

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052196.D
 Acq On : 7 Nov 2018 8:57
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:13:42 AM

Quant Time: Nov 07 09:25:20 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	7.66	168	383084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	631225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	586803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	272353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	235516	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	7.59	113	205846	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	10.09	98	807953	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.40	95	278423	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	166413	49.817	ug/l	96
3) Chloromethane	2.06	50	216367	47.988	ug/l	100
4) Vinyl Chloride	2.19	62	216230	50.072	ug/l	98
5) Bromomethane	2.57	94	148191	45.902	ug/l	99
6) Chloroethane	2.71	64	139171	50.403	ug/l	98
7) Trichlorofluoromethane	3.02	101	310601	49.515	ug/l	96
8) Diethyl Ether	3.41	74	109170	49.814	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	193664	51.664	ug/l	97
10) Methyl Iodide	3.96	142	254963	48.175	ug/l	99
11) Tert butyl alcohol	4.78	59	59084	299.200	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	173692	49.217	ug/l	95
13) Acrolein	3.61	56	40177	208.389	ug/l	99
14) Allyl chloride	4.33	41	315628	53.587	ug/l	98
15) Acrylonitrile	4.99	53	351637	271.999	ug/l	99
16) Acetone	3.81	43	287907	279.746	ug/l	98
17) Carbon Disulfide	4.06	76	503926	50.039	ug/l	96
18) Methyl Acetate	4.32	43	164861	50.408	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	505492	52.046	ug/l	98
20) Methylene Chloride	4.55	84	205844	48.136	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	195137	49.874	ug/l	99
22) Diisopropyl ether	5.95	45	674727	52.219	ug/l	99
23) Vinyl Acetate	5.90	43	2393557	280.252	ug/l	99
24) 1,1-Dichloroethane	5.85	63	375166	51.106	ug/l	99
25) 2-Butanone	6.83	43	439287	275.265	ug/l	98
26) 2,2-Dichloropropane	6.83	77	308365	53.673	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	228392	51.299	ug/l	99
28) Bromochloromethane	7.19	49	185068	53.284	ug/l	100
29) Tetrahydrofuran	7.21	42	283069	286.679	ug/l	99
30) Chloroform	7.37	83	383038	52.363	ug/l	94
31) Cyclohexane	7.65	56	352306	52.098	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	331127	51.384	ug/l	98
36) 1,1-Dichloropropene	7.79	75	294203	52.687	ug/l	99
37) Ethyl Acetate	6.93	43	187519	54.521	ug/l	97
38) Carbon Tetrachloride	7.77	117	292965	52.477	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	372456	56.319	ug/l	97
40) Benzene	8.04	78	863551	52.606	ug/l	100
41) Methacrylonitrile	7.18	41	109115	56.386	ug/l	96
42) 1,2-Dichloroethane	8.12	62	278331	52.744	ug/l	99
43) Isopropyl Acetate	8.16	43	350580	55.024	ug/l	99
44) Trichloroethene	8.83	130	230459	53.027	ug/l	99
45) 1,2-Dichloropropane	9.12	63	233938	53.812	ug/l	100
46) Dibromomethane	9.21	93	142256	51.454	ug/l	99
47) Bromodichloromethane	9.40	83	295165	54.742	ug/l	99
48) Methyl methacrylate	9.20	41	174972	57.059	ug/l	98
49) 1,4-Dioxane	9.20	88	32907	1268.538	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	990146	294.159	ug/l	99
52) Toluene	10.15	92	551270	55.691	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	300896	56.885	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	348624	56.324	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	194778	55.810	ug/l	98
56) Ethyl methacrylate	10.43	69	259214	56.981	ug/l	100
57) 1,3-Dichloropropane	10.71	76	336269	54.693	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	756187	308.876	ug/l	100
59) 2-Hexanone	10.75	43	704751	300.769	ug/l	99
60) Dibromochloromethane	10.90	129	223259	56.252	ug/l	99
61) 1,2-Dibromoethane	11.00	107	200756	56.667	ug/l	100
64) Tetrachloroethene	10.63	164	206725	54.378	ug/l	98
65) Chlorobenzene	11.43	112	625928	52.333	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	216437	53.885	ug/l	98
67) Ethyl Benzene	11.51	91	1063770	53.549	ug/l	99
68) m/p-Xylenes	11.62	106	819324	106.888	ug/l	99
69) o-Xylene	11.95	106	395038	53.141	ug/l	99
70) Styrene	11.96	104	645311	54.836	ug/l	99
71) Bromoform	12.13	173	137983	51.434	ug/l #	98
73) Isopropylbenzene	12.25	105	1065226	51.729	ug/l	99
74) N-amyl acetate	12.07	43	330787	54.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	237701	52.735	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	181706m	42.394	ug/l	
77) Bromobenzene	12.53	156	253772	51.679	ug/l	98
78) n-propylbenzene	12.59	91	1249548	53.095	ug/l	99
79) 2-Chlorotoluene	12.67	91	692950	50.211	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	866513	51.985	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	67988	56.798	ug/l	98
82) 4-Chlorotoluene	12.77	91	711036	51.261	ug/l	100
83) tert-Butylbenzene	12.99	119	759948	51.633	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	861654	51.930	ug/l	100
85) sec-Butylbenzene	13.17	105	1052288	52.873	ug/l	100
86) p-Isopropyltoluene	13.29	119	903810	53.955	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	452283	52.120	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	447566	51.600	ug/l	98
89) n-Butylbenzene	13.61	91	786754	54.241	ug/l	99
90) Hexachloroethane	13.87	117	152448	54.000	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	427713	52.520	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34964	58.762	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	192980	50.234	ug/l	99
94) Hexachlorobutadiene	15.01	225	99857	52.192	ug/l	99
95) Naphthalene	15.13	128	448369	53.761	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	168271	50.843	ug/l	97

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

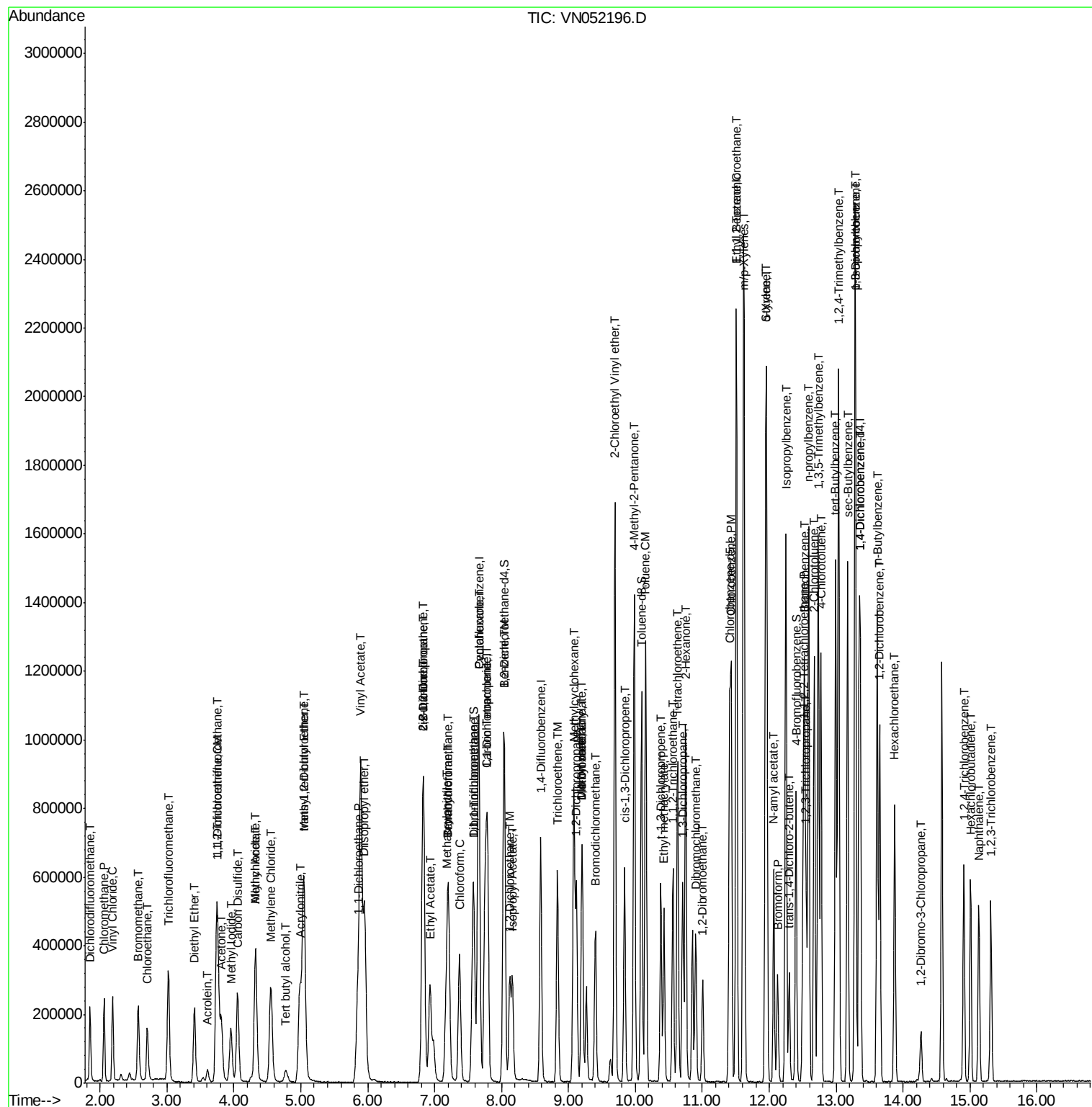
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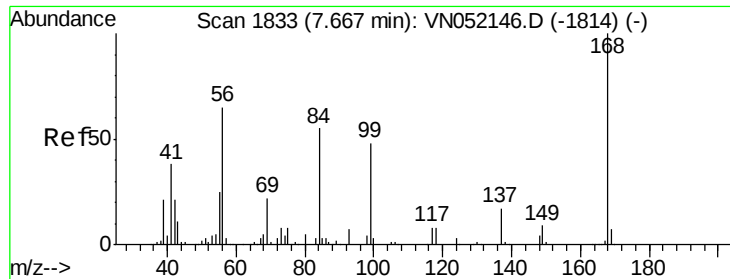
Instrument :
MSVOA_N
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 383084

Ion Ratio Lower Upper

168 100

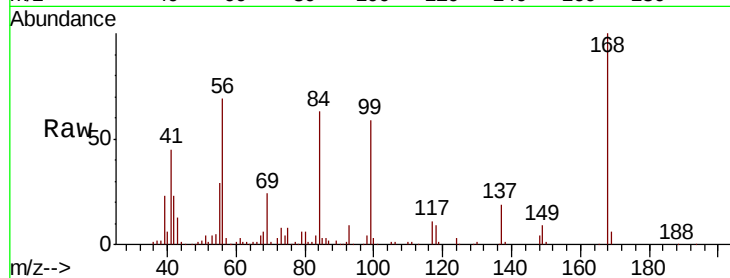
99 59.0 45.4 68.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

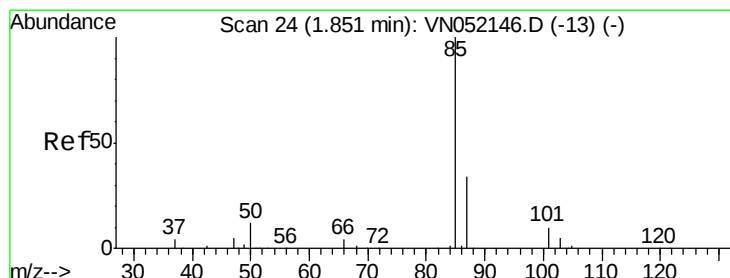
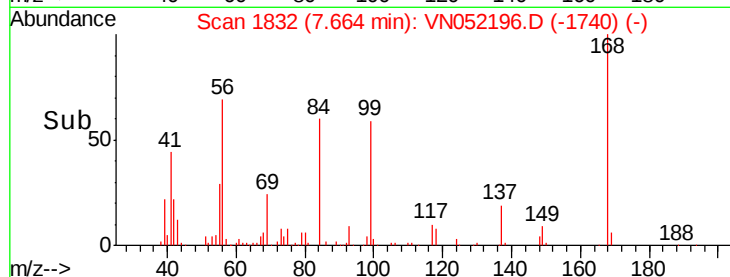
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.817 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052196.D

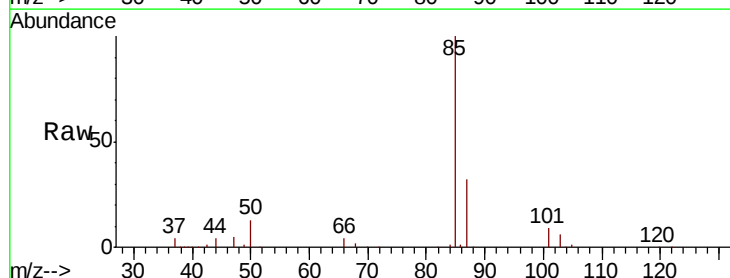
Acq: 7 Nov 2018 8:57

Tgt Ion: 85 Resp: 166413

Ion Ratio Lower Upper

85 100

87 31.8 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

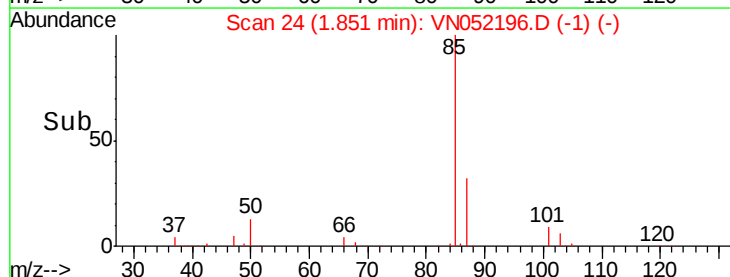
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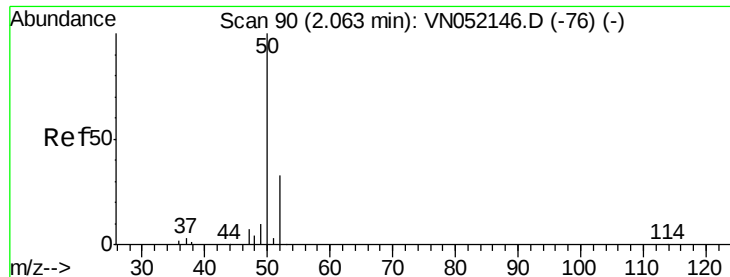
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.988 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 216367

Ion Ratio Lower Upper

50 100

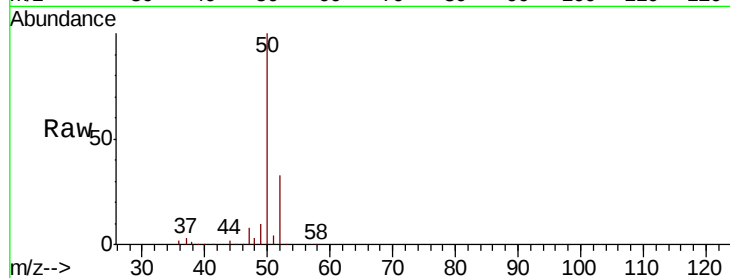
52 32.9 26.2 39.4

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

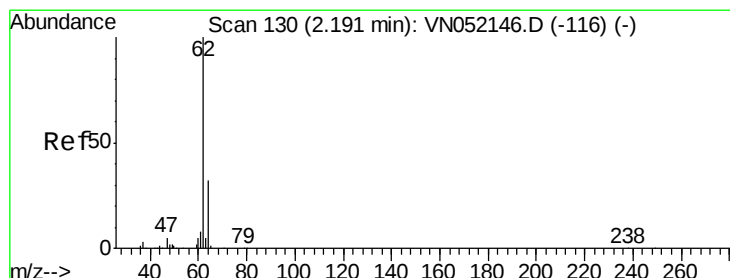
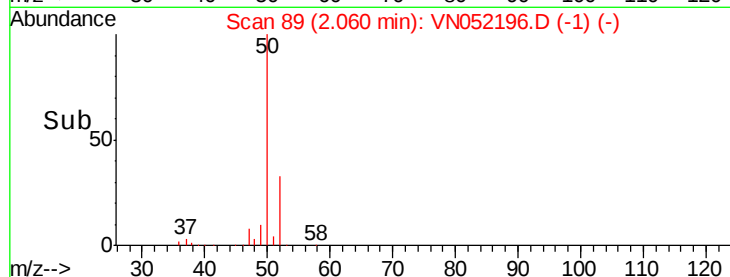
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.072 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052196.D

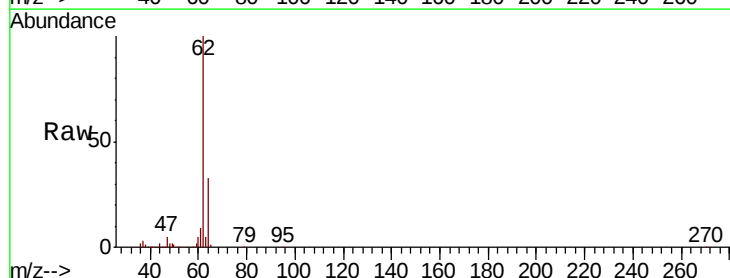
Acq: 7 Nov 2018 8:57

Tgt Ion: 62 Resp: 216230

Ion Ratio Lower Upper

62 100

64 33.1 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

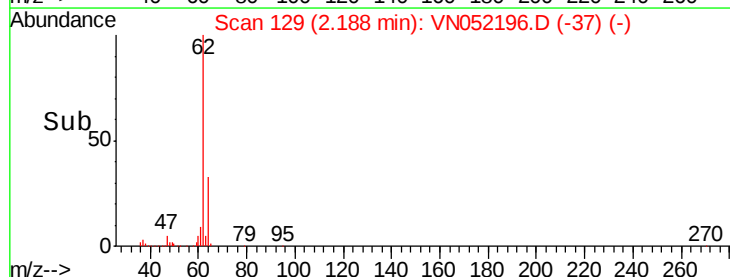
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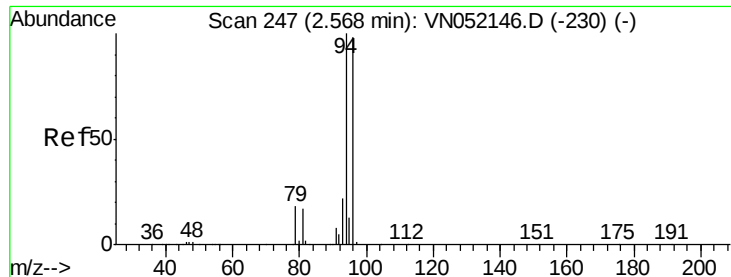
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50000

0

Time-->





#5

Bromomethane

Concen: 45.902 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 148191

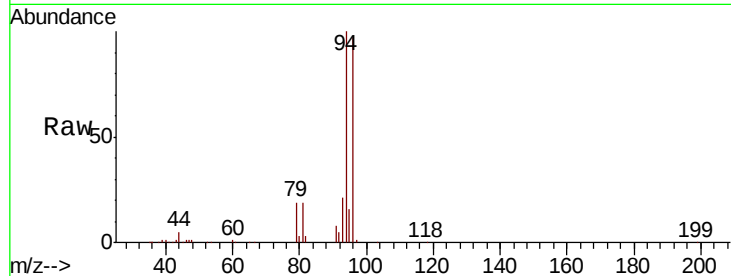
Ion Ratio Lower Upper

94 100

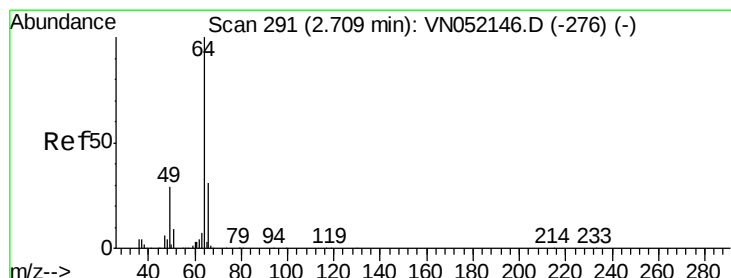
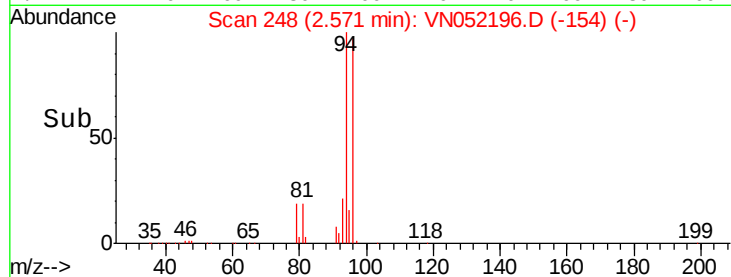
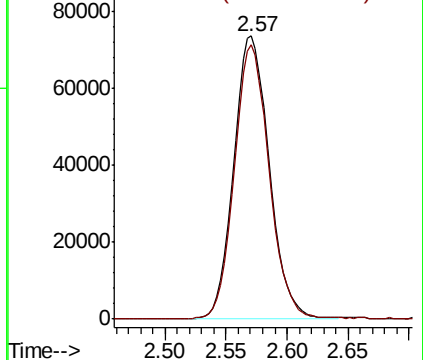
96 96.8 78.3 117.5

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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.403 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052196.D

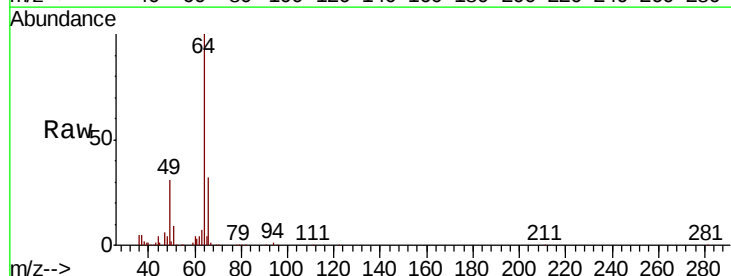
Acq: 7 Nov 2018 8:57

Tgt Ion: 64 Resp: 139171

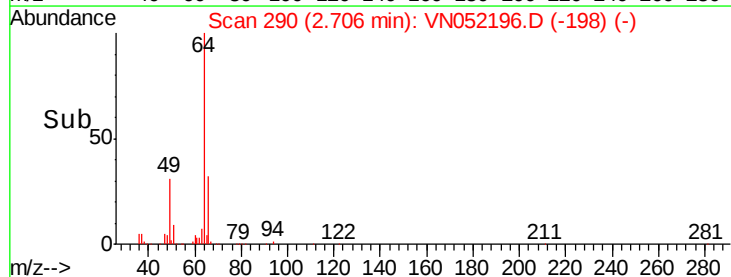
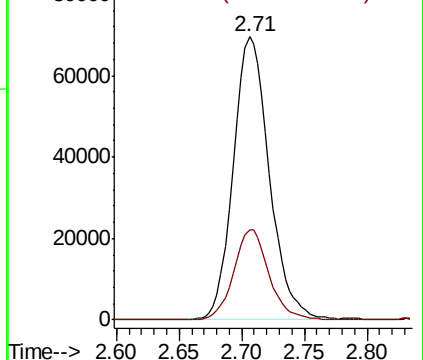
Ion Ratio Lower Upper

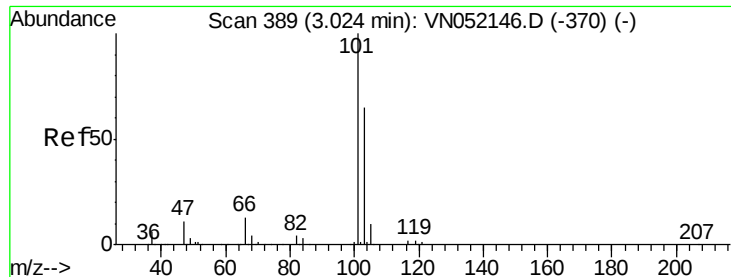
64 100

66 32.1 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

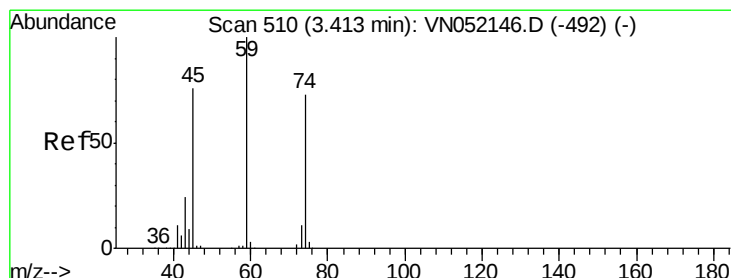
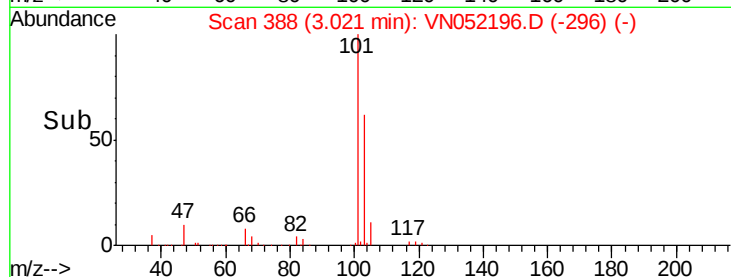
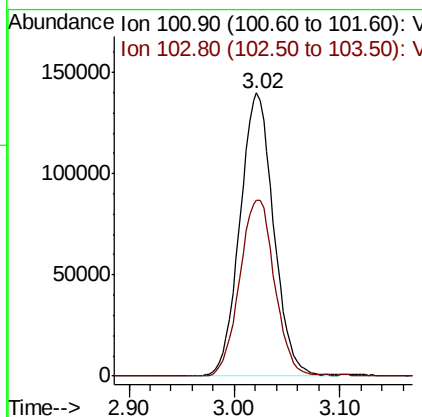
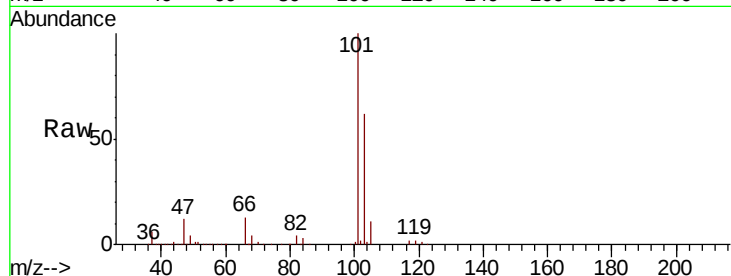
Trichlorofluoromethane
 Concen: 49.515 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		310601		
103	62.3	52.2	78.4		

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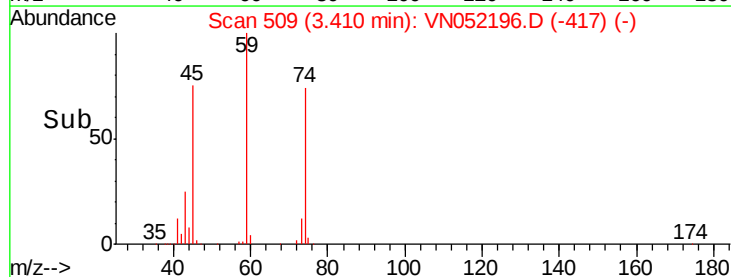
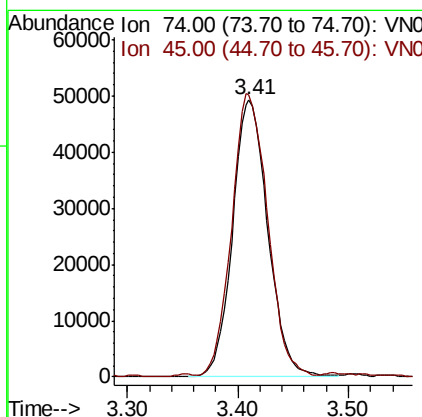
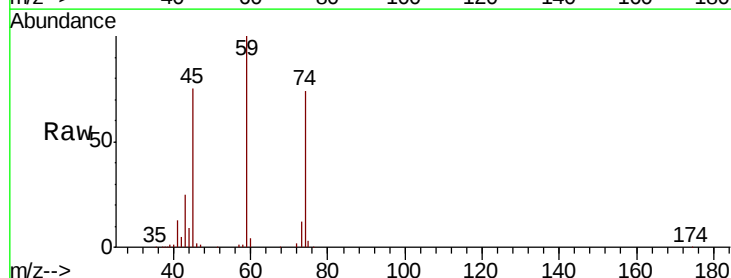
MMDadoda
 11/8/2018 9:13:42 AM

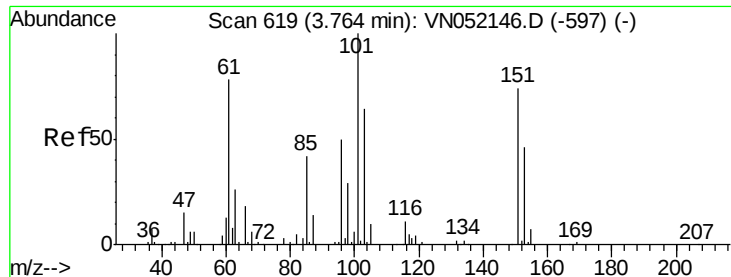


#8

Diethyl Ether
 Concen: 49.814 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		109170		
45	102.7	49.1	147.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.664 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

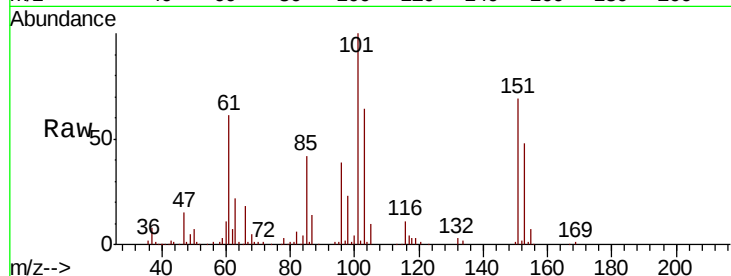
ClientSampleId :

VSTDCCC050

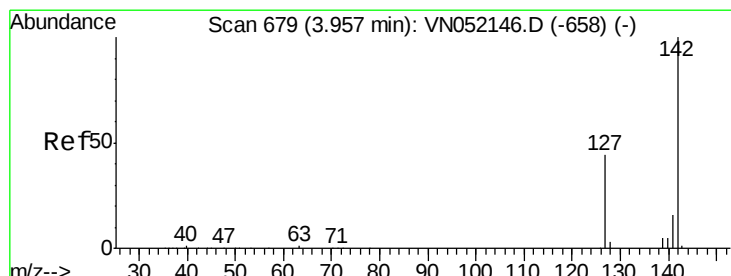
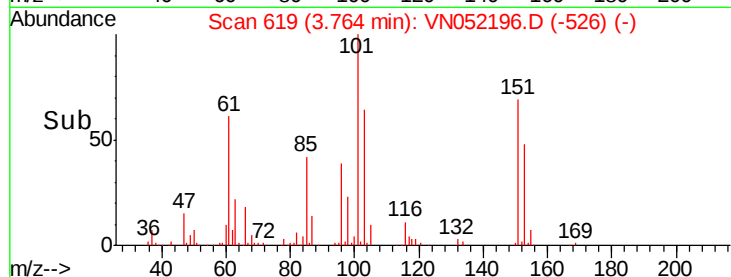
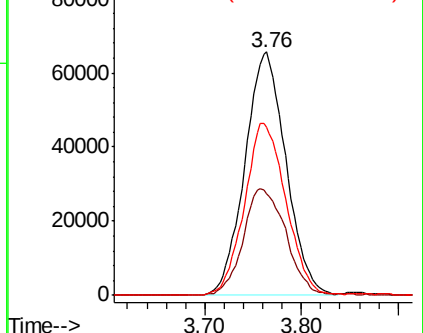
Tot Ion:	101	Resp:	193664
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.1	54.1
151	71.2	59.7	89.5

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



#10

Methyl Iodide

Concen: 48.175 ug/l

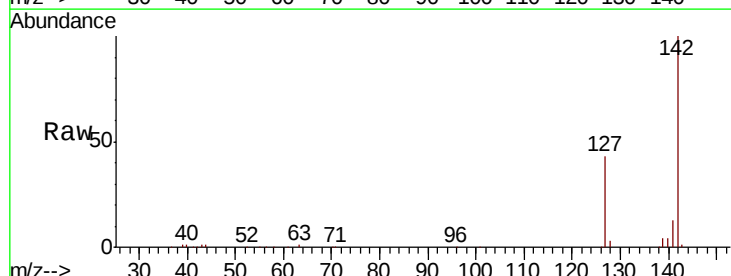
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

