

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065119.D
 Acq On : 14 Dec 2020 23:24
 Operator : JC/MD
 Sample : L5085-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TU032-TB-121120

Quant Time: Dec 15 06:42:15 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 15 05:41:47 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

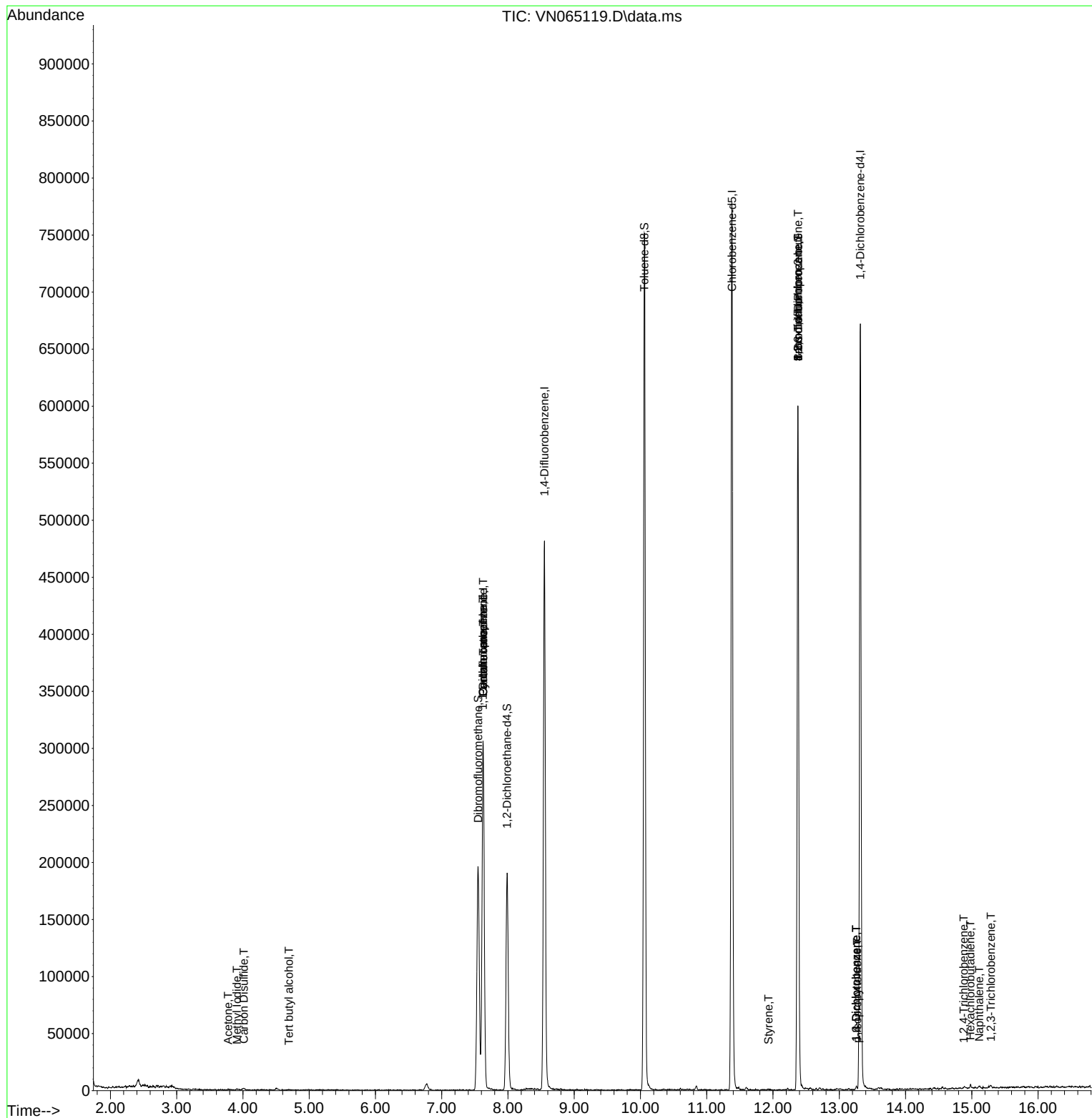
Internal Standards						
1) Pentafluorobenzene	7.624	168	251307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	429566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	454043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	189630	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	165760	57.37	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 114.74%			
35) Dibromofluoromethane	7.550	113	147489	49.39	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.78%			
50) Toluene-d8	10.058	98	525246	49.75	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.50%			
62) 4-Bromofluorobenzene	12.376	95	196869	54.14	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.28%			
Target Compounds					Qvalue	
3) Chloromethane	2.033	50	704	Below Cal	#	41
5) Bromomethane	2.537	94	247	Below Cal	#	54
10) Methyl Iodide	3.910	142	837	4.16	ug/l #	53
11) Tert butyl alcohol	4.692	59	159	0.52	ug/l #	73
16) Acetone	3.775	43	231	0.21	ug/l #	43
17) Carbon Disulfide	4.013	76	2434	0.38	ug/l #	75
20) Methylene Chloride	4.495	84	287	Below Cal	#	43
31) Cyclohexane	7.624	56	5267	1.34	ug/l #	26
36) 1,1-Dichloropropene	7.621	75	17986	4.38	ug/l #	44
38) Carbon Tetrachloride	7.624	117	22880	4.83	ug/l #	17
70) Styrene	11.932	104	446	1.42	ug/l #	65
71) Bromoform	12.376	173	1165	0.40	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	105320	30.95	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	105320	86.13	ug/l #	15
86) p-Isopropyltoluene	13.270	119	1010	1.15	ug/l	82
87) 1,3-Dichlorobenzene	13.257	146	1302	0.21	ug/l	67
88) 1,4-Dichlorobenzene	13.257	146	1302	0.21	ug/l	68
93) 1,2,4-Trichlorobenzene	14.878	180	301	3.80	ug/l #	28
94) Hexachlorobutadiene	14.981	225	776	0.37	ug/l	73
95) Naphthalene	15.112	128	2217	4.43	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.289	180	1360	4.38	ug/l #	73

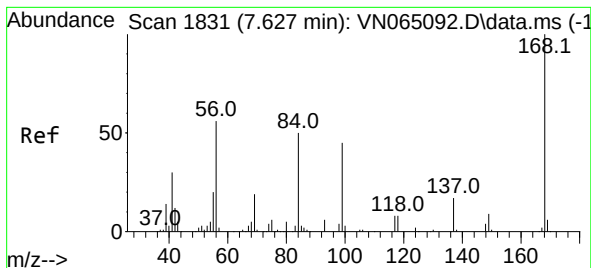
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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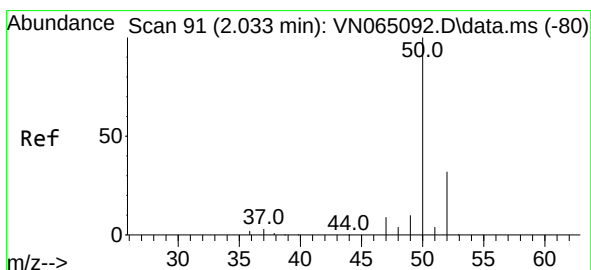
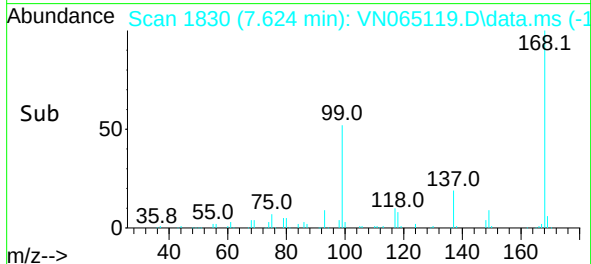
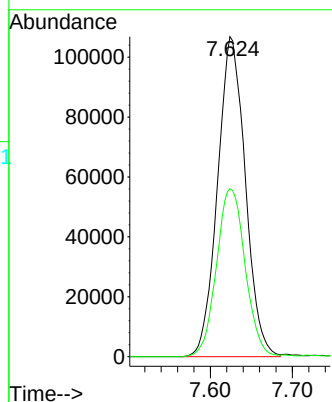
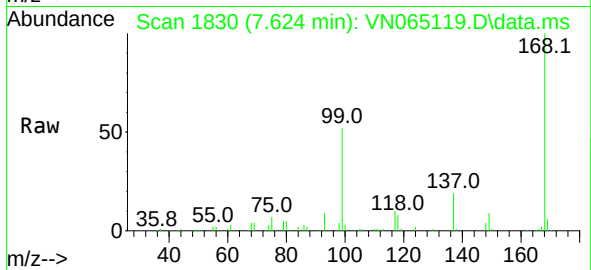




