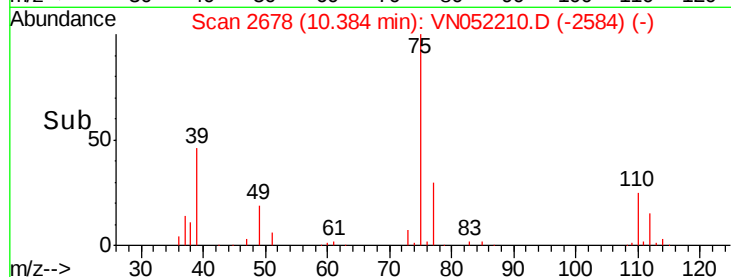
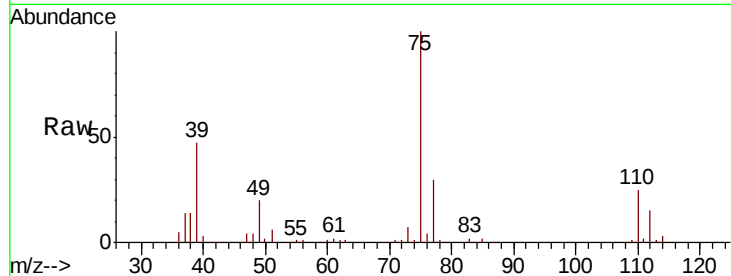
#53
t-1,3-Dichloropropene
Concen: 53.025 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 291956
Ion Ratio Lower Upper
75 100
77 30.1 25.8 38.6

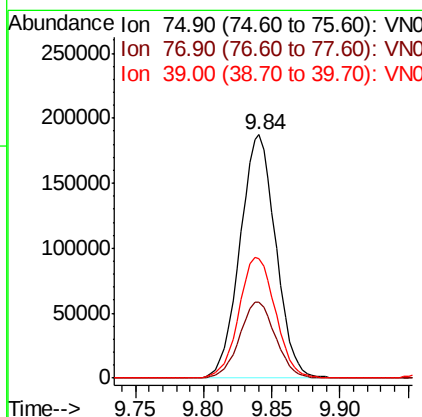
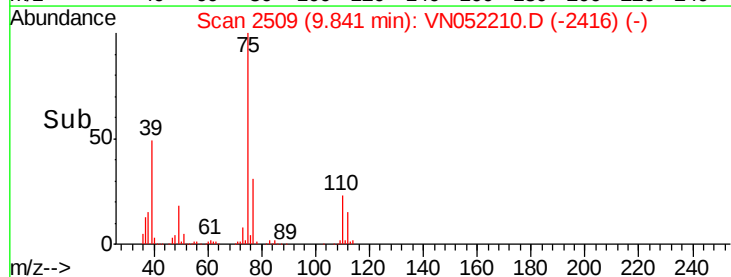
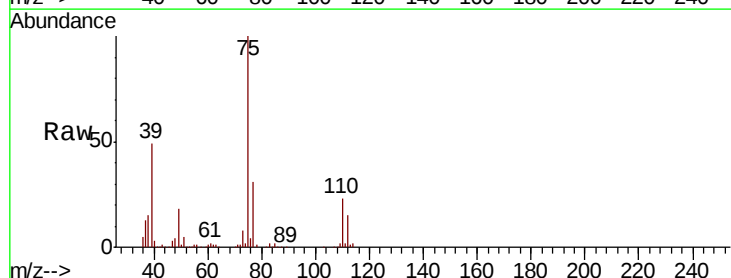
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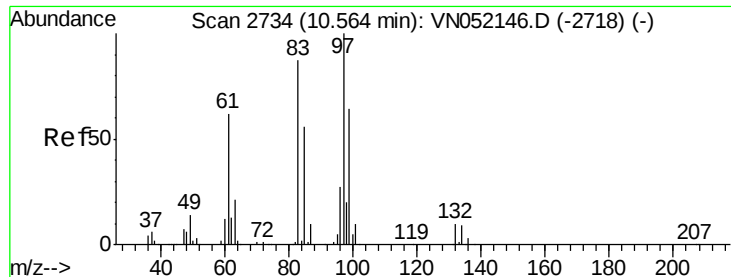
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#54
cis-1,3-Dichloropropene
Concen: 52.982 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion: 75 Resp: 341363
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.8
39 49.1 39.2 58.8





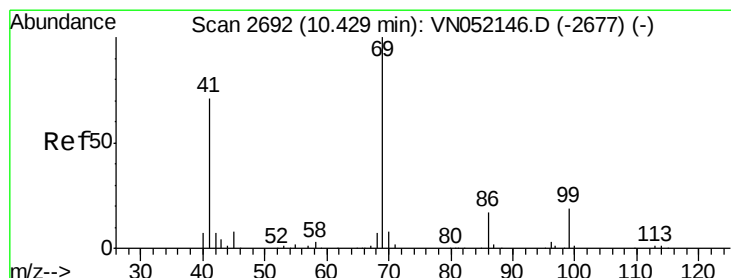
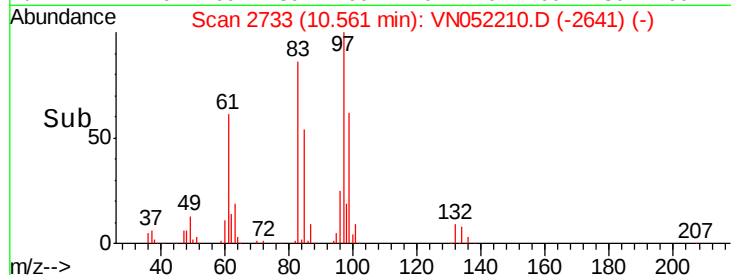
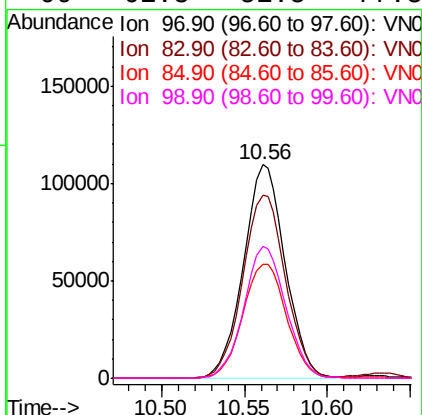
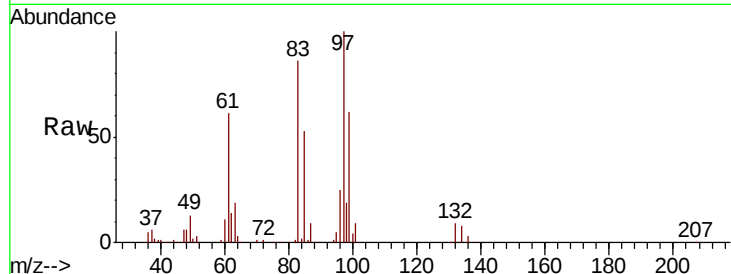
#55
 1,1,2-Trichloroethane
 Concen: 52.660 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	191306
Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.3	103.9
85	53.5	44.9	67.3
99	61.8	51.5	77.3

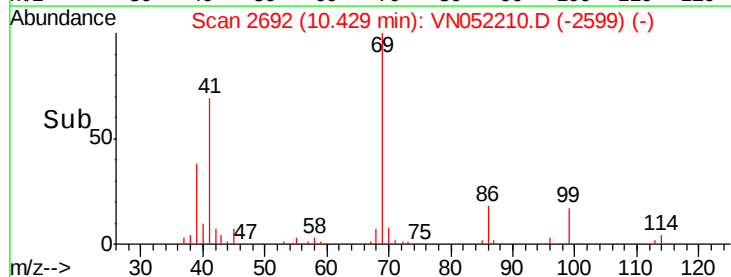
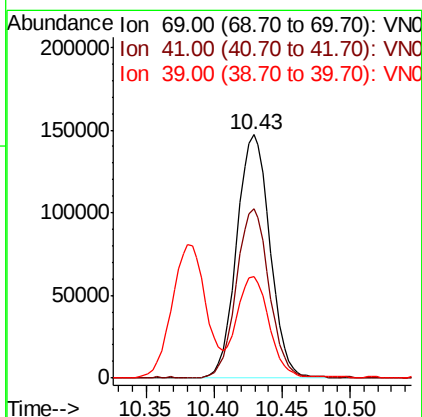
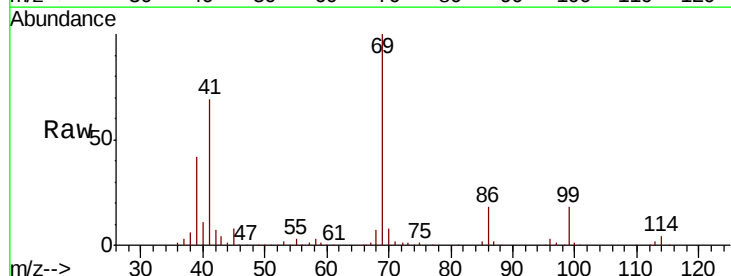
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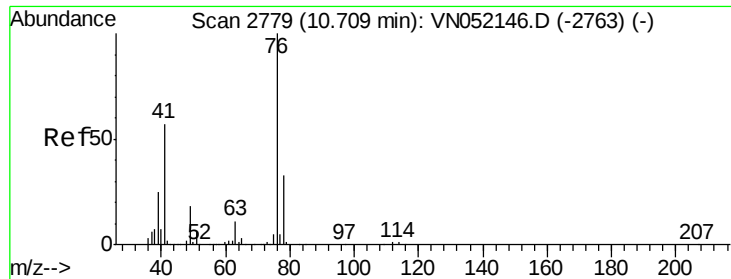
MMDadoda
 11/9/2018 10:39:41 AM



#56
 Ethyl methacrylate
 Concen: 52.773 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Tgt Ion:	69	Resp:	249894
Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.4	83.0
39	40.0	32.0	48.0





#57

1,3-Dichloropropane

Concen: 50.601 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 323847

Ion Ratio Lower Upper

76 100

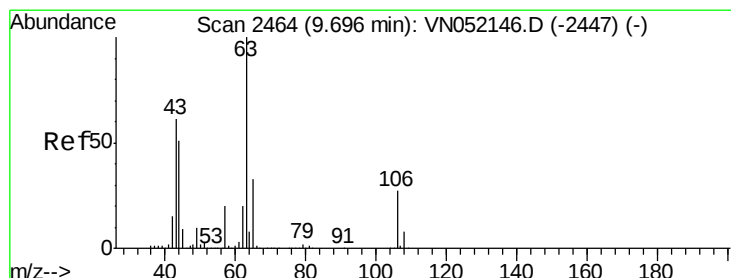
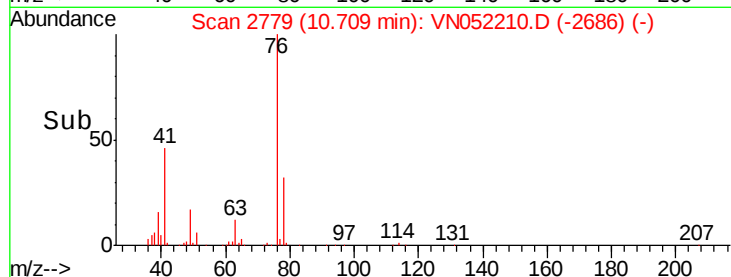
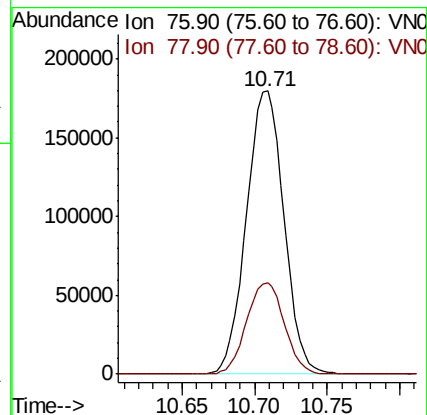
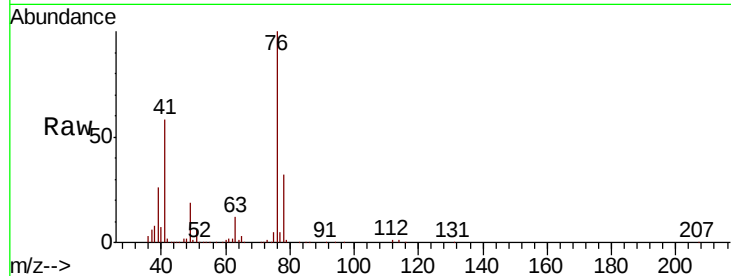
78 32.5 25.5 38.3

Manual Integrations

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11/9/2018 10:39:41 AM



#58

2-Chloroethyl Vinyl ether

Concen: 269.245 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052210.D

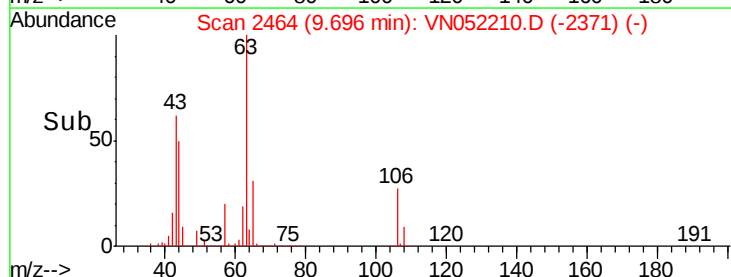
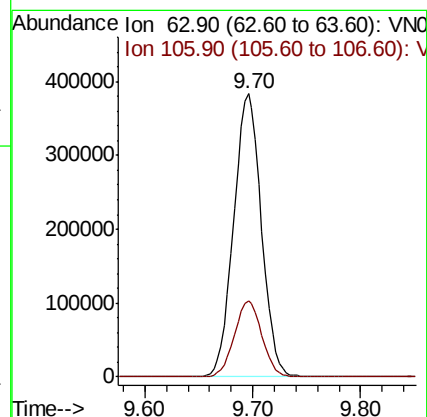
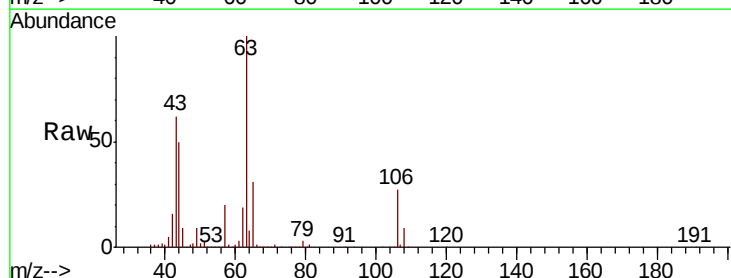
Acq: 7 Nov 2018 16:32