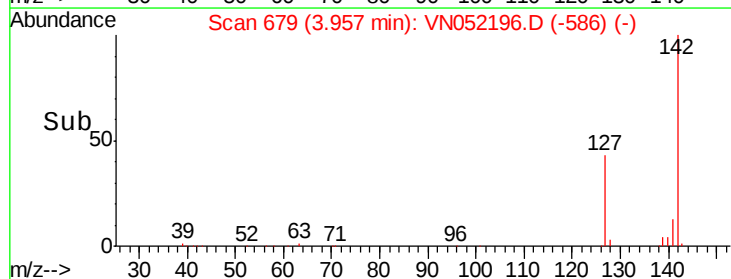
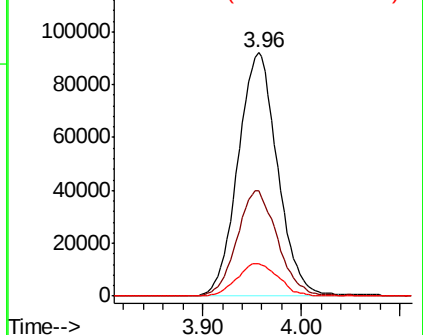
Lab File: VN052196.D

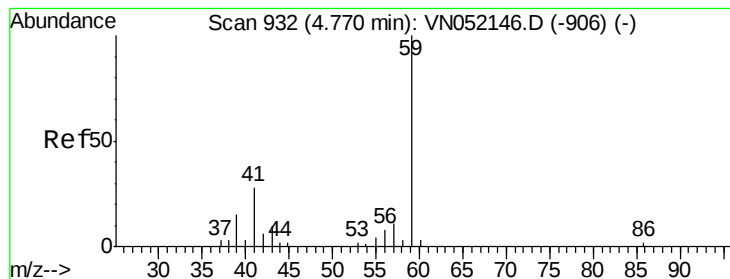
Acq: 7 Nov 2018 8:57

Tgt Ion:	142	Resp:	254963
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.0	54.0
141	14.1	11.8	17.6



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





#11

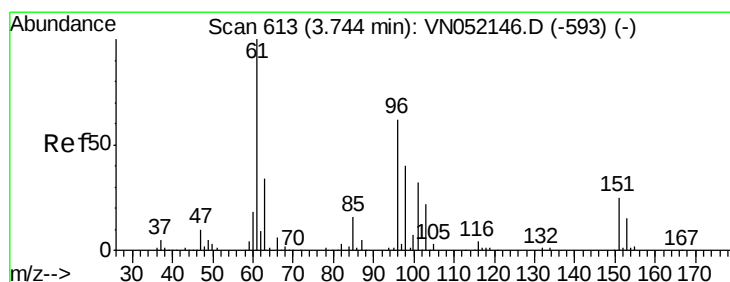
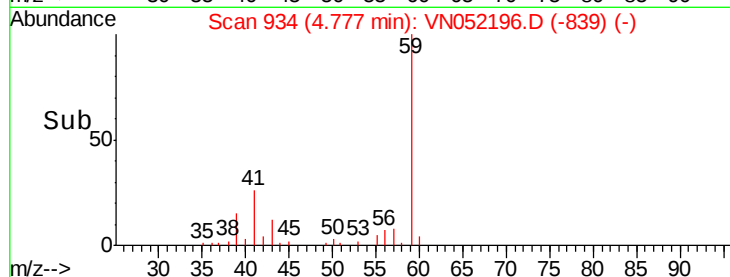
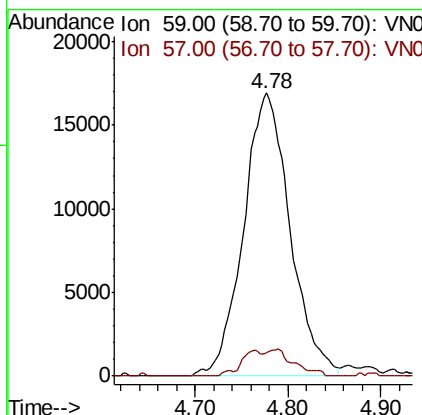
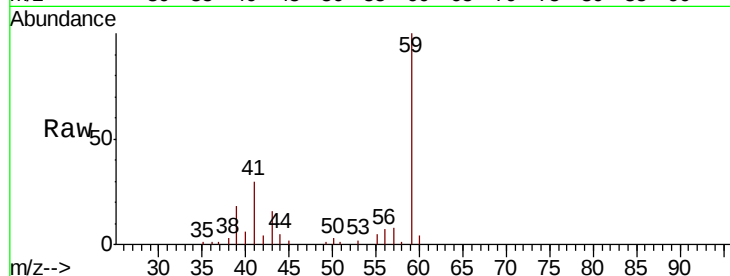
Tert butyl alcohol
 Concen: 299.200 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.01 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.3	5.7	8.5#

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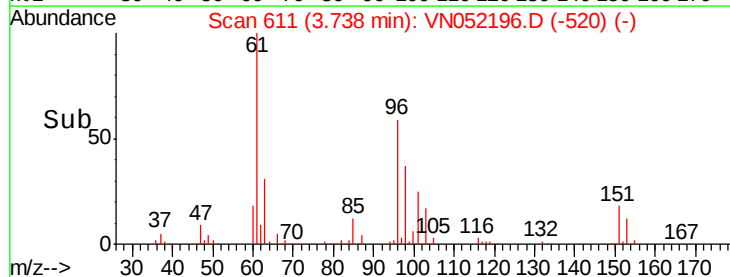
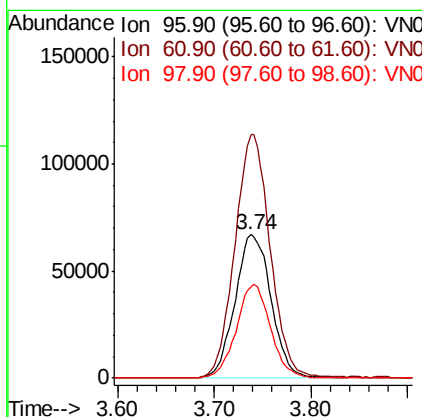
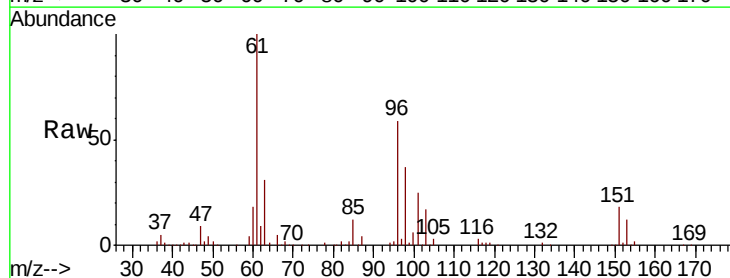
MMDadoda
 11/8/2018 9:13:42 AM

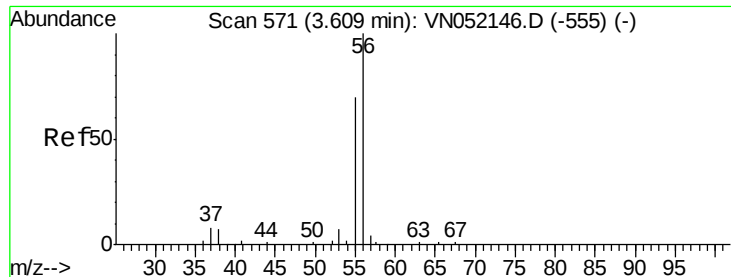


#12

1,1-Dichloroethene
 Concen: 49.217 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	128.4	192.6
98	63.2	50.9	76.3





#13

Acrolein

Concen: 208.389 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40177

Ion Ratio Lower Upper

56 100

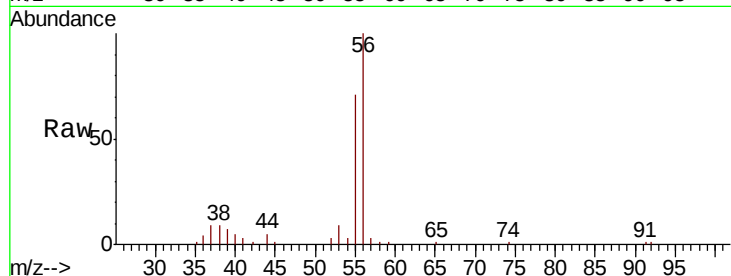
55 71.2 56.6 84.8

Manual Integrations

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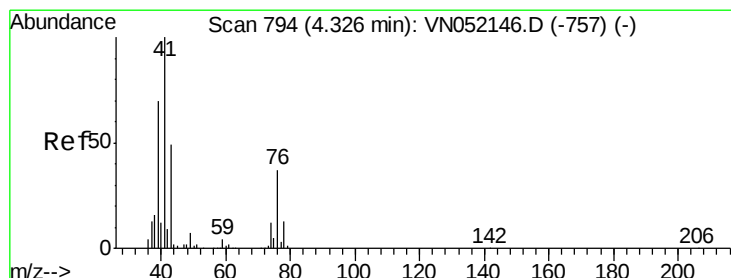
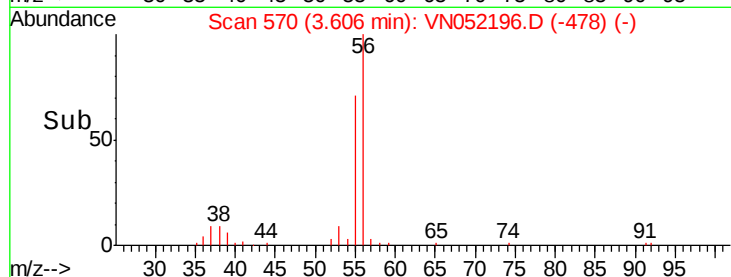
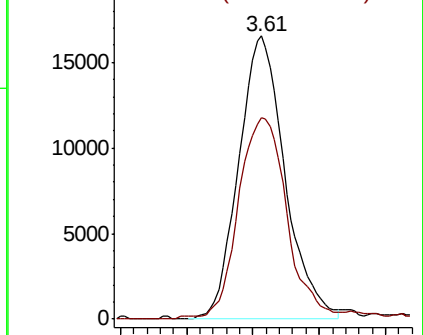
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 53.587 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

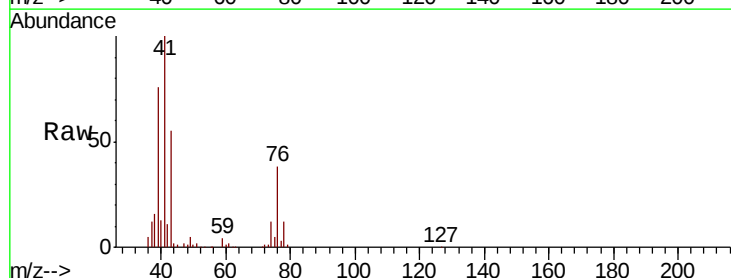
Tgt Ion: 41 Resp: 315628

Ion Ratio Lower Upper

41 100

39 71.5 55.3 82.9

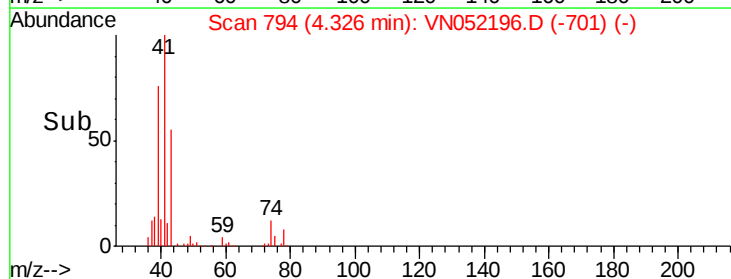
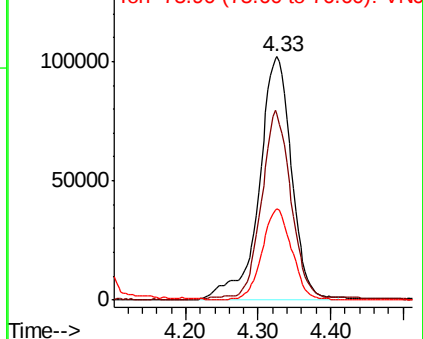
76 34.7 27.8 41.8

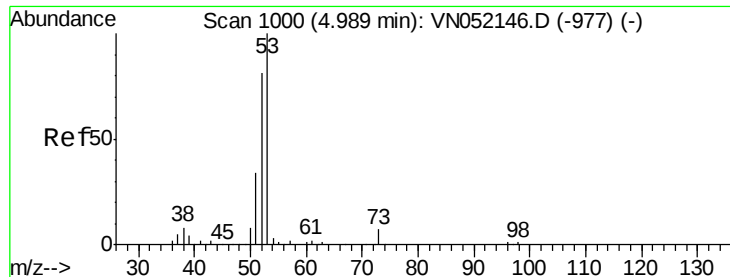


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 271.999 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052196.D

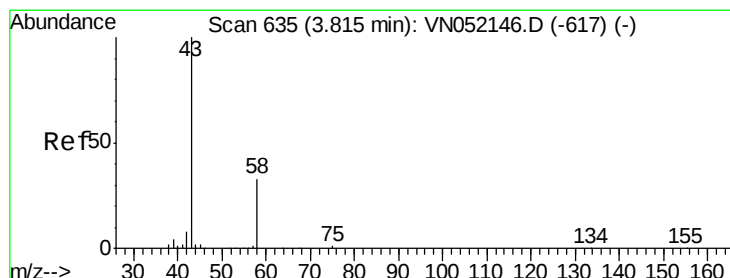
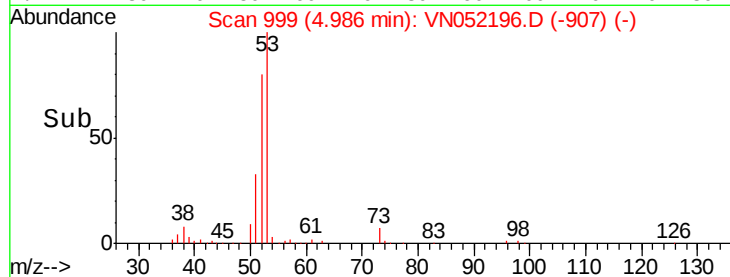
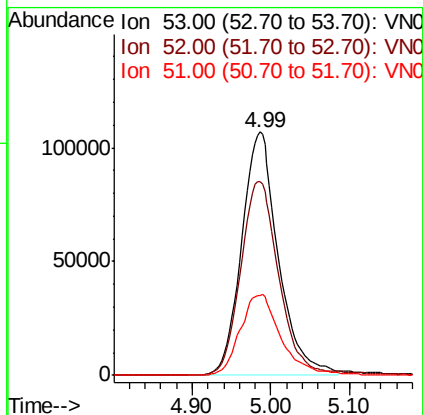
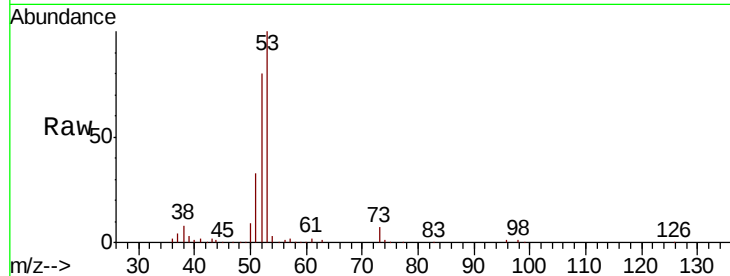
Acq: 7 Nov 2018 8:57

Tot Ion:	53	Resp:	351637
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.5	99.7
51	36.0	29.2	43.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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#16

Acetone

Concen: 279.746 ug/l

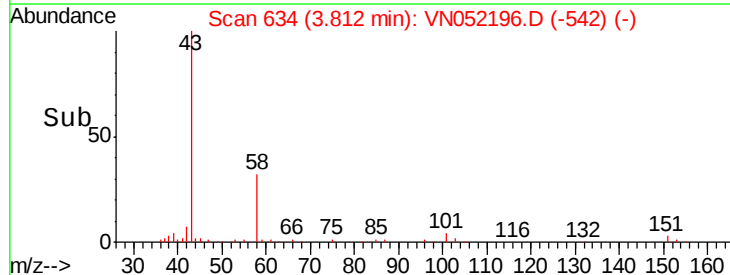
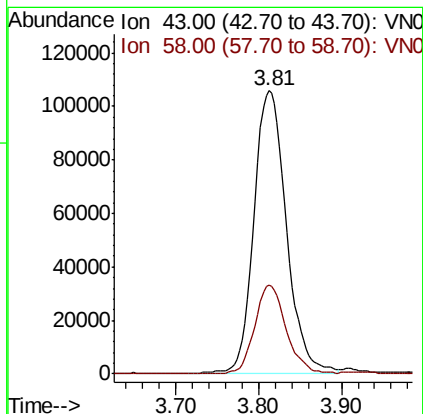
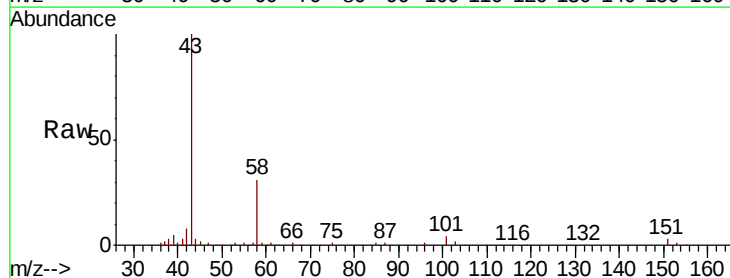
RT: 3.81 min Scan# 634

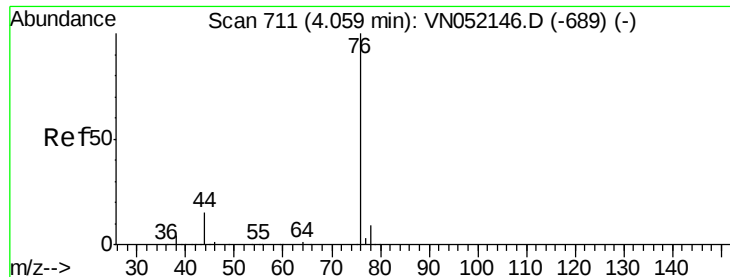
Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Tgt Ion:	43	Resp:	287907
Ion	Ratio	Lower	Upper
43	100		
58	31.3	26.2	39.2





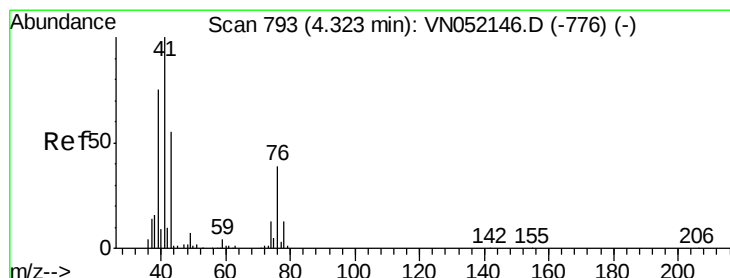
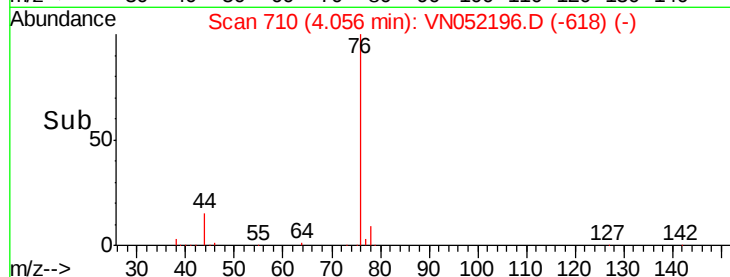
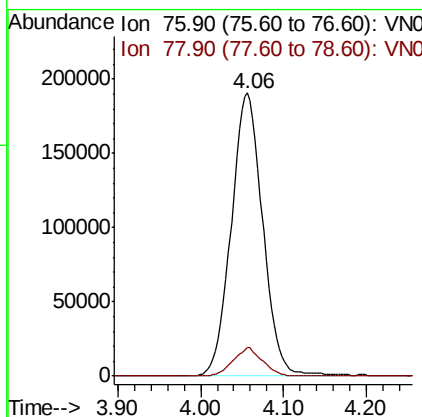
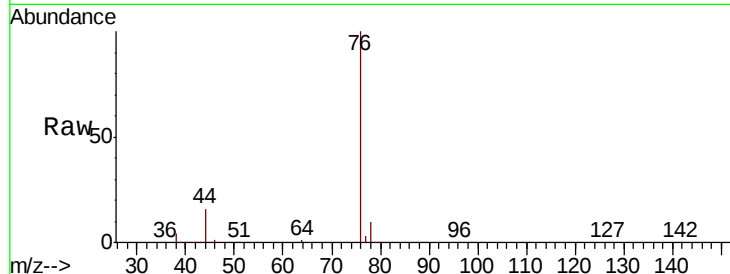
#17
Carbon Disulfide
Concen: 50.039 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.0	10.6

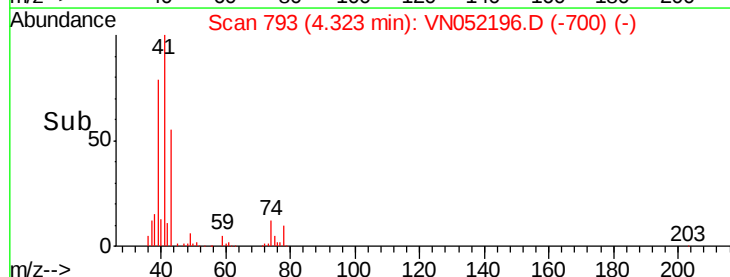
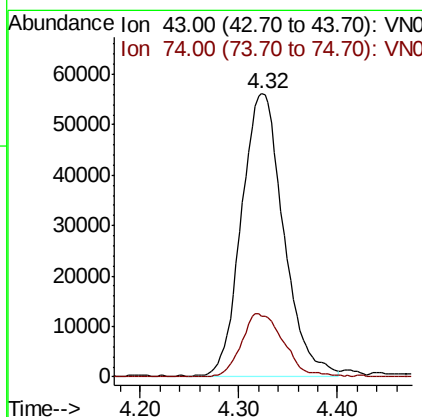
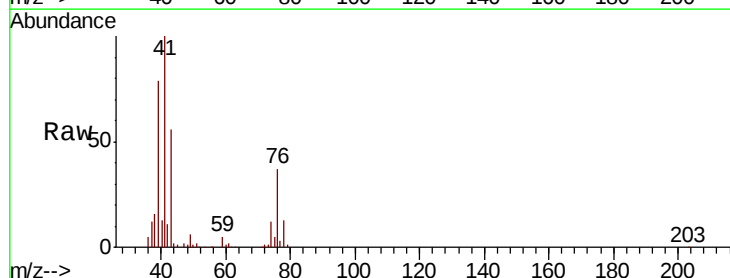
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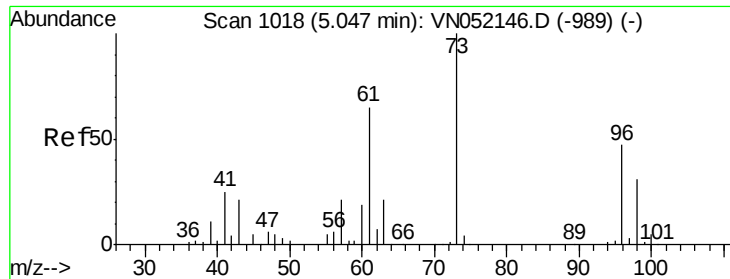
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#18
Methyl Acetate
Concen: 50.408 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	19.3	28.9





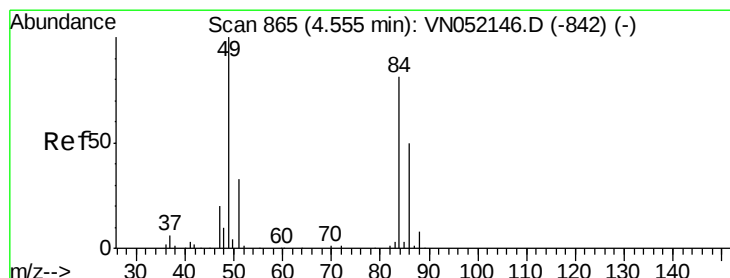
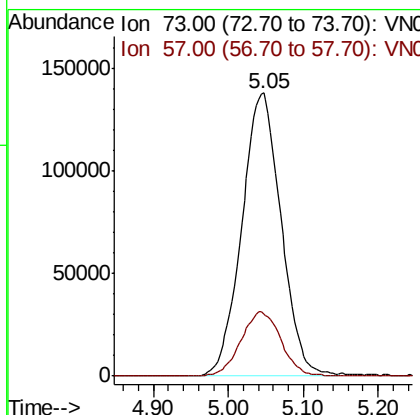
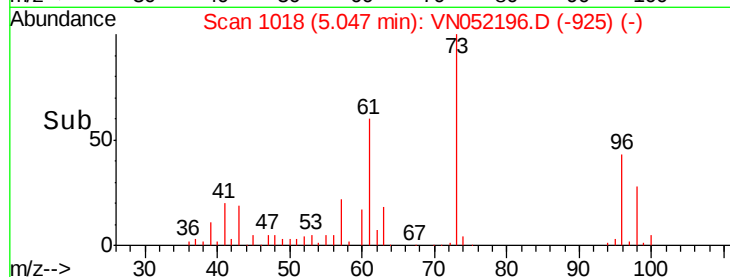
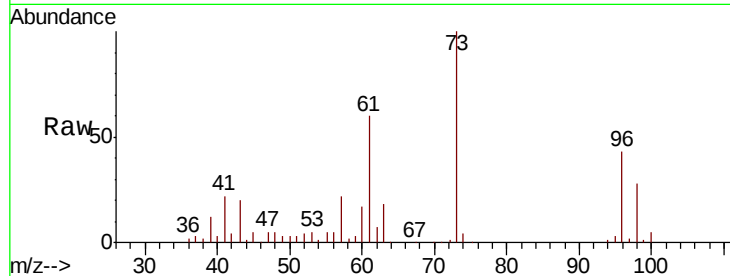
#19
Methvl tert-butvl Ether
Concen: 52.046 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 505492
Ion Ratio Lower Upper
73 100
57 22.0 16.8 25.2

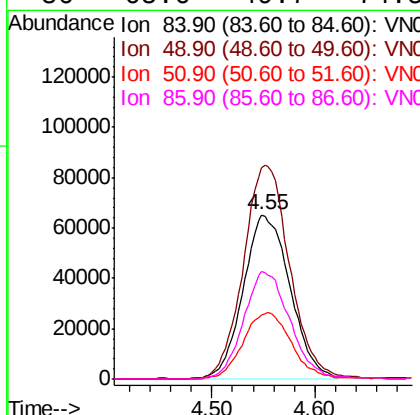
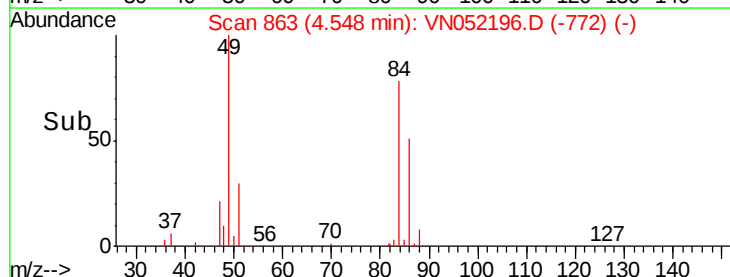
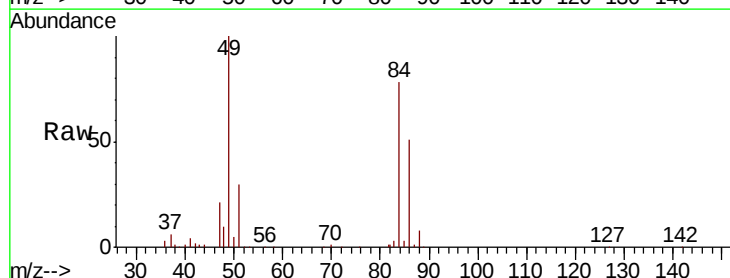
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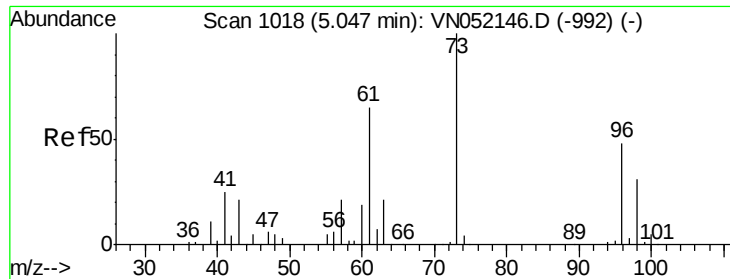
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#20
Methylene Chloride
Concen: 48.136 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion: 84 Resp: 205844
Ion Ratio Lower Upper
84 100
49 128.3 98.4 147.6
51 38.7 32.5 48.7
86 65.6 49.7 74.5





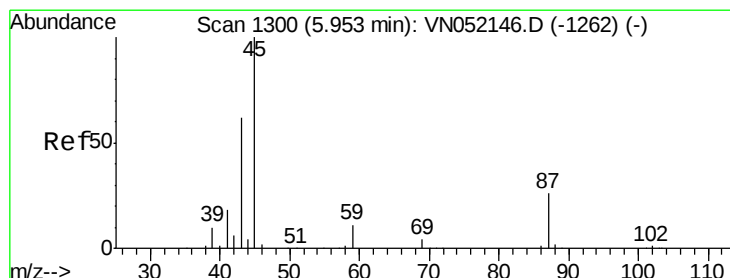
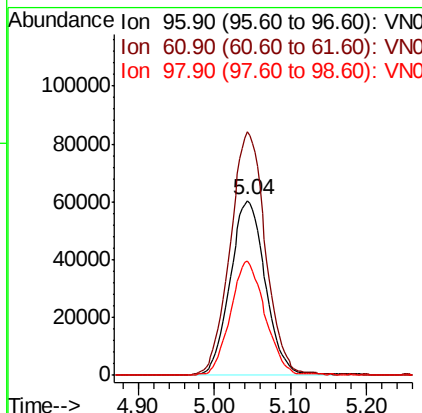
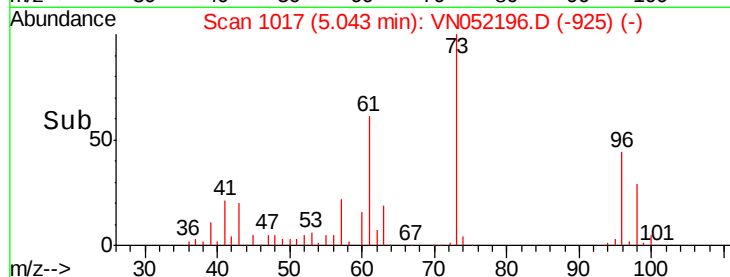
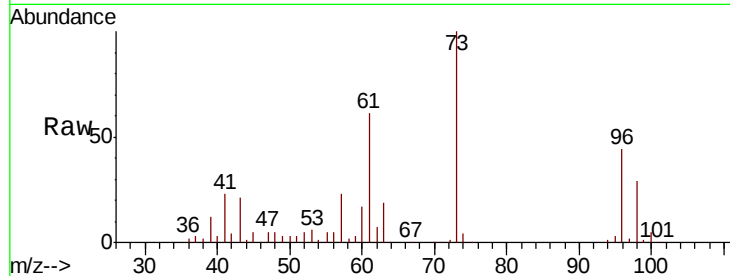
#21
trans-1,2-Dichloroethene
Concen: 49.874 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	109.6	164.4
98	65.5	52.0	78.0