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.003 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

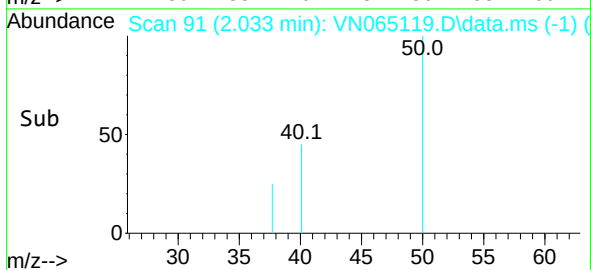
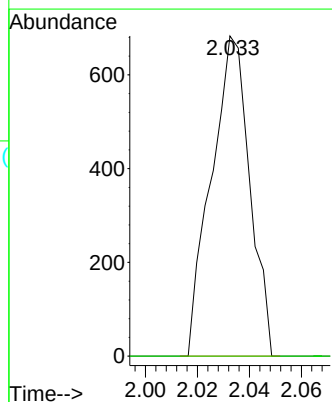
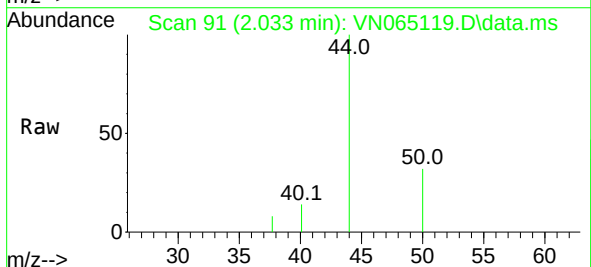
Instrument :
MSVOA_N
ClientSampleId :
TU032-TB-121120

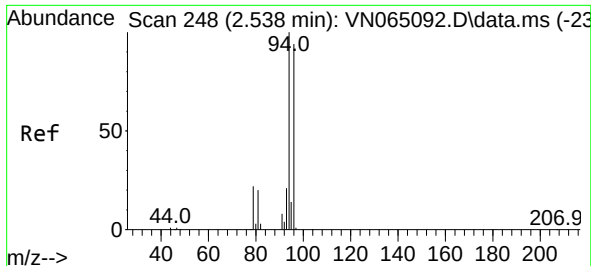
Tgt Ion:168 Resp: 251307
Ion Ratio Lower Upper
168 100
99 52.5 43.0 64.4



#3
Chloromethane
Concen: Below Cal
RT: 2.033 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion: 50 Resp: 704
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

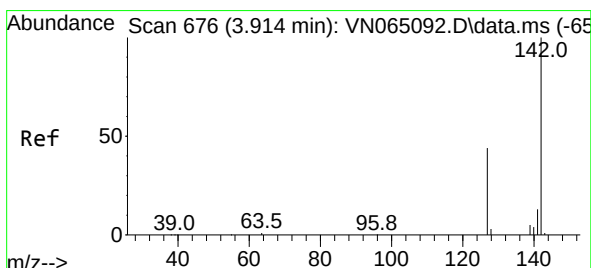
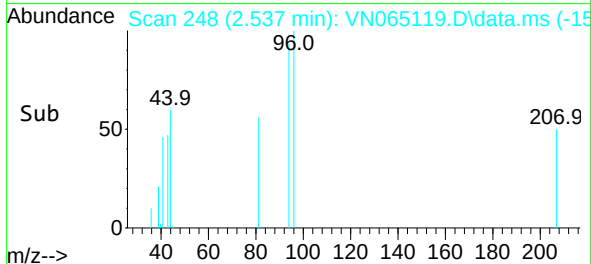
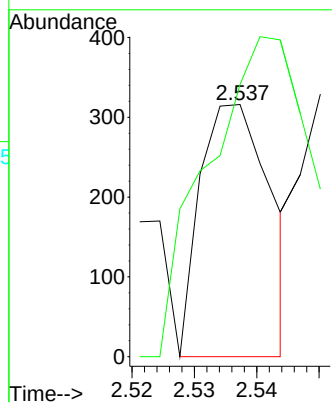
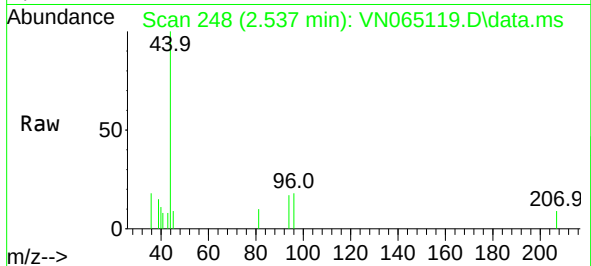




#5
Bromomethane
Concen: Below Cal
RT: 2.537 min Scan# 248
Delta R.T. -0.001 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

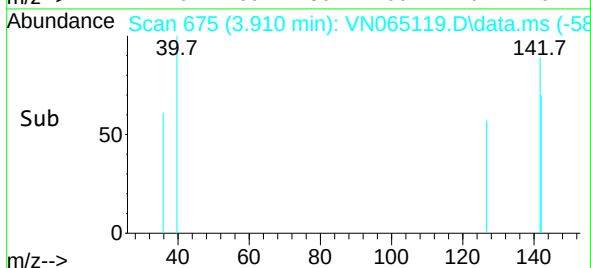
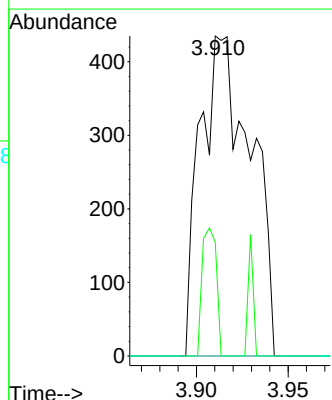
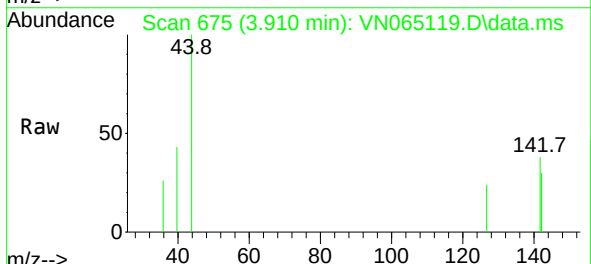
Instrument :
MSVOA_N
ClientSampleId :
TU032-TB-121120

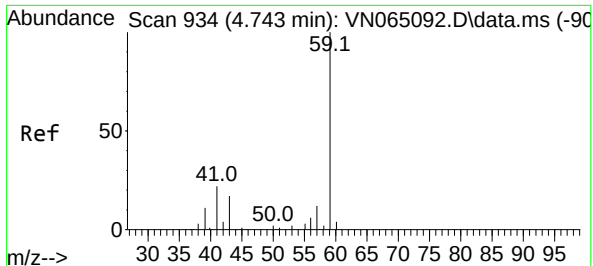
Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 49.4 75.4 113.0#



#10
Methyl Iodide
Concen: 4.16 ug/l
RT: 3.910 min Scan# 675
Delta R.T. -0.004 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion: 142 Resp: 837
Ion Ratio Lower Upper
142 100
127 11.2 35.0 52.6#
141 0.0 11.8 17.6#