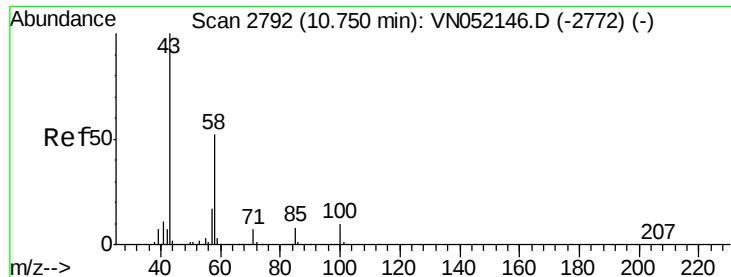
Tgt Ion: 63 Resp: 686145

Ion Ratio Lower Upper

63 100

106 26.7 21.0 31.4





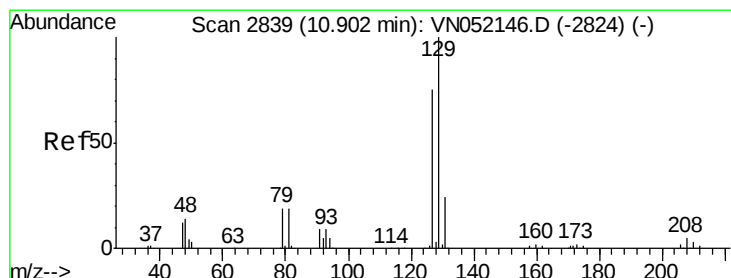
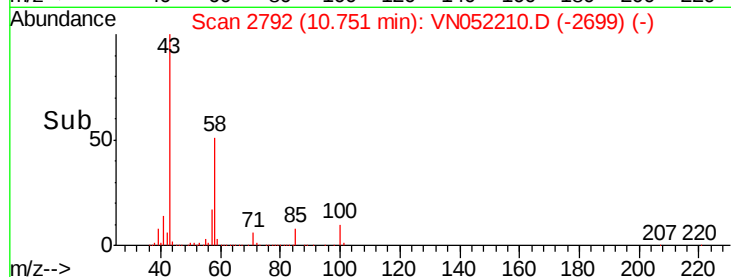
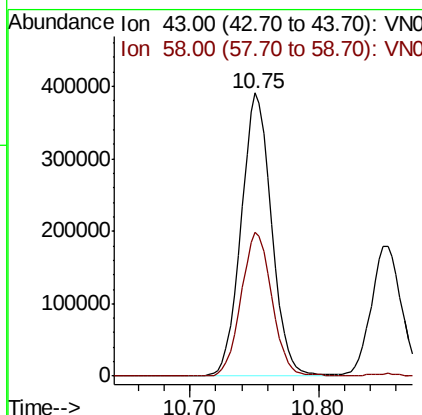
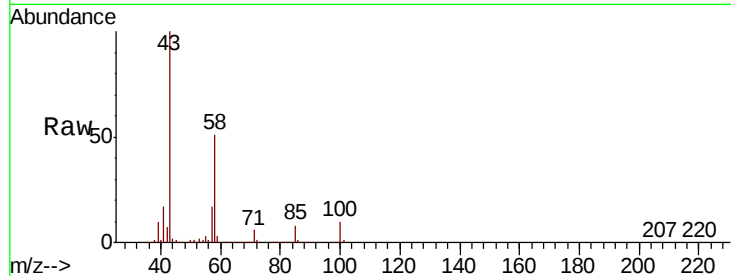
#59
2-Hexanone
Concen: 262.436 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 640102
Ion Ratio Lower Upper
43 100
58 51.6 25.8 77.4

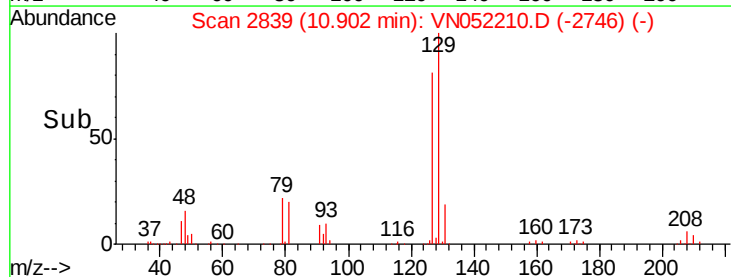
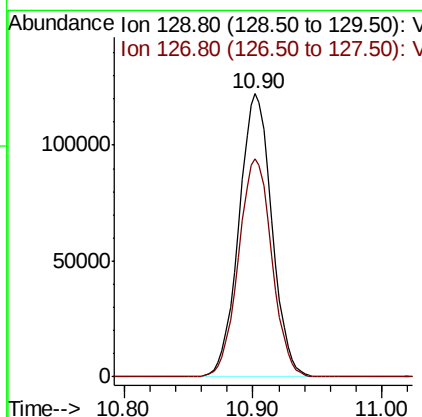
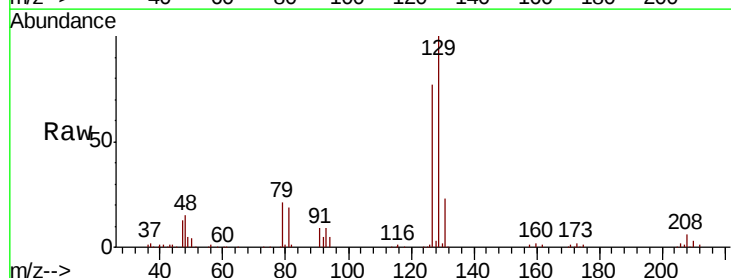
Manual Integrations
APPROVED

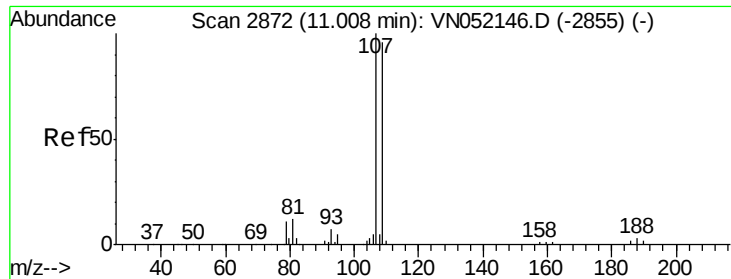
MMDadoda
11/9/2018 10:39:41 AM



#60
Dibromochloromethane
Concen: 52.522 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion: 129 Resp: 216988
Ion Ratio Lower Upper
129 100
127 78.1 38.0 114.1





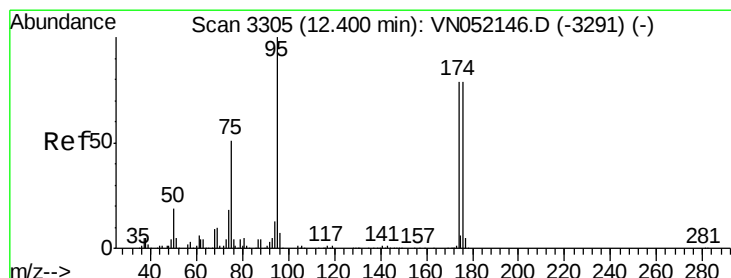
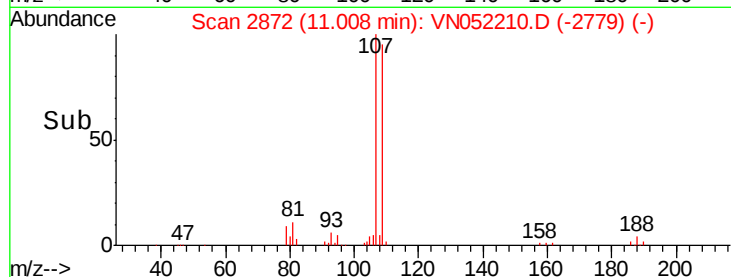
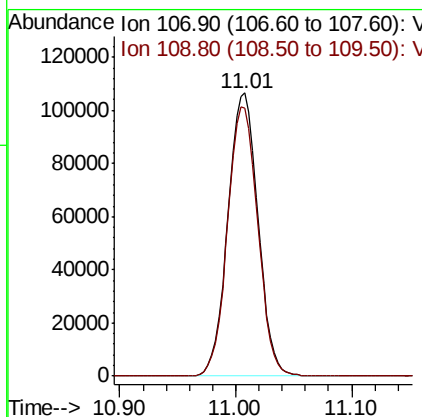
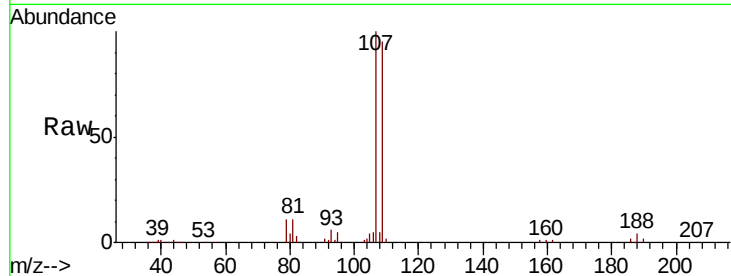
#61
 1,2-Dibromoethane
 Concen: 51.981 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.0	114.0

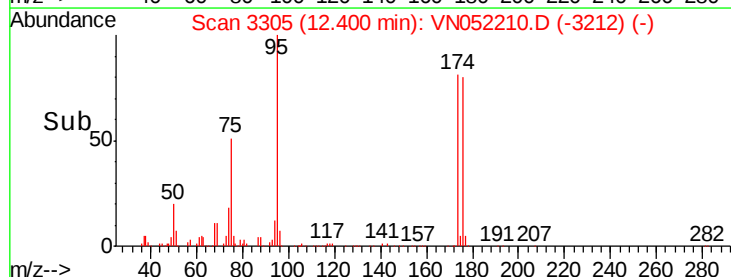
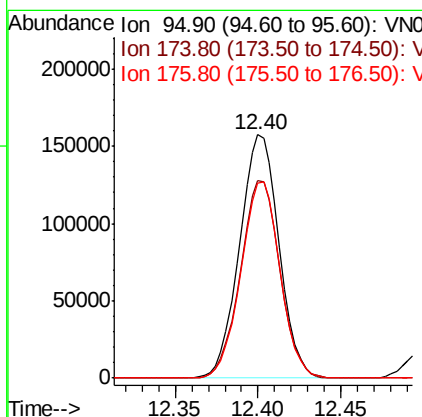
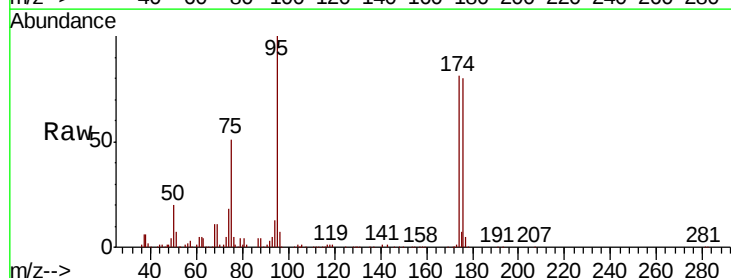
Manual Integrations
 APPROVED

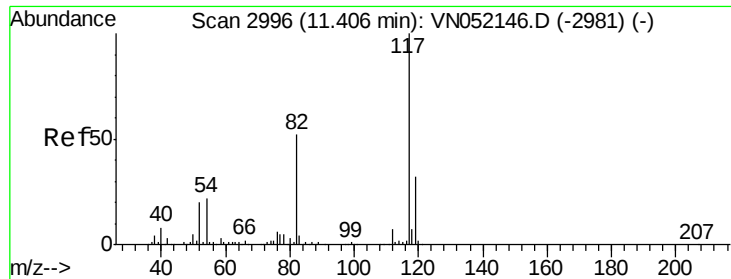
MMDadoda
 11/9/2018 10:39:41 AM



#62
 4-Bromofluorobenzene
 Concen: 51.981 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	162.6
176	80.0	0.0	155.4





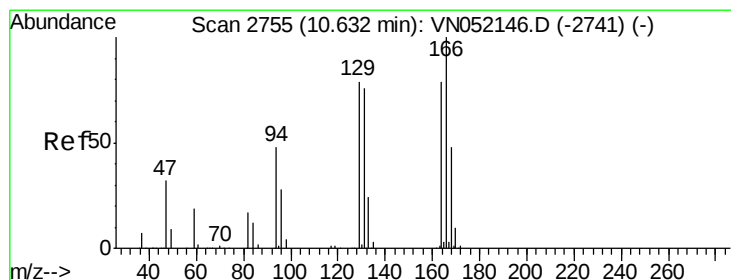
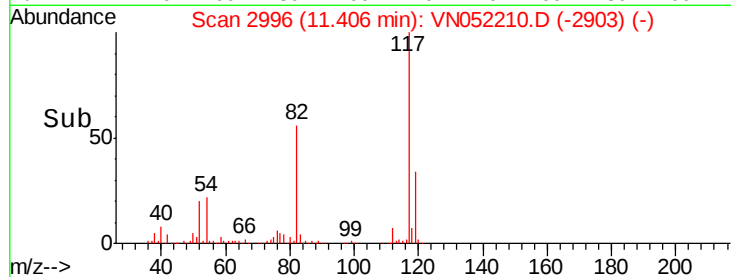
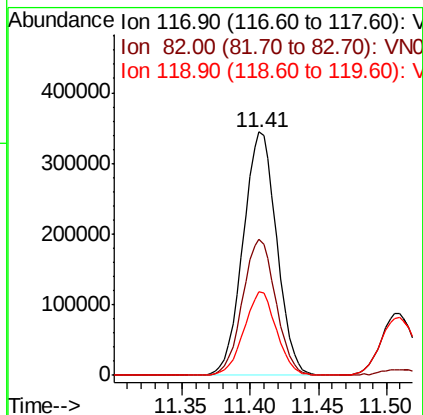
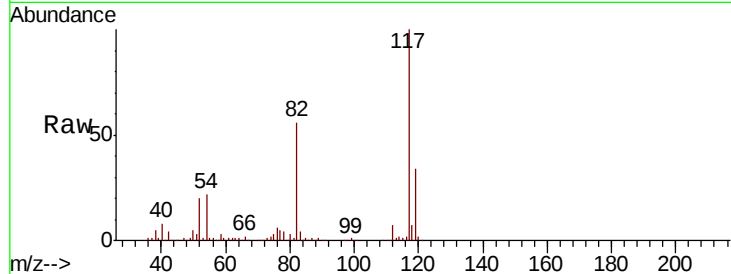
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	41.9	62.9
119	34.1	25.7	38.5