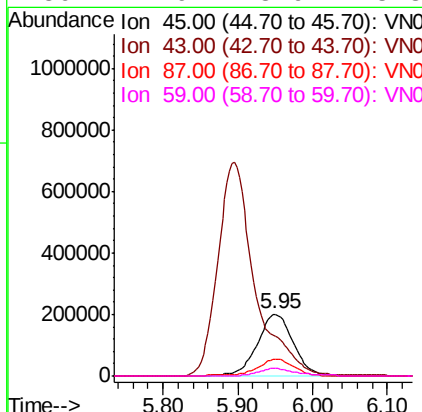
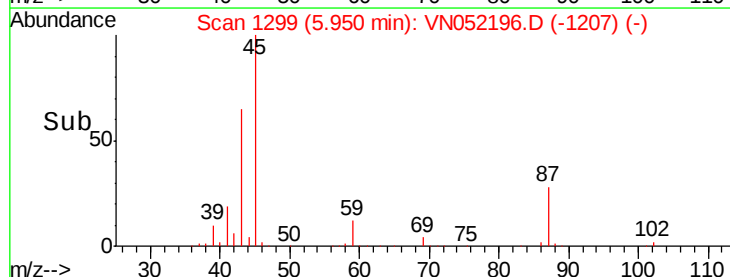
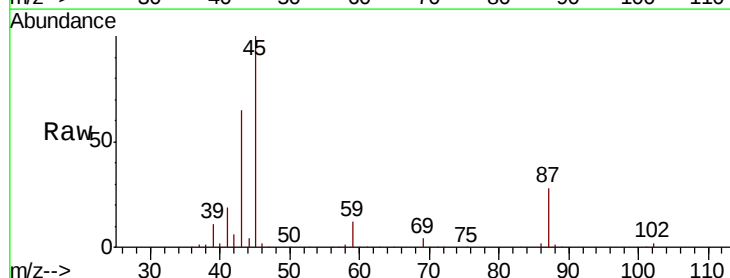
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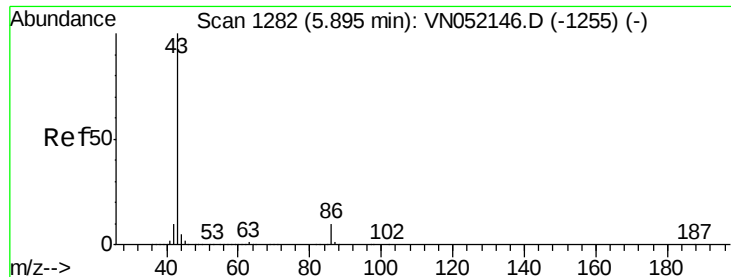
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#22
Diisopropyl ether
Concen: 52.219 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	49.8	74.6
87	27.3	21.1	31.7
59	11.9	8.9	13.3





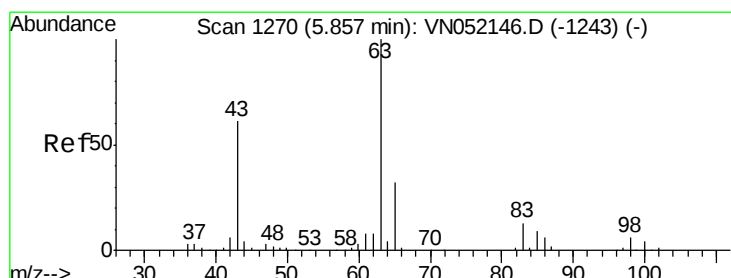
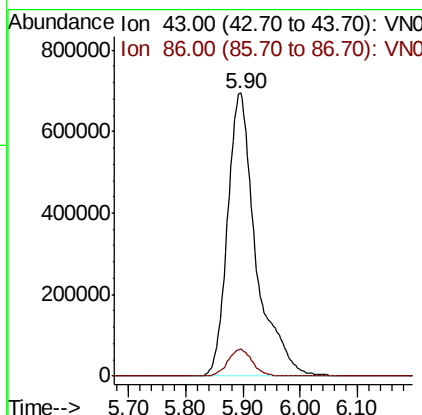
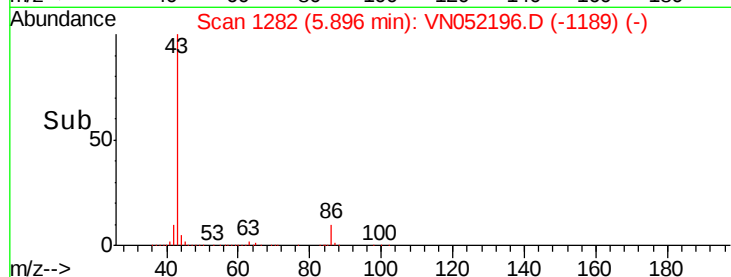
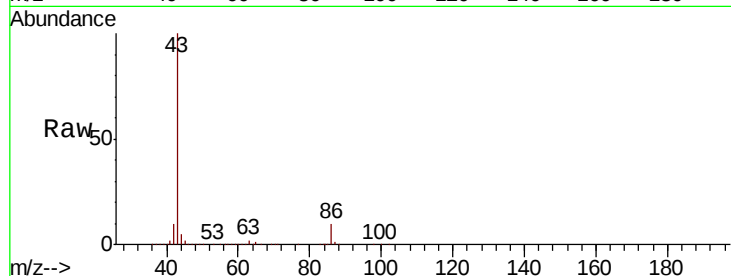
#23
 Vinyl Acetate
 Concen: 280.252 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2393557
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.9 11.9

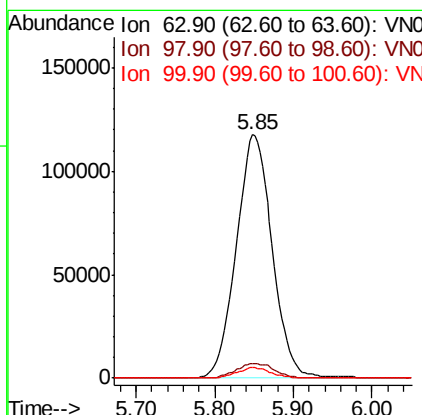
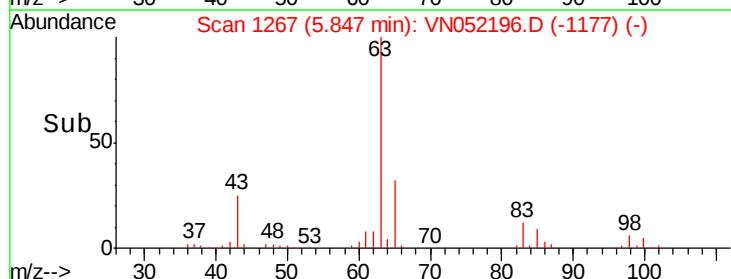
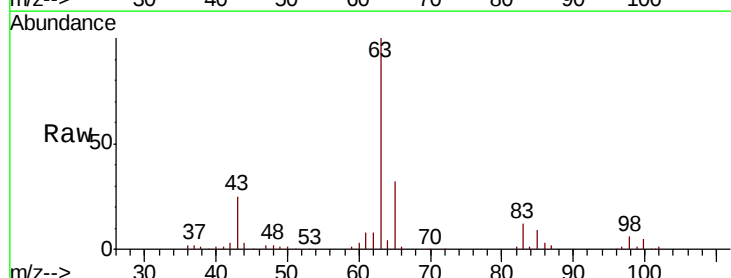
Manual Integrations
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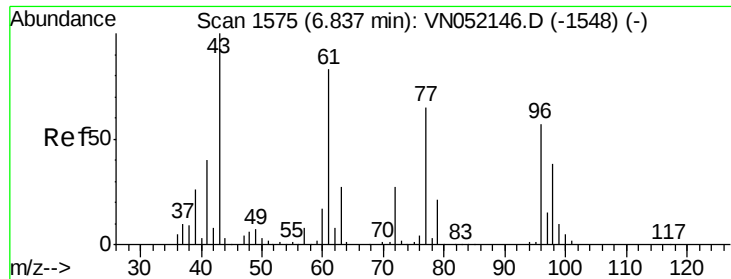
MMDadoda
 11/8/2018 9:13:42 AM



#24
 1,1-Dichloroethane
 Concen: 51.106 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Tgt Ion: 63 Resp: 375166
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.1 9.4
 100 4.5 2.1 6.2





#25

2-Butanone

Concen: 275.265 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 439287

Ion Ratio Lower Upper

43 100

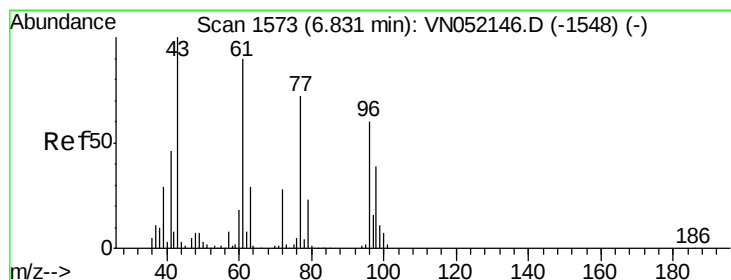
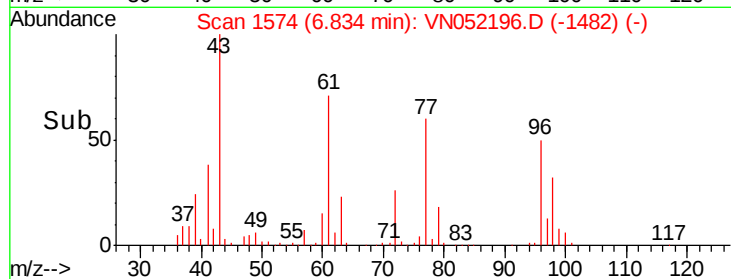
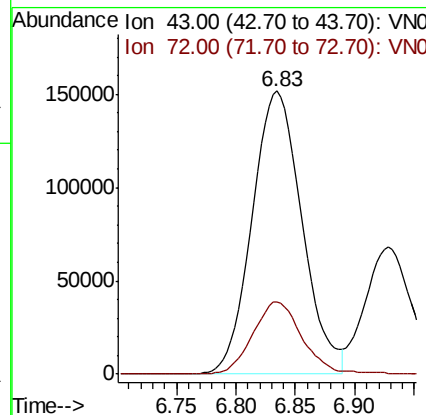
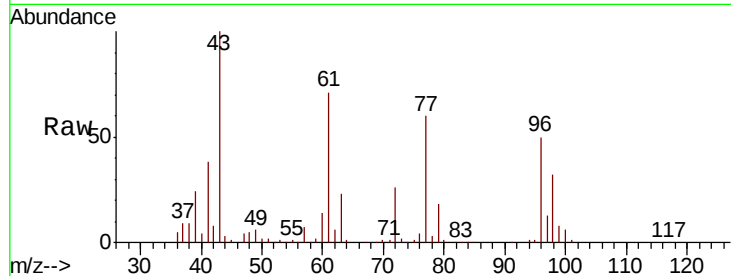
72 25.6 21.4 32.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.673 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052196.D

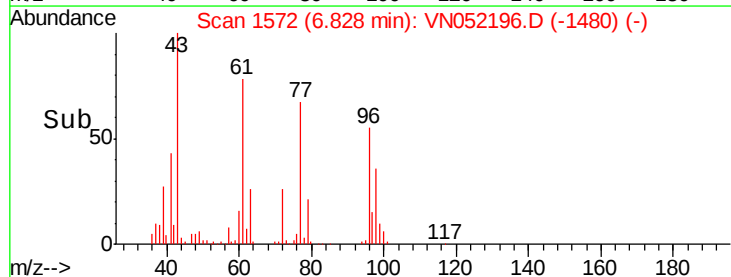
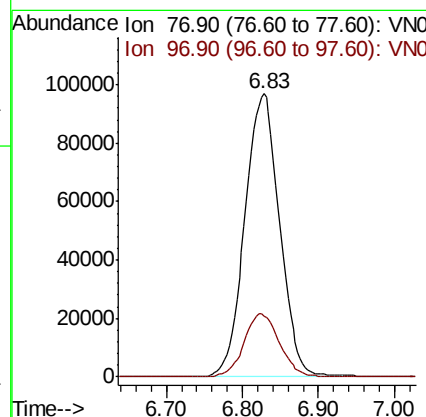
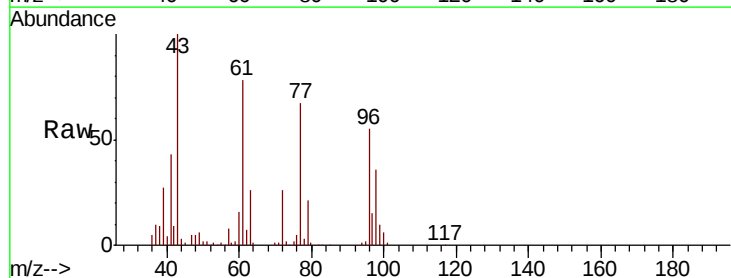
Acq: 7 Nov 2018 8:57

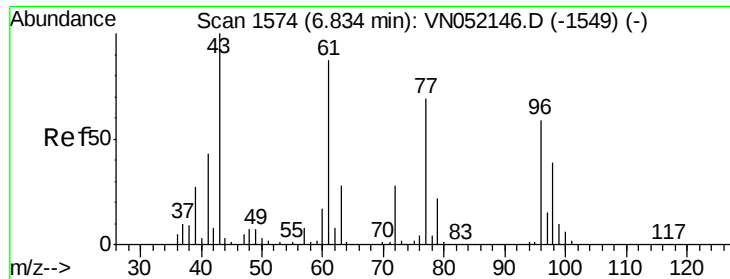
Tgt Ion: 77 Resp: 308365

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 51.299 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

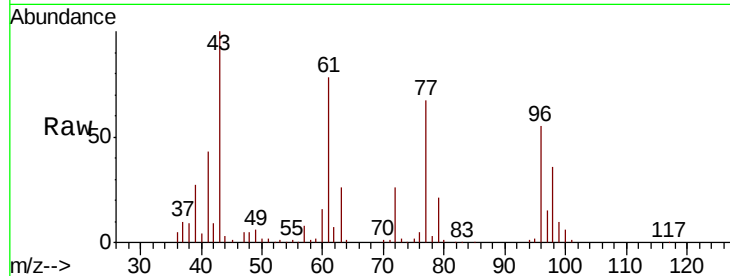
ClientSampleId :

VSTDCCC050

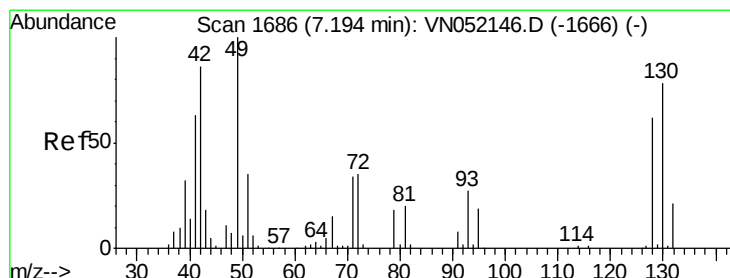
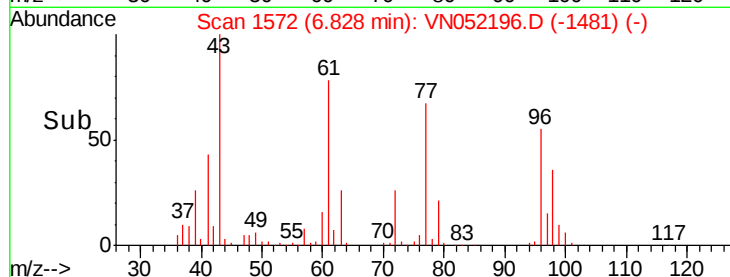
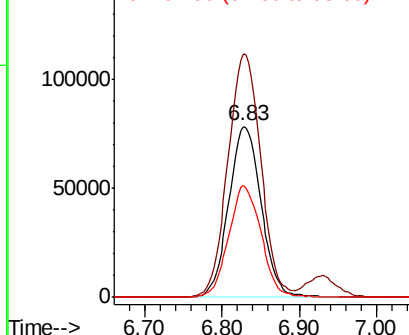
Tot Ion:	96	Resp:	228392
Ion Ratio	Lower	Upper	
96	100		
61	144.2	0.0	291.8
98	65.1	0.0	130.0

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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 53.284 ug/l

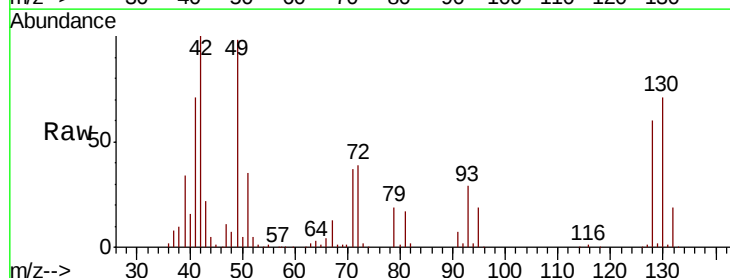
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

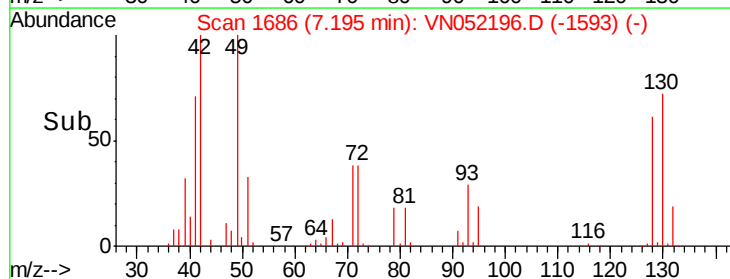
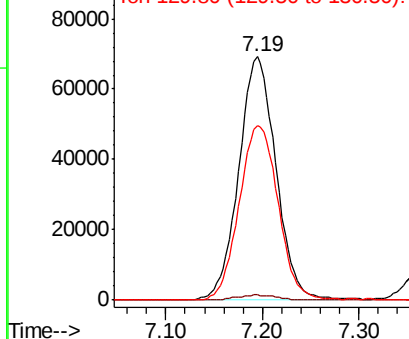
Lab File: VN052196.D

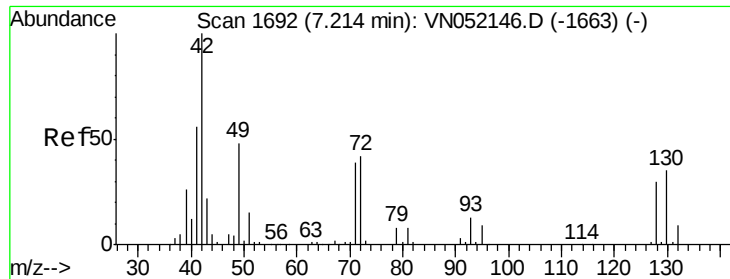
Acq: 7 Nov 2018 8:57

Tgt Ion:	49	Resp:	185068
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	75.0	59.8	89.6



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO





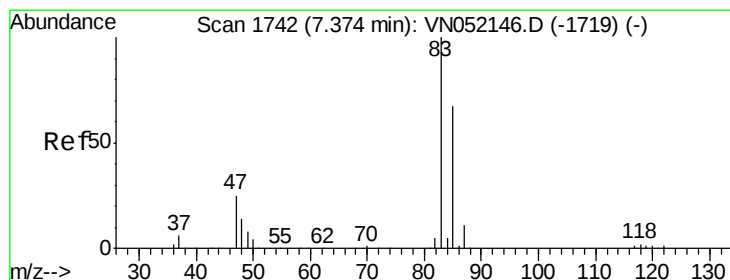
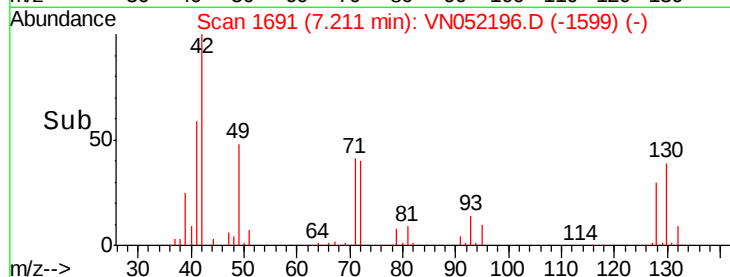
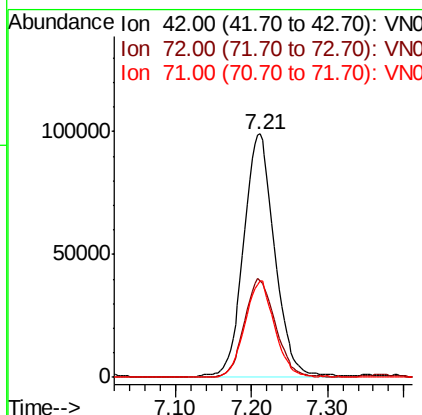
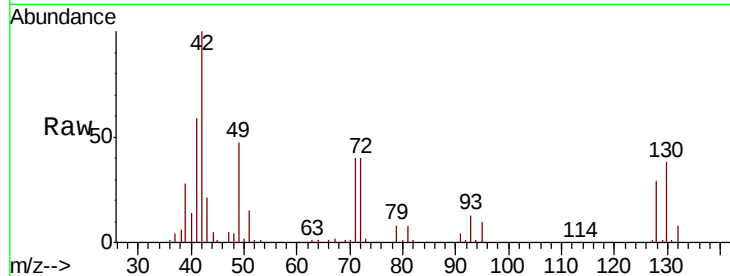
#29
Tetrahydrofuran
Concen: 286.679 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.3	48.5
71	37.7	31.0	46.6

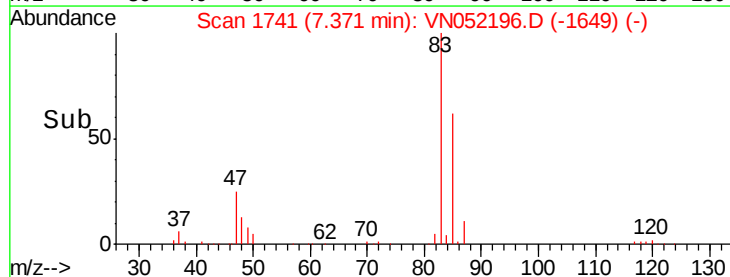
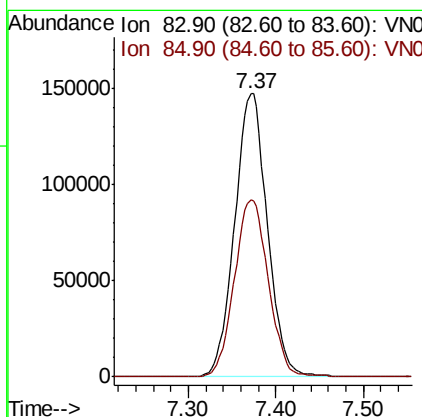
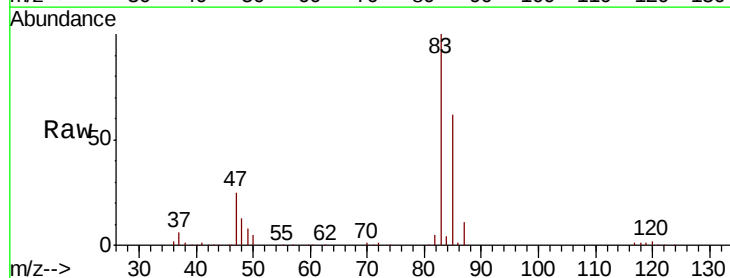
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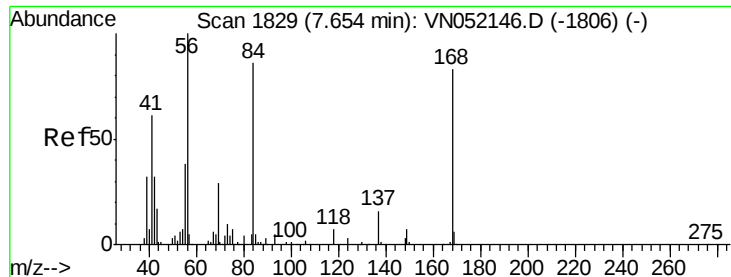
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#30
Chloroform
Concen: 52.363 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	53.7	80.5





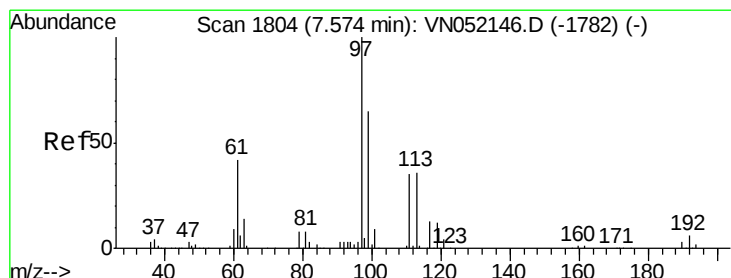
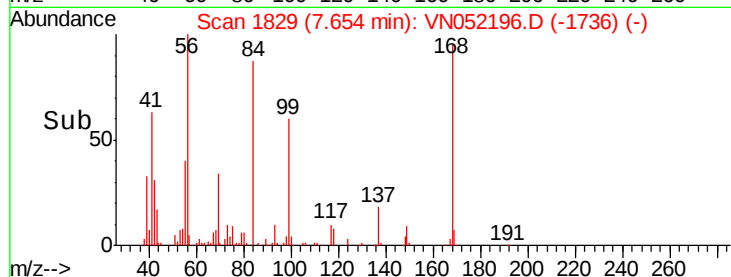
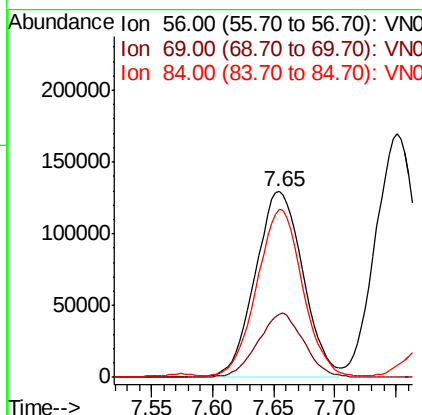
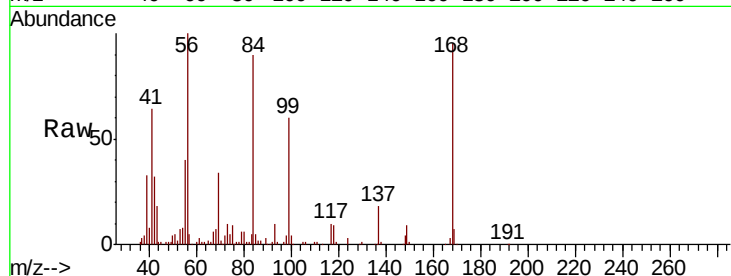
#31
Cyclohexane
Concen: 52.098 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.5	35.3
84	88.4	68.7	103.1

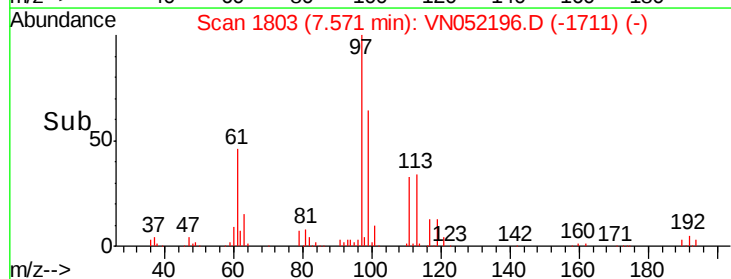
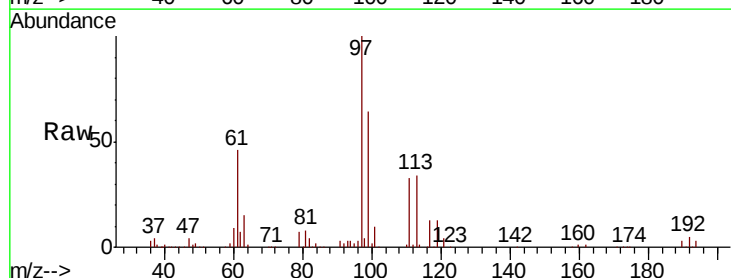
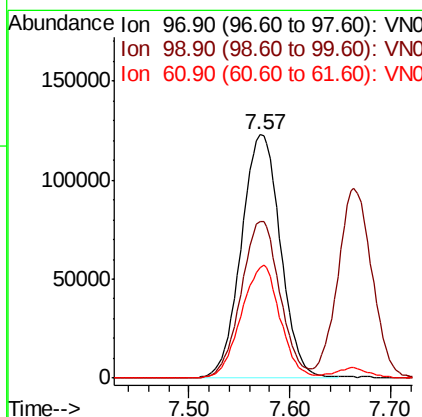
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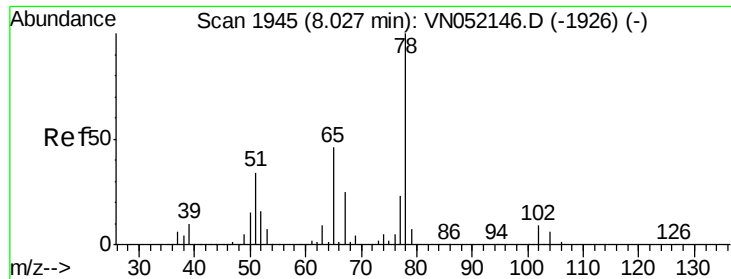
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#32
1,1,1-Trichloroethane
Concen: 51.384 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	46.1	35.1	52.7





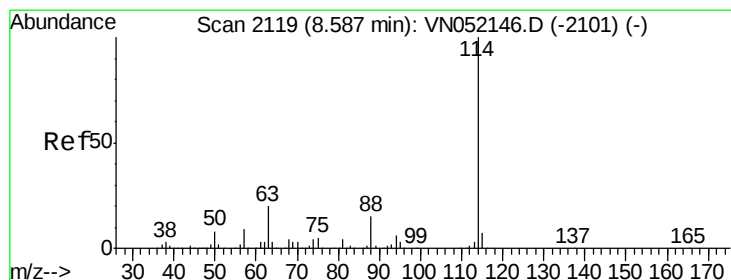
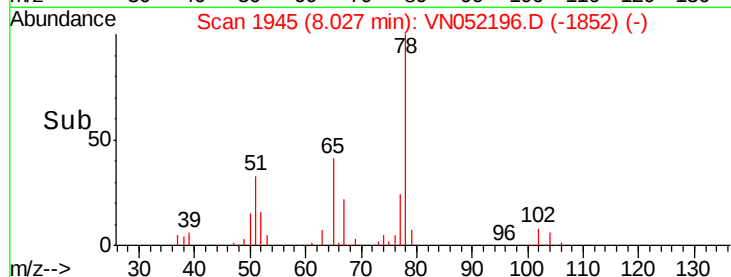
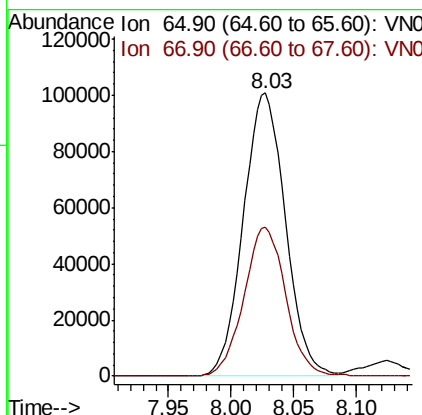
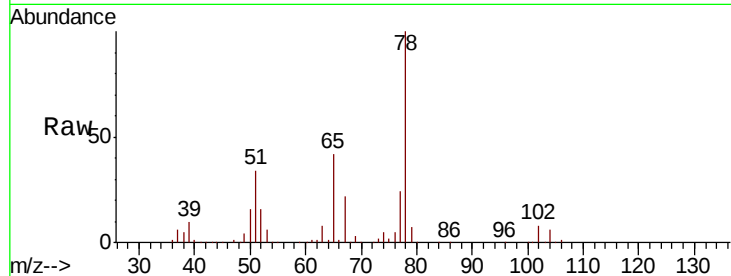
#33
 1,2-Dichloroethane-d4
 Concen: 51.384 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	235516		
67	52.3	0.0	107.6	