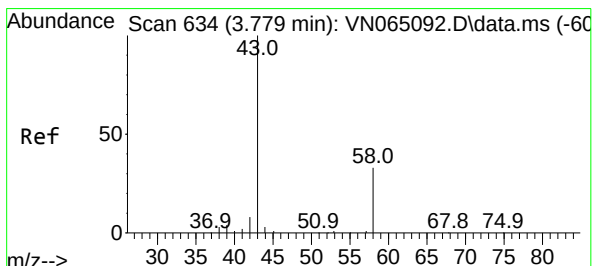
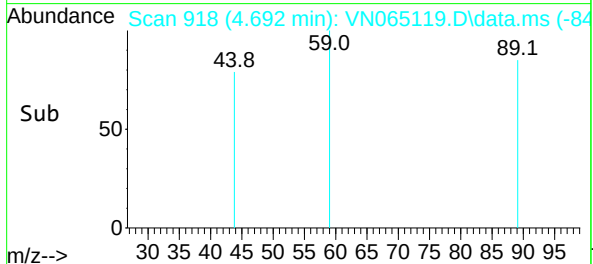
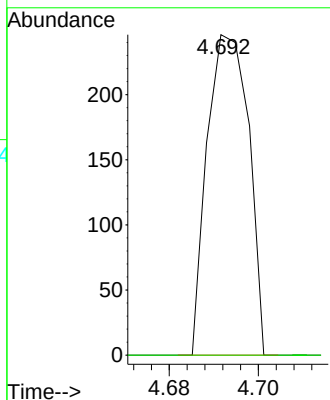
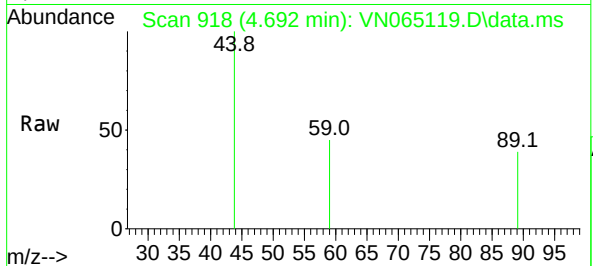




#11
Tert butyl alcohol
Concen: 0.52 ug/l
RT: 4.692 min Scan# 918
Delta R.T. -0.051 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

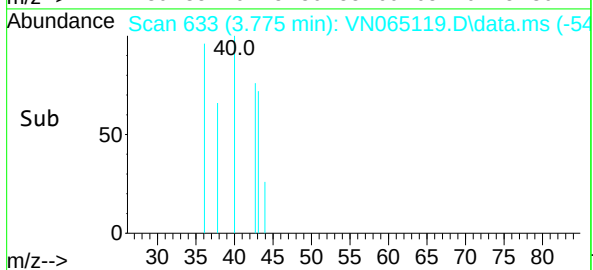
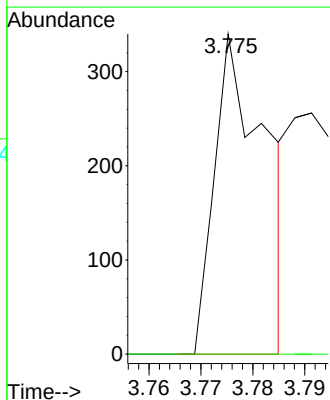
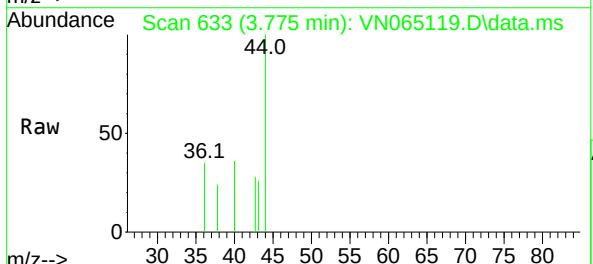
Instrument :
MSVOA_N
ClientSampleId :
TU032-TB-121120

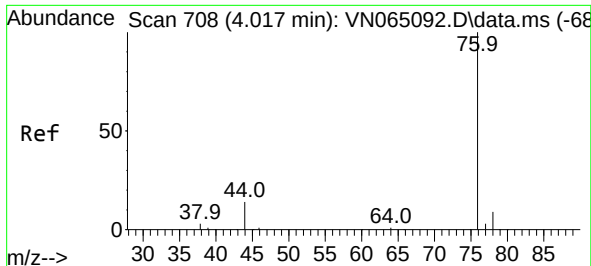
Tgt Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 0.21 ug/l
RT: 3.775 min Scan# 633
Delta R.T. -0.004 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion: 43 Resp: 231
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#

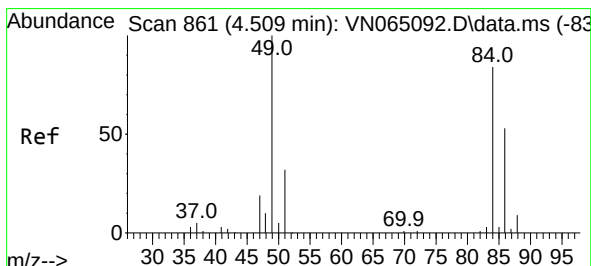
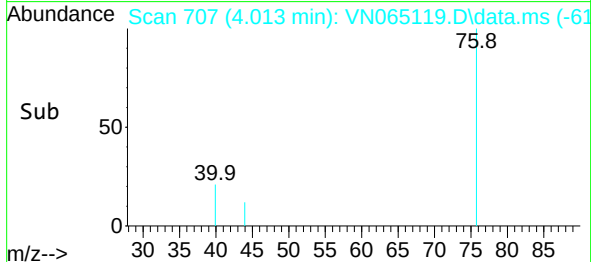
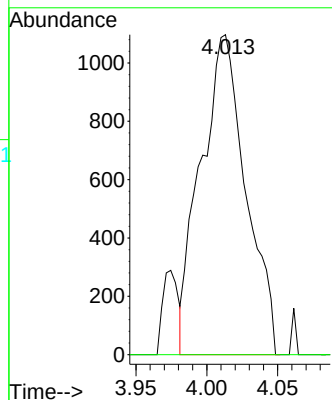
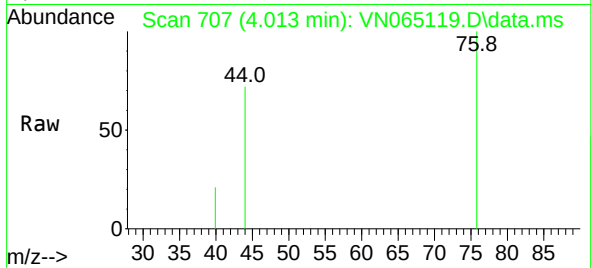




#17
Carbon Disulfide
Concen: 0.38 ug/l
RT: 4.013 min Scan# 707
Delta R.T. -0.004 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

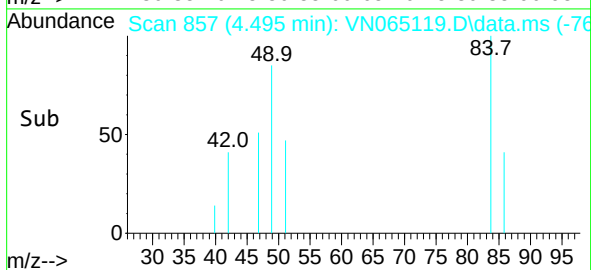
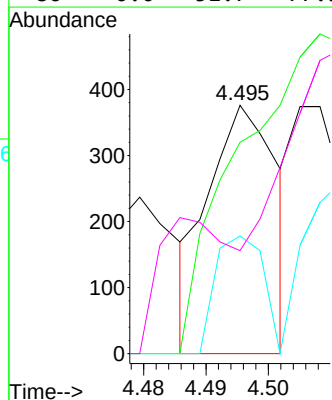
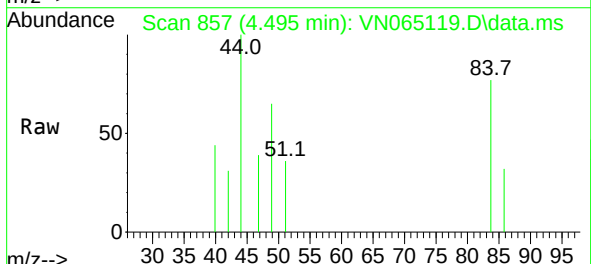
Instrument :
MSVOA_N
ClientSampleId :
TU032-TB-121120