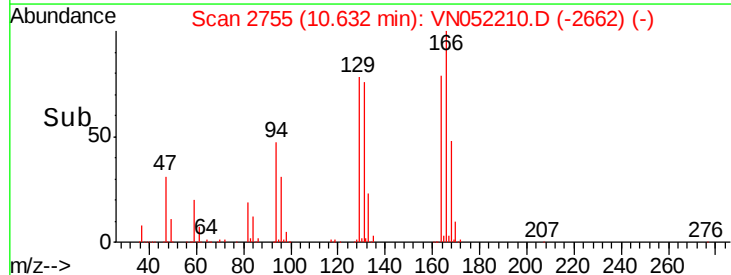
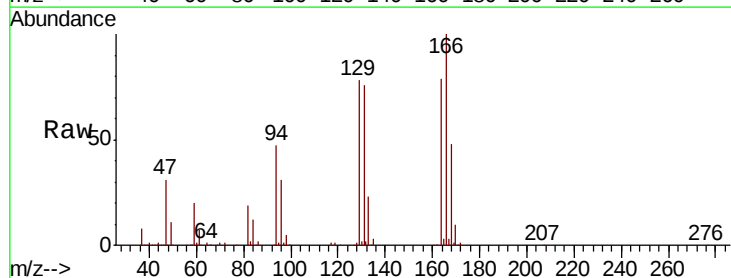
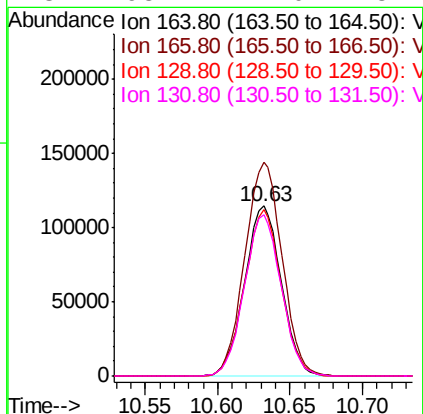
Manual Integrations
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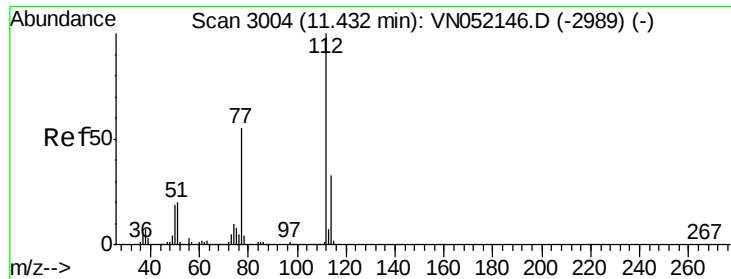
MMDadoda
11/9/2018 10:39:41 AM



#64
Tetrachloroethene
Concen: 52.992 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.8	151.2
129	97.7	79.1	118.7
131	95.2	77.0	115.4





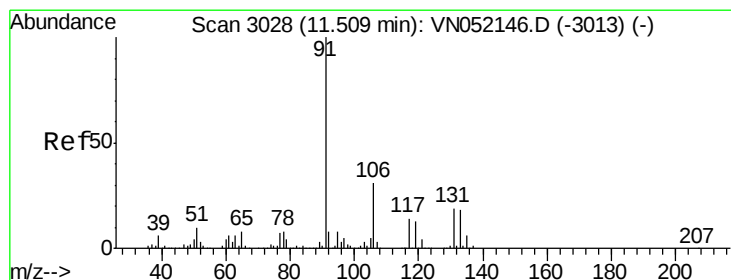
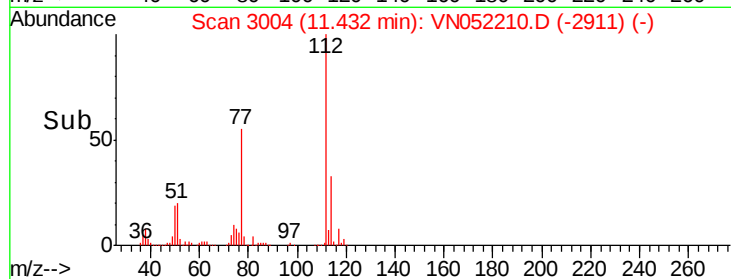
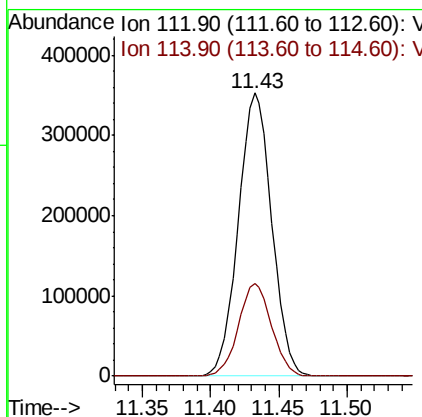
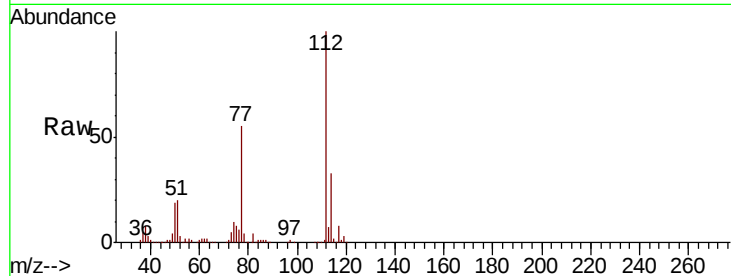
#65
Chlorobenzene
Concen: 49.834 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.2	39.4

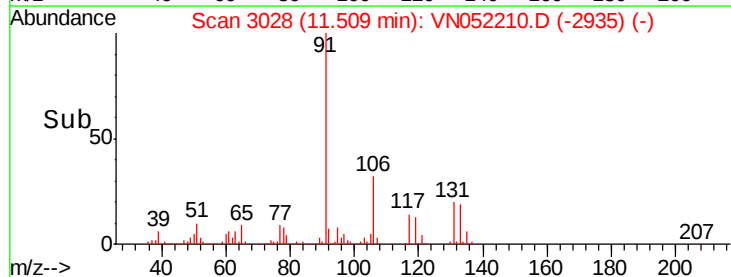
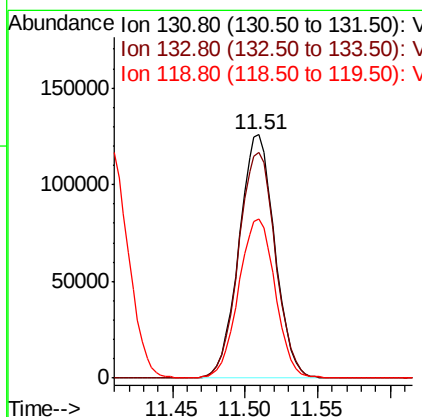
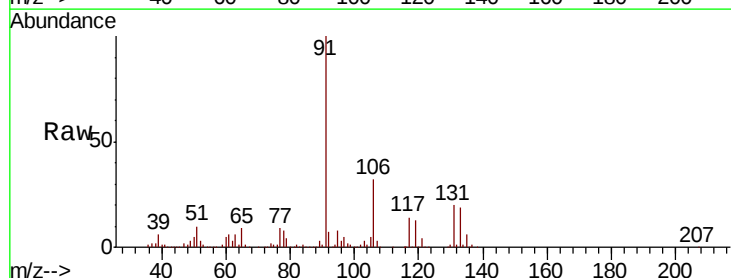
Manual Integrations
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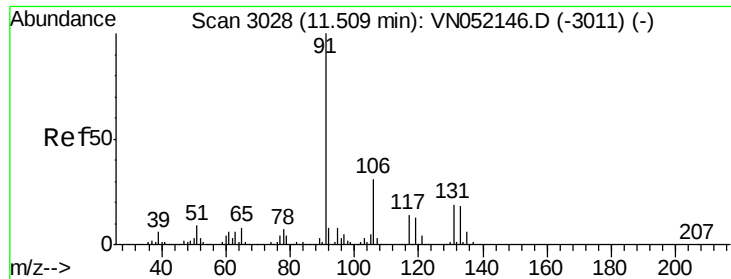
MMDadoda
11/9/2018 10:39:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.395 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	46.6	139.8
119	66.8	33.6	100.8





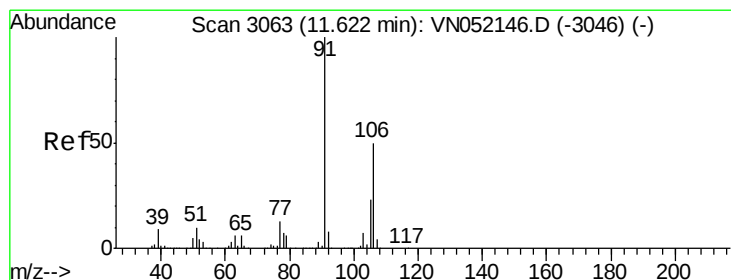
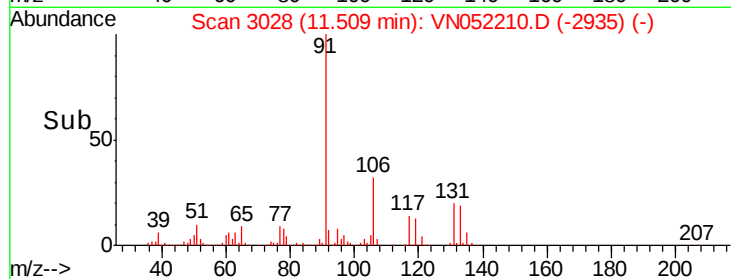
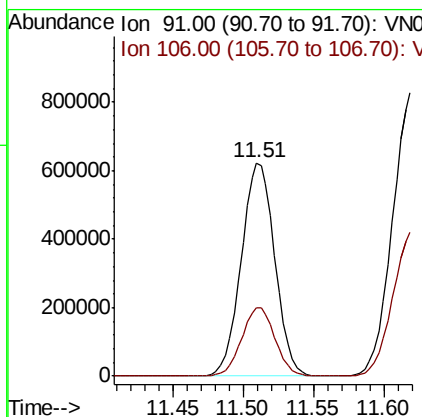
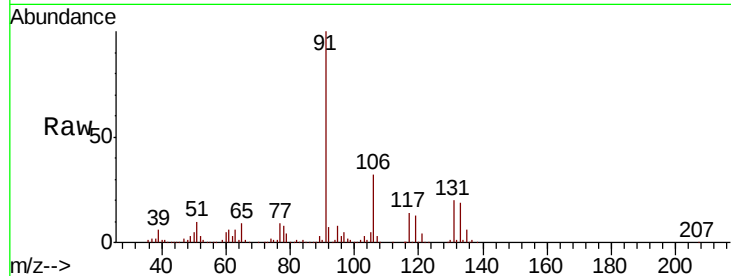
#67
Ethyl Benzene
Concen: 51.862 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1035256
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7

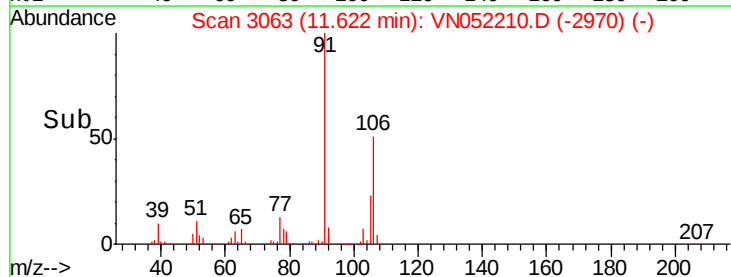
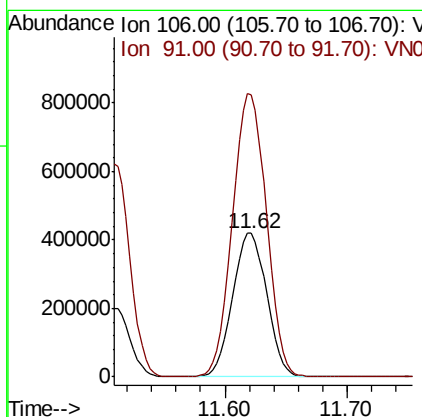
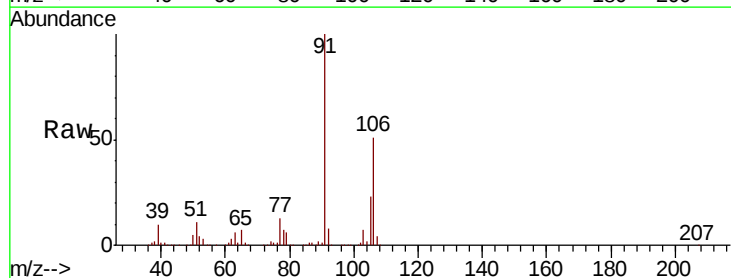
Manual Integrations
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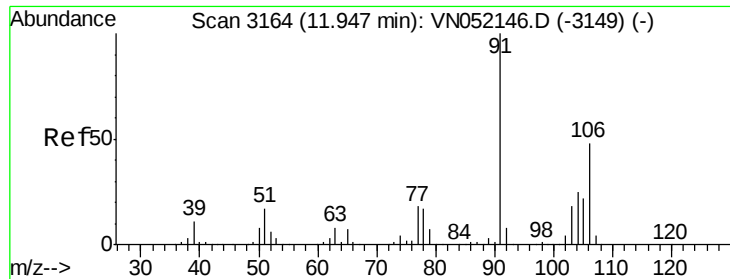
MMDadoda
11/9/2018 10:39:41 AM



#68
m/p-Xylenes
Concen: 105.364 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion: 106 Resp: 811546
Ion Ratio Lower Upper
106 100
91 196.1 158.2 237.4