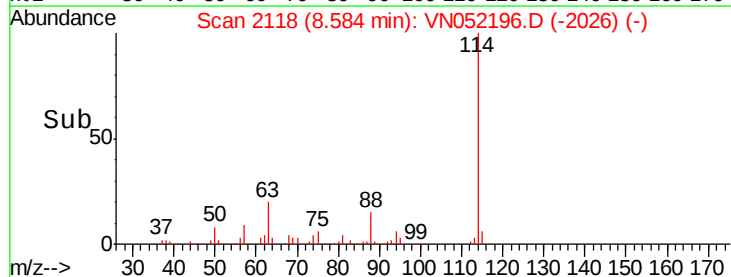
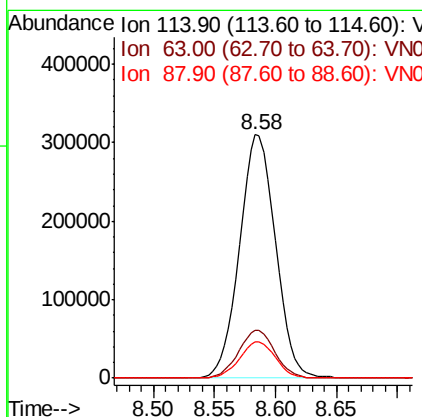
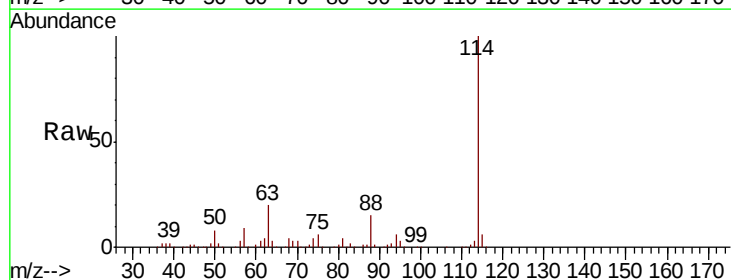
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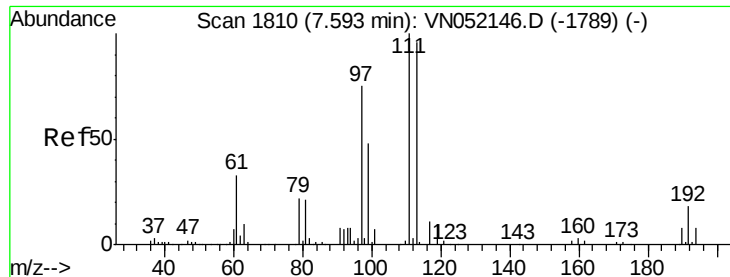
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	631225		
63	19.7	0.0	40.0	
88	14.7	0.0	31.0	





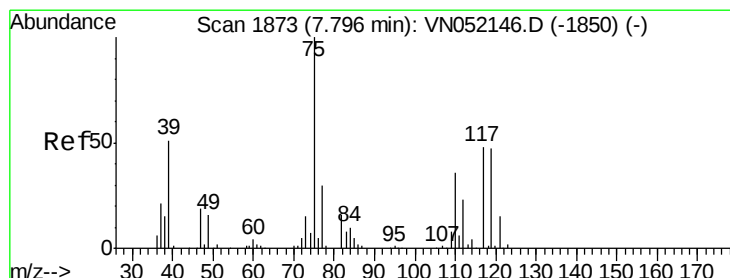
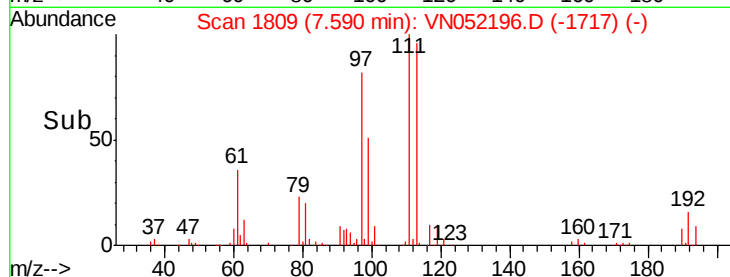
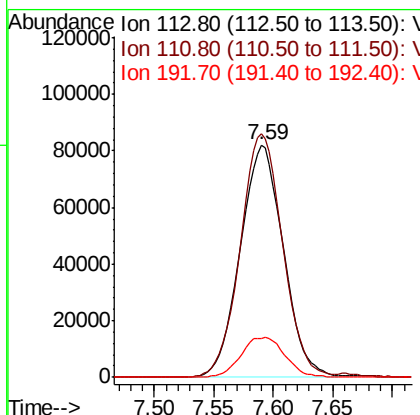
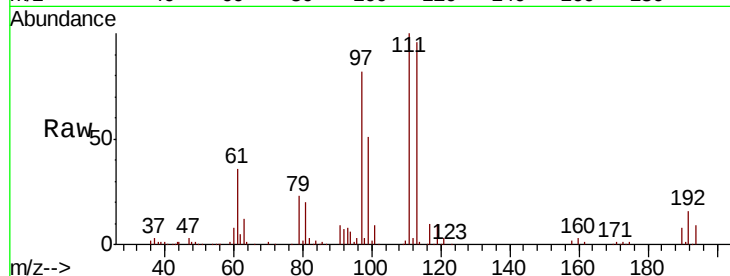
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205846		
111	103.1	81.7	122.5	
192	17.7	14.2	21.4	

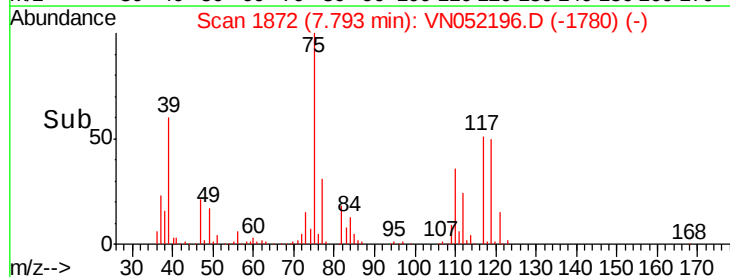
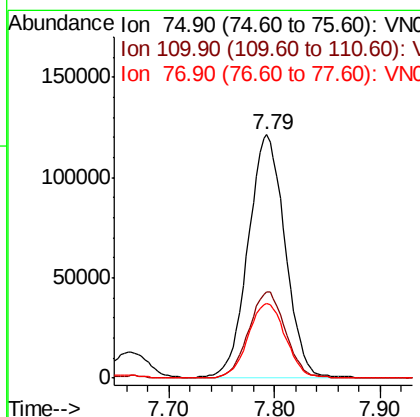
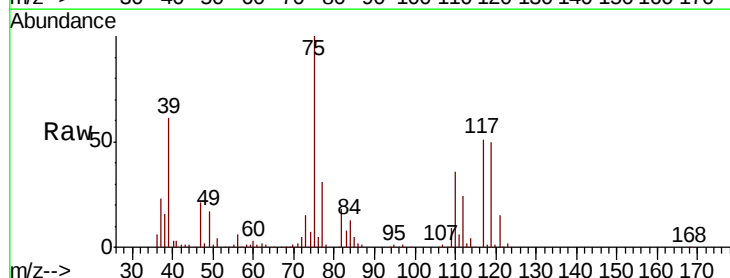
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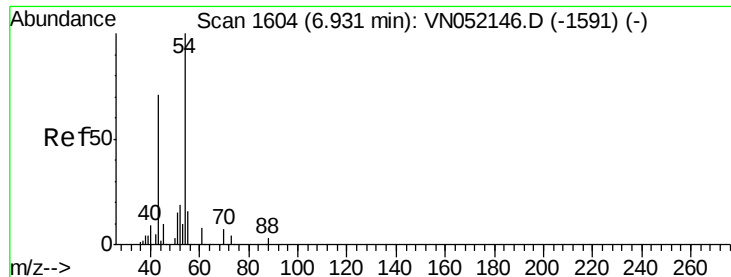
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#36
1,1-Dichloropropene
Concen: 52.687 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	294203		
110	35.8	17.8	53.5	
77	31.6	24.0	36.0	





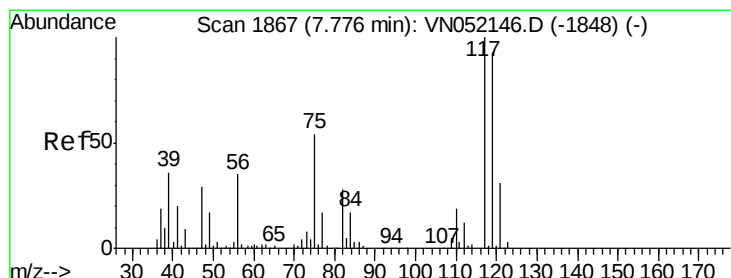
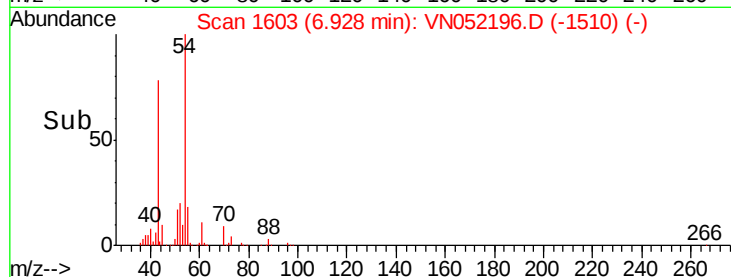
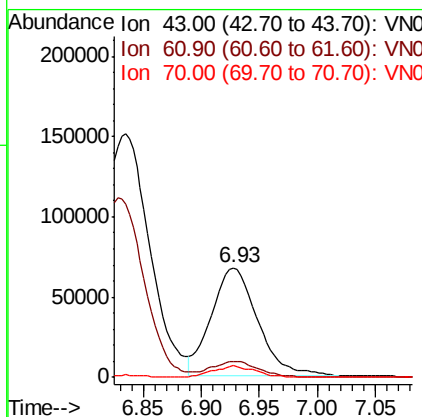
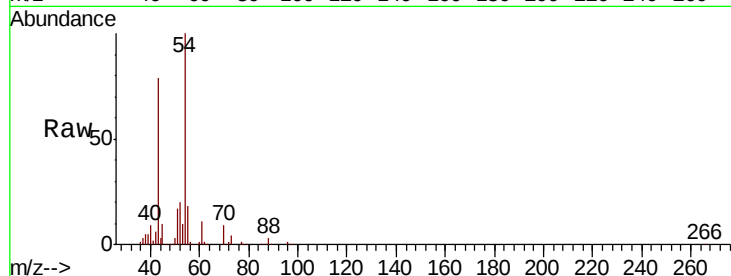
#37
Ethyl Acetate
Concen: 54.521 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	9.4	14.2
70	10.1	7.6	11.4

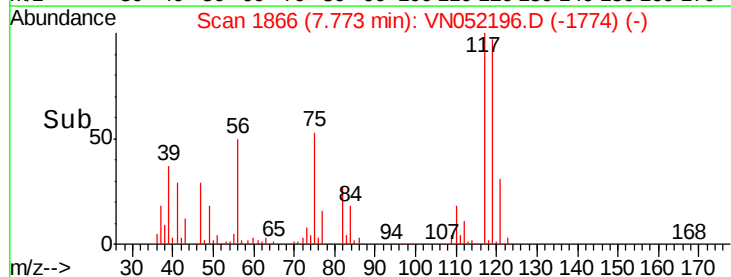
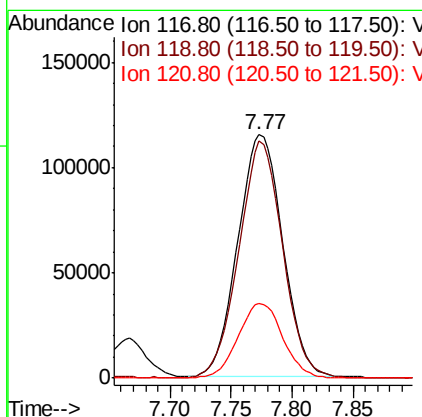
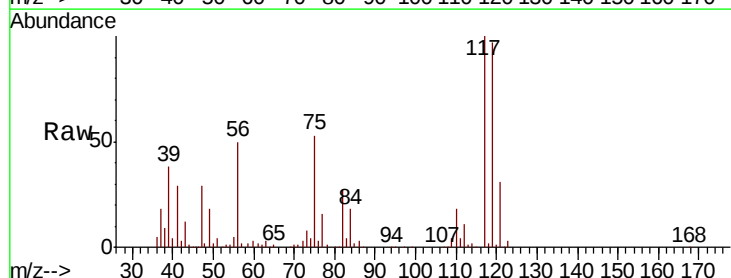
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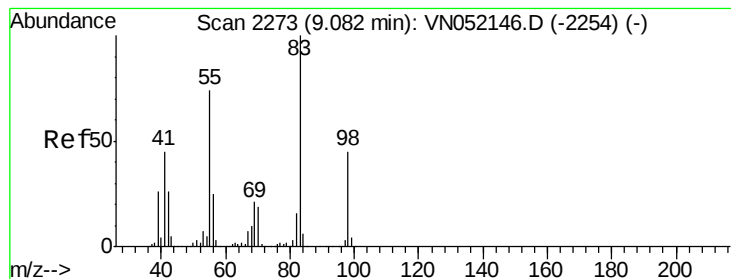
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#38
Carbon Tetrachloride
Concen: 52.477 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.7	112.1
121	30.7	24.5	36.7





#39

Methvlcvclohexane

Concen: 56.319 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

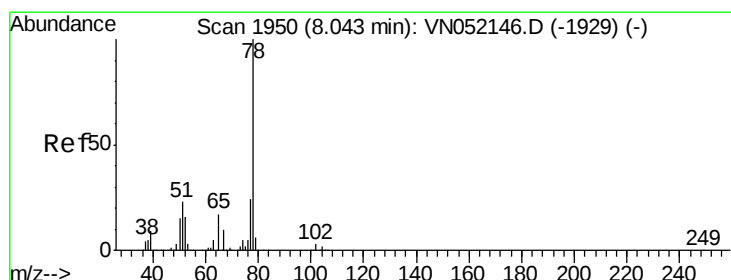
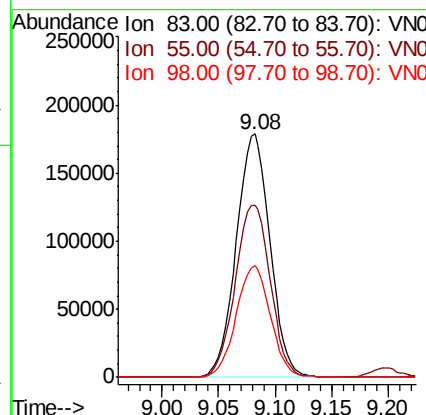
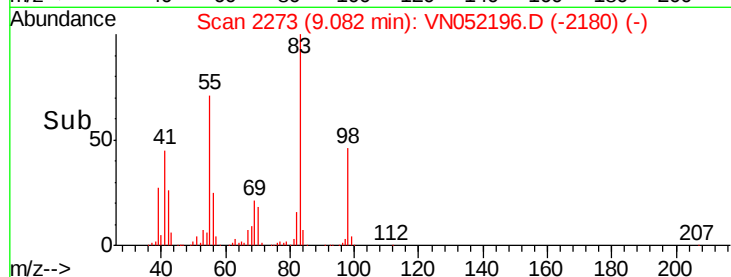
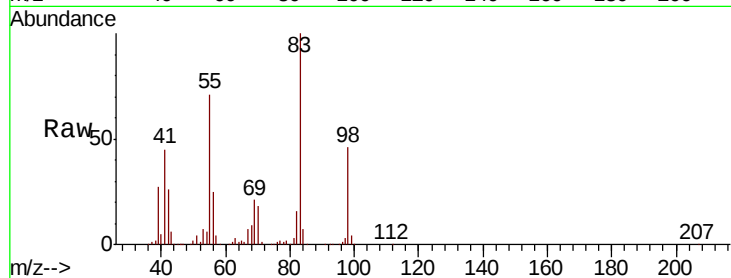
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	372456
Ion Ratio	Lower	Upper	
83	100		
55	70.9	59.4	89.2
98	45.8	36.3	54.5

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#40

Benzene

Concen: 52.606 ug/l

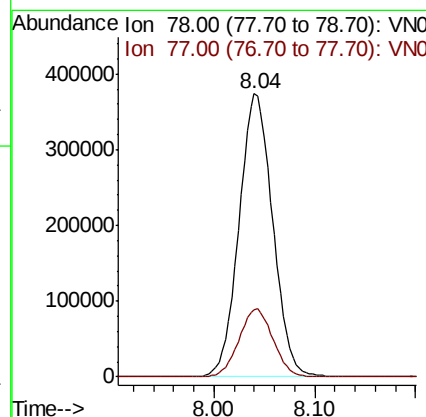
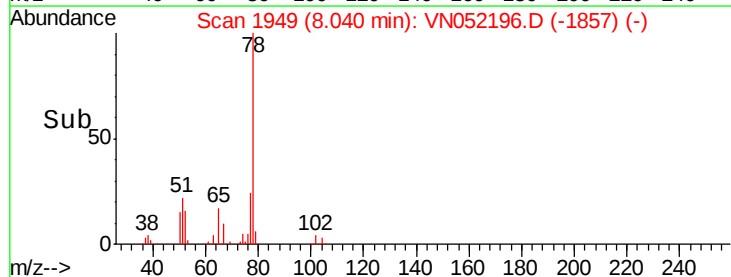
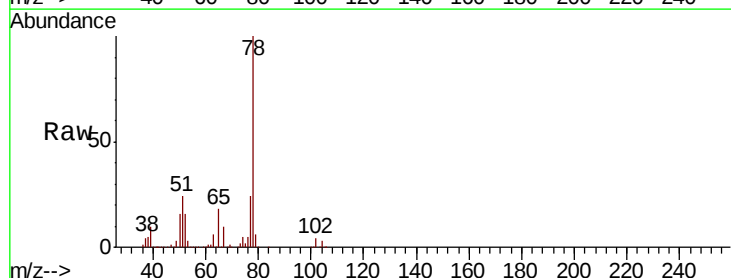
RT: 8.04 min Scan# 1949

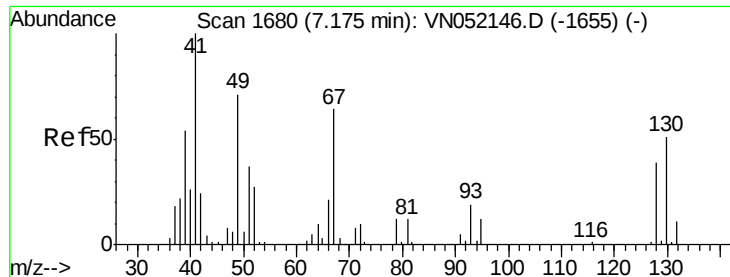
Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Tgt Ion:	78	Resp:	863551
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.1	28.7





#41

Methacrylonitrile

Concen: 56.386 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 109115
Ion Ratio Lower Upper

41 100

39 61.1 49.6 74.4

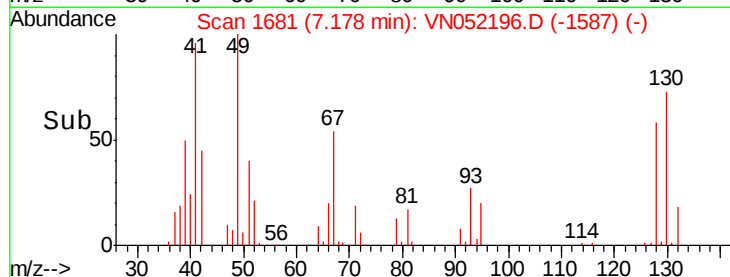
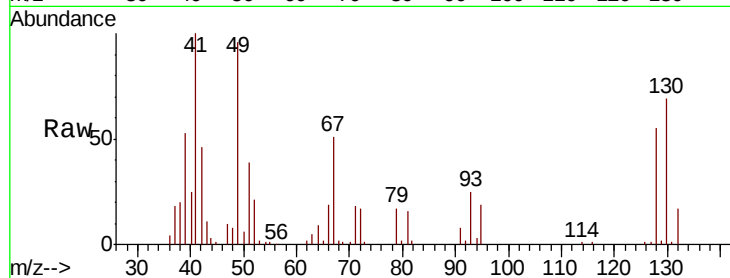
67 75.8 65.4 98.2

52 31.0 27.2 40.8

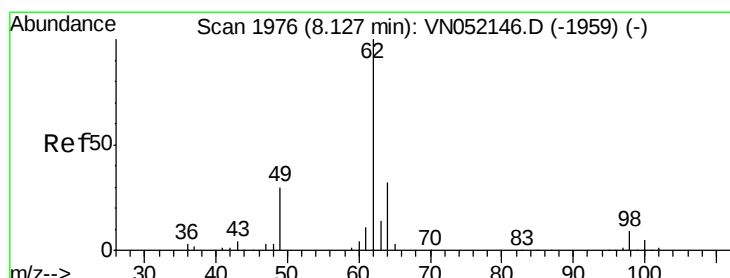
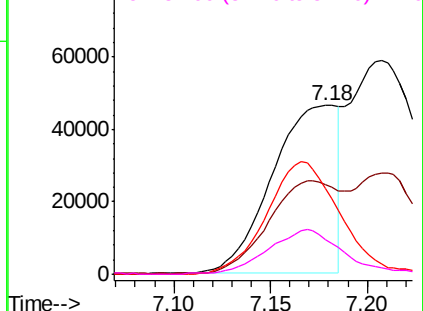
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Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 52.744 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

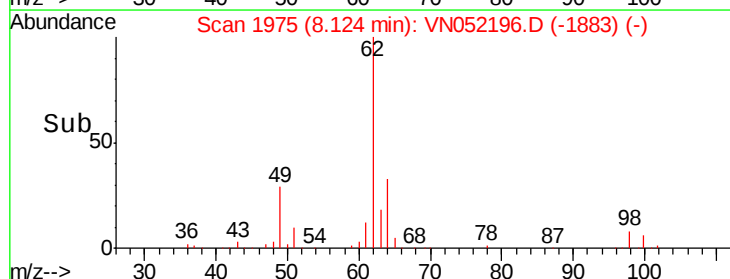
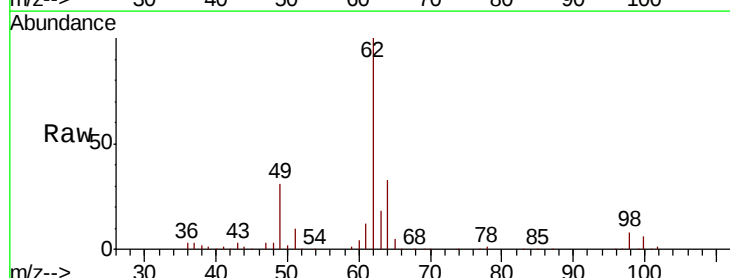
Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

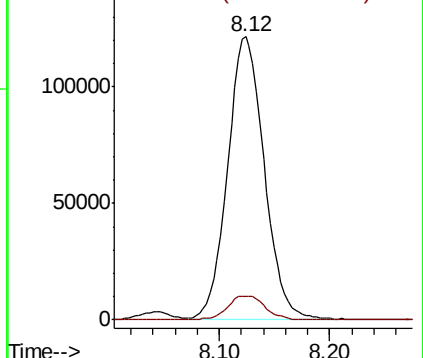
Tgt Ion: 62 Resp: 278331
Ion Ratio Lower Upper

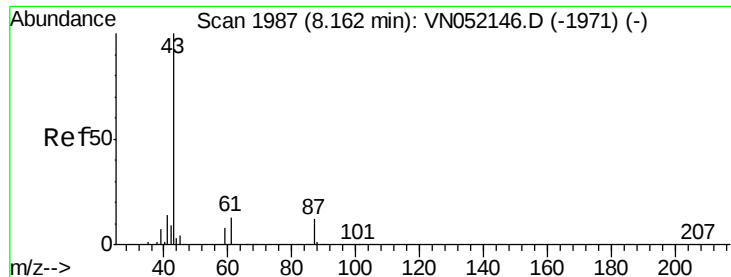
62 100

98 8.8 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





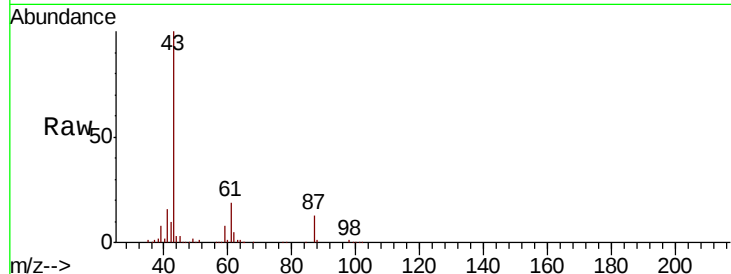
#43
Isopropyl Acetate
Concen: 55.024 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.5	32.3
87	12.6	10.2	15.2

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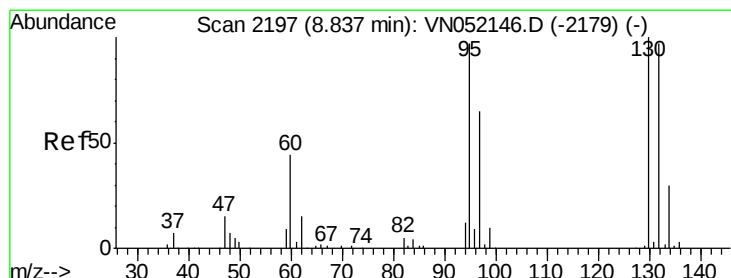
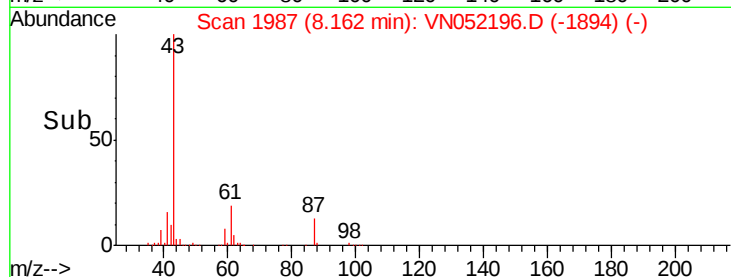
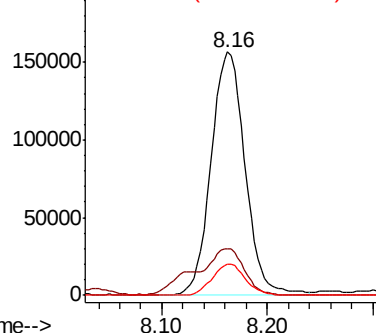


Abundance

Ion 43.00 (42.70 to 43.70): VN052146.D (-1971) (-)

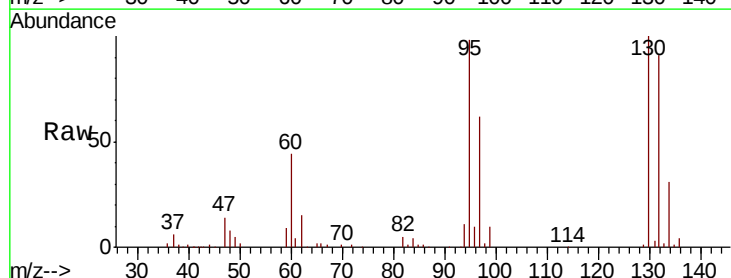
Ion 61.00 (60.70 to 61.70): VN052146.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052146.D (-1971) (-)



#44
Trichloroethene
Concen: 53.027 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

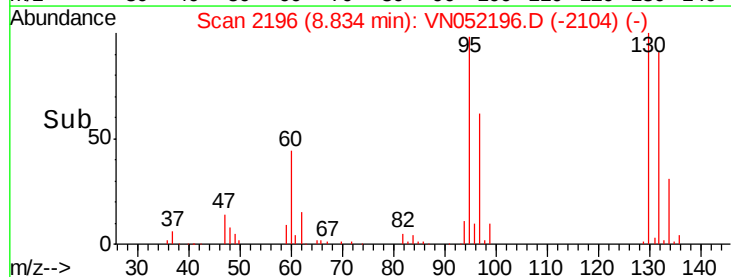
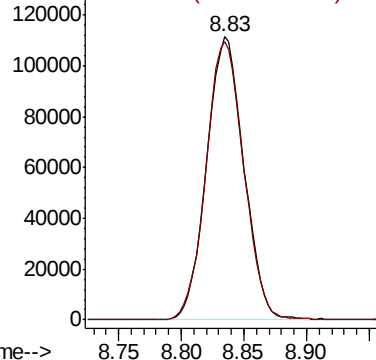
Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	193.8

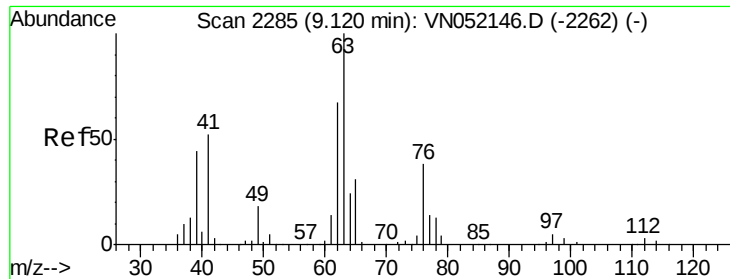


Abundance

Ion 129.80 (129.50 to 130.50): VN052196.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN052196.D (-2104) (-)





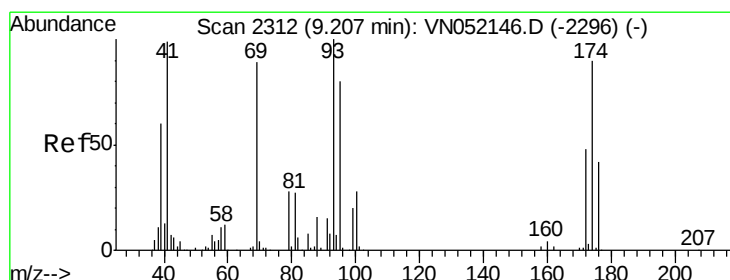
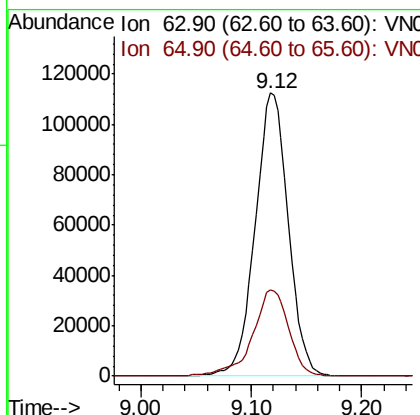
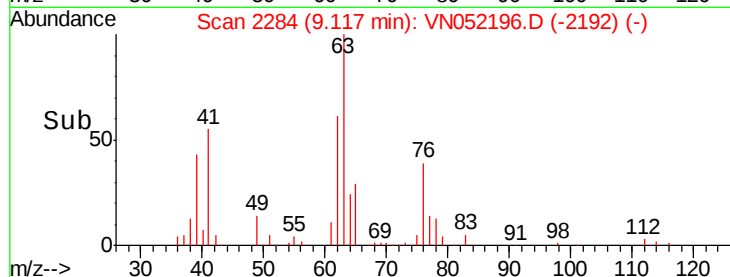
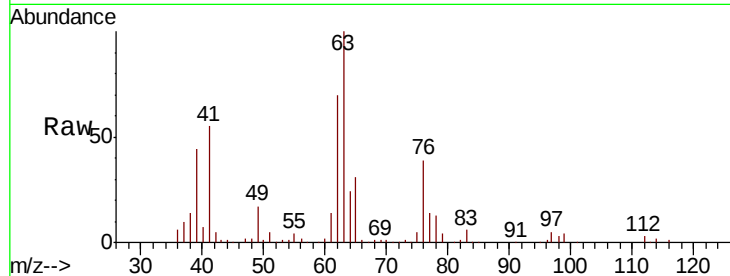
#45
 1,2-Dichloropropane
 Concen: 53.812 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 233938
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

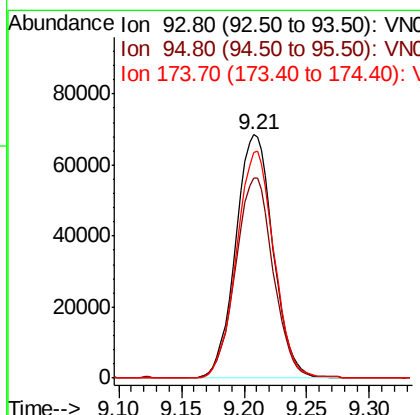
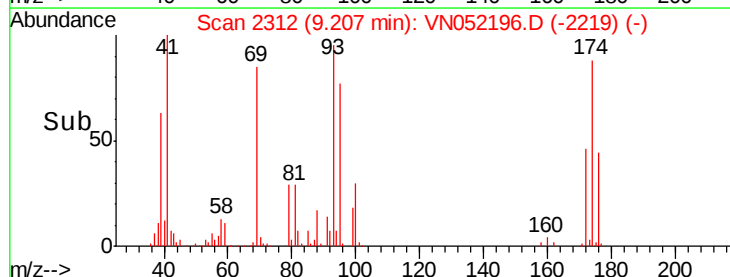
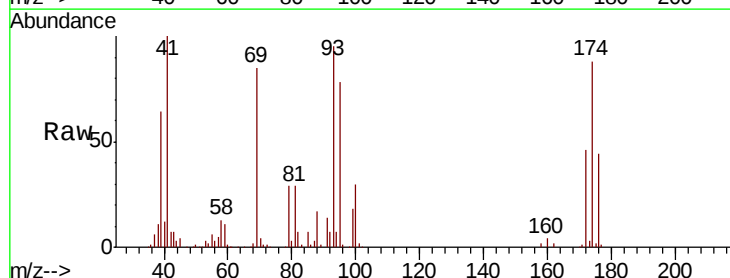
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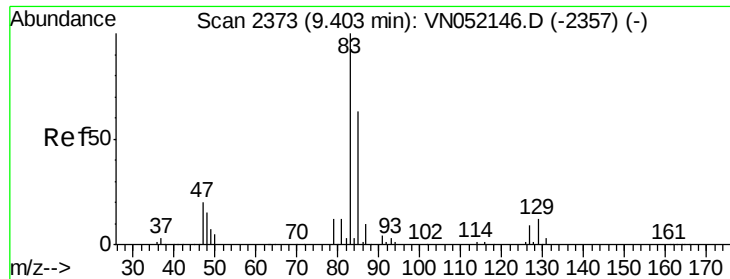
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#46
 Dibromomethane
 Concen: 51.454 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Tgt Ion: 93 Resp: 142256
 Ion Ratio Lower Upper
 93 100
 95 82.8 64.5 96.7
 174 93.2 74.6 112.0