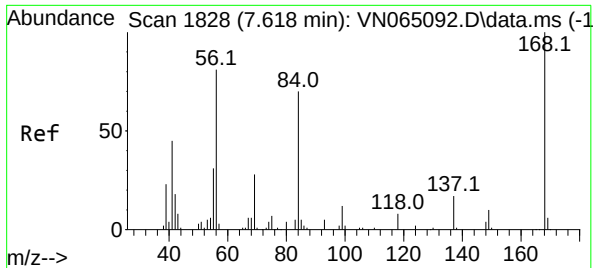
Tgt Ion: 76 Resp: 2434
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.495 min Scan# 857
Delta R.T. -0.014 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion: 84 Resp: 287
Ion Ratio Lower Upper
84 100
49 154.6 93.4 140.0#
51 86.0 28.2 42.4#
86 0.0 51.7 77.5#

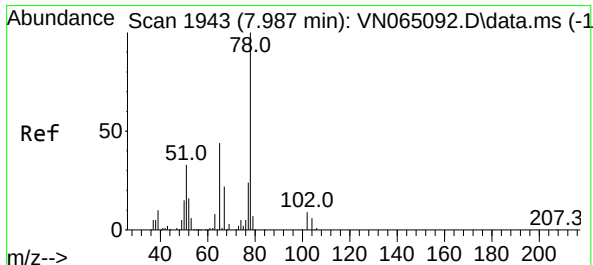
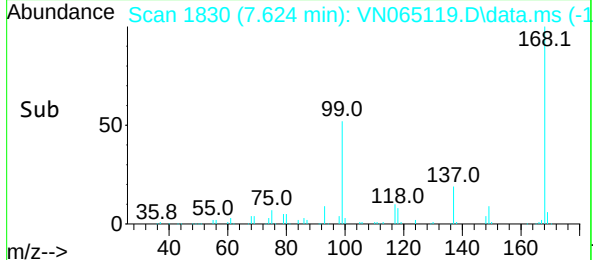
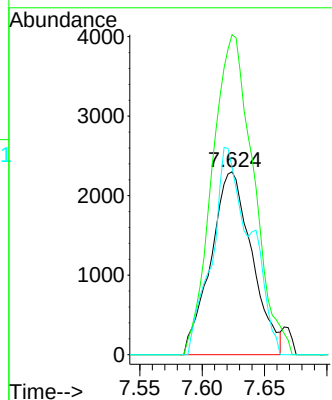
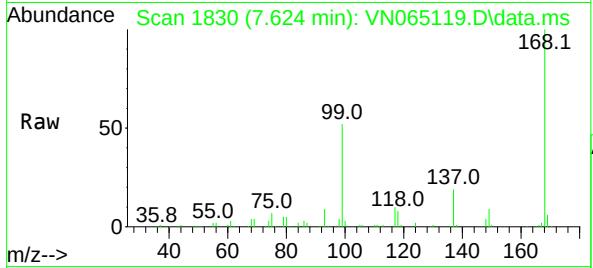




#31
Cyclohexane
Concen: 1.34 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.006 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

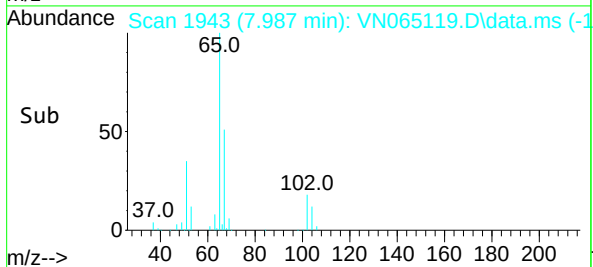
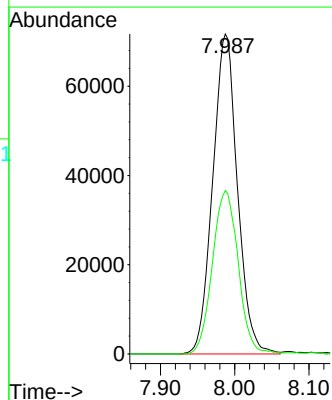
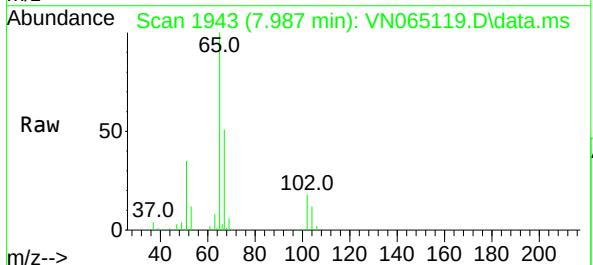
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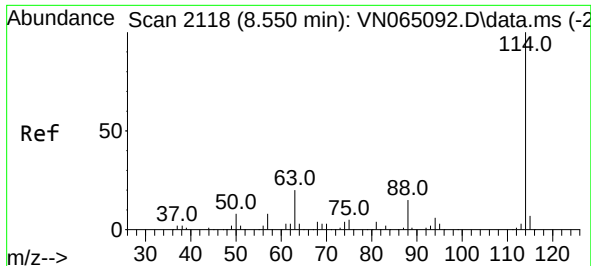
Tgt Ion: 56 Resp: 5267
Ion Ratio Lower Upper
56 100
69 174.9 27.5 41.3#
84 102.3 73.9 110.9



#33
1,2-Dichloroethane-d4
Concen: 57.37 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion: 65 Resp: 165760
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.2

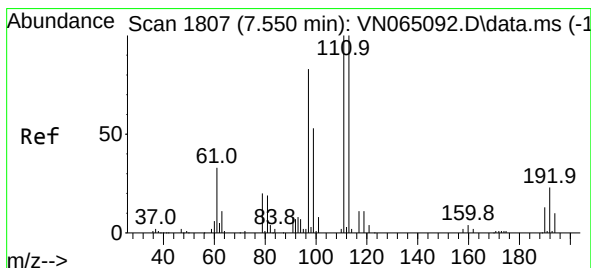
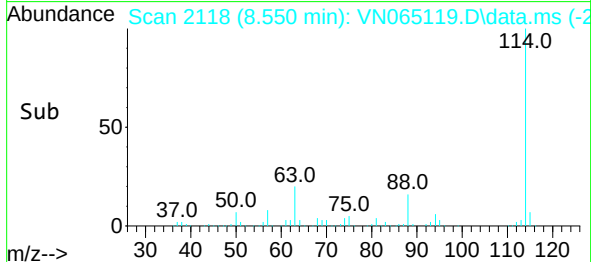
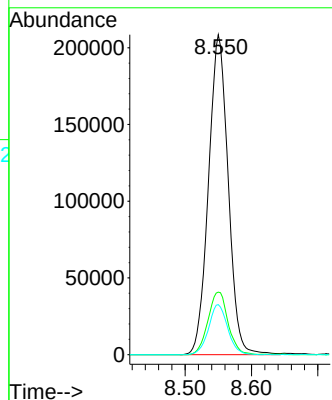
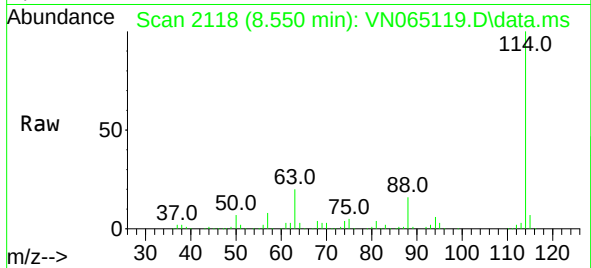