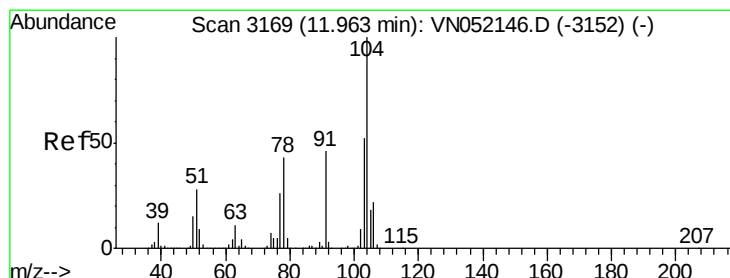
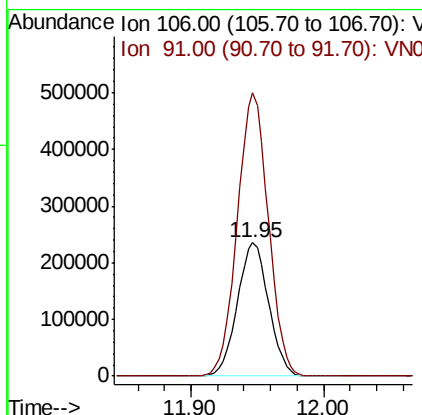
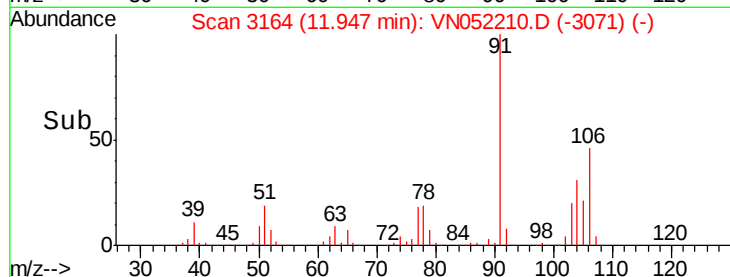
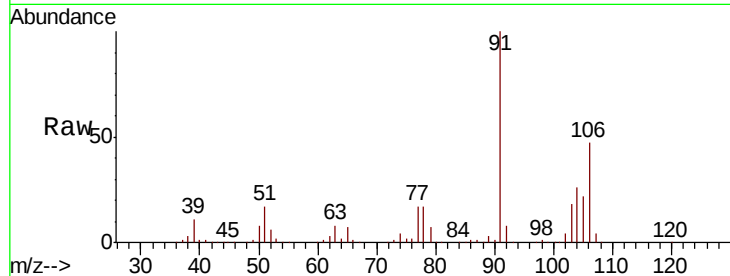
#69
o-Xylene
Concen: 51.555 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 385096
Ion Ratio Lower Upper
106 100
91 210.7 104.8 314.3

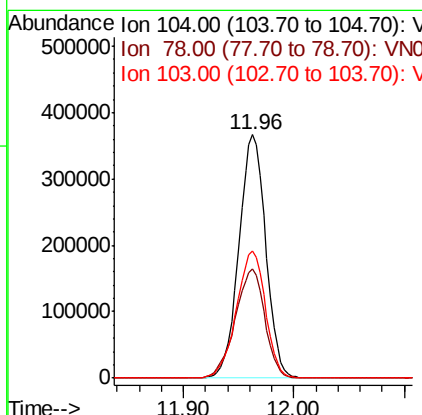
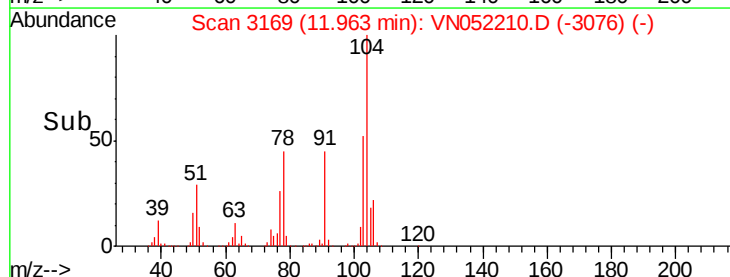
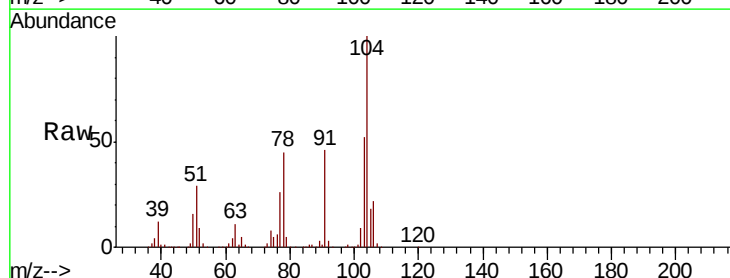
Manual Integrations
APPROVED

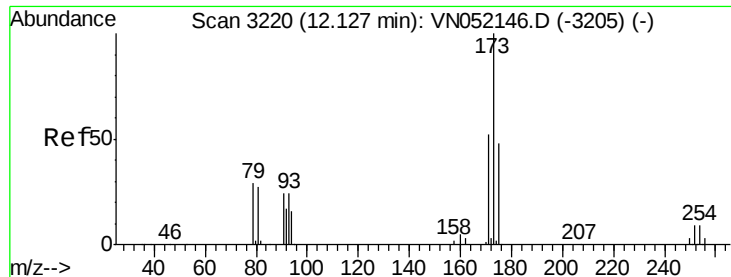
MMDadoda
11/9/2018 10:39:41 AM



#70
Styrene
Concen: 52.159 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion:104 Resp: 616768
Ion Ratio Lower Upper
104 100
78 49.4 39.4 59.0
103 56.5 45.1 67.7





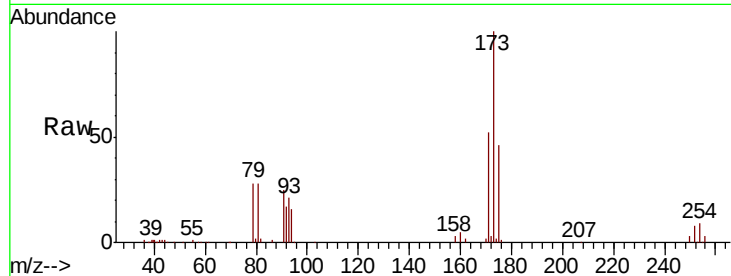
#71
Bromoform
Concen: 47.912 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.8	74.4
254	0.2	0.2	0.2

Manual Integrations
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11/9/2018 10:39:41 AM

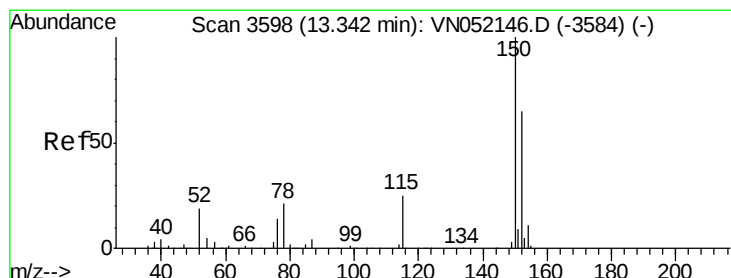
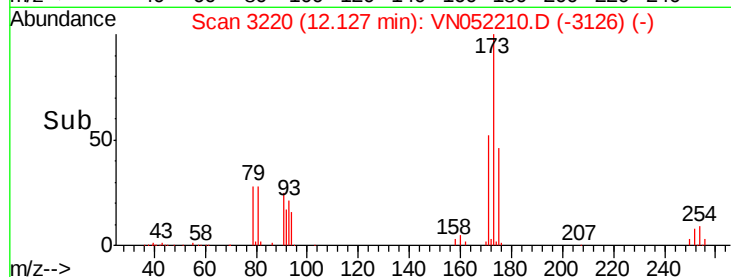
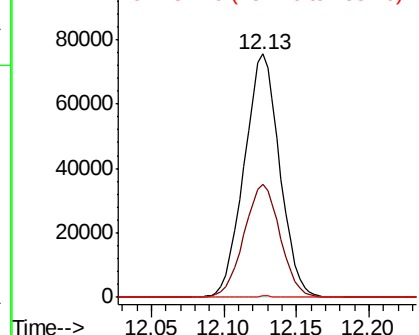


Abundance

Ion 172.70 (172.40 to 173.40): V

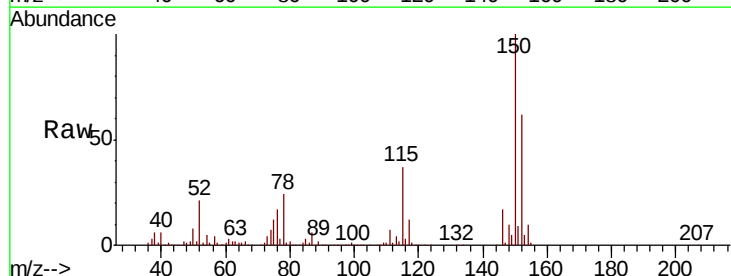
Ion 174.70 (174.40 to 175.40): V

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: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.5	85.5
150	173.4	0.0	348.6

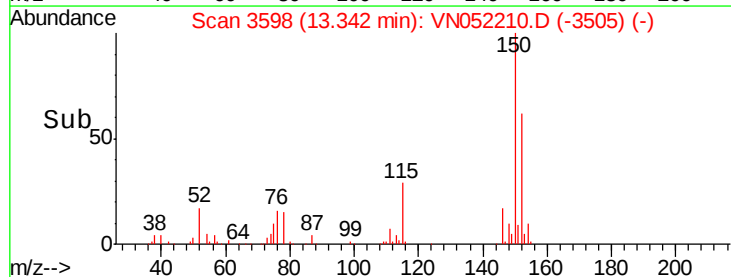
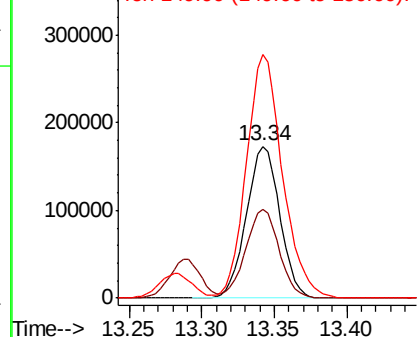


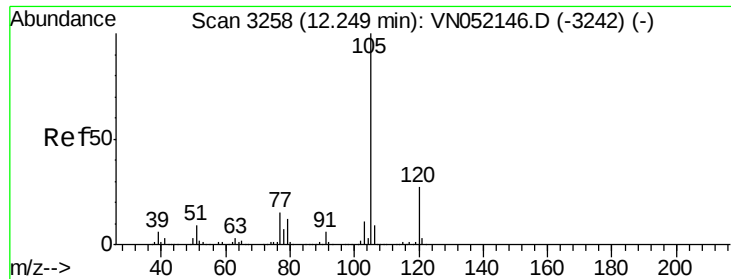
Abundance

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: 49.459 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1038250

Ion Ratio Lower Upper

105 100

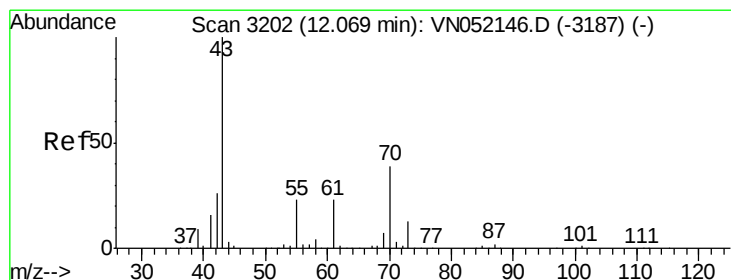
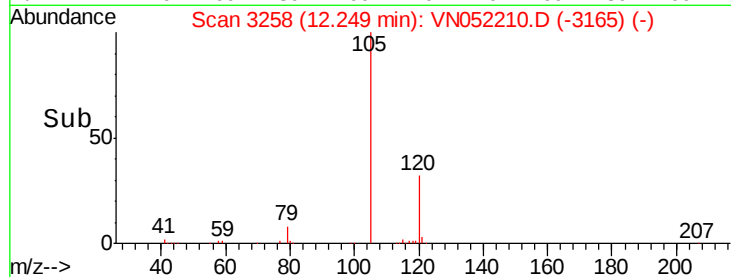
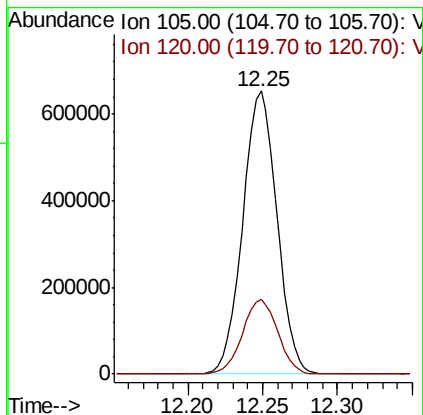
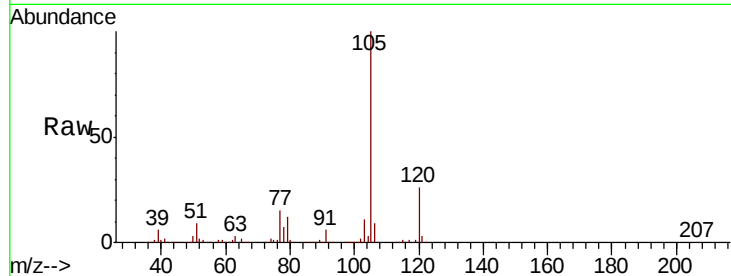
120 27.2 13.3 39.9

Manual Integrations

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11/9/2018 10:39:41 AM



#74

N-ethyl acetate

Concen: 51.451 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Tgt Ion: 43 Resp: 320499

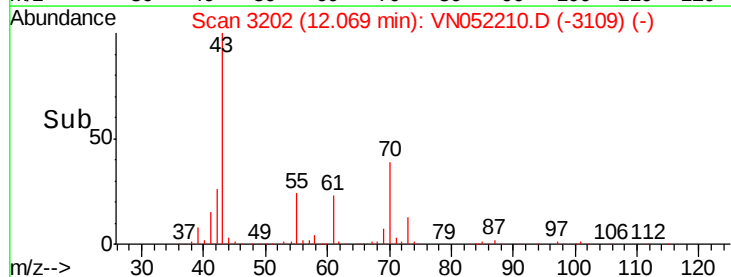
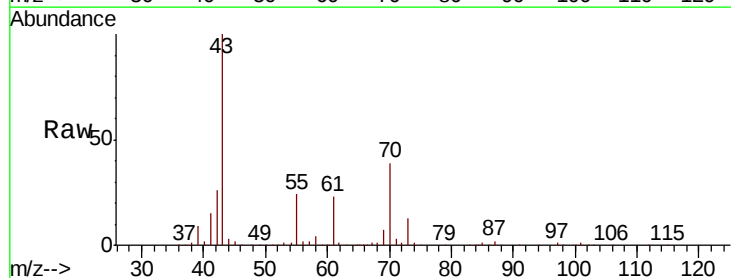
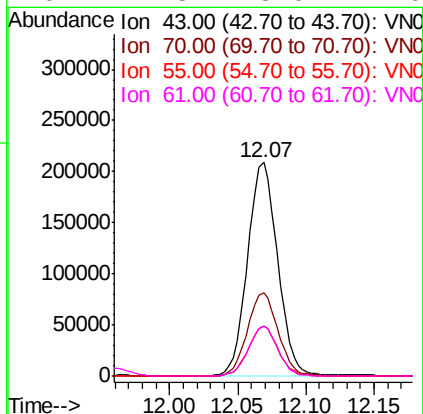
Ion Ratio Lower Upper