#47

Bromodichloromethane

Concen: 54.742 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

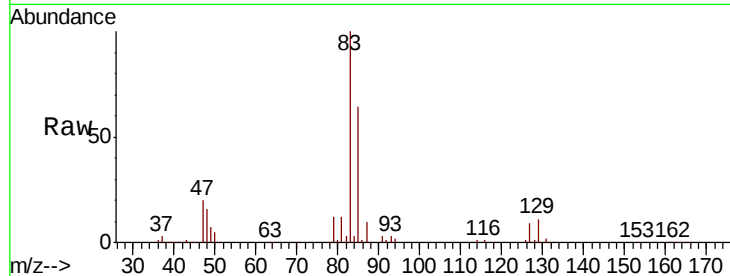
ClientSampleId :

VSTDCCC050

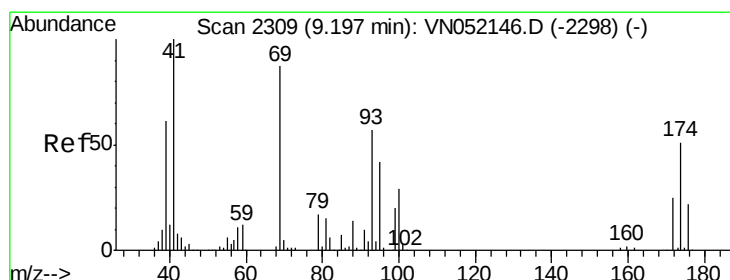
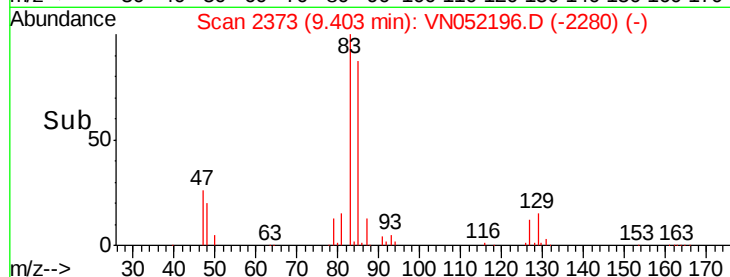
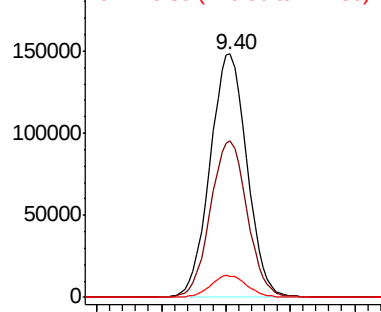
Tot Ion:	83	Resp:	295165
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.5	75.7
127	8.7	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN052196.D (-2280) (-)



#48

Methyl methacrylate

Concen: 57.059 ug/l

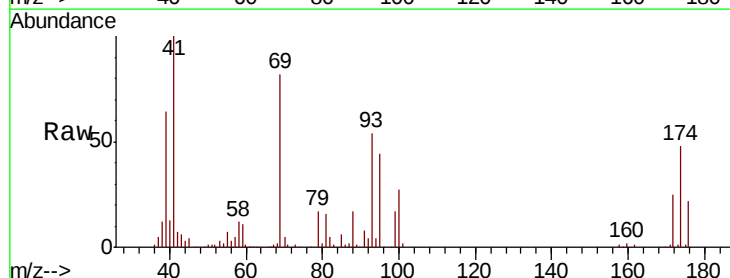
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

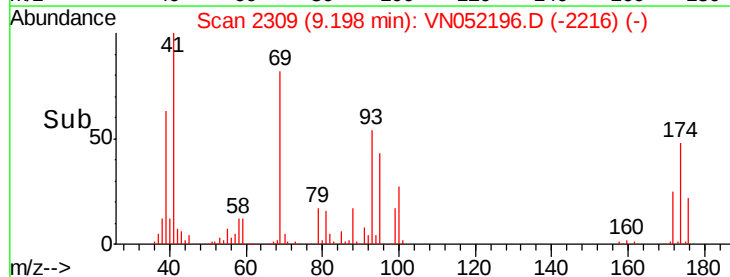
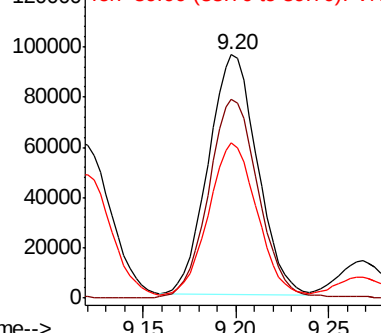
Lab File: VN052196.D

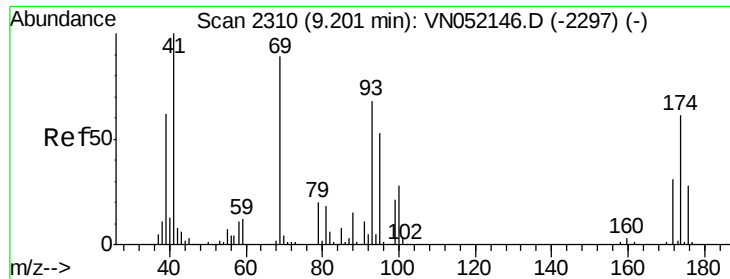
Acq: 7 Nov 2018 8:57

Tgt Ion:	41	Resp:	174972
Ion Ratio	Lower	Upper	
41	100		
69	84.8	69.7	104.5
39	64.4	50.6	76.0



Abundance Ion 41.00 (40.70 to 41.70): VN052196.D (-2216) (-)





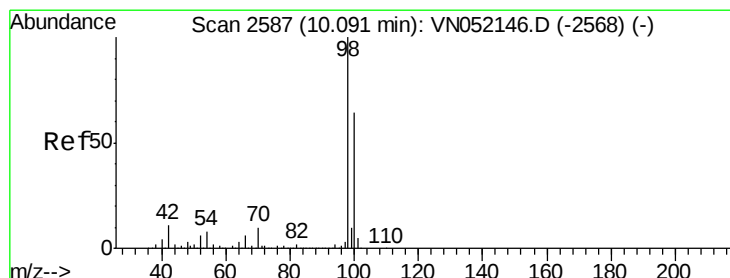
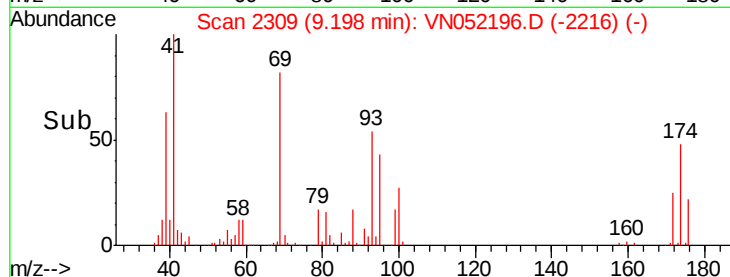
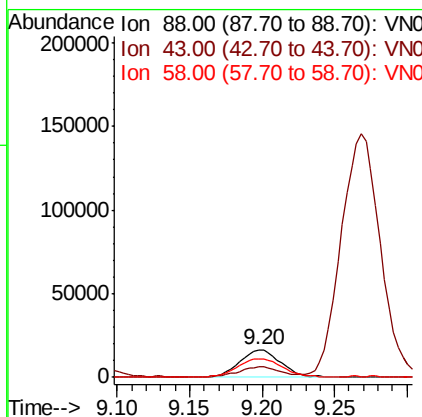
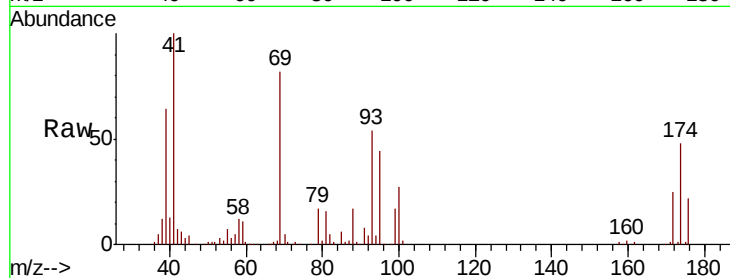
#49
1,4-Dioxane
Concen: 1268.538 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	33.0	49.6
58	69.7	58.6	88.0

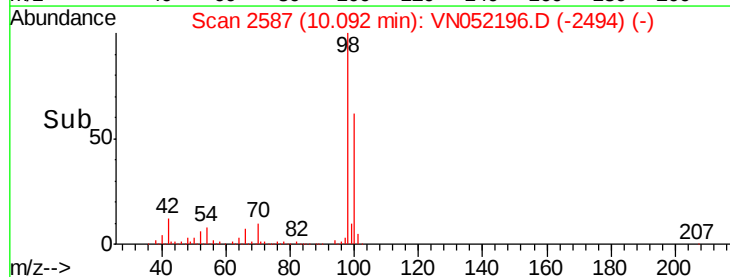
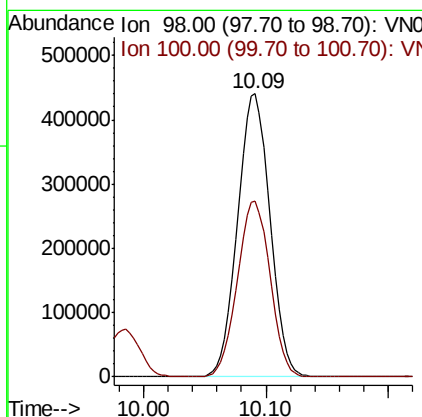
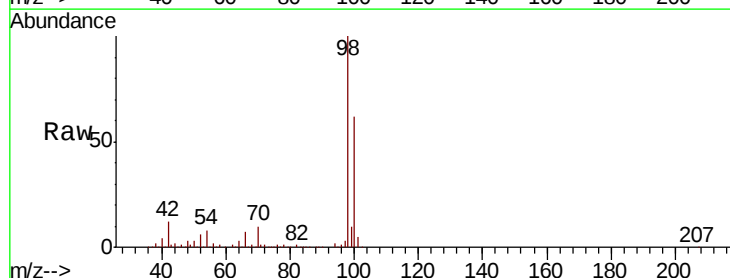
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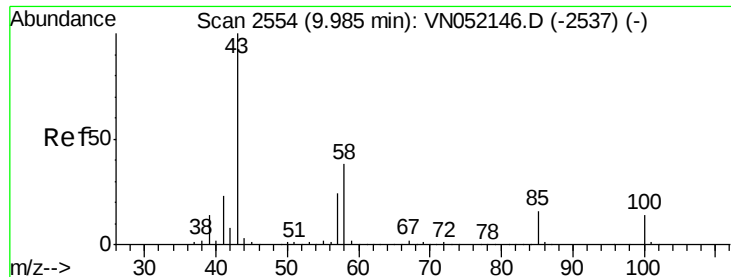
MMDadoda
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#50
Toluene-d8
Concen: 1268.538 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.5	75.7





#51

4-Methyl-2-Pentanone

Concen: 294.159 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 990146

Ion Ratio Lower Upper

43 100

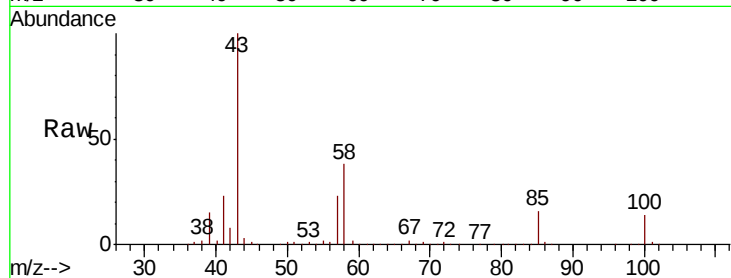
58 37.4 29.6 44.4

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Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2537) (-)

9.98

600000

500000

400000

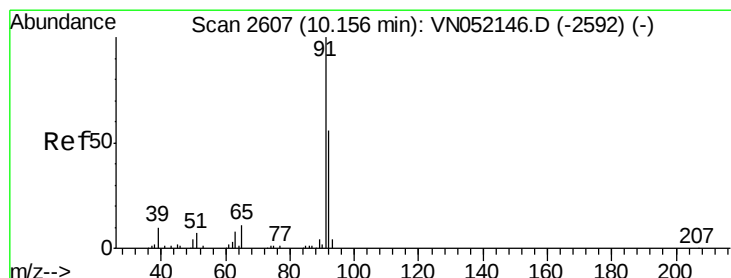
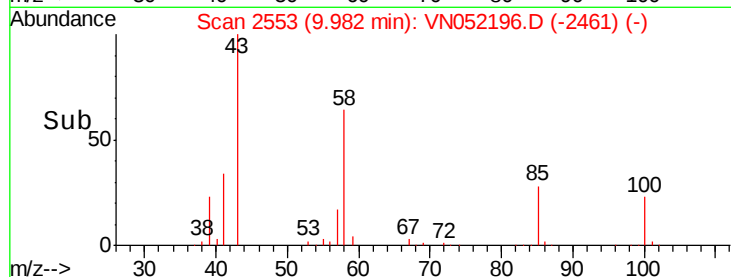
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 55.691 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052196.D

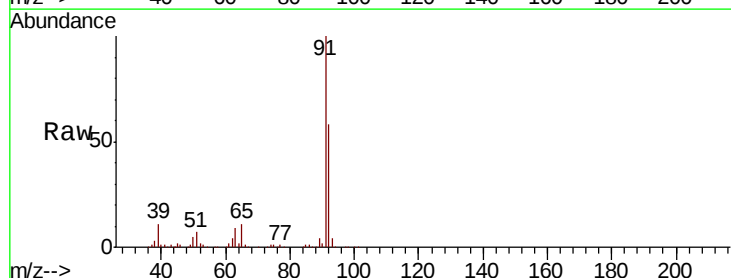
Acq: 7 Nov 2018 8:57

Tgt Ion: 92 Resp: 551270

Ion Ratio Lower Upper

92 100

91 175.4 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052146.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN052146.D (-2592) (-)

10.15

600000

500000

400000

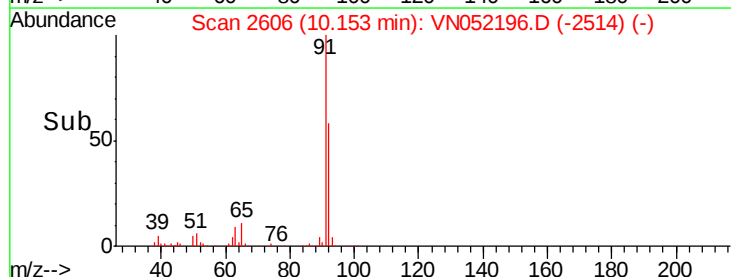
300000

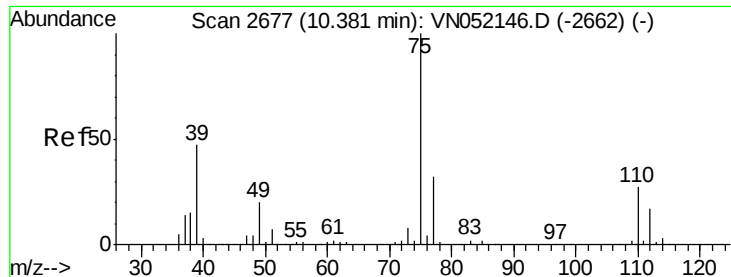
200000

100000

0

Time-->





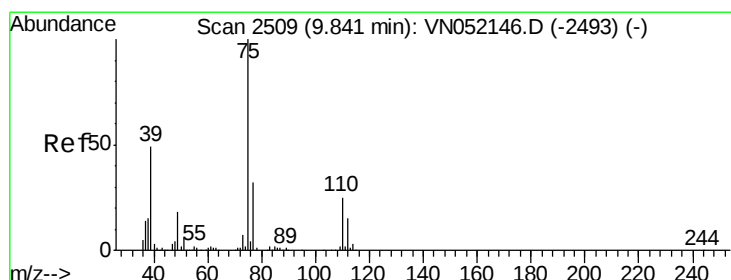
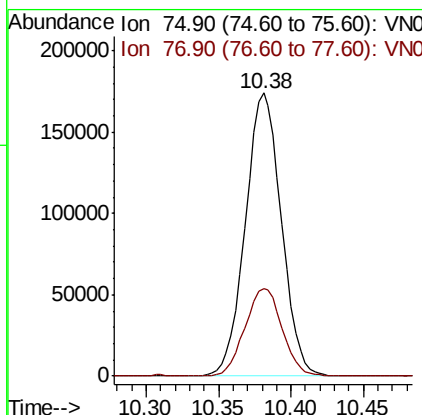
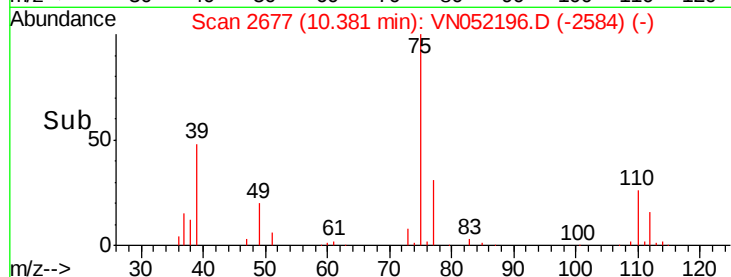
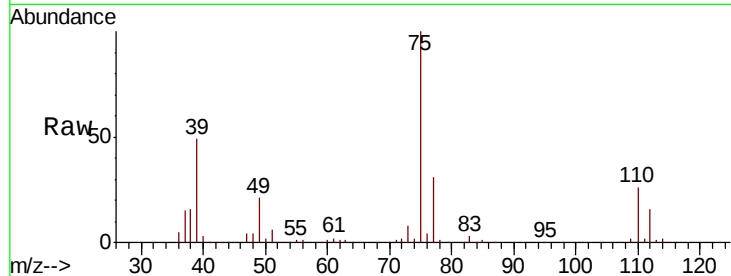
#53
t-1,3-Dichloropropene
Concen: 56.885 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 300896
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.6

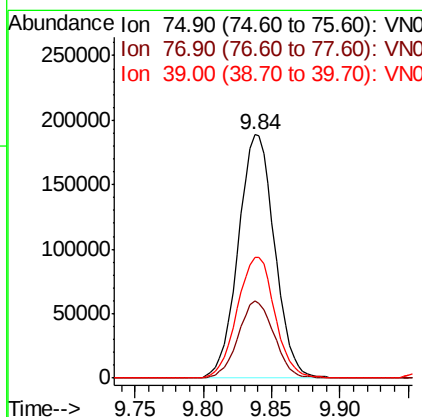
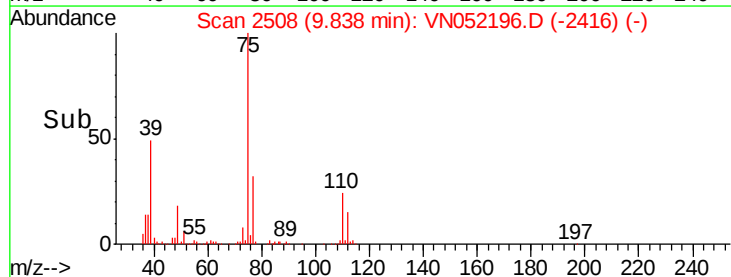
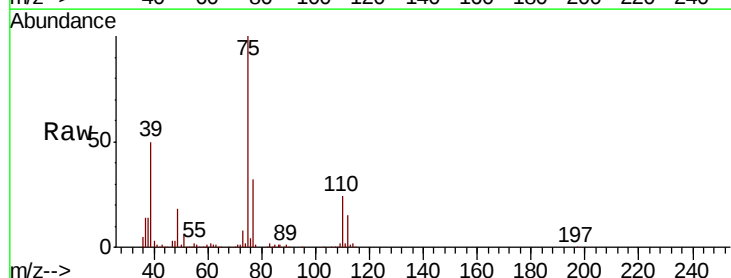
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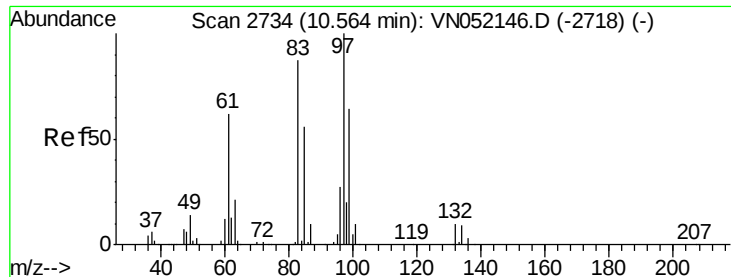
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#54
cis-1,3-Dichloropropene
Concen: 56.324 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion: 75 Resp: 348624
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8
39 49.4 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 55.810 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 194778

Ion Ratio Lower Upper

97 100

83 87.5 69.3 103.9

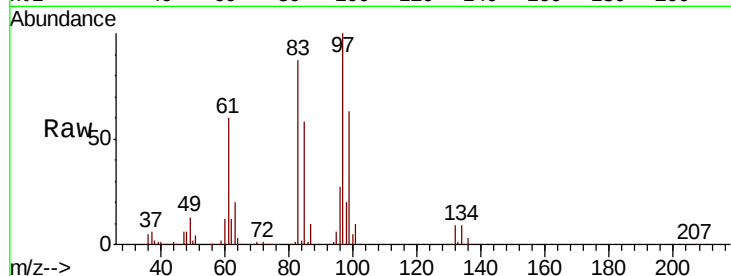
85 58.1 44.9 67.3

99 62.7 51.5 77.3

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Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

150000

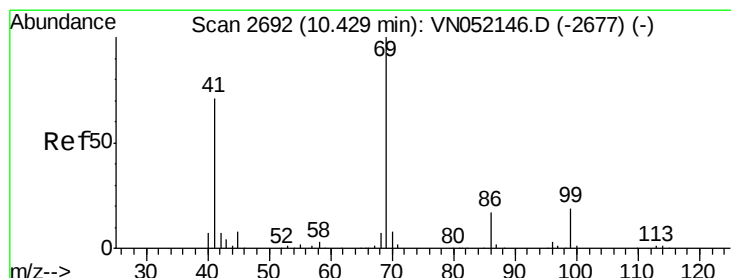
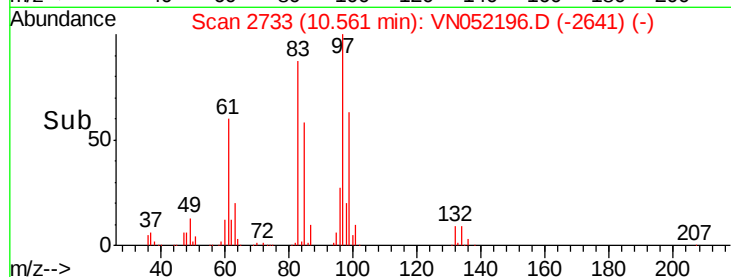
100000

50000

0

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 56.981 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

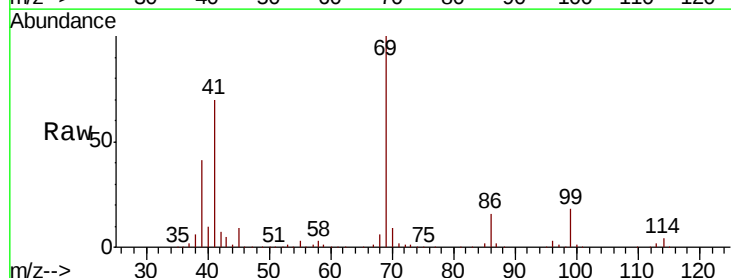
Tgt Ion: 69 Resp: 259214

Ion Ratio Lower Upper

69 100

41 69.3 55.4 83.0

39 39.7 32.0 48.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

150000

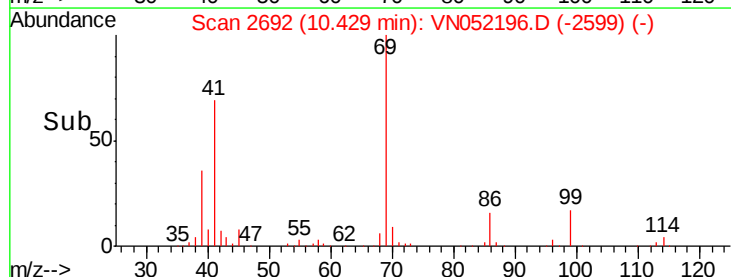
100000

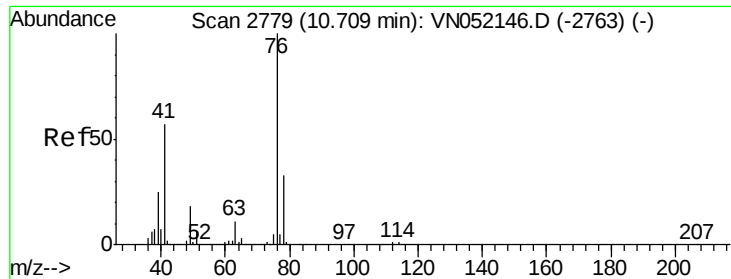
50000

0

10.40 10.45 10.50

Time-->





#57

1,3-Dichloropropane

Concen: 54.693 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 336269

Ion Ratio Lower Upper

76 100

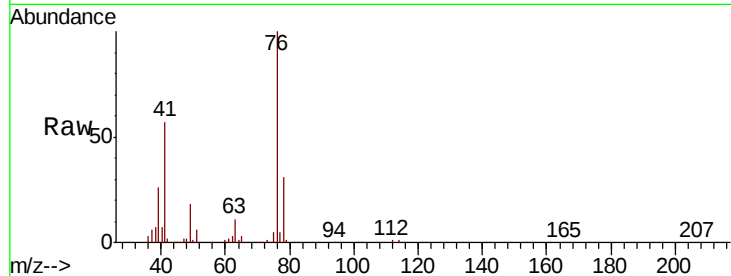
78 32.0 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

150000

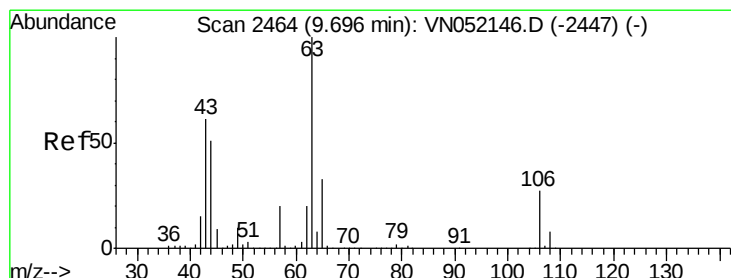
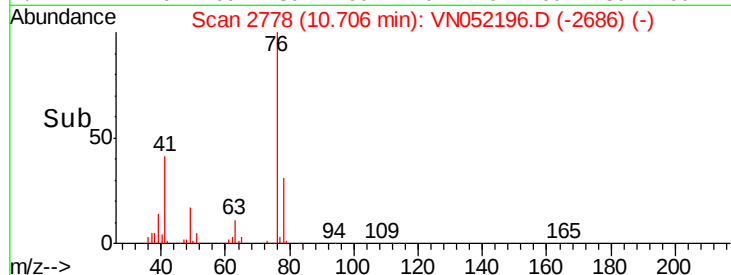
100000

50000

0

10.70 10.71 10.72

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 308.876 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052196.D

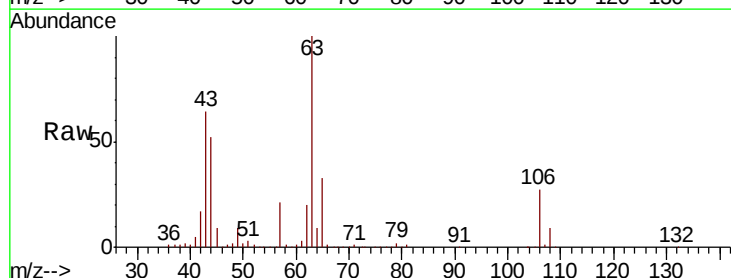
Acq: 7 Nov 2018 8:57

Tgt Ion: 63 Resp: 756187

Ion Ratio Lower Upper

63 100

106 26.4 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

500000

400000

300000

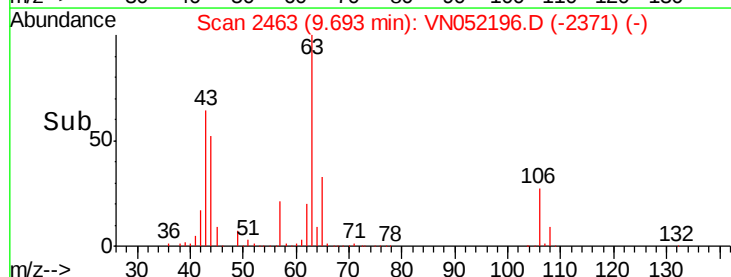
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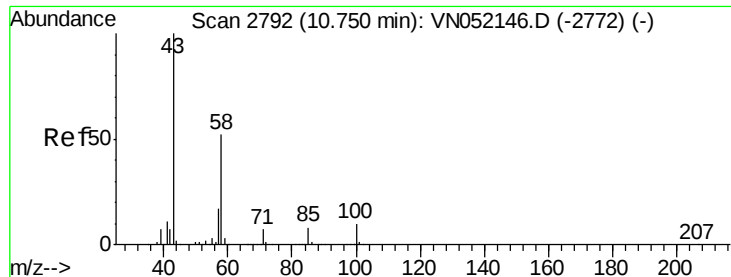
100000

0

9.60 9.65 9.70 9.75 9.80

Time-->





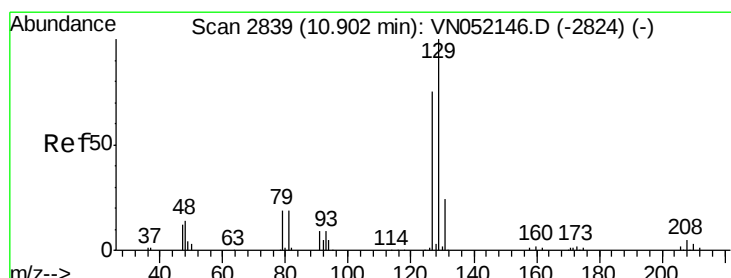
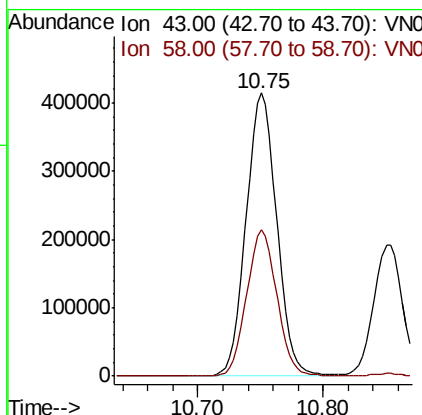
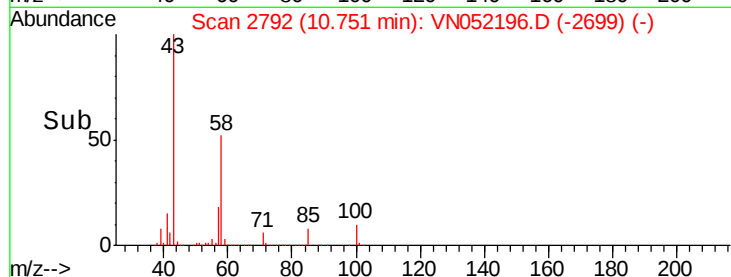
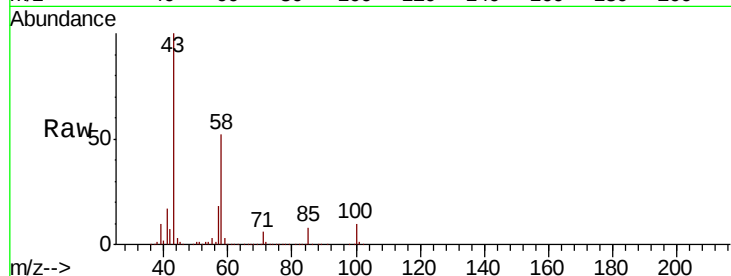
#59
2-Hexanone
Concen: 300.769 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 704751
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.4