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

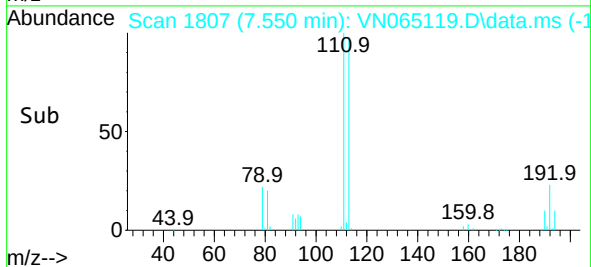
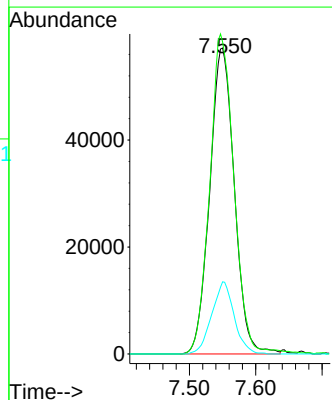
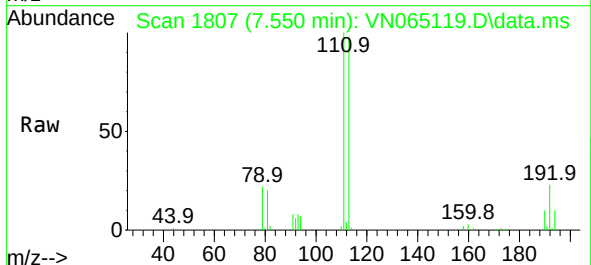
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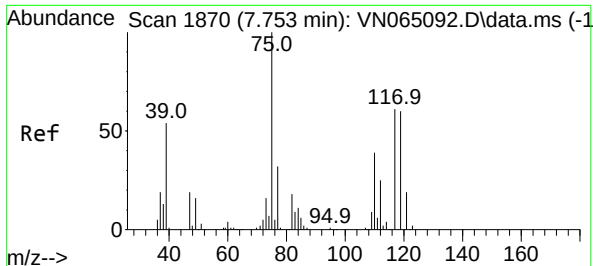
Tgt Ion:114 Resp: 429566
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.6
88 15.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.39 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion:113 Resp: 147489
Ion Ratio Lower Upper
113 100
111 103.3 81.6 122.4
192 21.5 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.38 ug/l

RT: 7.621 min Scan# 1829

Delta R.T. -0.132 min

Lab File: VN065119.D

Acq: 14 Dec 2020 23:24

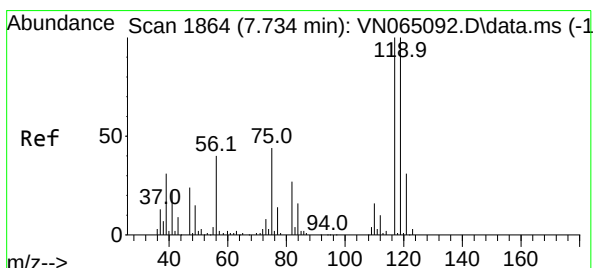
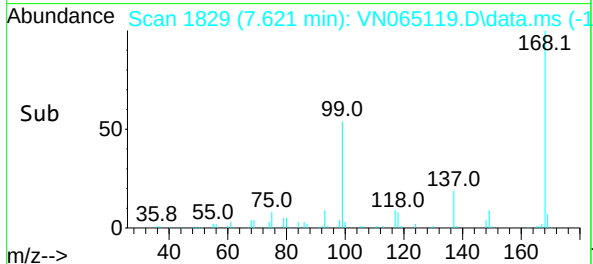
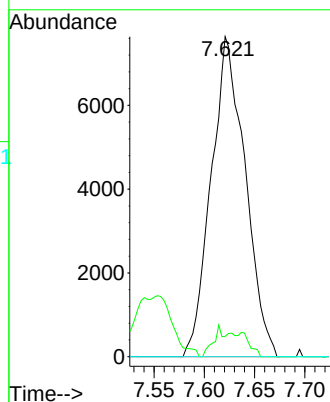
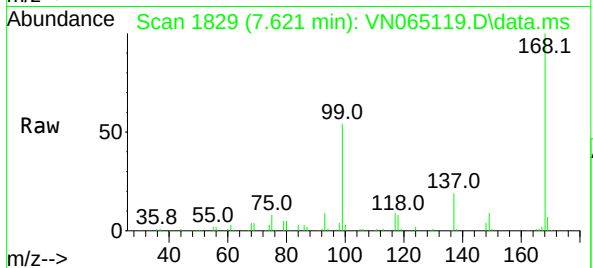
Tgt Ion: 75 Resp: 17986

Ion Ratio Lower Upper

75 100

110 3.0 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.83 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. -0.110 min

Lab File: VN065119.D

Acq: 14 Dec 2020 23:24

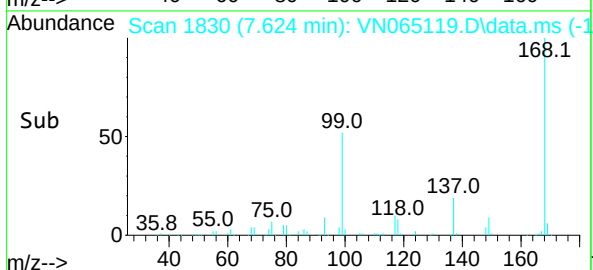
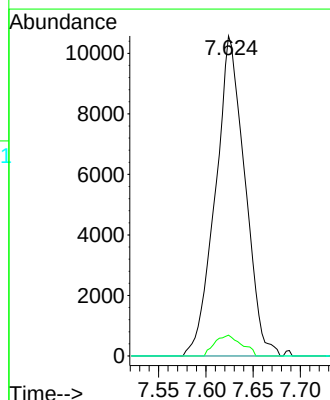
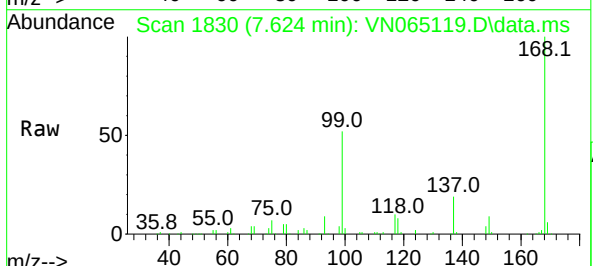
Tgt Ion: 117 Resp: 22880