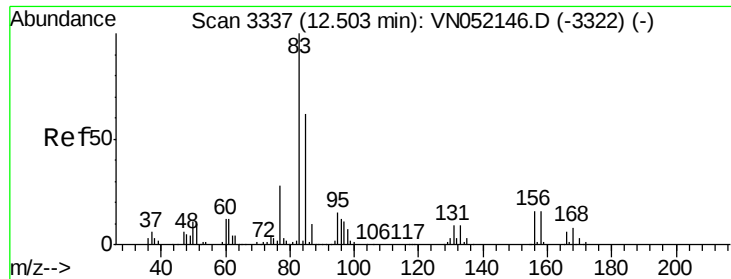
43 100

70 39.7 31.1 46.7

55 23.1 18.5 27.7

61 22.8 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.187 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

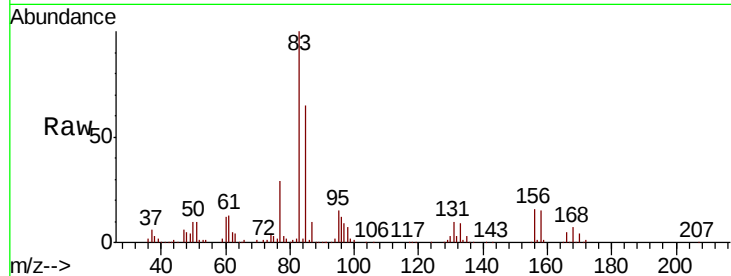
ClientSampleId :

VSTDCCC050EC

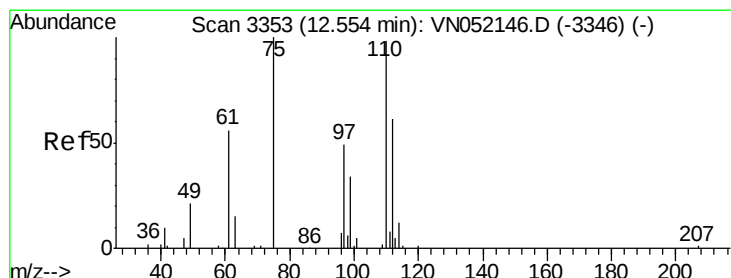
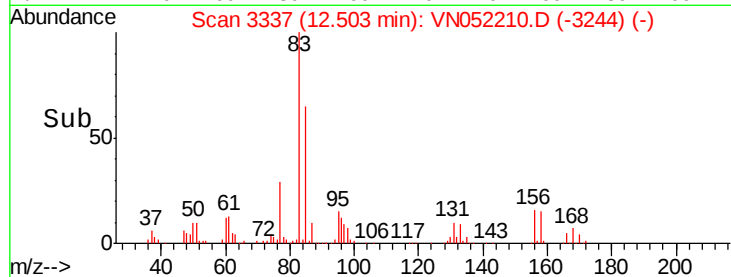
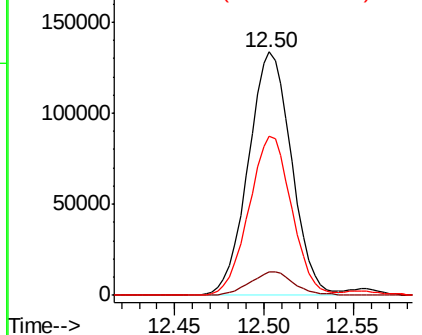
Tot Ion:	83	Resp:	226011
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.7	31.8	95.3

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 39.473 ug/l m

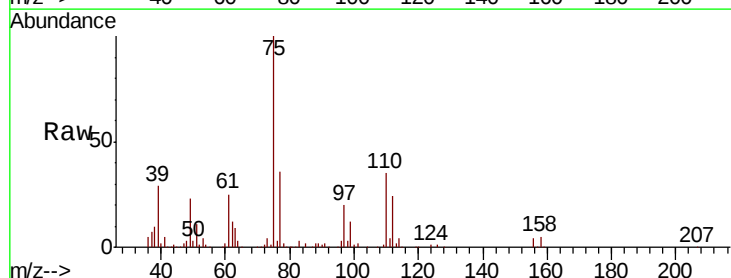
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

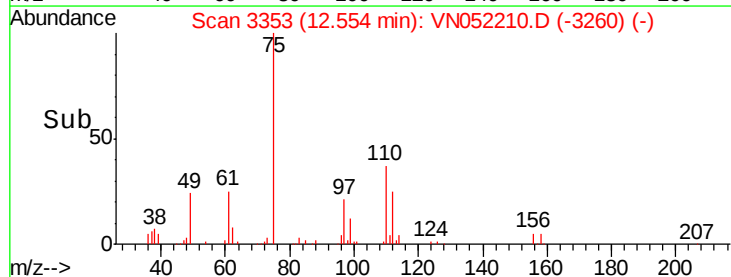
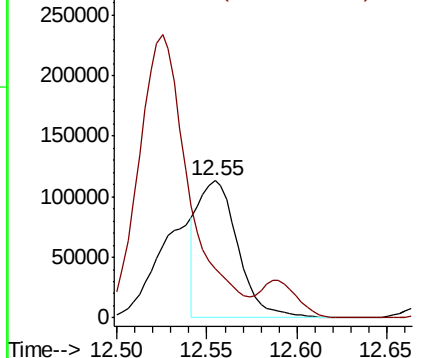
Lab File: VN052210.D

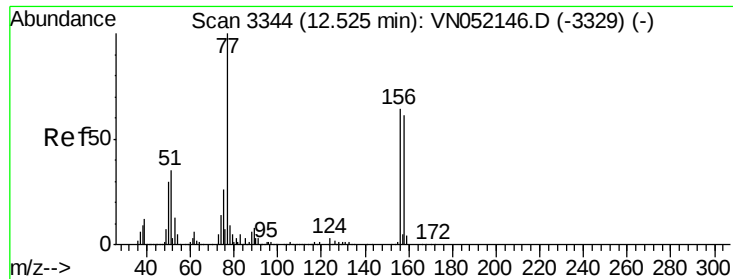
Acq: 7 Nov 2018 16:32

Tgt Ion:	75	Resp:	172465
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.525 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

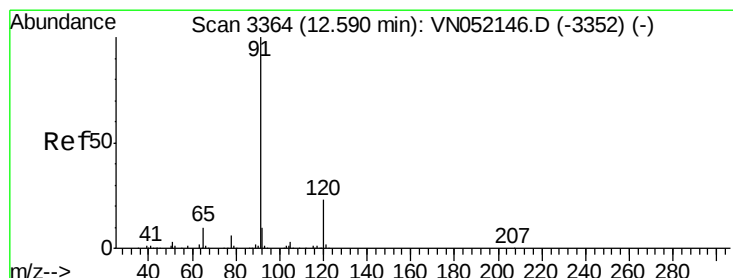
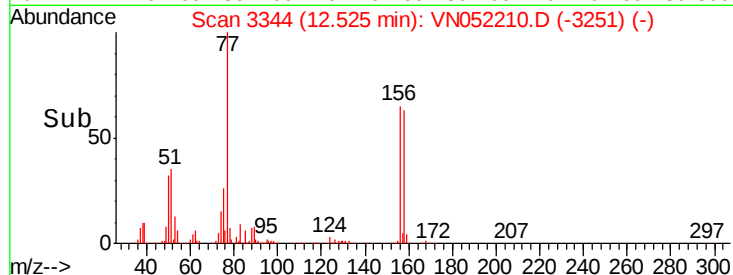
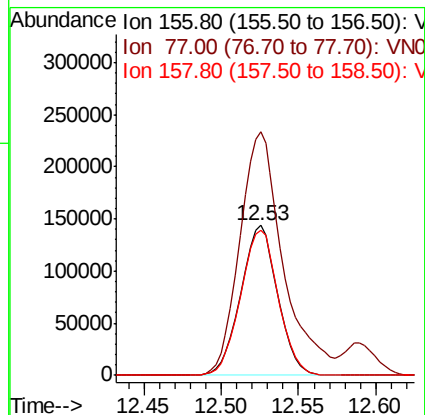
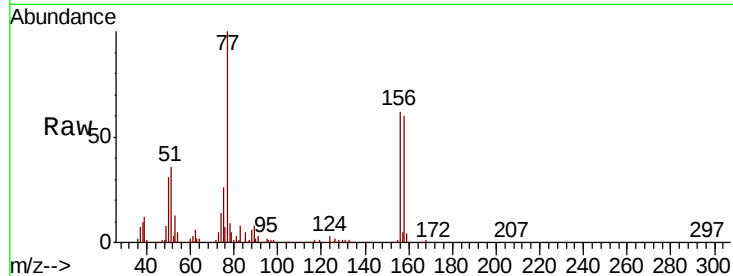
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	191.7	91.6	274.9
158	99.3	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 49.499 ug/l

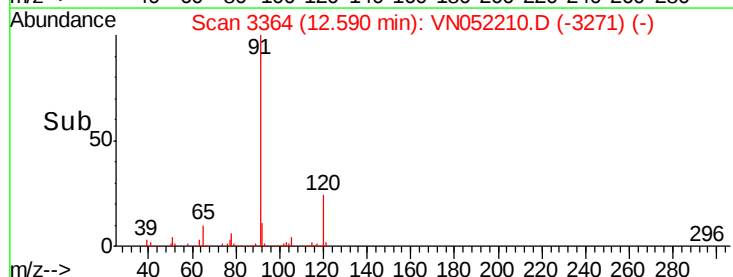
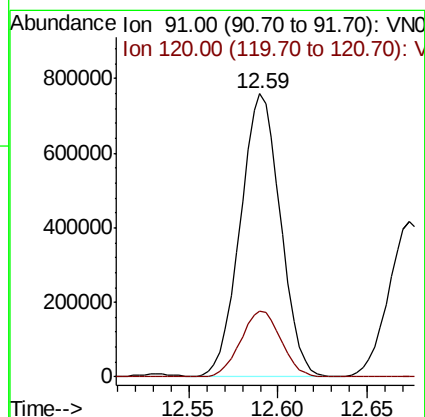
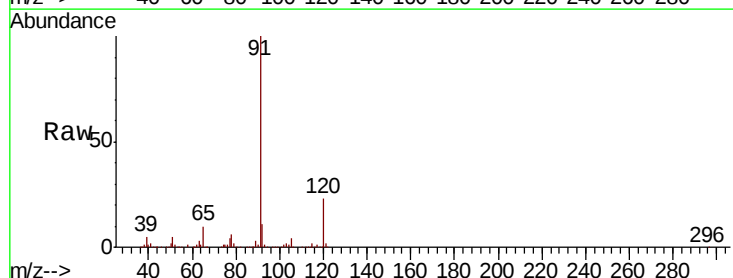
RT: 12.59 min Scan# 3364

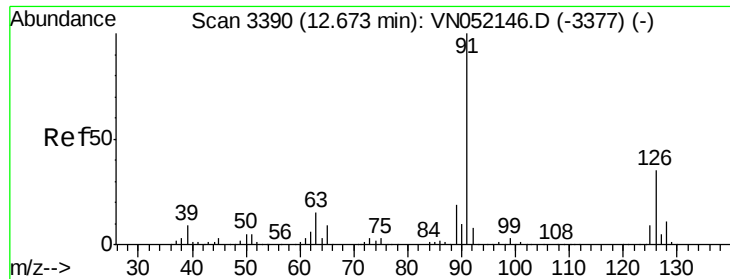
Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.7





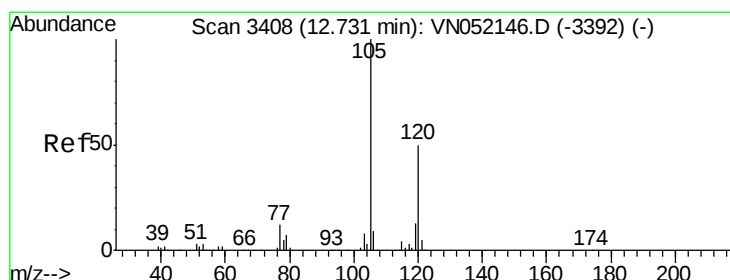
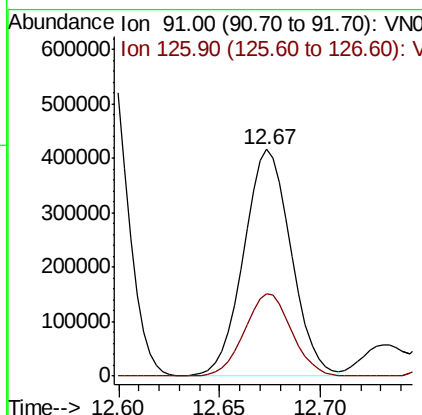
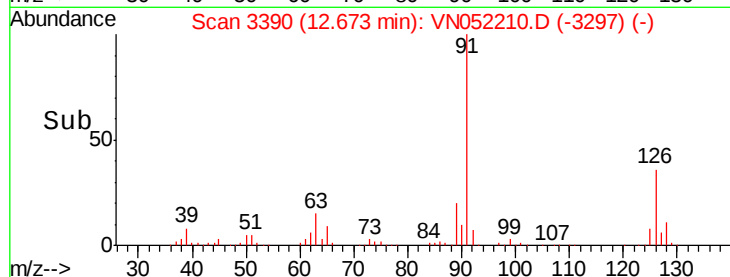
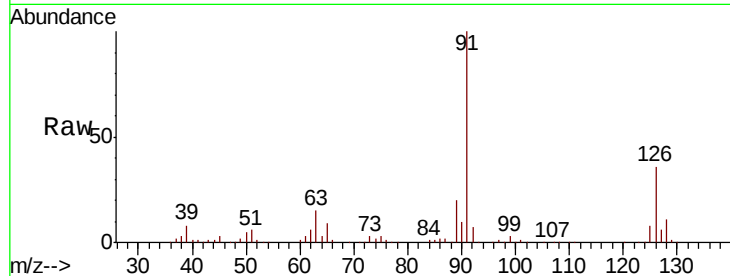
#79
 2-Chlorotoluene
 Concen: 48.397 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 680868
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.0 54.0