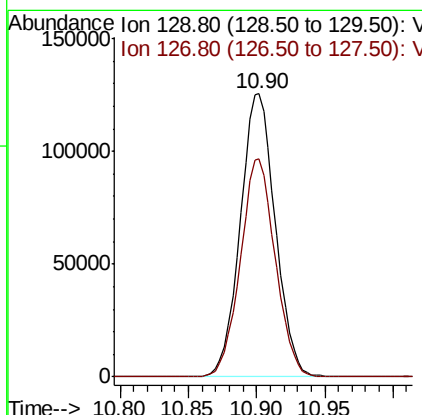
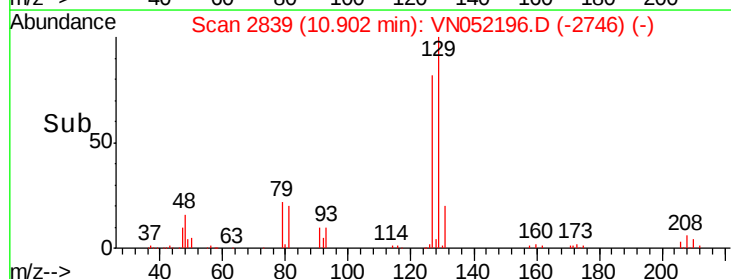
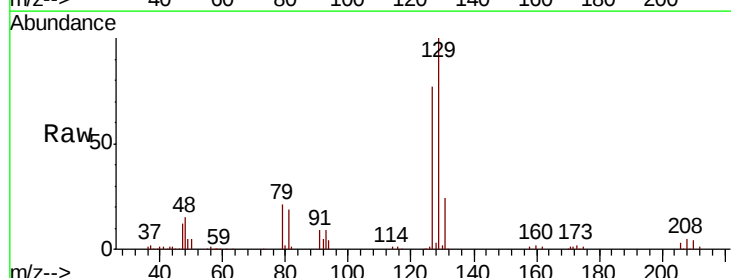
Manual Integrations
APPROVED

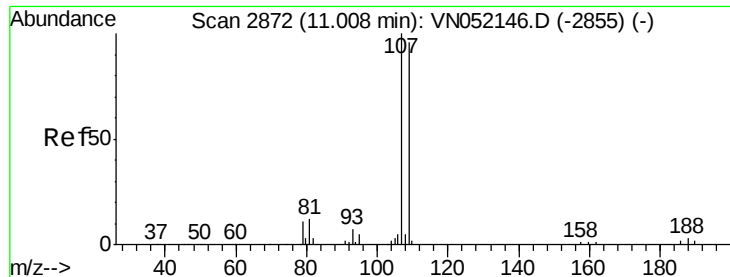
MMDadoda
11/8/2018 9:13:42 AM



#60
Dibromochloromethane
Concen: 56.252 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion: 129 Resp: 223259
Ion Ratio Lower Upper
129 100
127 76.8 38.0 114.1





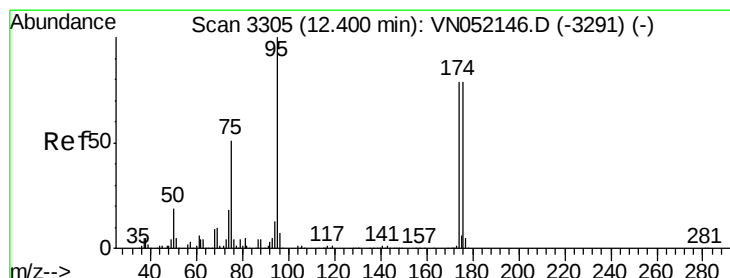
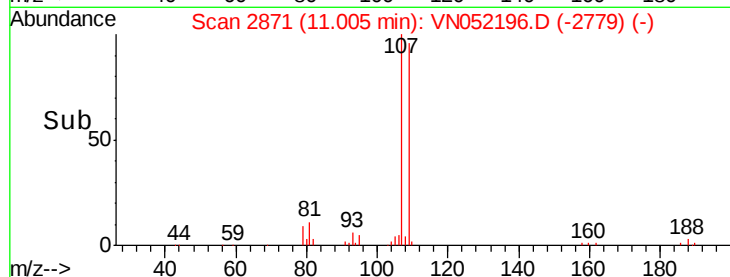
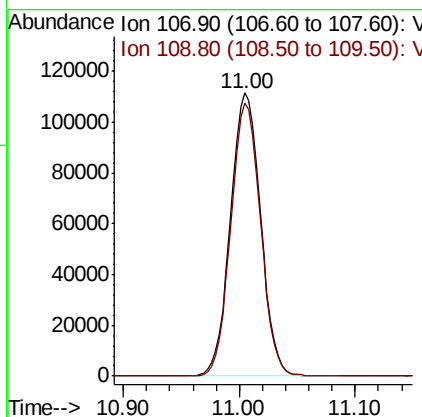
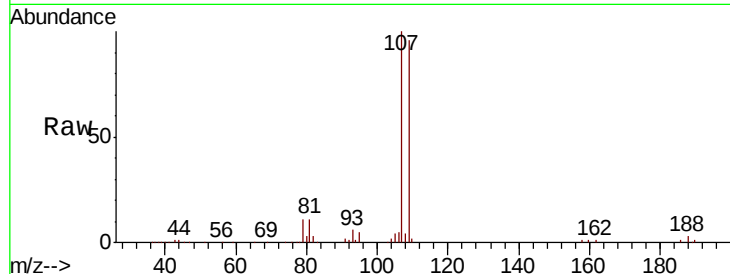
#61
 1,2-Dibromoethane
 Concen: 56.667 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.0	114.0

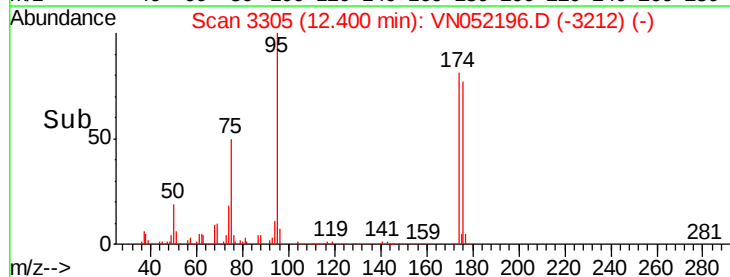
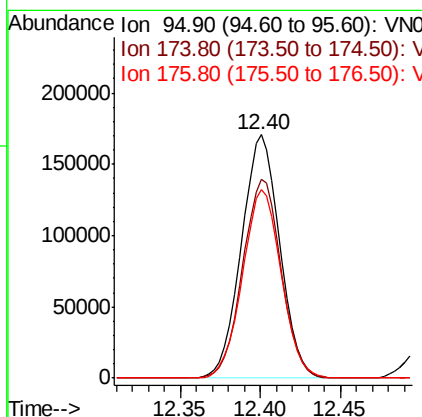
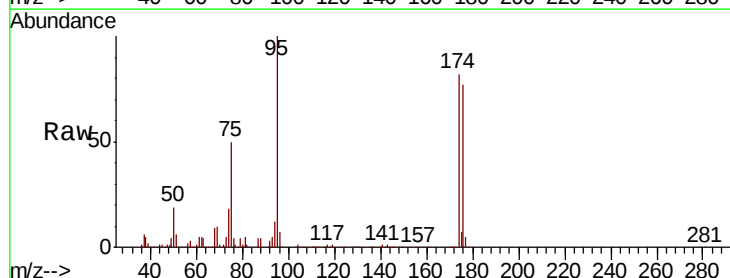
Manual Integrations
 APPROVED

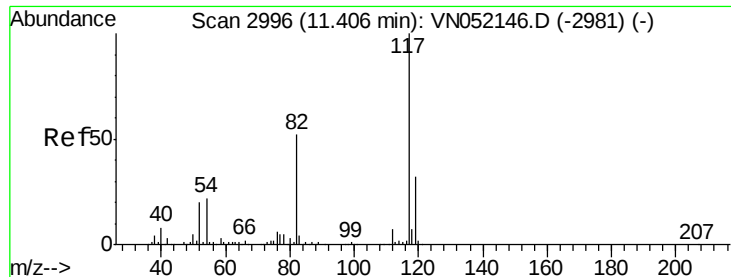
MMDadoda
 11/8/2018 9:13:42 AM



#62
 4-Bromofluorobenzene
 Concen: 56.667 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	162.6
176	78.6	0.0	155.4





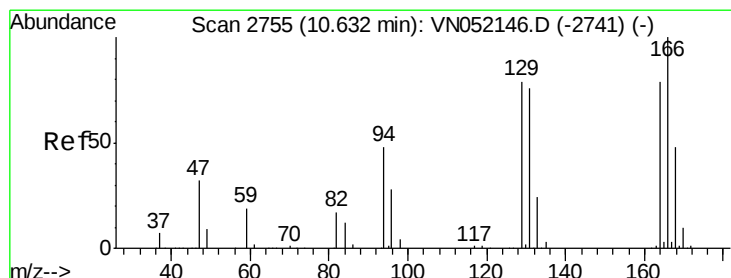
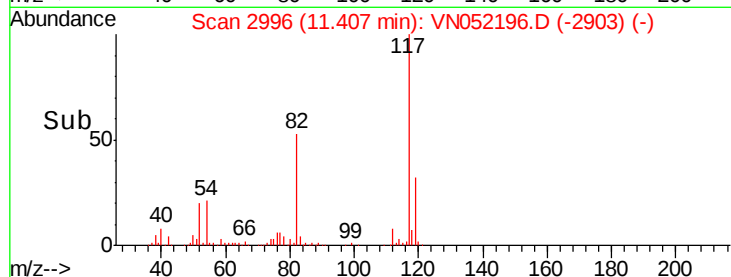
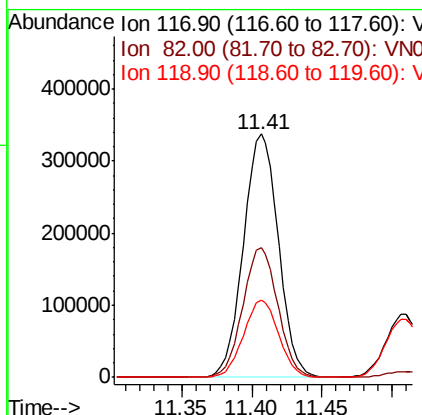
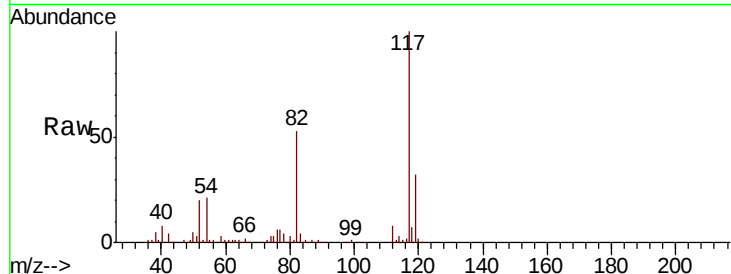
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.9	62.9
119	31.7	25.7	38.5

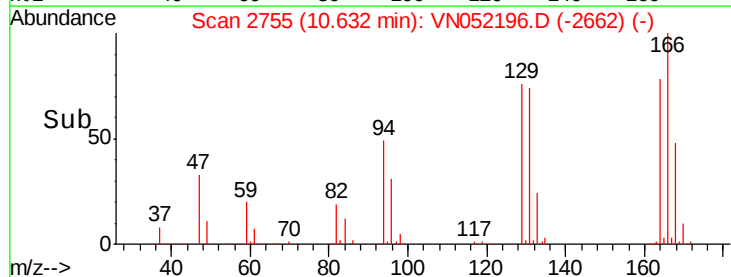
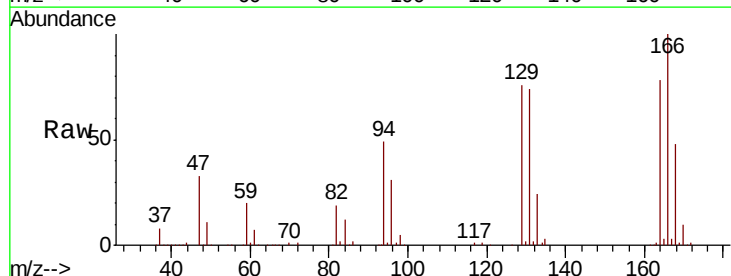
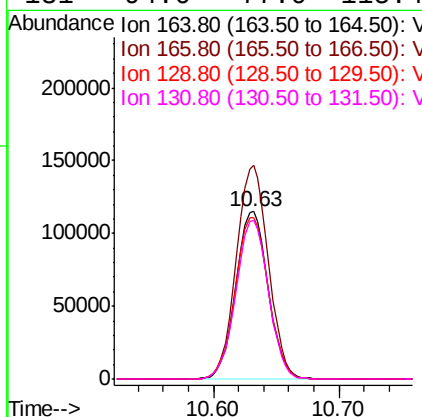
Manual Integrations
APPROVED

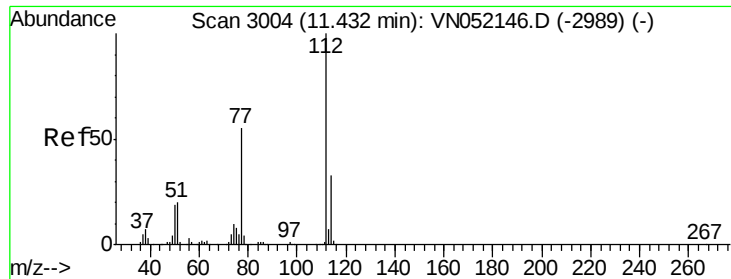
MMDadoda
11/8/2018 9:13:42 AM



#64
Tetrachloroethene
Concen: 54.378 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	100.8	151.2
129	96.5	79.1	118.7
131	94.6	77.0	115.4





#65

Chlorobenzene

Concen: 52.333 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 625928

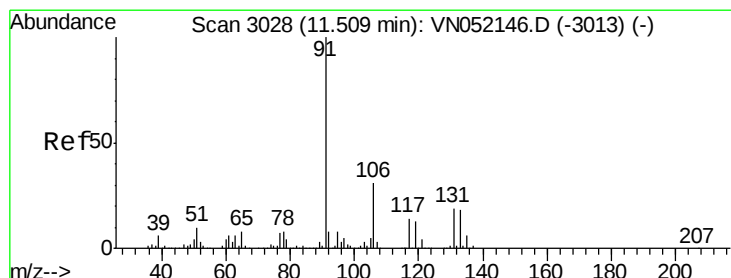
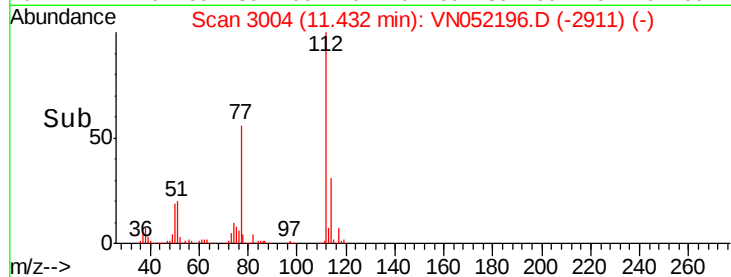
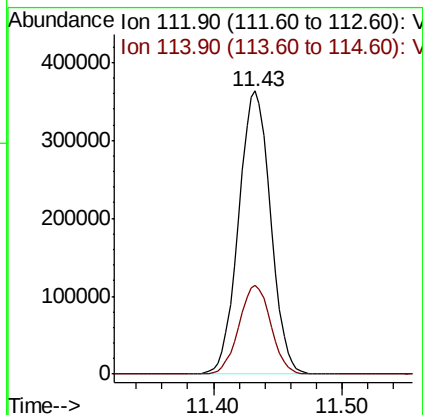
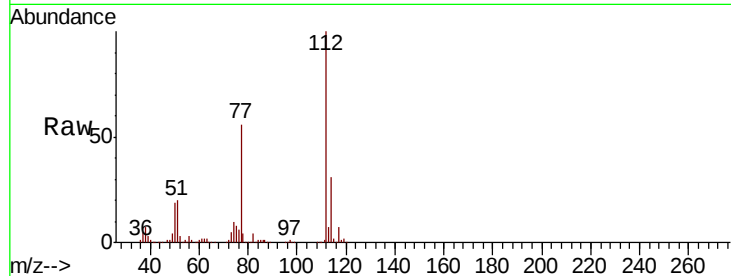
Ion Ratio Lower Upper

112 100

114 31.4 26.2 39.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 53.885 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

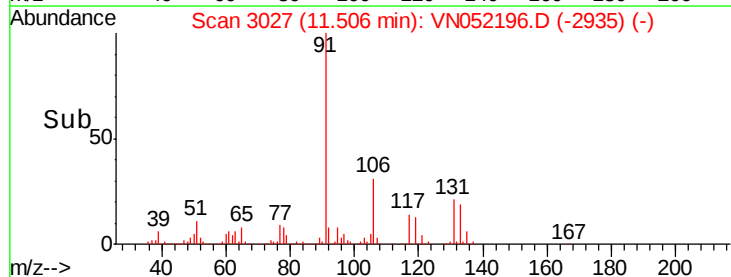
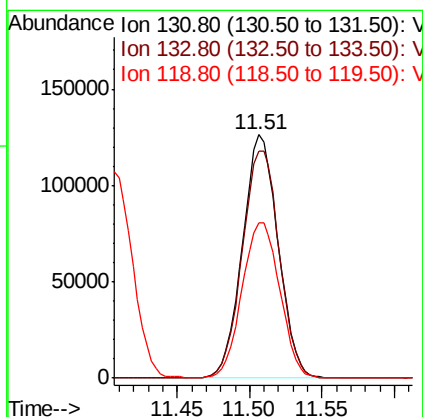
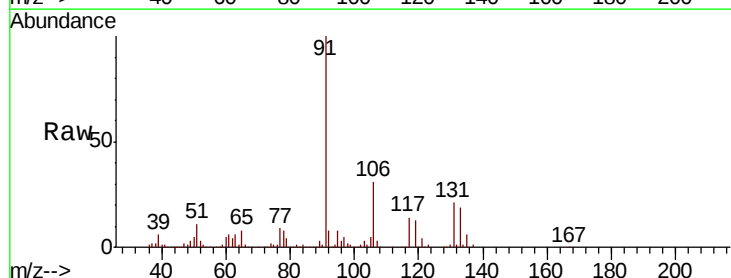
Tgt Ion:131 Resp: 216437

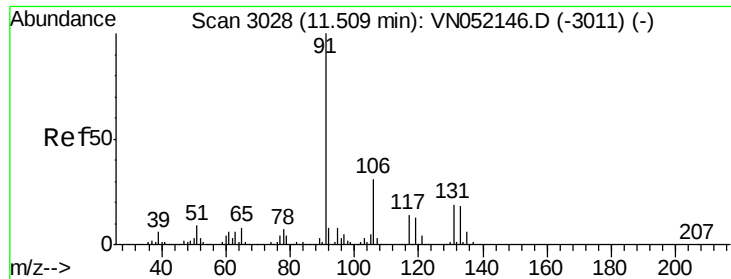
Ion Ratio Lower Upper

131 100

133 96.9 46.6 139.8

119 67.7 33.6 100.8





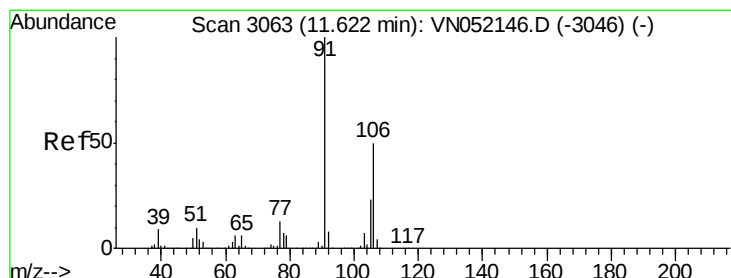
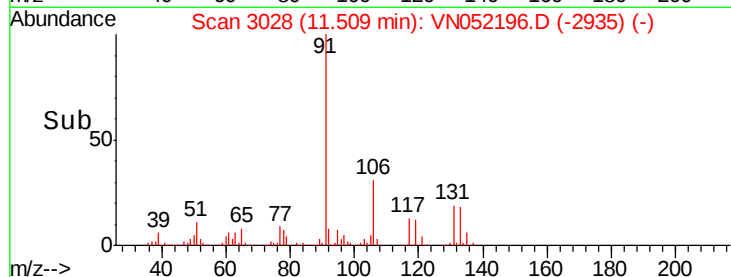
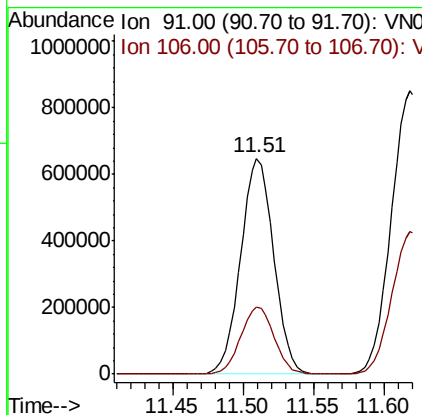
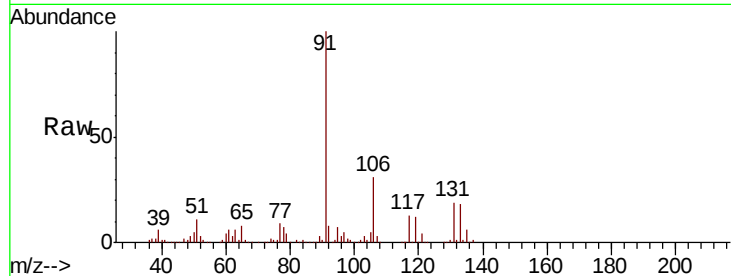
#67
Ethyl Benzene
Concen: 53.549 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1063770
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7

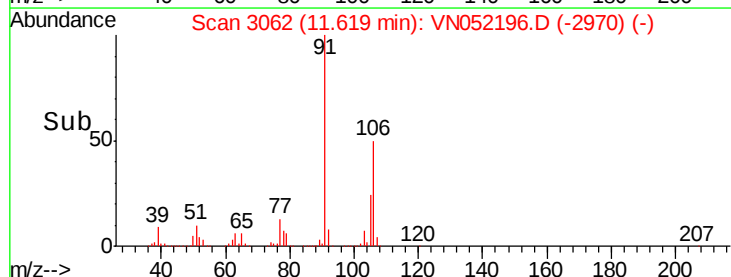
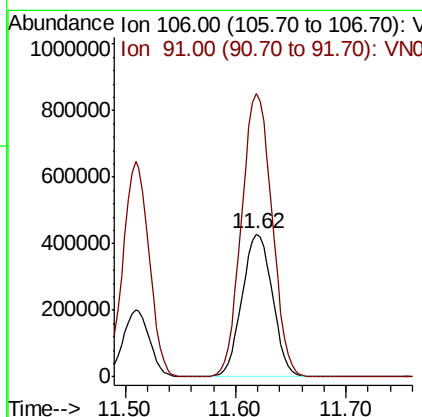
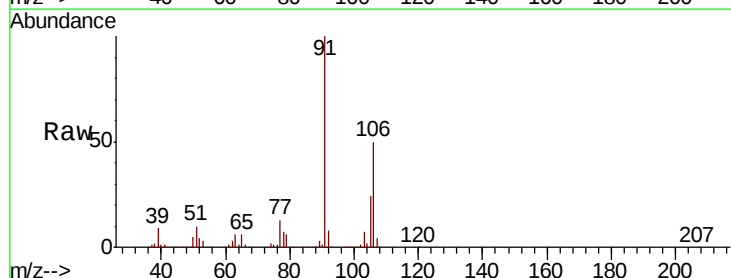
Manual Integrations
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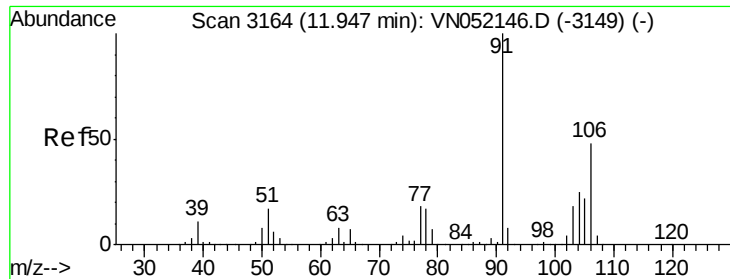
MMDadoda
11/8/2018 9:13:42 AM



#68
m/p-Xylenes
Concen: 106.888 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion: 106 Resp: 819324
Ion Ratio Lower Upper
106 100
91 199.3 158.2 237.4





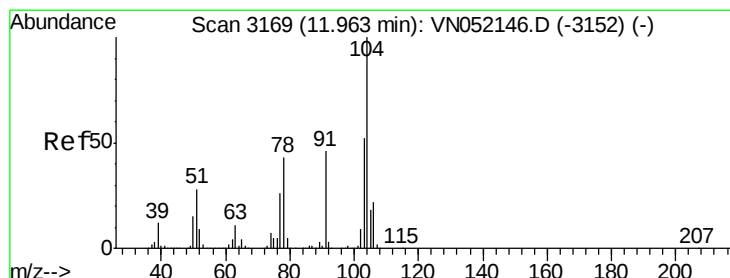
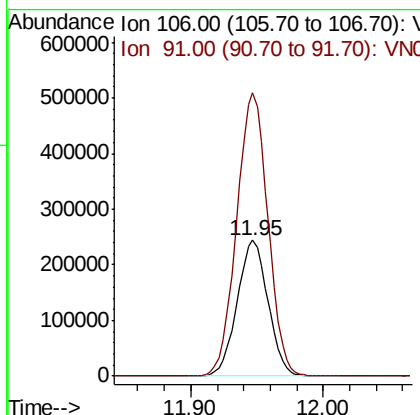
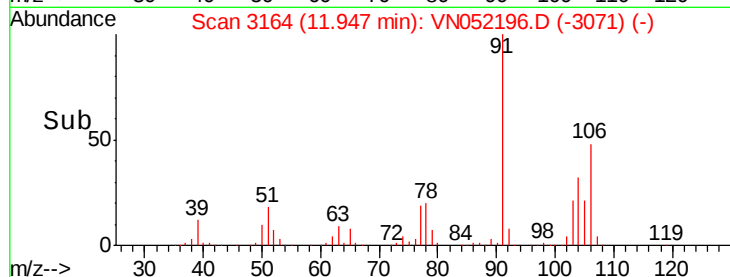
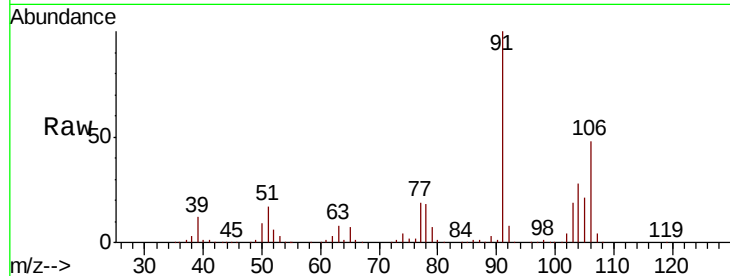
#69
o-Xylene
Concen: 53.141 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 395038
Ion Ratio Lower Upper
106 100
91 210.8 104.8 314.3

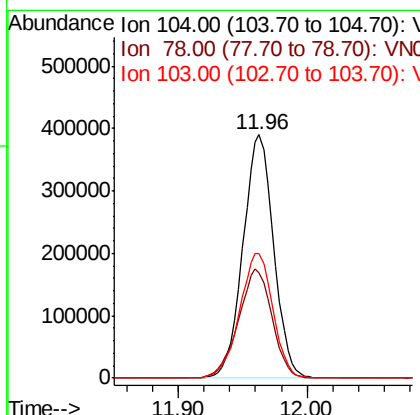
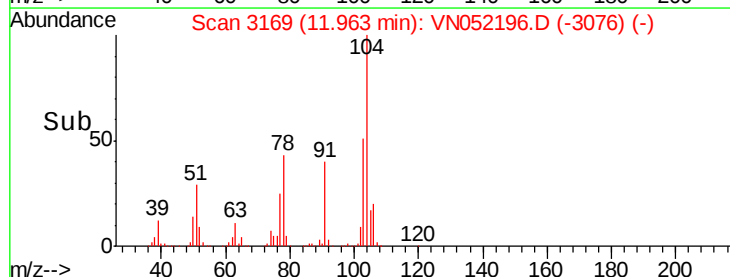
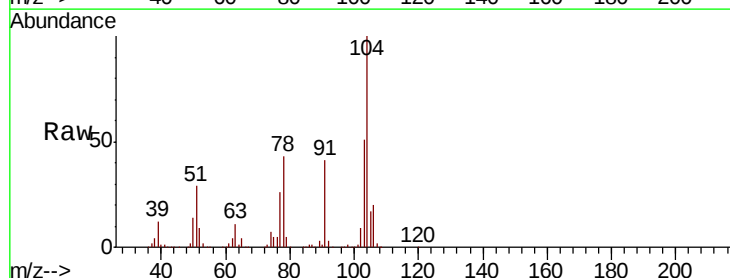
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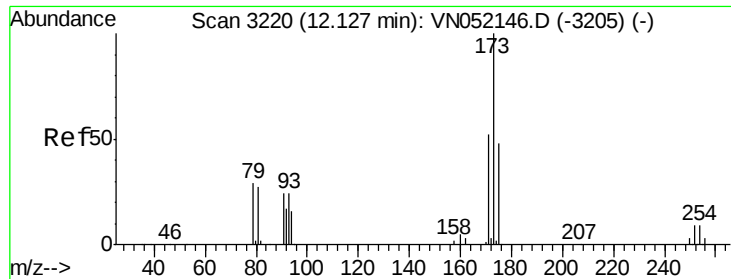
MMDadoda
11/8/2018 9:13:42 AM



#70
Styrene
Concen: 54.836 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion:104 Resp: 645311
Ion Ratio Lower Upper
104 100
78 49.2 39.4 59.0
103 55.6 45.1 67.7





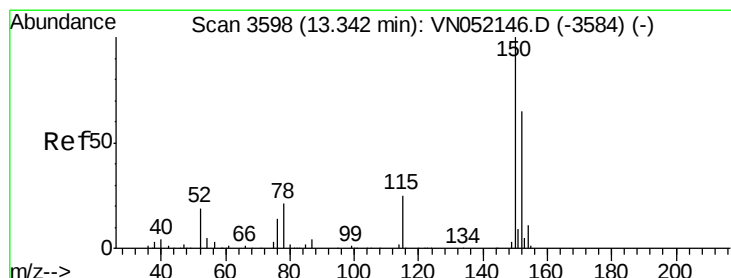
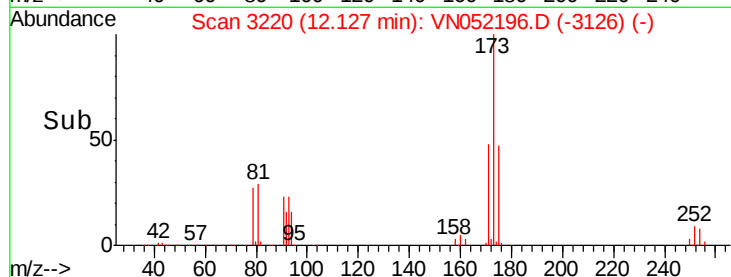
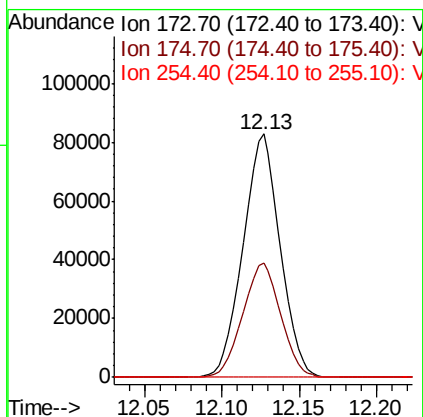
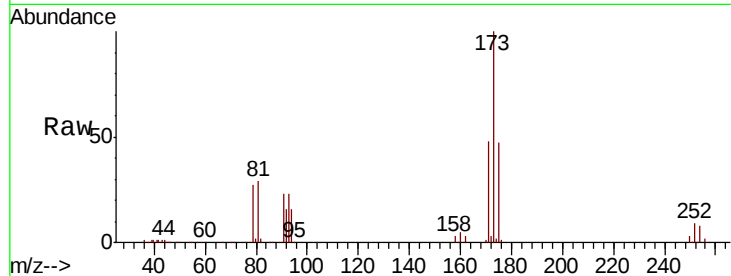
#71
Bromoform
Concen: 51.434 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.8	74.4
254	0.1	0.2	0.2#