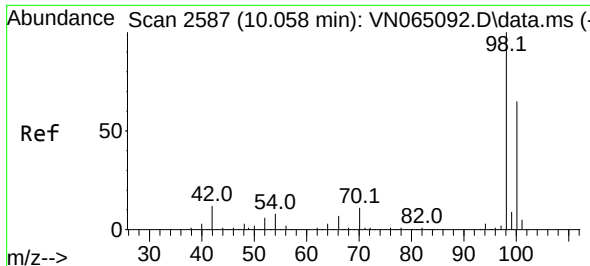
Ion Ratio Lower Upper

117 100

119 6.5 76.7 115.1#

121 0.0 25.4 38.2#

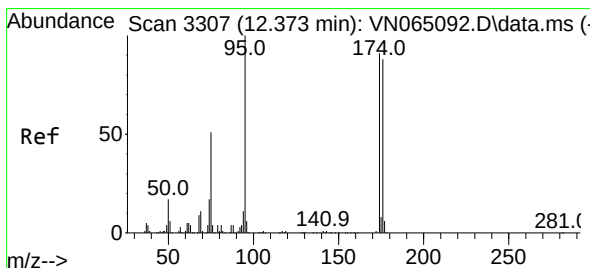
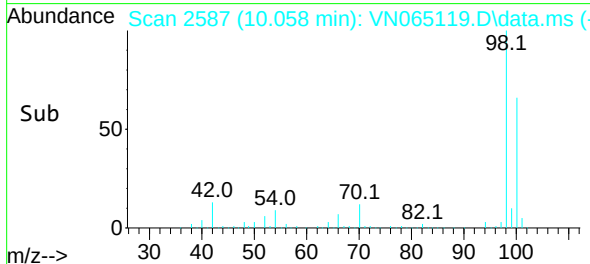
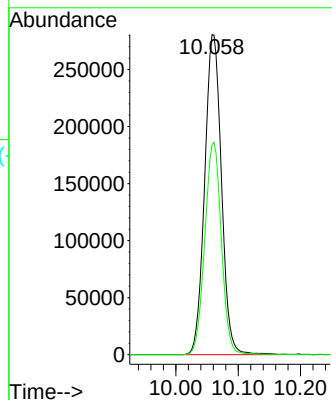
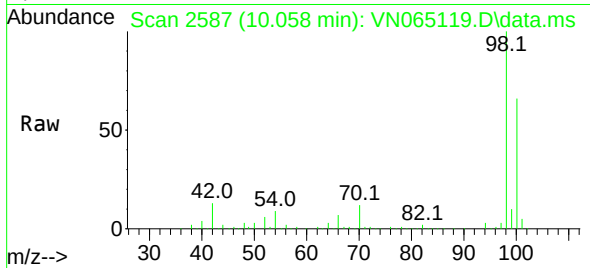




#50
Toluene-d8
Concen: 49.75 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

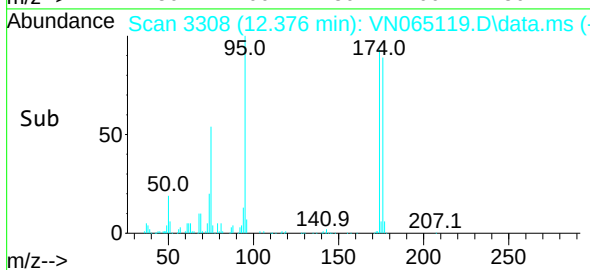
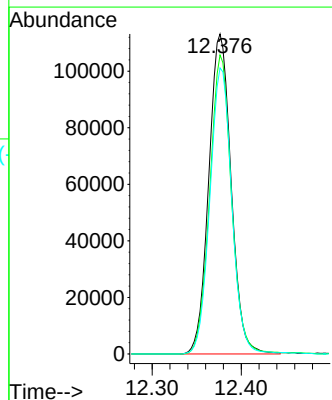
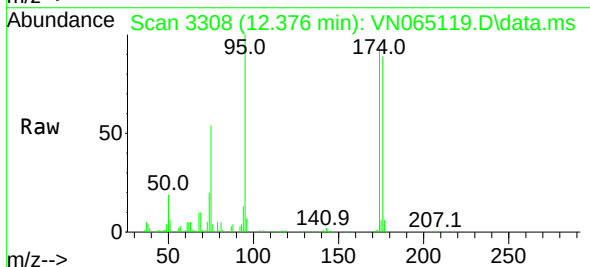
Instrument :
MSVOA_N
ClientSampleId :
TU032-TB-121120

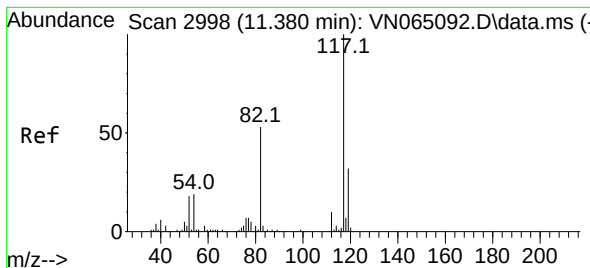
Tgt Ion: 98 Resp: 525246
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 54.14 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion: 95 Resp: 196869
Ion Ratio Lower Upper
95 100
174 91.1 0.0 160.4
176 87.5 0.0 158.4

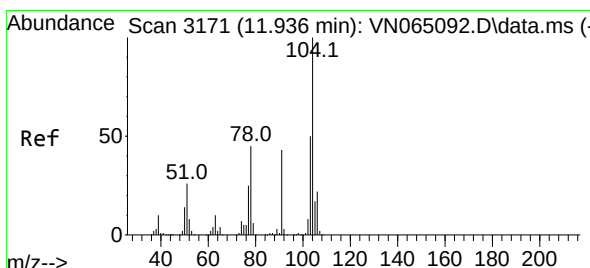
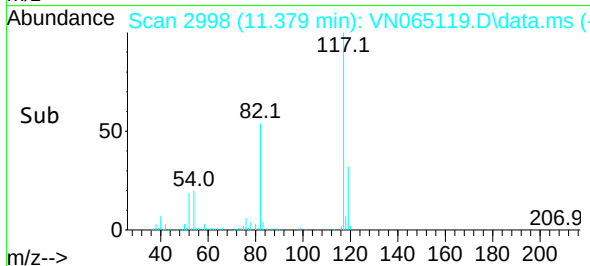
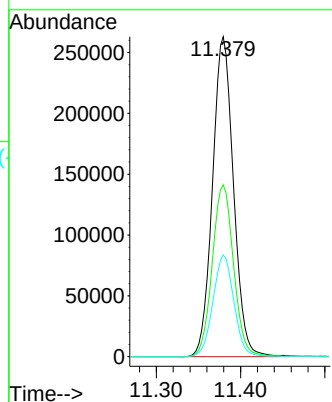
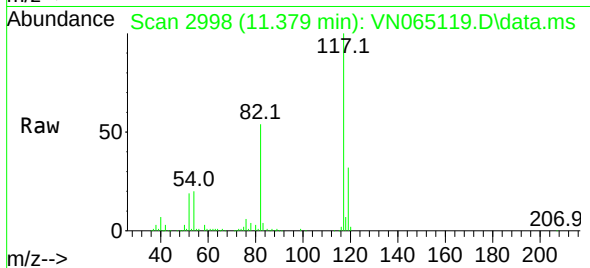




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

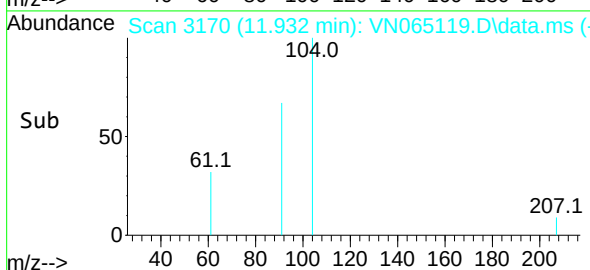
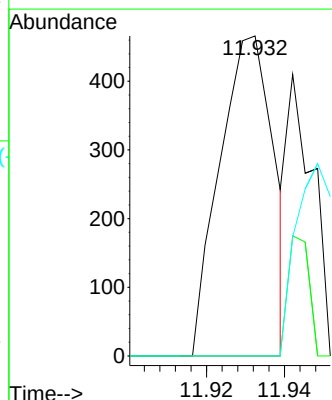
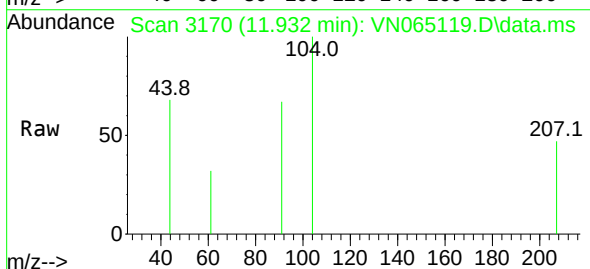
Instrument :
MSVOA_N
ClientSampleId :
TU032-TB-121120