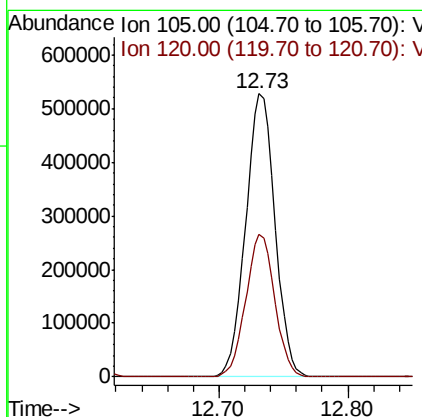
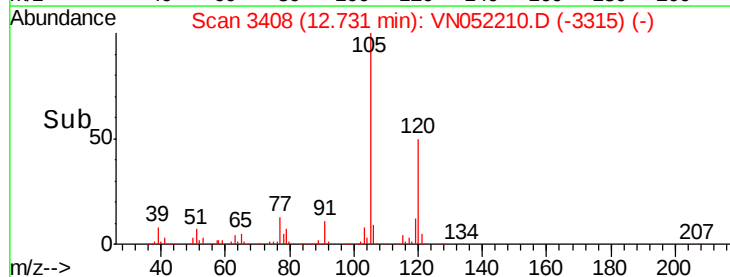
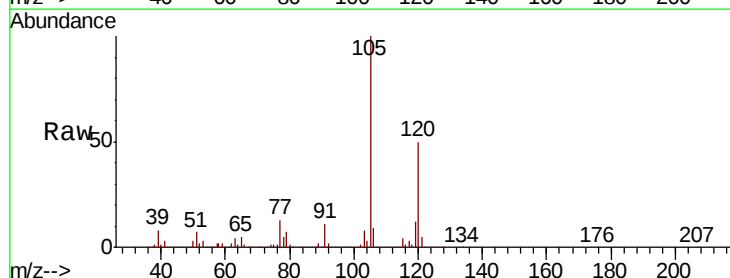
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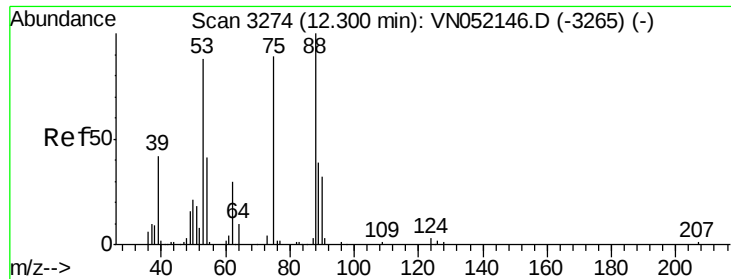
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.122 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Tgt Ion: 105 Resp: 834679
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.836 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 62032

Ion Ratio Lower Upper

75 100

53 99.6 79.4 119.0

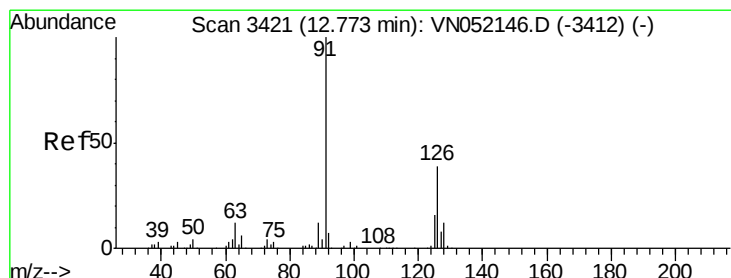
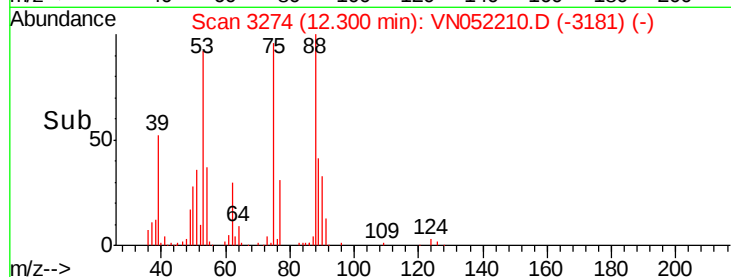
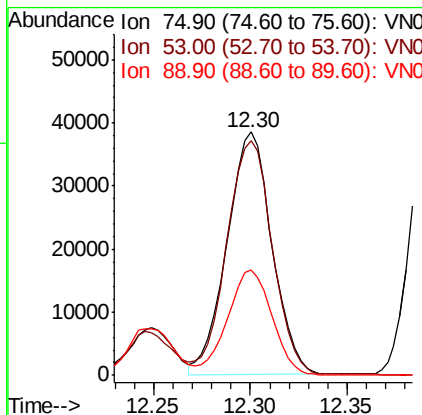
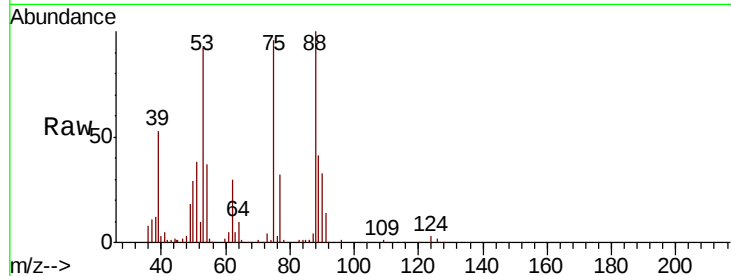
89 43.0 35.8 53.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 48.166 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052210.D

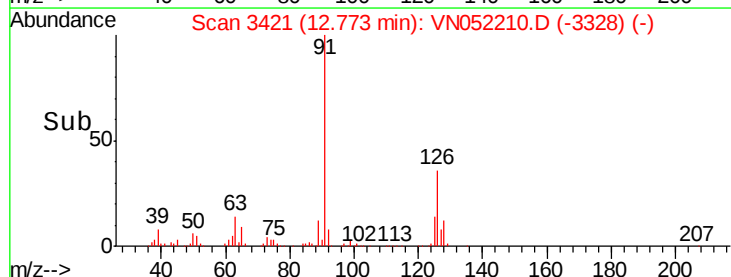
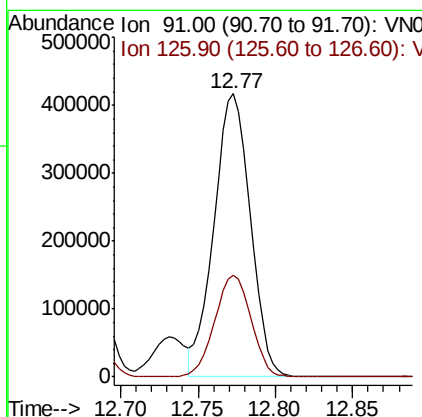
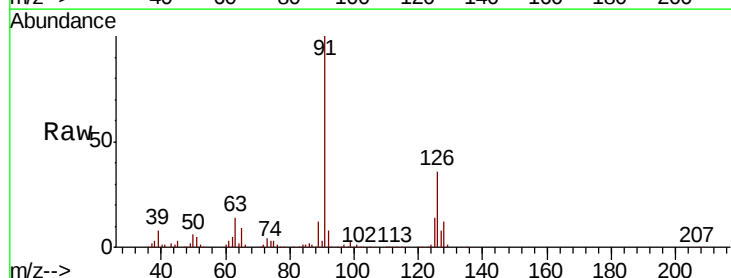
Acq: 7 Nov 2018 16:32

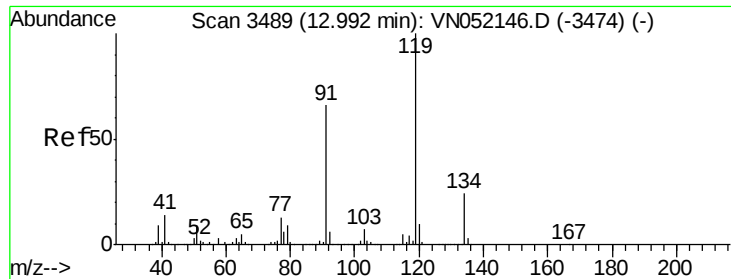
Tgt Ion: 91 Resp: 681062

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5





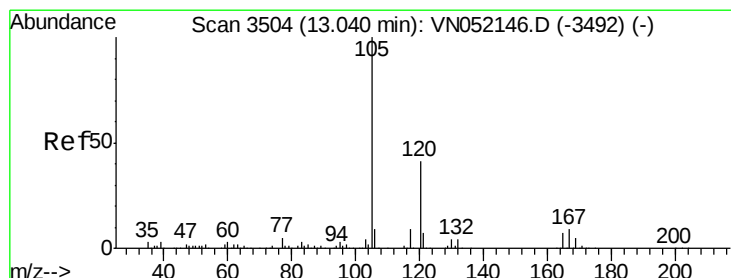
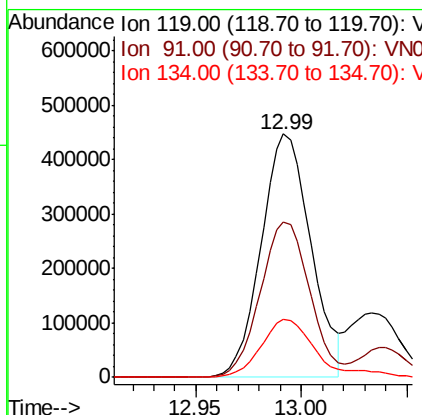
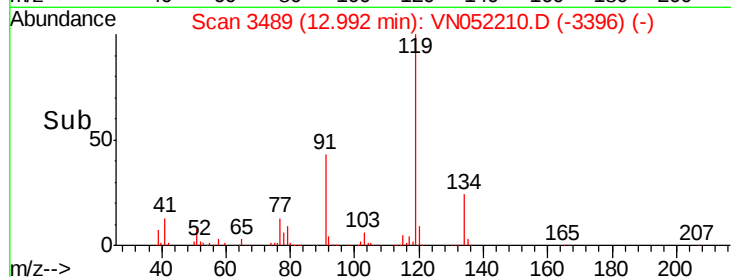
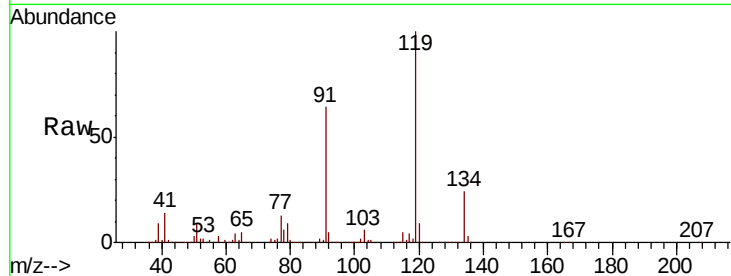
#83
 tert-Butylbenzene
 Concen: 48.948 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.3	96.8
134	26.4	13.0	38.9

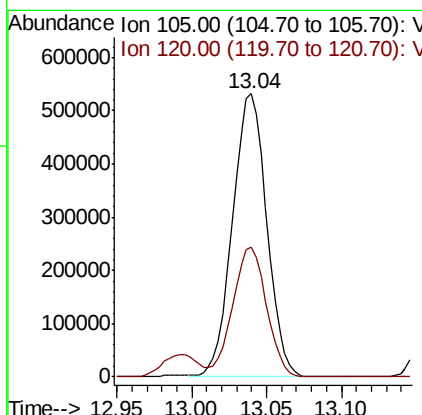
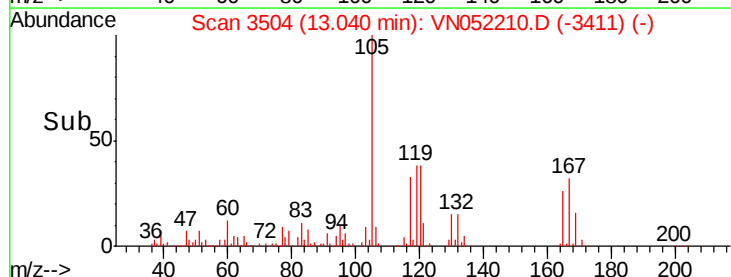
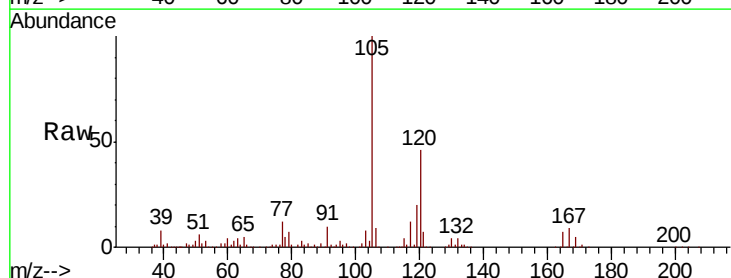
Manual Integrations
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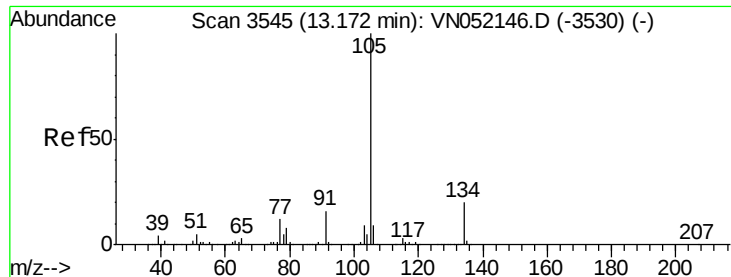
MMDadoda
 11/9/2018 10:39:41 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.108 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.2	69.5