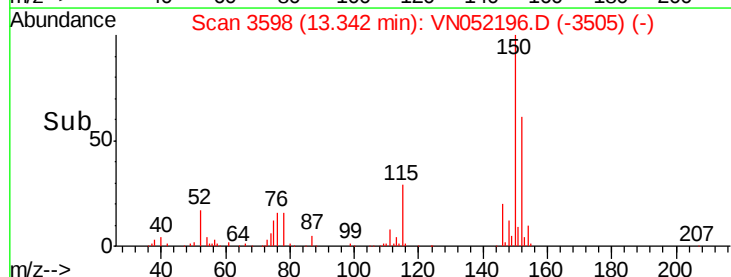
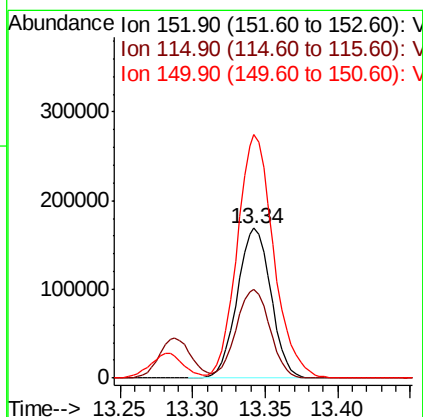
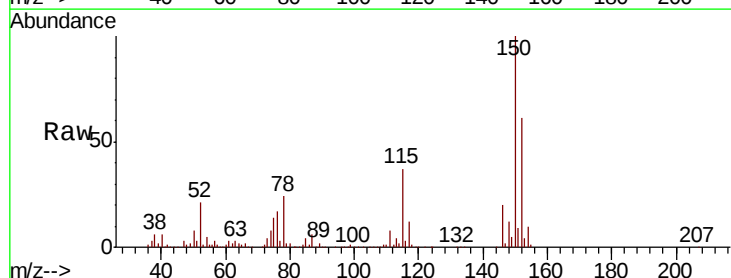
Manual Integrations
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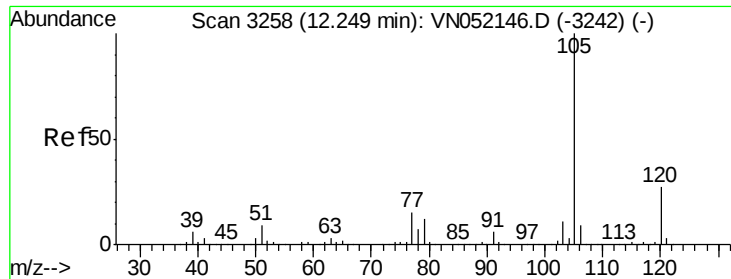
MMDadoda
11/8/2018 9:13:42 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	28.5	85.5
150	175.5	0.0	348.6





#73

Isopropylbenzene

Concen: 51.729 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1065226

Ion Ratio Lower Upper

105 100

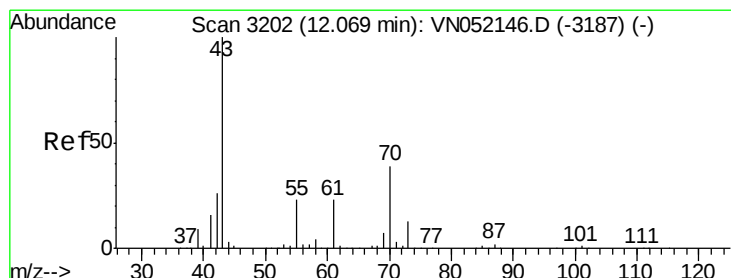
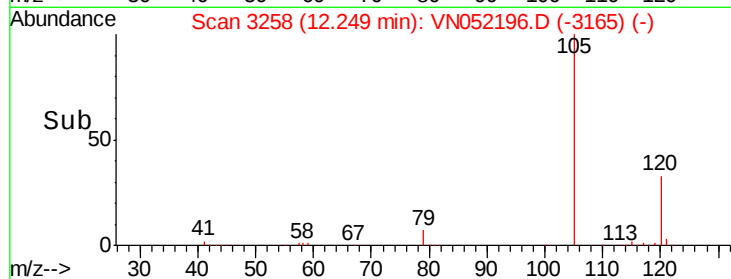
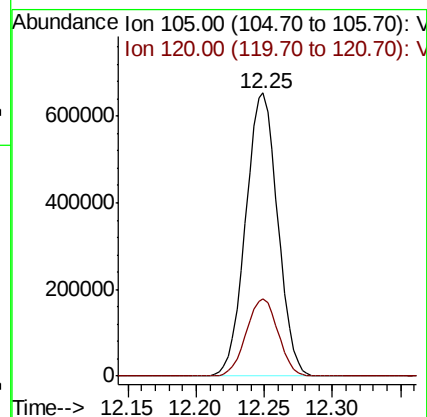
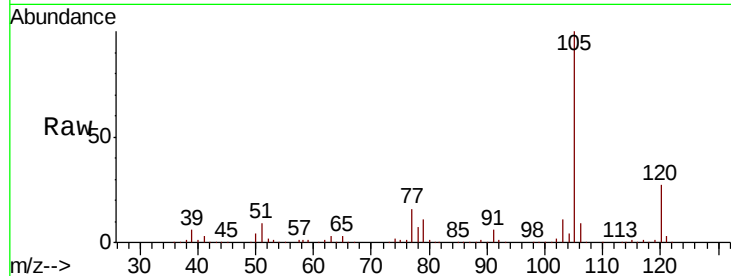
120 27.2 13.3 39.9

Manual Integrations

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11/8/2018 9:13:42 AM



#74

N-ethyl acetate

Concen: 54.133 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Tgt Ion: 43 Resp: 330787

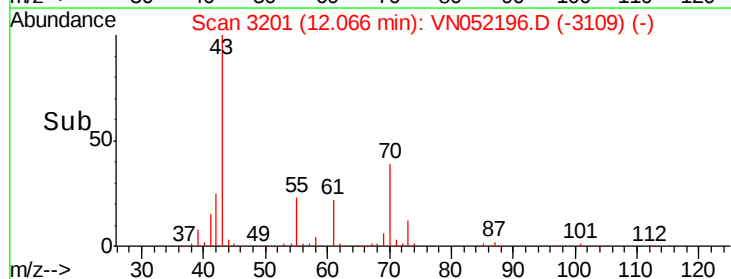
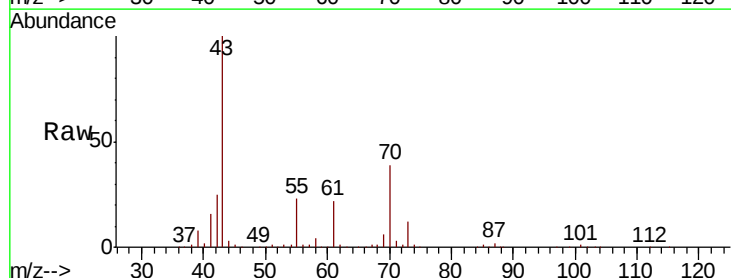
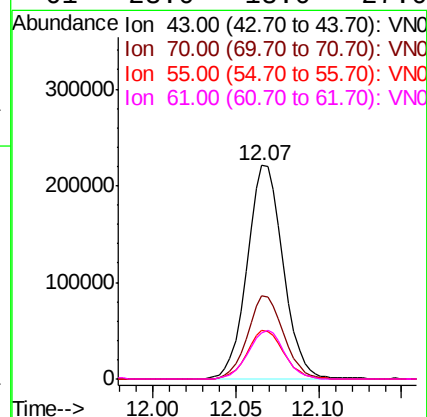
Ion Ratio Lower Upper

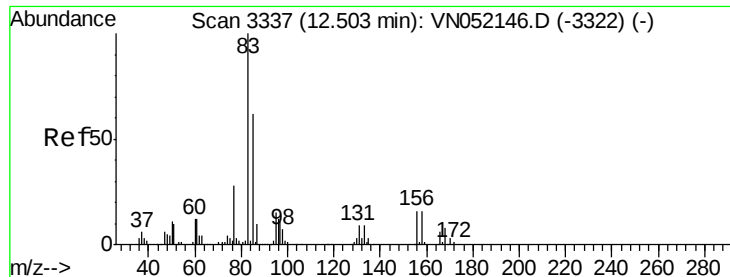
43 100

70 39.4 31.1 46.7

55 23.3 18.5 27.7

61 23.0 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.735 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

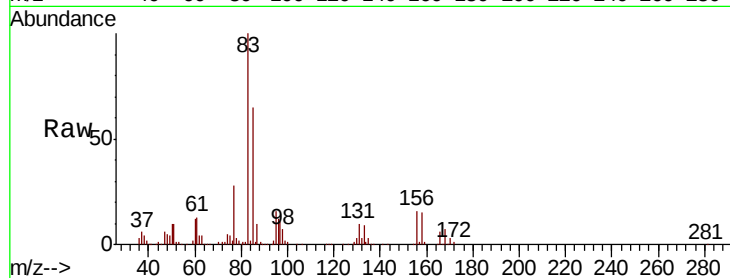
ClientSampleId :

VSTDCCC050

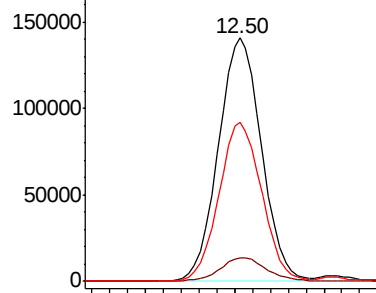
Tot Ion:	83	Resp:	237701
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	14.9
85	64.8	31.8	95.3

Manual Integrations
APPROVED

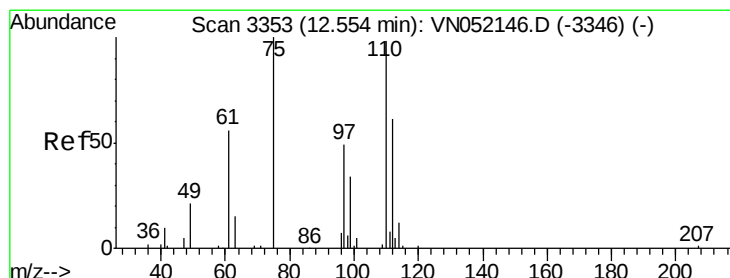
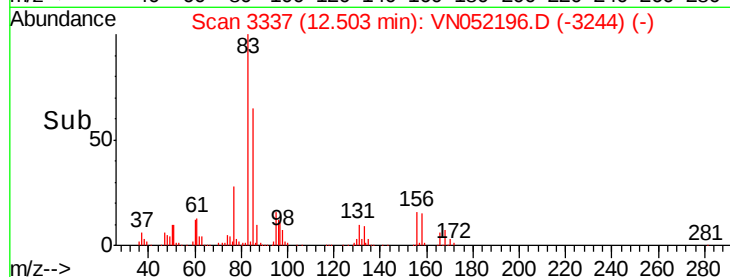
MMDadoda
11/8/2018 9:13:42 AM



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



Time-->



#76

1,2,3-Trichloropropane

Concen: 42.394 ug/l m

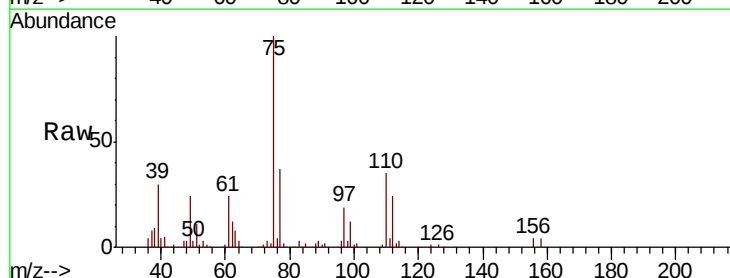
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

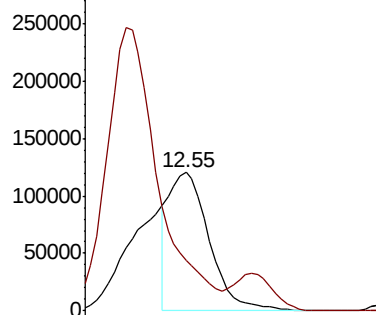
Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

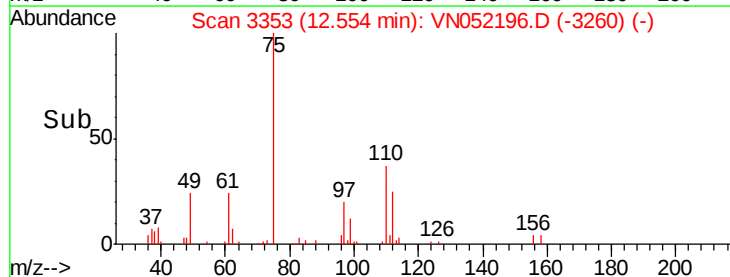
Tgt Ion:	75	Resp:	181706
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

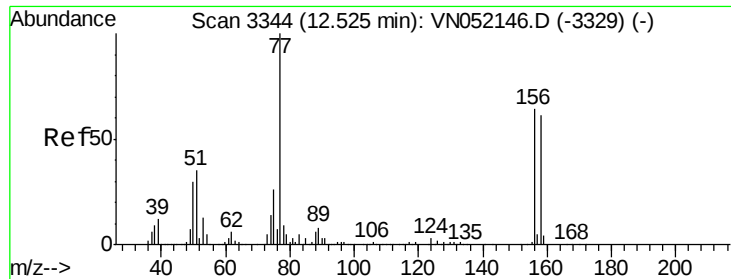


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO



Time-->





#77

Bromobenzene

Concen: 51.679 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

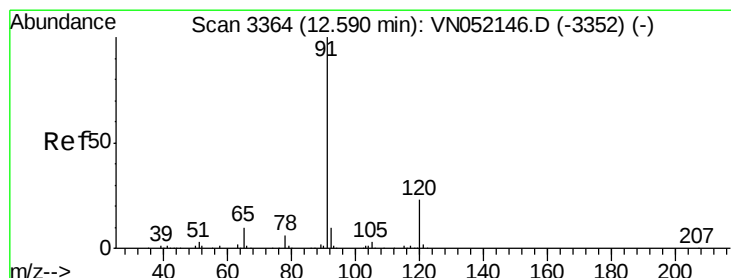
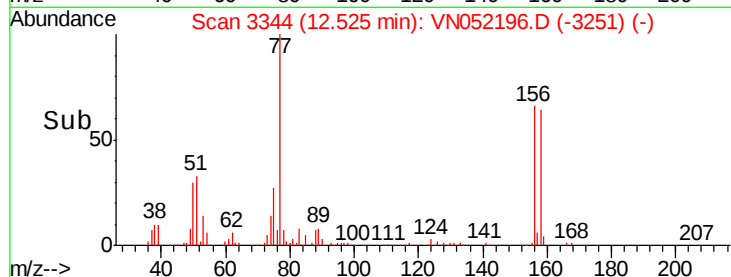
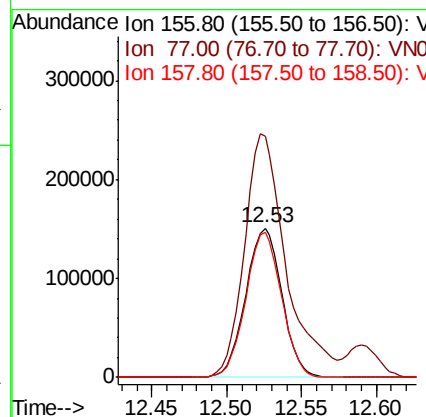
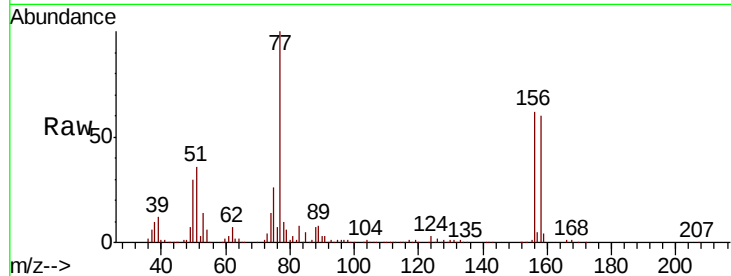
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		253772		
77	187.9	91.6	274.9		
158	96.3	48.1	144.3		

Manual Integrations
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#78

n-propylbenzene

Concen: 53.095 ug/l

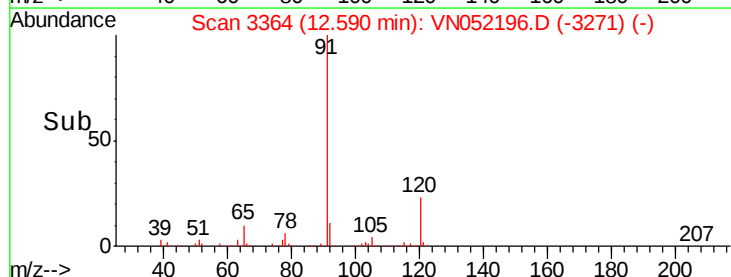
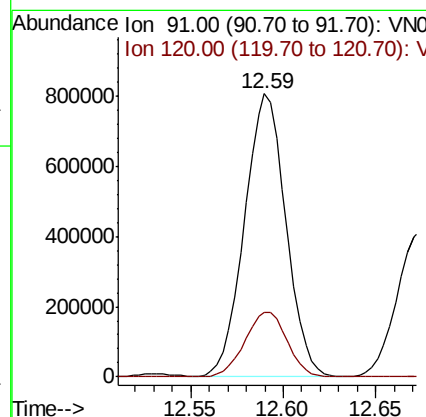
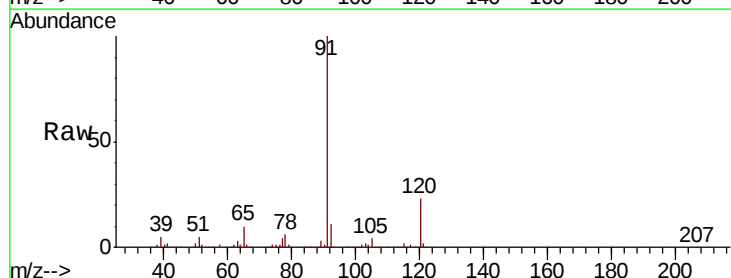
RT: 12.59 min Scan# 3364

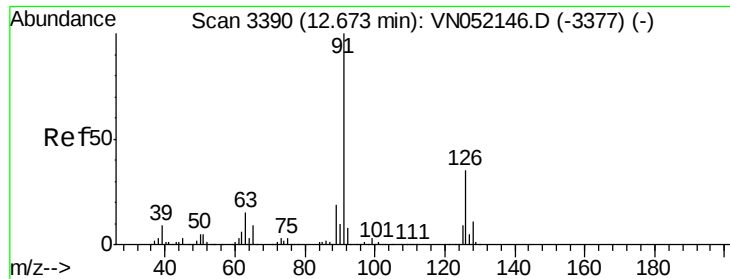
Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1249548		
120	23.4	11.9	35.7		





#79

2-Chlorotoluene

Concen: 50.211 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052196.D

Acq: 7 Nov 2018 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 692950

Ion Ratio Lower Upper

91 100

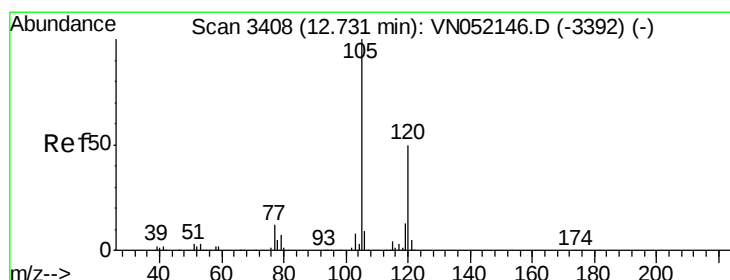
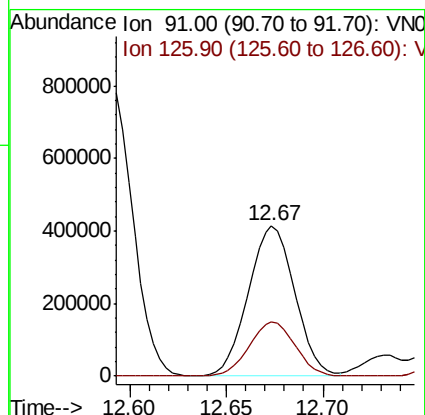
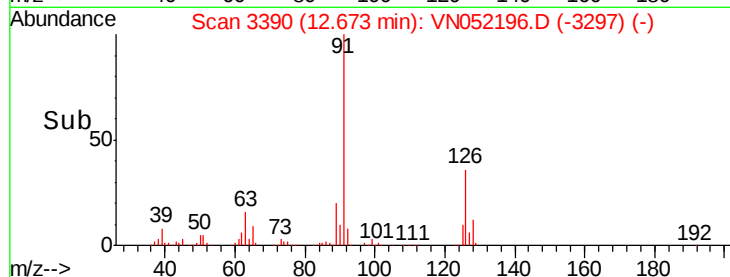
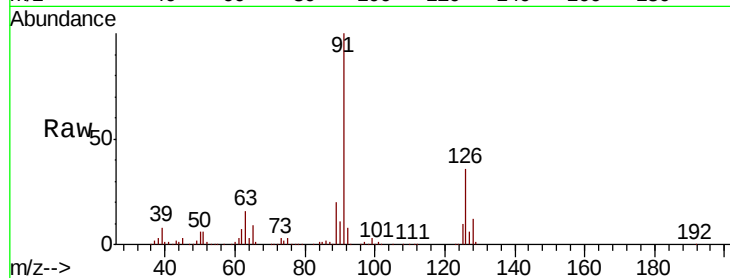
126 36.1 18.0 54.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.985 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052196.D

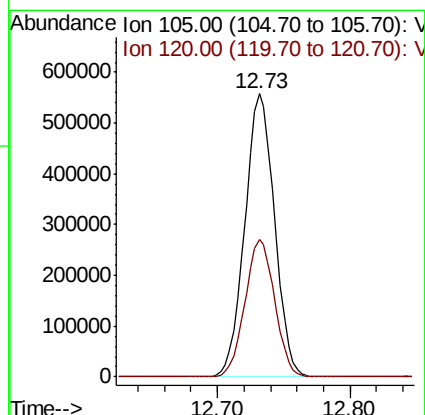
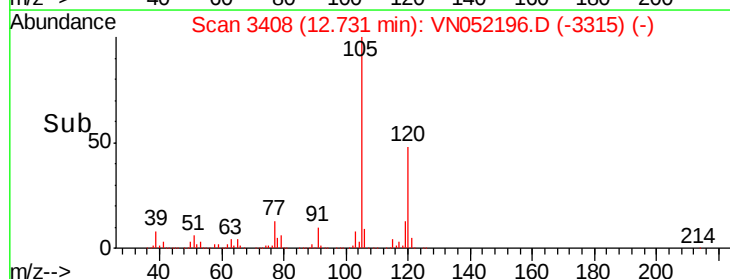
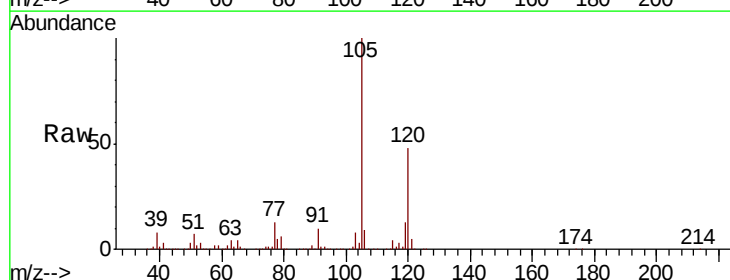
Acq: 7 Nov 2018 8:57

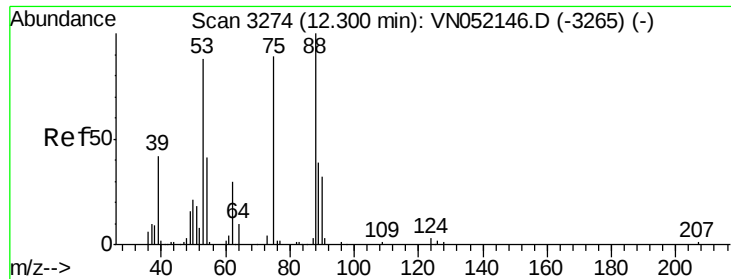
Tgt Ion: 105 Resp: 866513

Ion Ratio Lower Upper

105 100

120 48.5 24.9 74.6





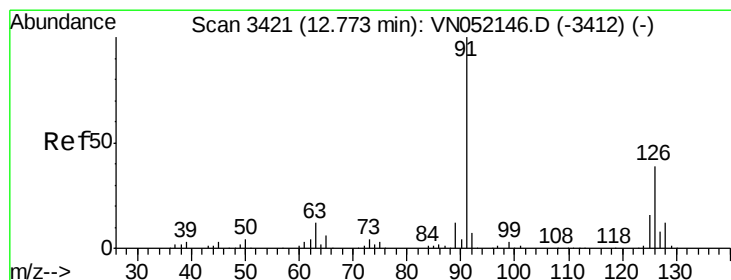
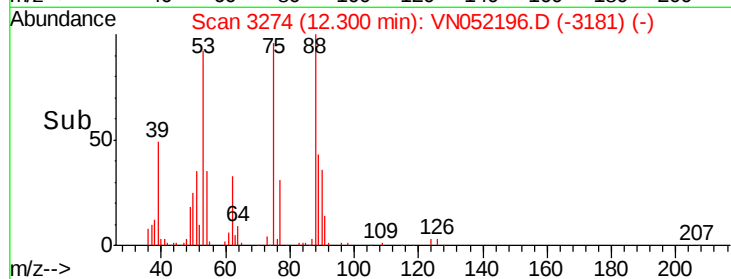
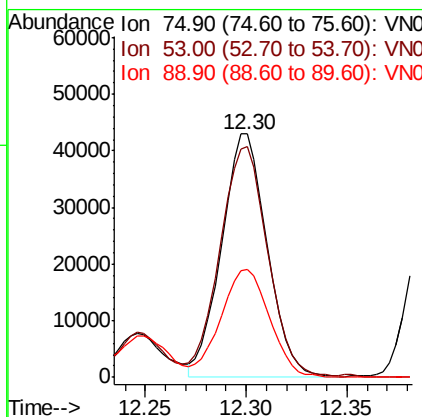
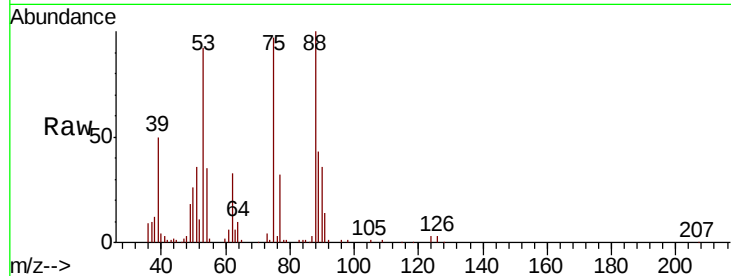
#81
trans-1,4-Dichloro-2-butene
Concen: 56.798 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.3	79.4	119.0
89	47.5	35.8	53.8

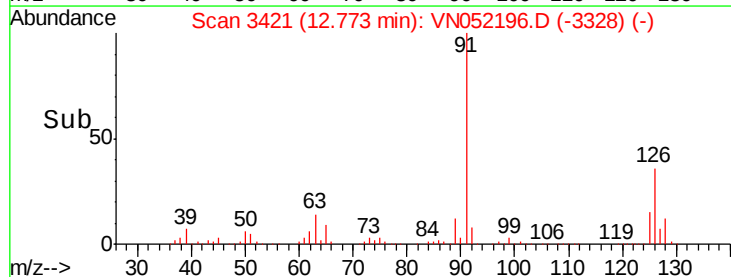
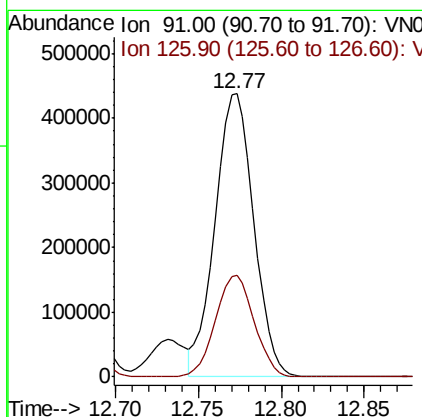
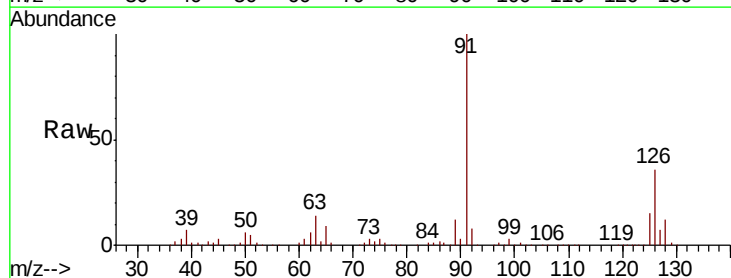
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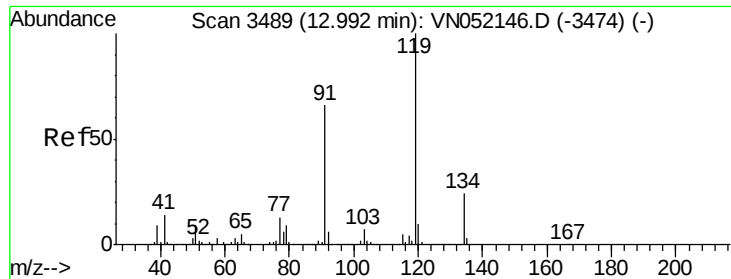
MMDadoda
11/8/2018 9:13:42 AM



#82
4-Chlorotoluene
Concen: 51.261 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5





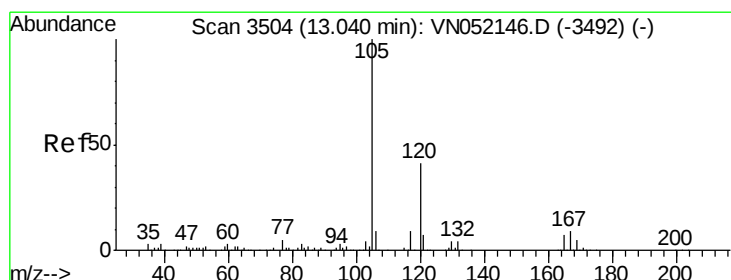
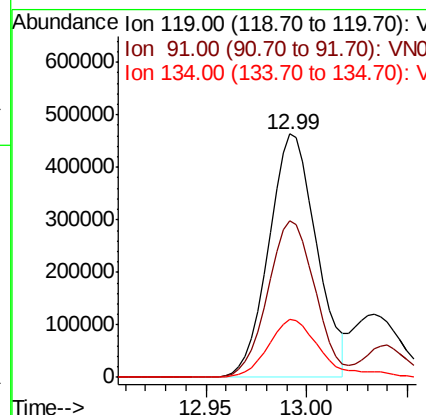
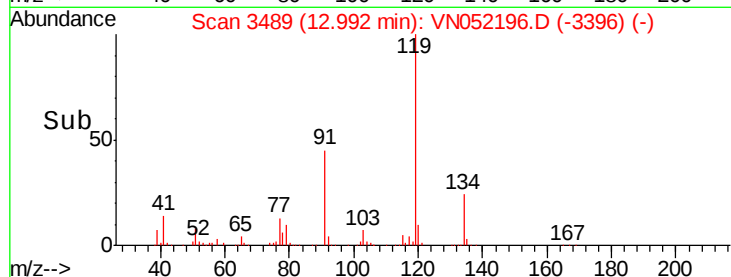
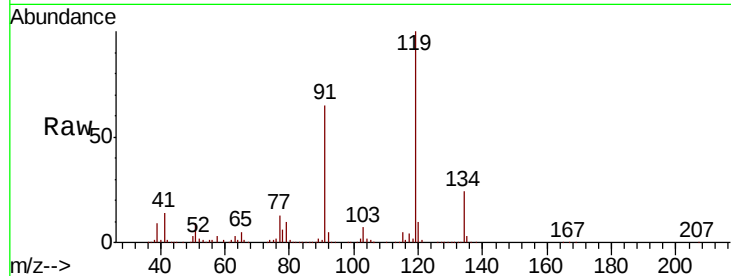
#83
tert-Butylbenzene
Concen: 51.633 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	759948		
91	63.9		32.3	96.8
134	26.3		13.0	38.9