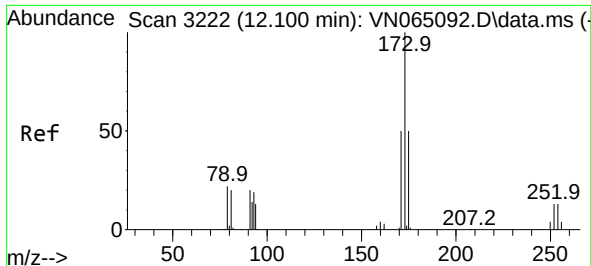
Tgt Ion:117 Resp: 454043
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 31.8 25.8 38.6



#70
Styrene
Concen: 1.42 ug/l
RT: 11.932 min Scan# 3170
Delta R.T. -0.004 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion:104 Resp: 446
Ion Ratio Lower Upper
104 100
78 14.8 39.0 58.6#
103 40.1 44.3 66.5#

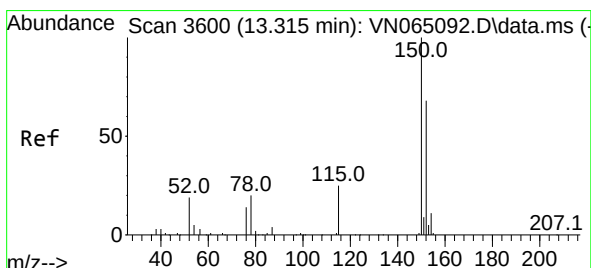
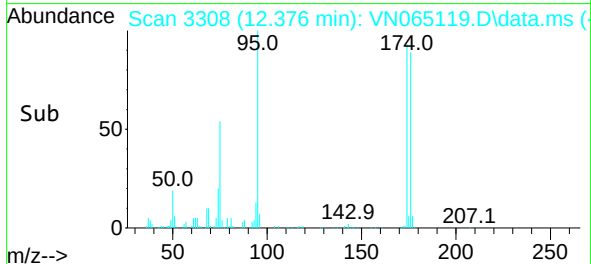
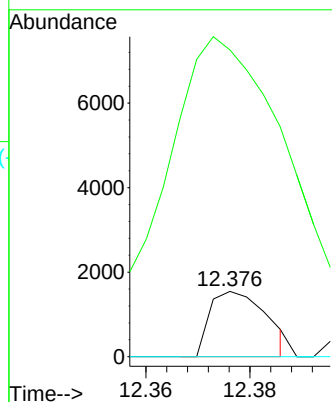
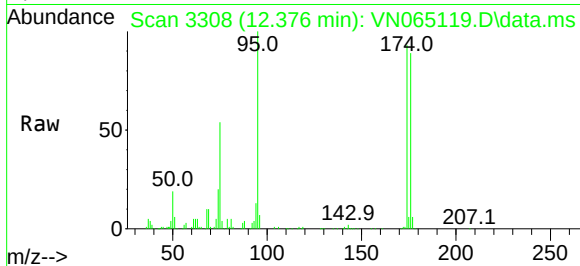




#71
Bromoform
Concen: 0.40 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

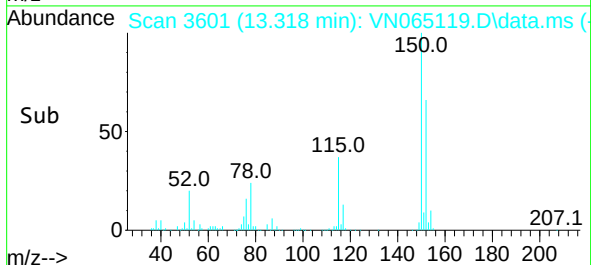
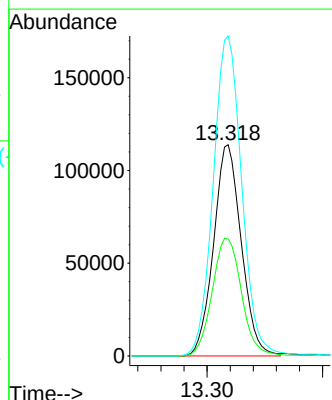
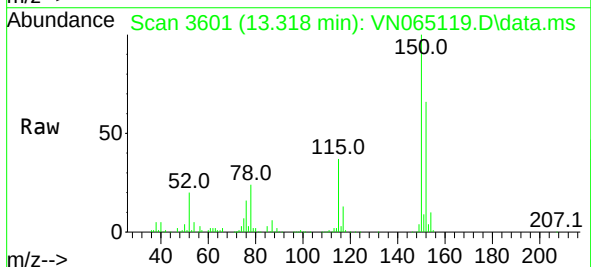
Instrument :
MSVOA_N
ClientSampleId :
TU032-TB-121120

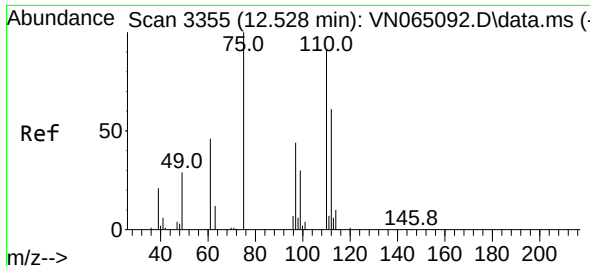
Tgt Ion:173 Resp: 1165
Ion Ratio Lower Upper
173 100
175 945.9 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.003 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion:152 Resp: 189630
Ion Ratio Lower Upper
152 100
115 59.0 29.7 89.1
150 156.3 0.0 350.6

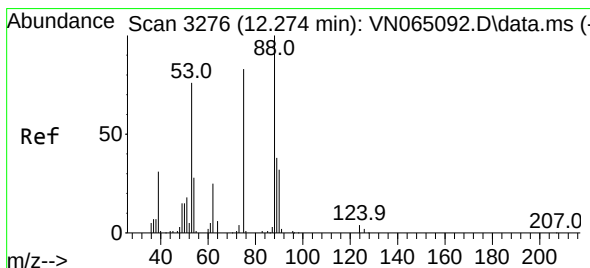
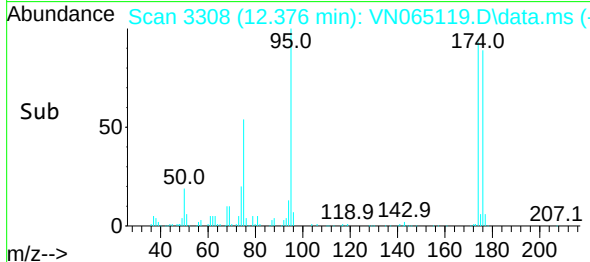
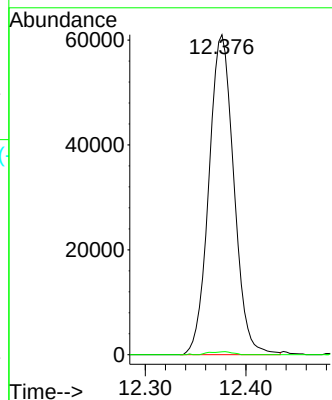
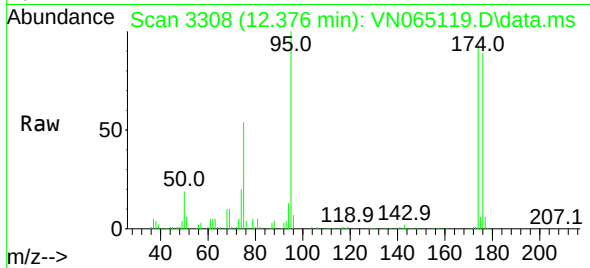




#76
1,2,3-Trichloropropane
Concen: 30.95 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.152 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