#85

sec-Butylbenzene

Concen: 49.750 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 1009331

Ion Ratio Lower Upper

105 100

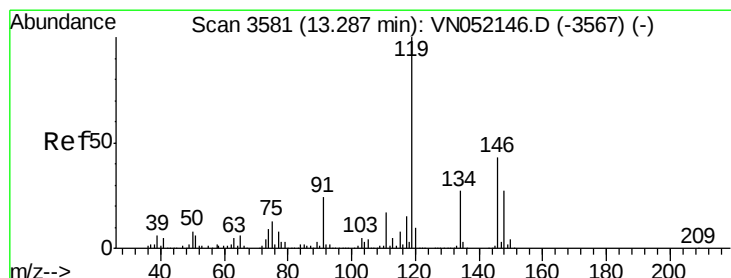
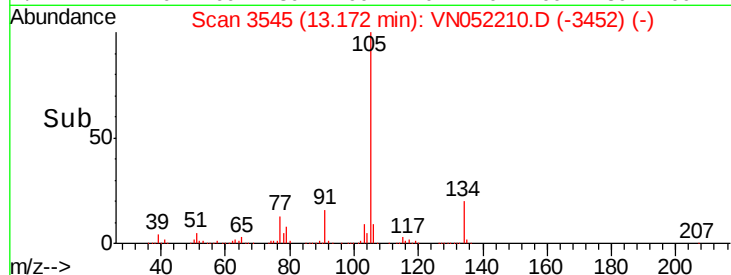
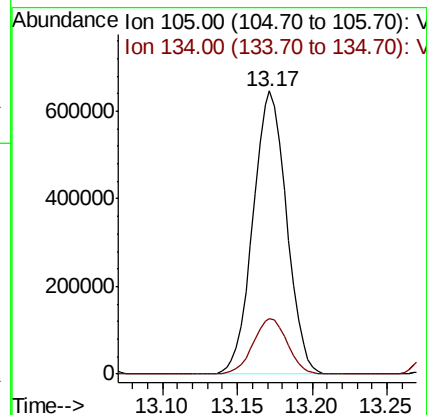
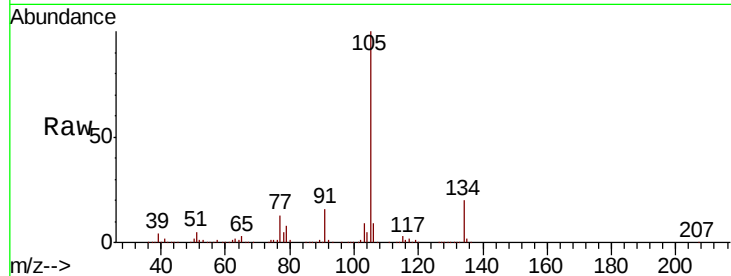
134 20.0 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.063 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

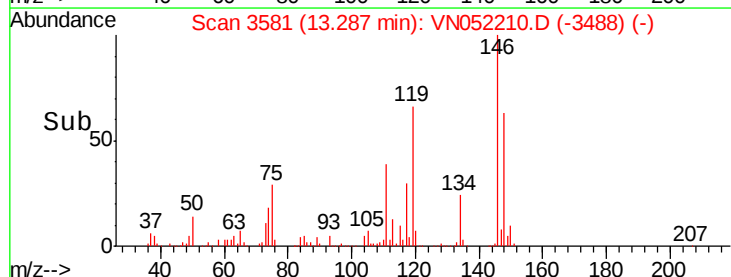
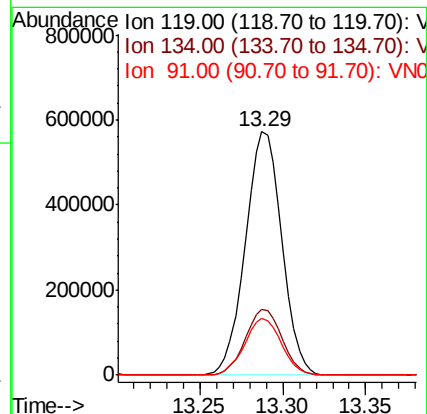
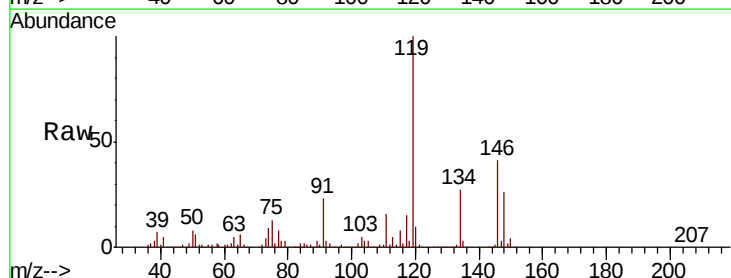
Tgt Ion:119 Resp: 871957

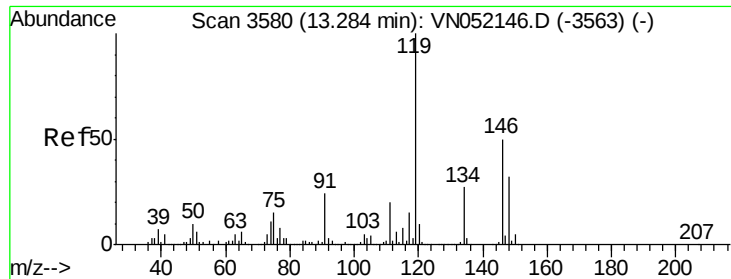
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 23.5 11.9 35.7





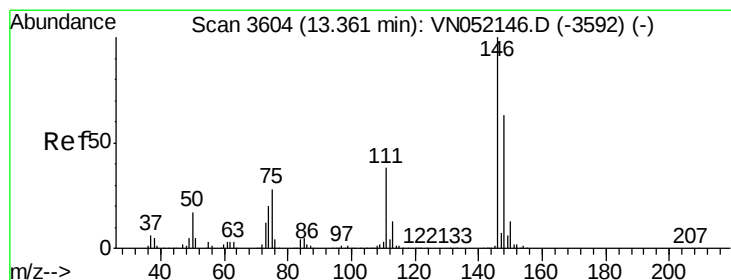
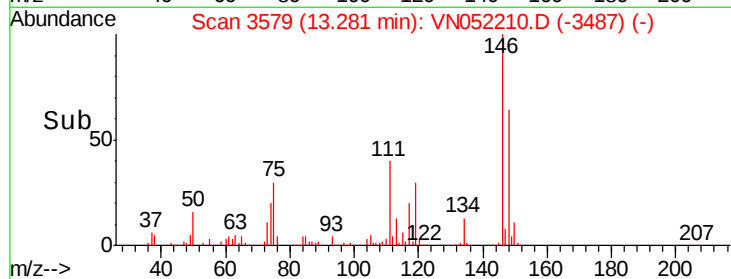
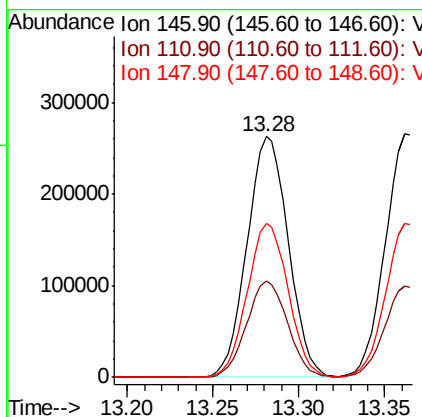
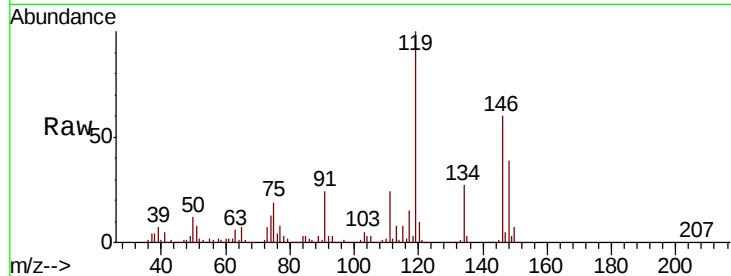
#87
 1,3-Dichlorobenzene
 Concen: 49.474 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	63.3	32.1	96.3

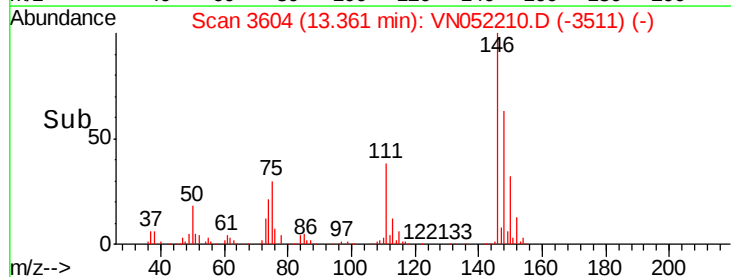
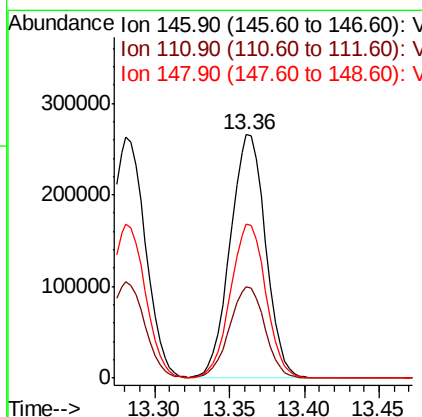
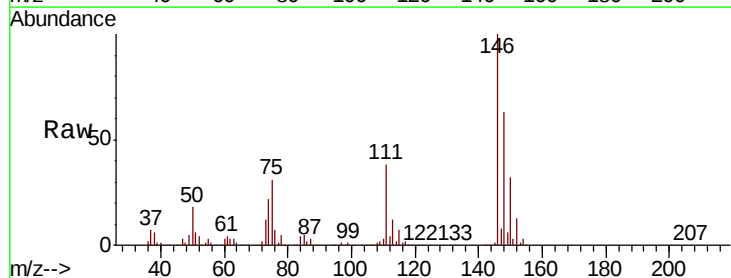
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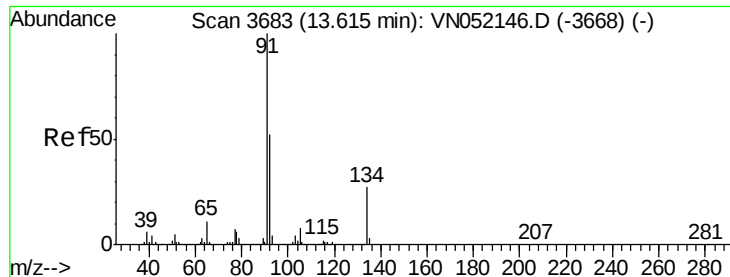
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.642 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.4	58.1
148	63.2	31.5	94.5





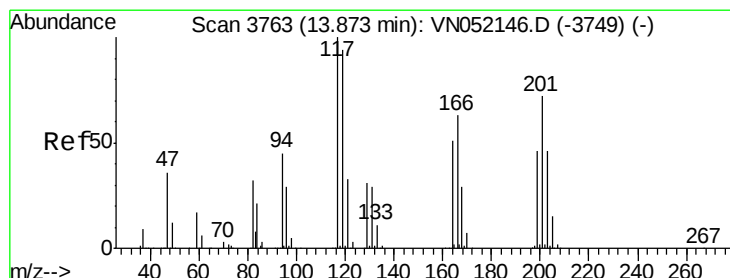
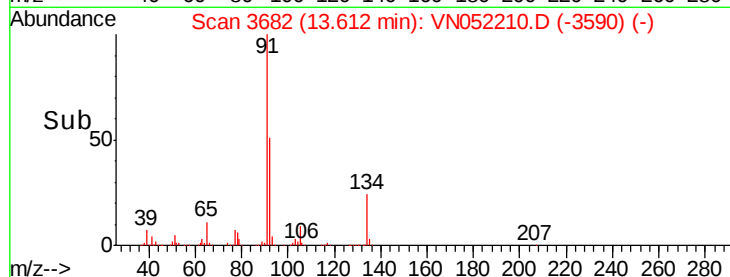
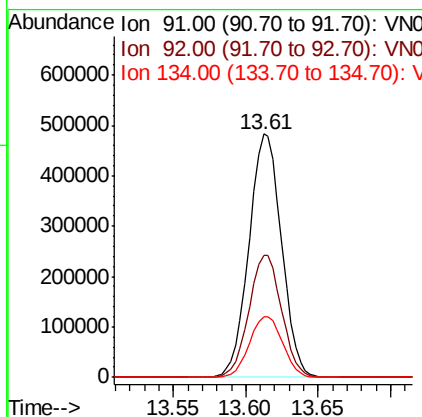
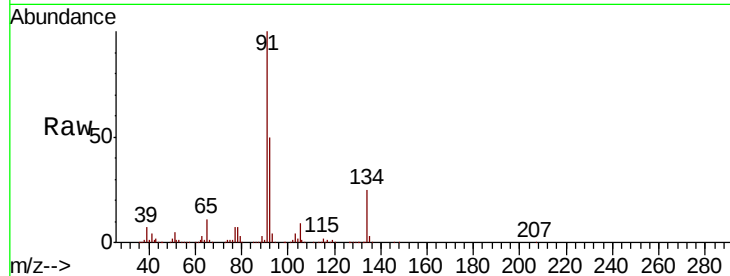
#89
n-Butylbenzene
Concen: 51.106 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.3	78.8
134	25.5	13.4	40.2

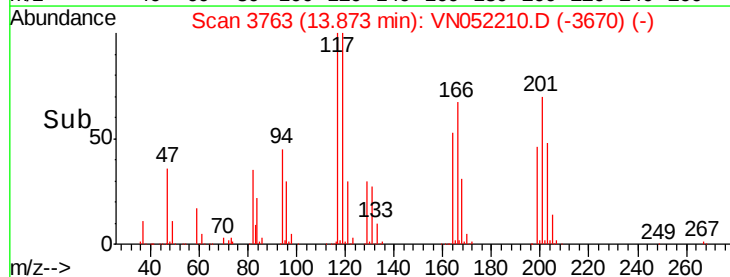
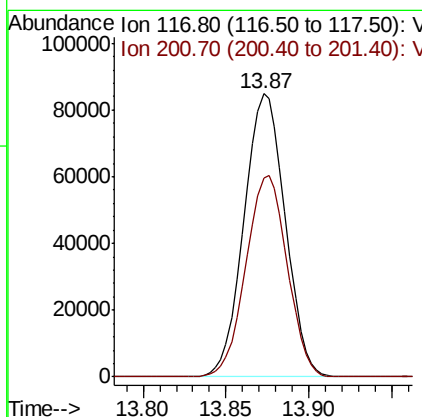
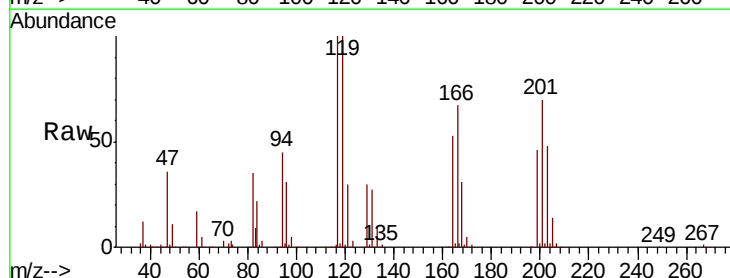
Manual Integrations
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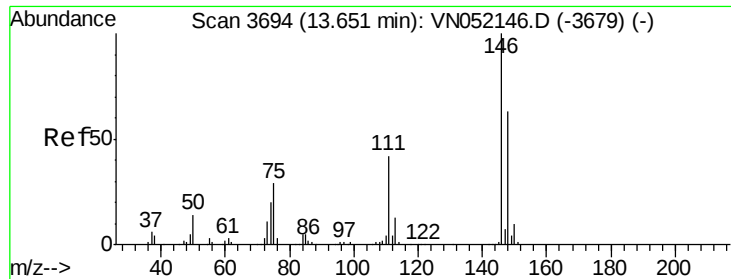
MMDadoda
11/9/2018 10:39:41 AM