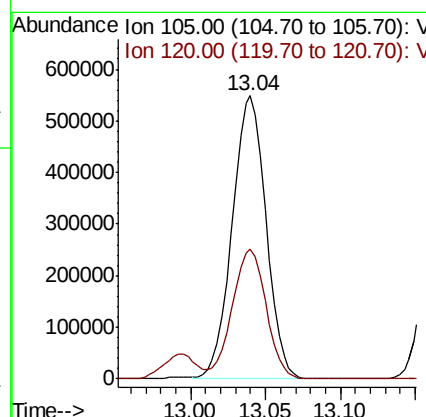
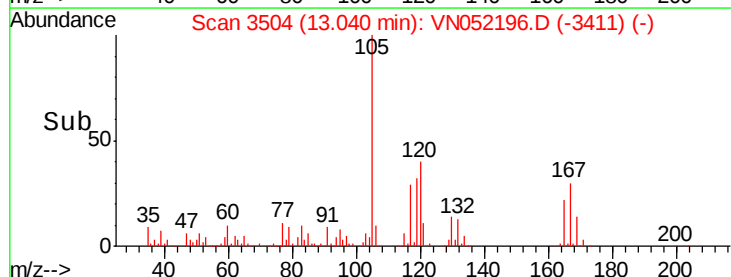
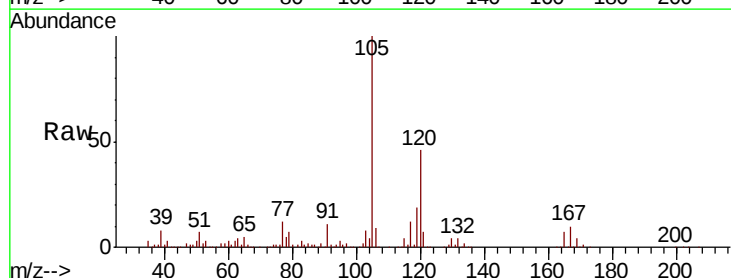
Manual Integrations
APPROVED

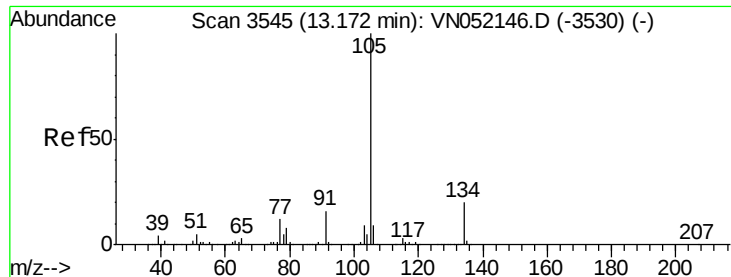
MMDadoda
11/8/2018 9:13:42 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.930 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	861654		
120	46.1		23.2	69.5





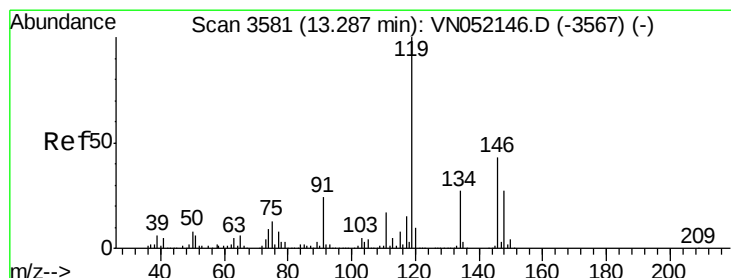
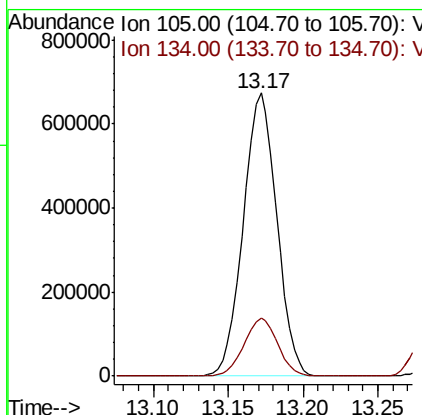
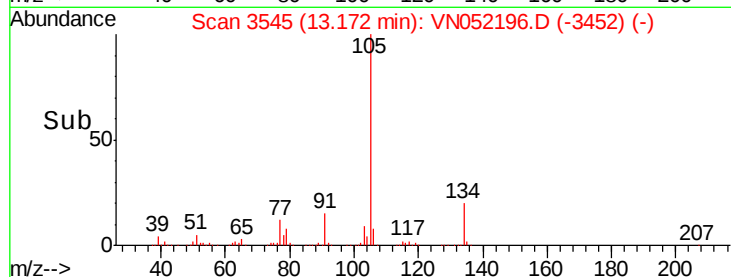
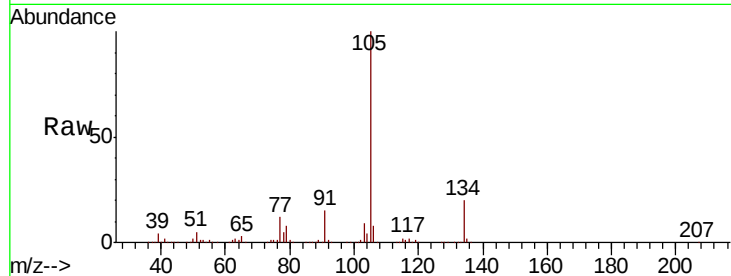
#85
 sec-Butylbenzene
 Concen: 52.873 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1052288
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4

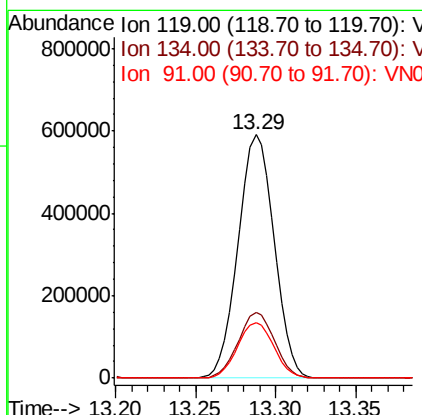
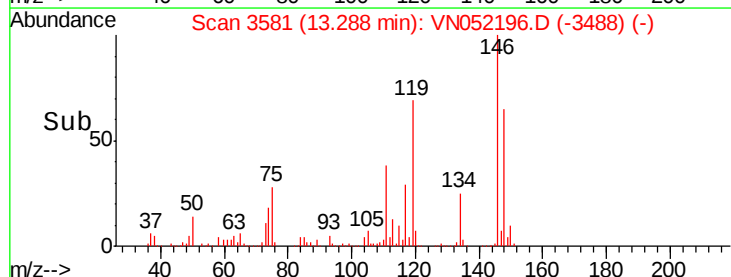
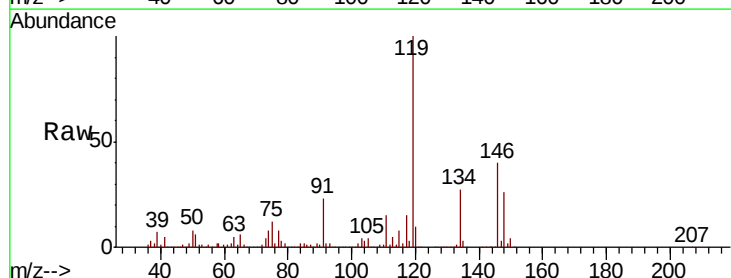
Manual Integrations
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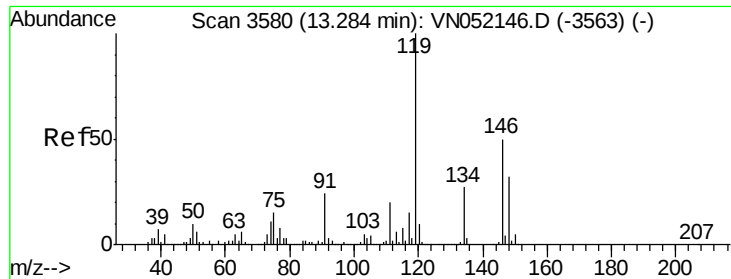
MMDadoda
 11/8/2018 9:13:42 AM



#86
 p-Isopropyltoluene
 Concen: 53.955 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Tgt Ion:119 Resp: 903810
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.5
 91 23.0 11.9 35.7





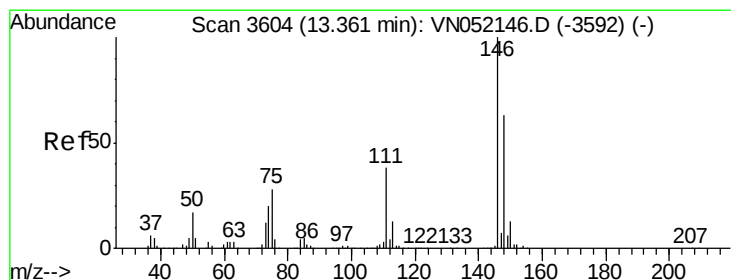
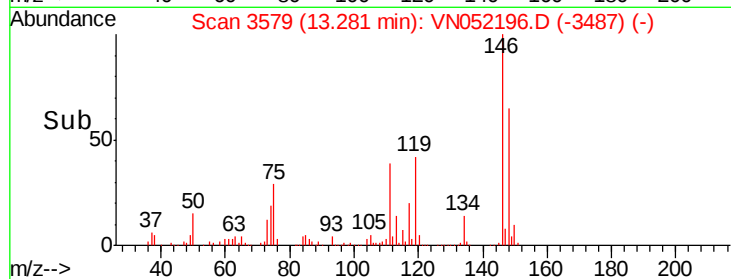
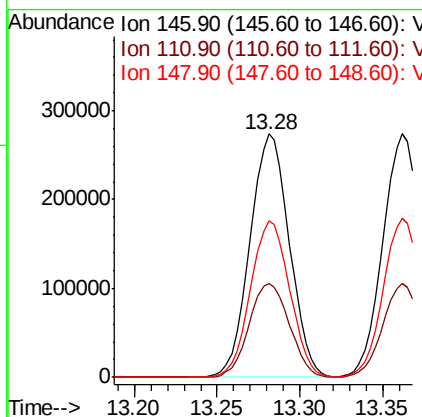
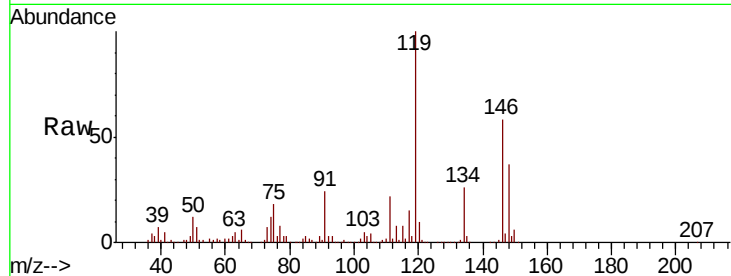
#87
 1,3-Dichlorobenzene
 Concen: 52.120 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.6
148	64.2	32.1	96.3

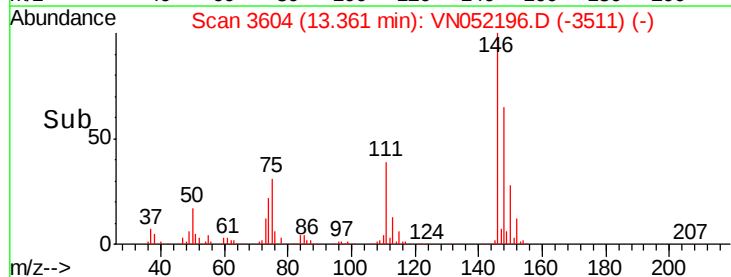
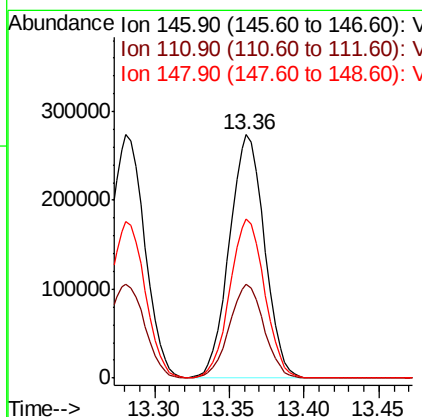
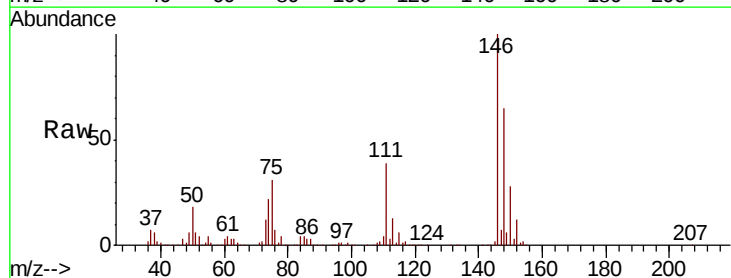
Manual Integrations
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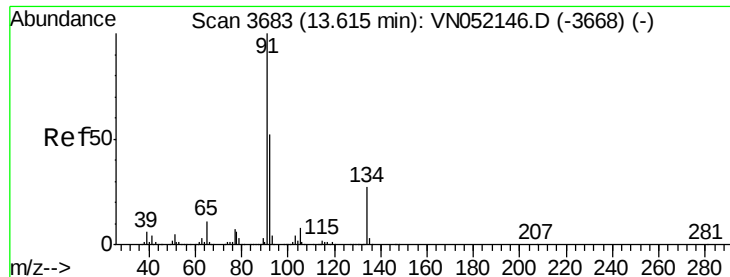
MMDadoda
 11/8/2018 9:13:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.600 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.9	31.5	94.5





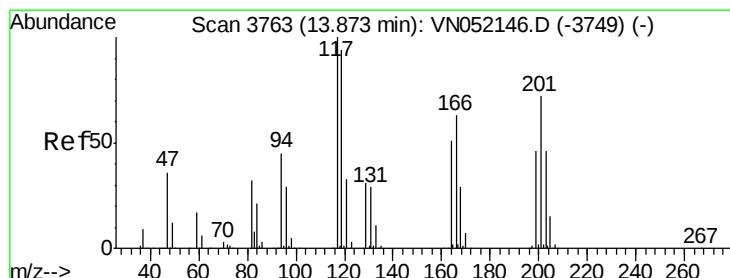
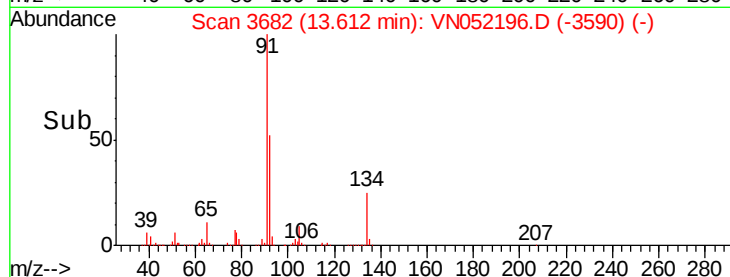
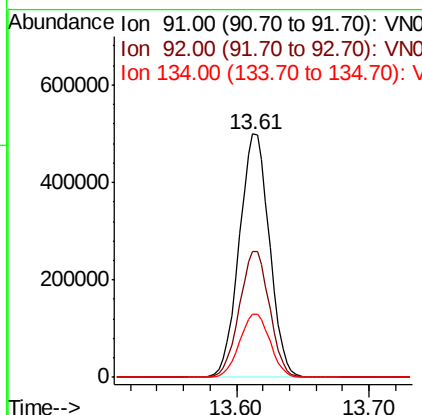
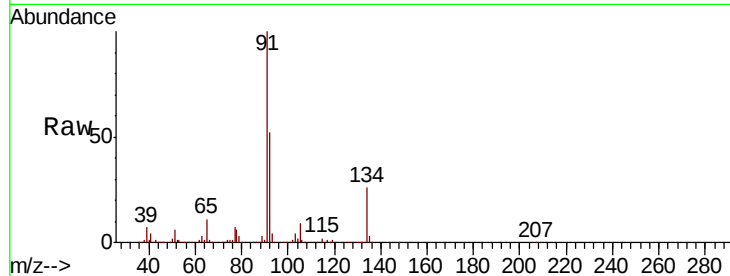
#89
n-Butylbenzene
Concen: 54.241 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.8
134	26.3	13.4	40.2

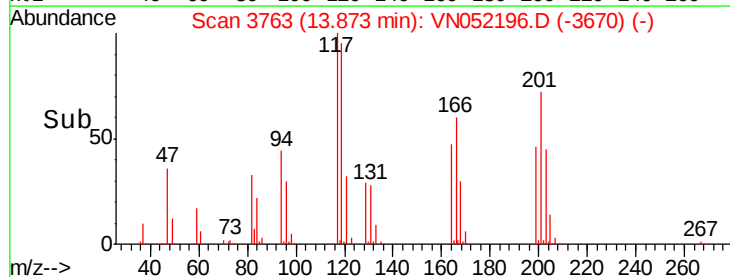
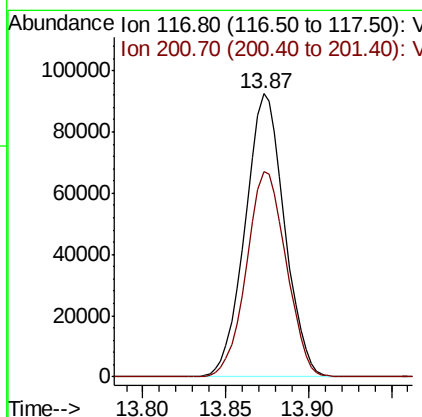
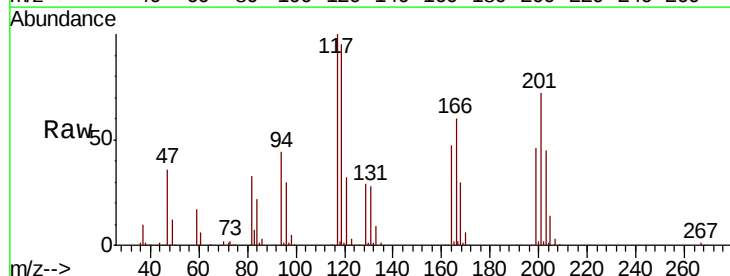
Manual Integrations
APPROVED

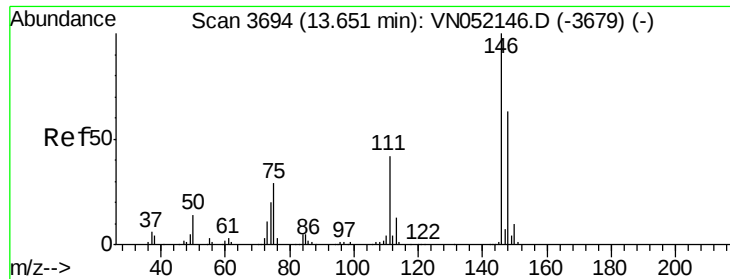
MMDadoda
11/8/2018 9:13:42 AM



#90
Hexachloroethane
Concen: 54.000 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.1	36.8	110.3





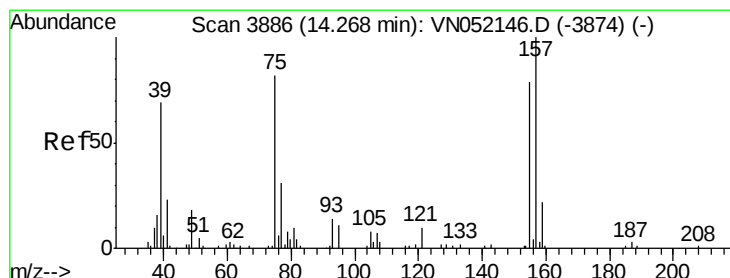
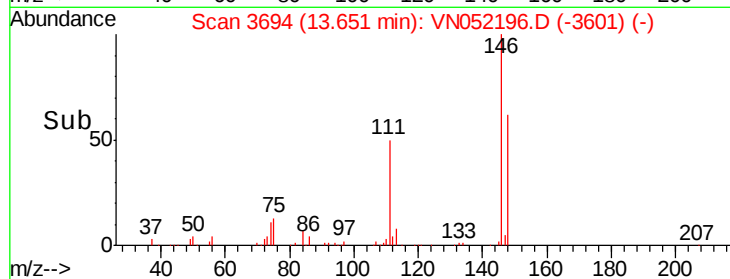
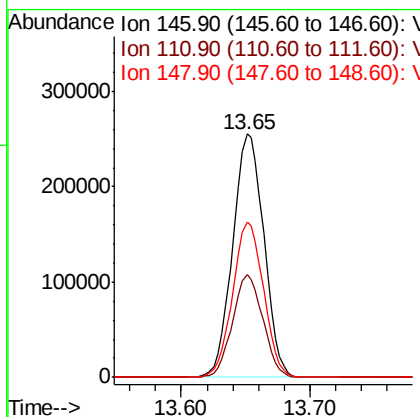
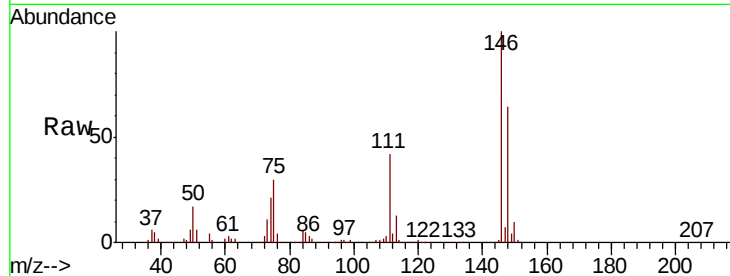
#91
 1,2-Dichlorobenzene
 Concen: 52.520 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.1
148	63.1	31.4	94.3

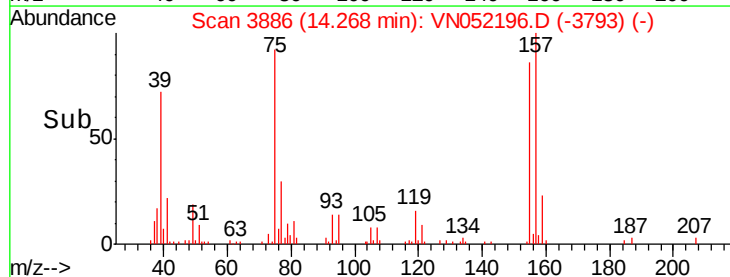
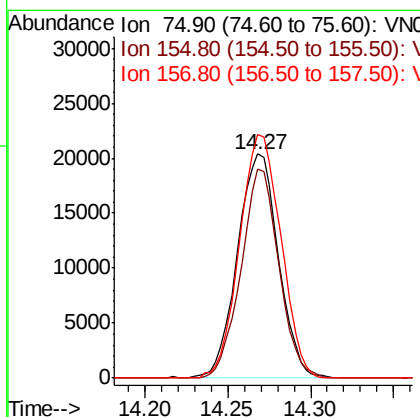
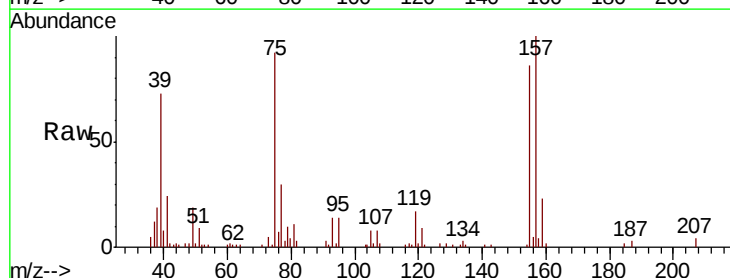
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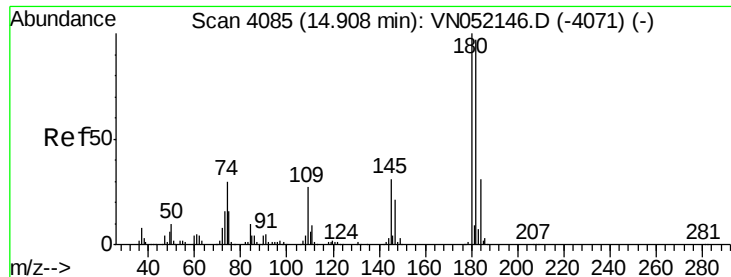
MMDadoda
 11/8/2018 9:13:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.762 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	47.4	142.2
157	109.8	60.3	180.8





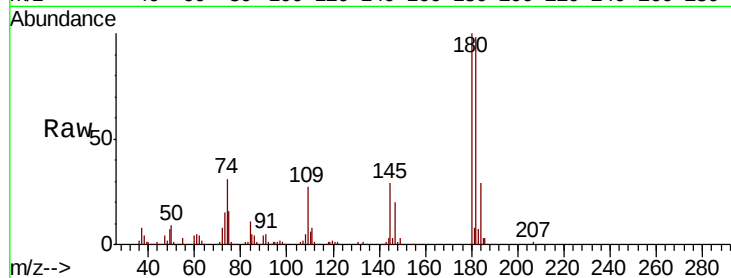
#93
 1,2,4-Trichlorobenzene
 Concen: 50.234 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	192980		
182	95.4	48.1	144.4	
145	30.2	15.3	45.9	

Manual Integrations
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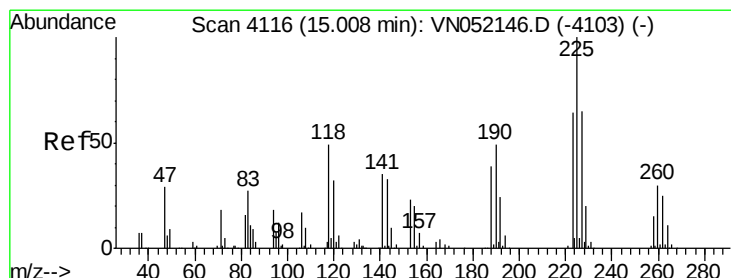
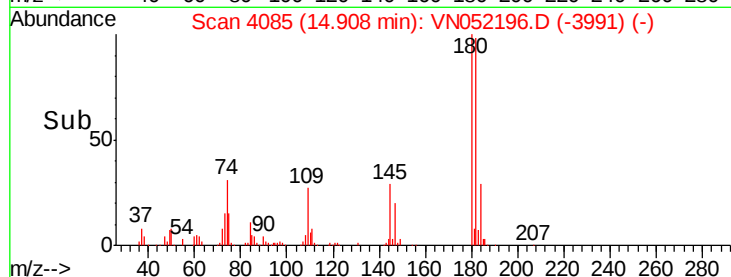
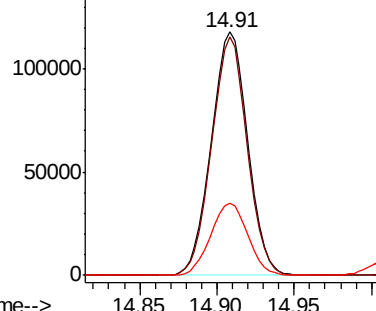


Abundance

Ion 179.80 (179.50 to 180.50): V

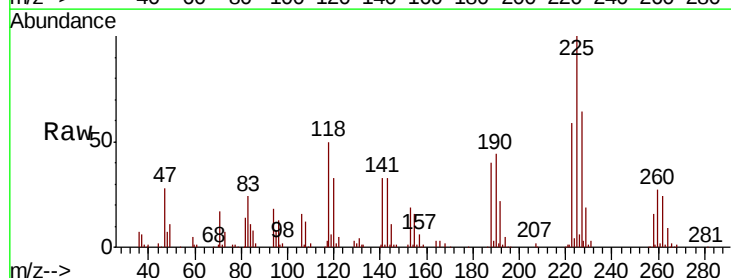
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.192 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052196.D
 Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	99857		
223	63.0	32.3	96.8	
227	63.8	31.6	94.8	

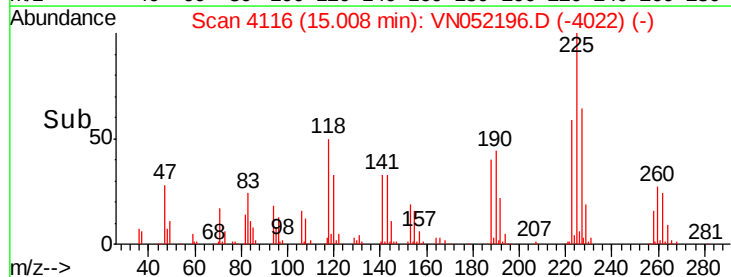
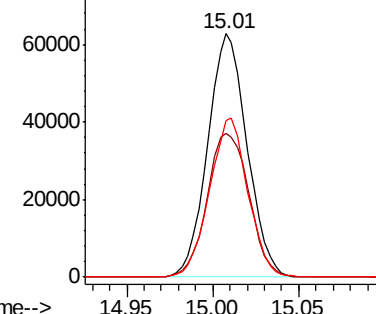


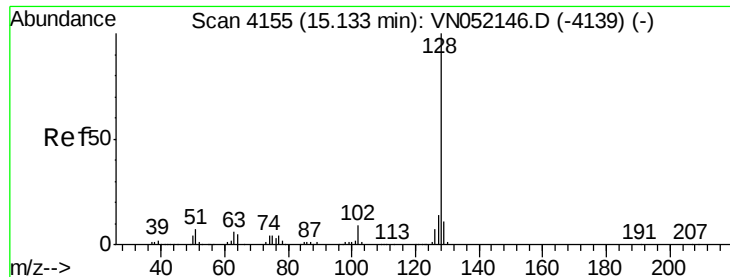
Abundance

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





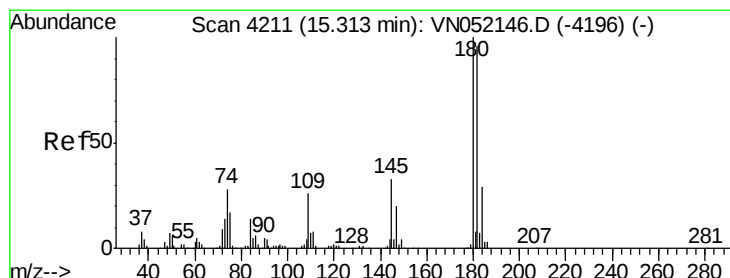
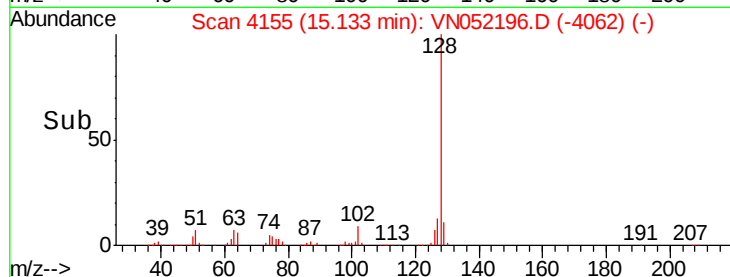
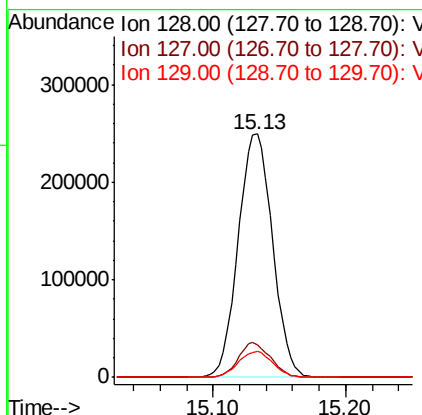
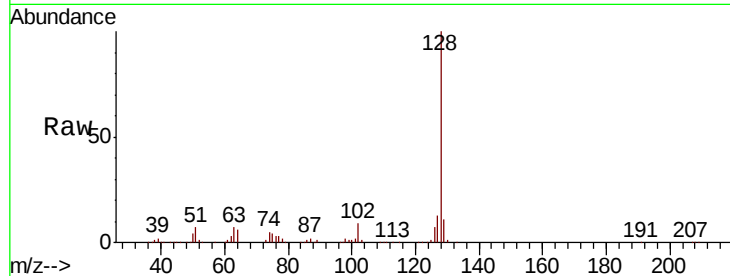
#95
Naphthalene
Concen: 53.761 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.8	9.1	13.7

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#96
1,2,3-Trichlorobenzene
Concen: 50.843 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052196.D
Acq: 7 Nov 2018 8:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.6	139.7
145	32.2	16.7	50.0