#90
Hexachloroethane
Concen: 50.989 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052210.D
Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	36.8	110.3





#91

1,2-Dichlorobenzene

Concen: 50.645 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

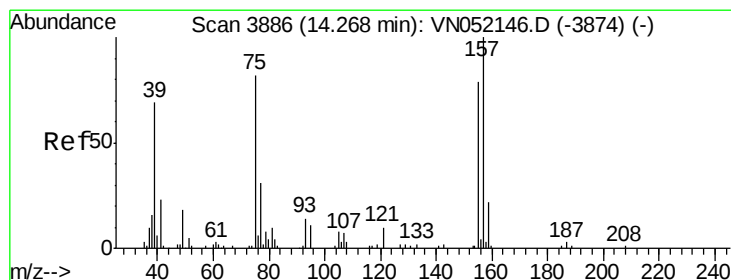
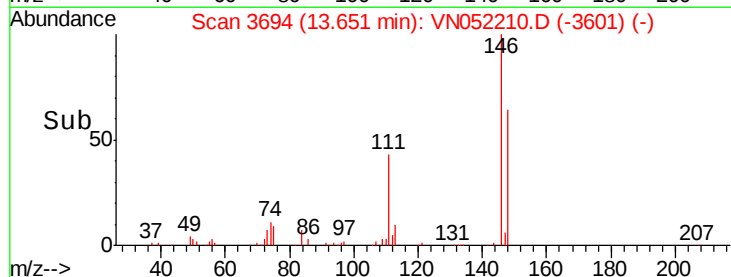
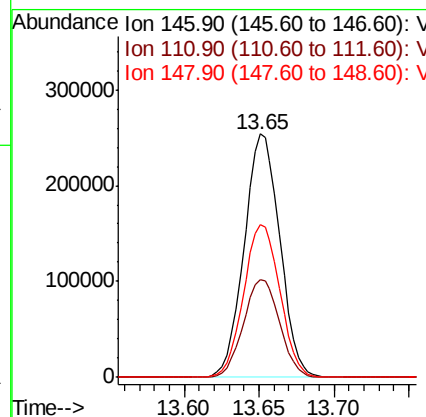
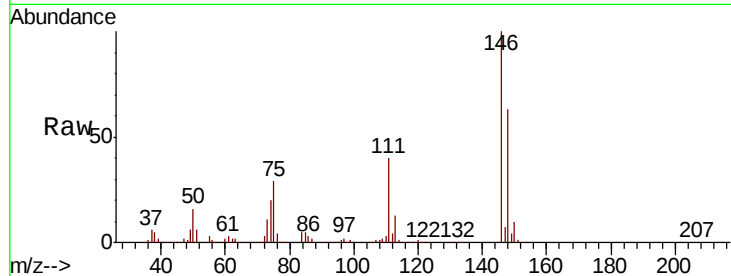
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	420445
Ion Ratio	Lower	Upper	
146	100		
111	40.8	21.1	63.1
148	63.8	31.4	94.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.234 ug/l

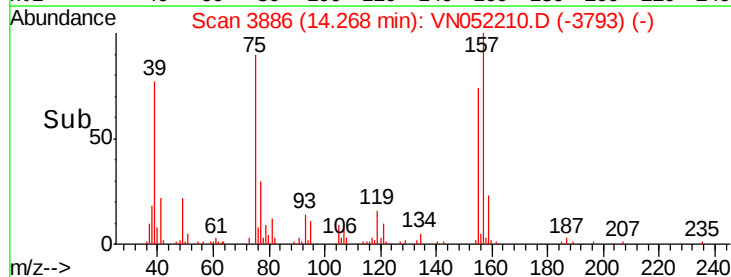
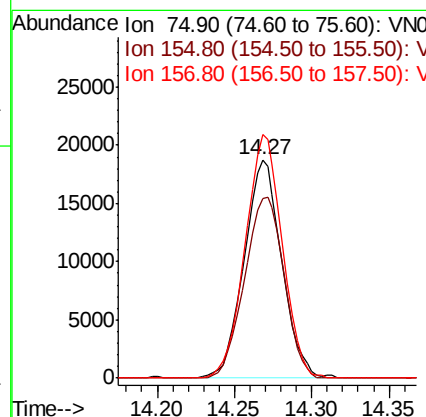
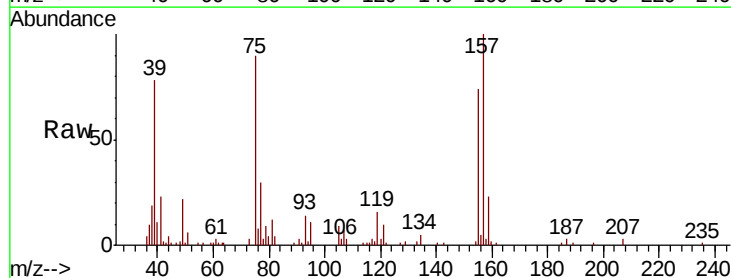
RT: 14.27 min Scan# 3886

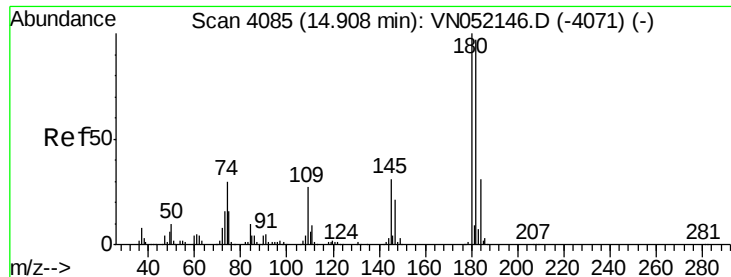
Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Tgt Ion:	75	Resp:	31683
Ion Ratio	Lower	Upper	
75	100		
155	86.7	47.4	142.2
157	110.0	60.3	180.8





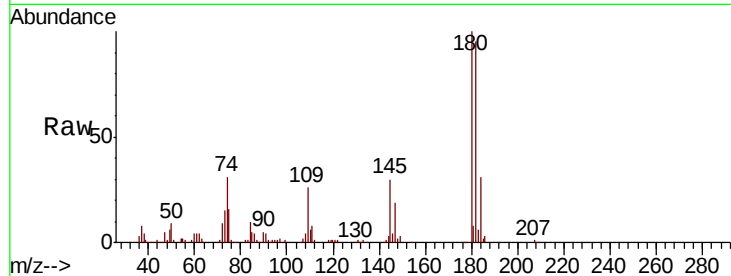
#93
 1,2,4-Trichlorobenzene
 Concen: 48.269 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	188670		
182	94.7		48.1	144.4
145	30.4		15.3	45.9

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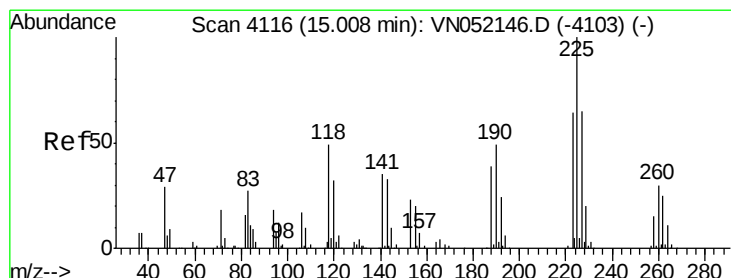
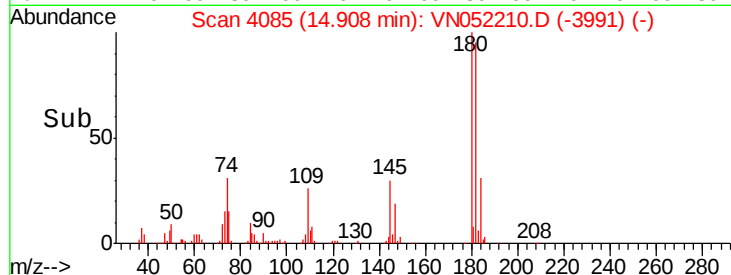
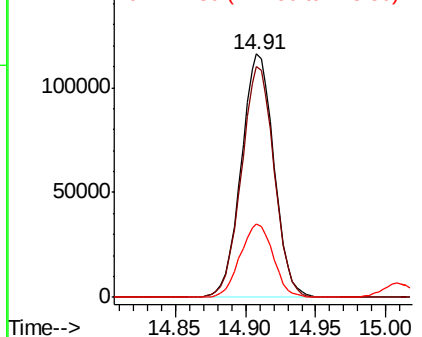


Abundance

Ion 179.80 (179.50 to 180.50): V

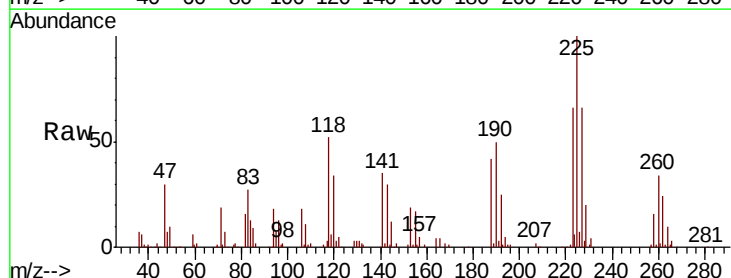
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.905 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052210.D
 Acq: 7 Nov 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97362		
223	63.7		32.3	96.8
227	63.8		31.6	94.8

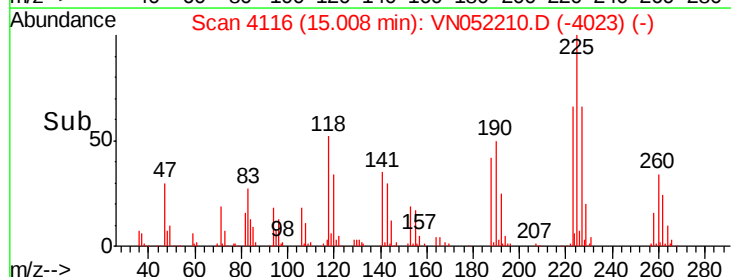
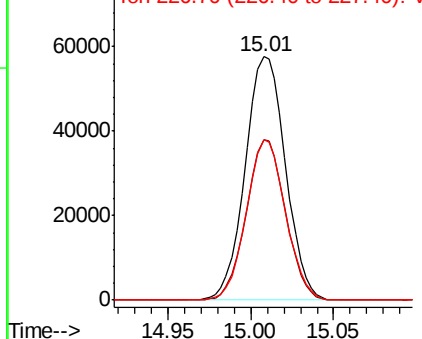


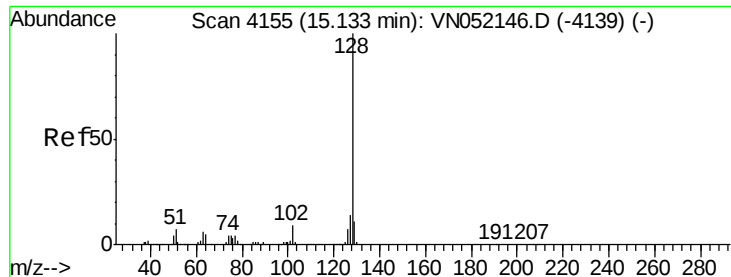
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.359 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Instrument :

MSVOA_N

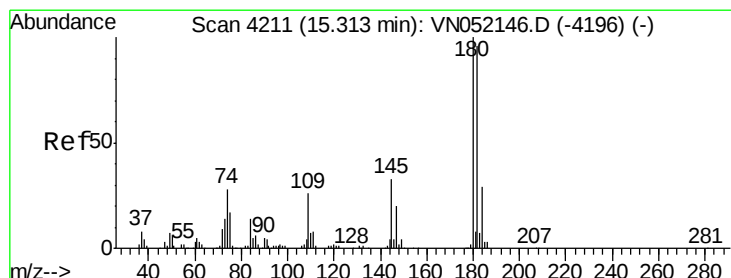
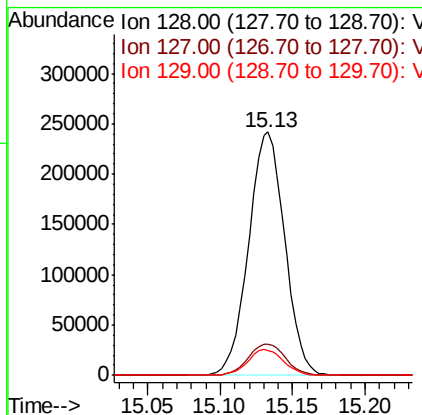
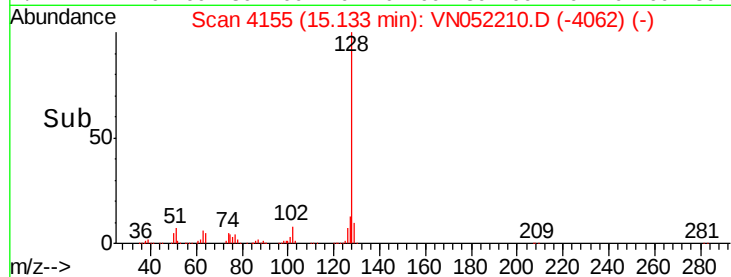
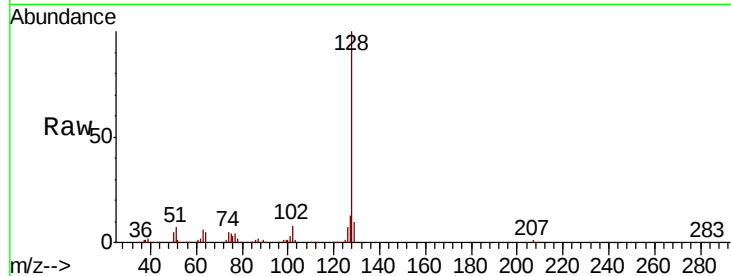
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	419639
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.8	16.2
129	10.5	9.1	13.7

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#96

1,2,3-Trichlorobenzene

Concen: 48.891 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052210.D

Acq: 7 Nov 2018 16:32

Tgt Ion:	180	Resp:	164716
Ion Ratio	Lower	Upper	
180	100		
182	95.8	46.6	139.7
145	31.1	16.7	50.0