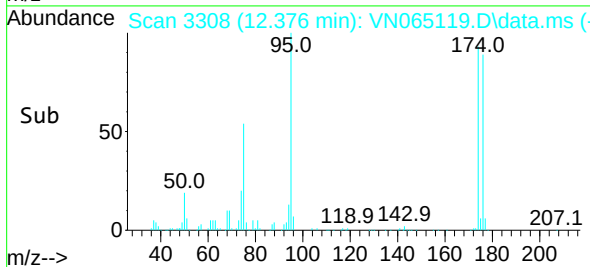
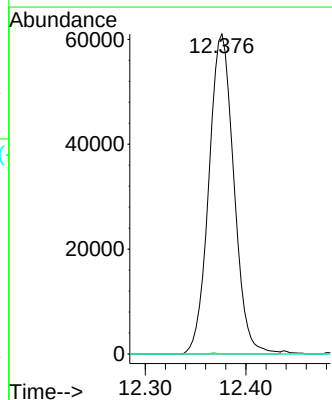
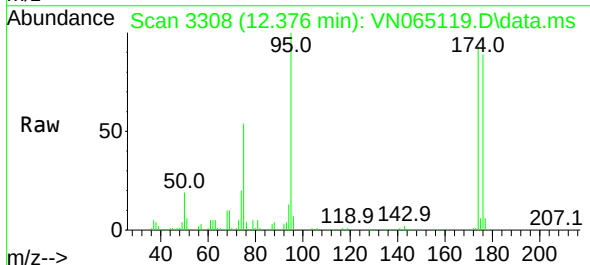
Instrument :
MSVOA_N
ClientSampleId :
TU032-TB-121120

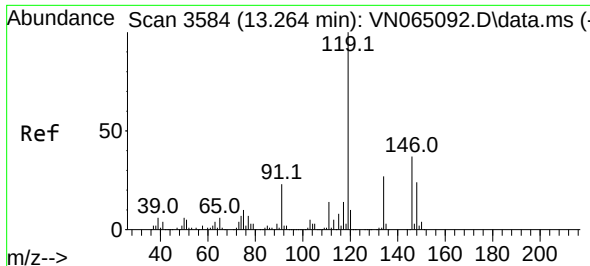
Tgt Ion: 75 Resp: 105320
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.13 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.102 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion: 75 Resp: 105320
Ion Ratio Lower Upper
75 100
53 0.1 67.0 100.4#
89 0.0 39.6 59.4#

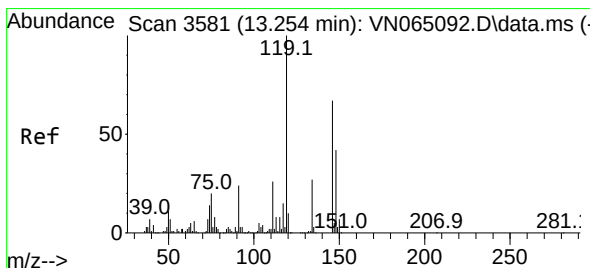
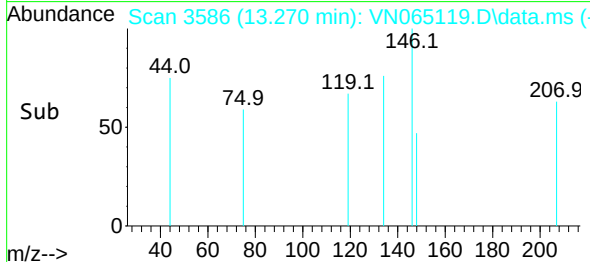
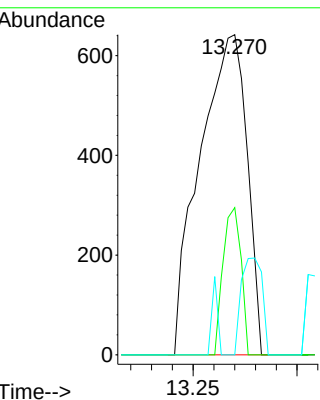
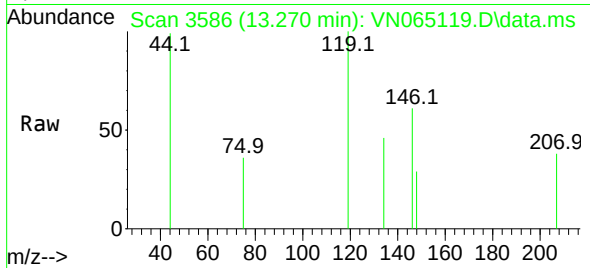




#86
p-Isopropyltoluene
Concen: 1.15 ug/l
RT: 13.270 min Scan# 3586
Delta R.T. 0.006 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

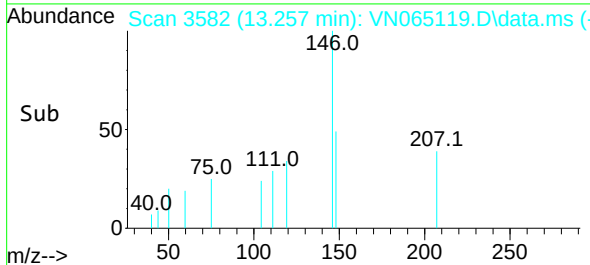
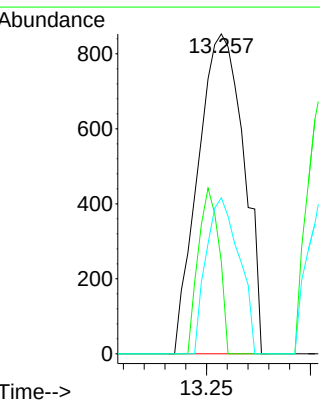
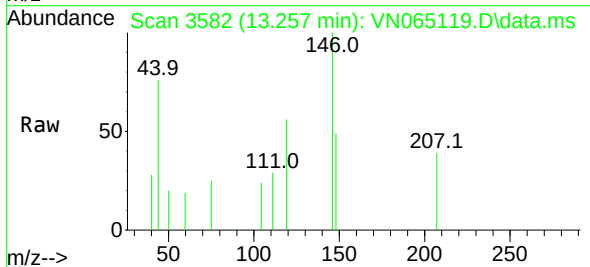
Instrument :
MSVOA_N
ClientSampleId :
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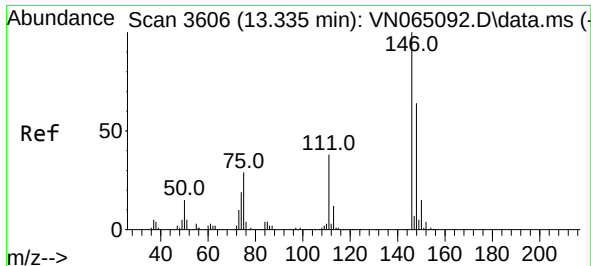
Tgt Ion:119 Resp: 1010
Ion Ratio Lower Upper
119 100
134 17.5 13.1 39.1
91 13.5 11.5 34.5



#87
1,3-Dichlorobenzene
Concen: 0.21 ug/l
RT: 13.257 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion:146 Resp: 1302
Ion Ratio Lower Upper
146 100
111 23.7 20.6 61.9
148 35.2 31.9 95.5

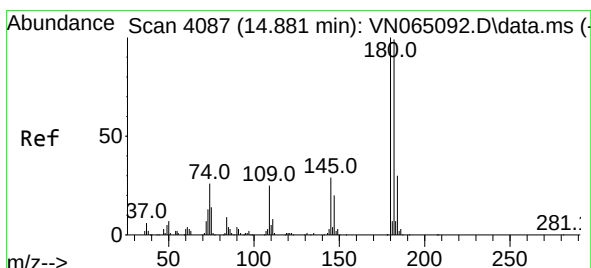
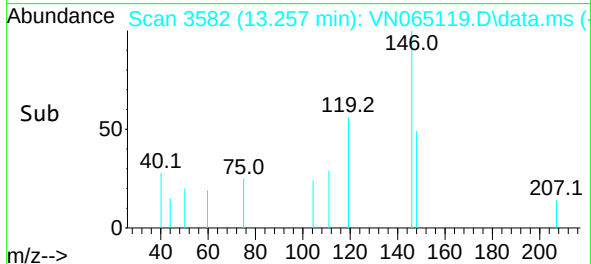
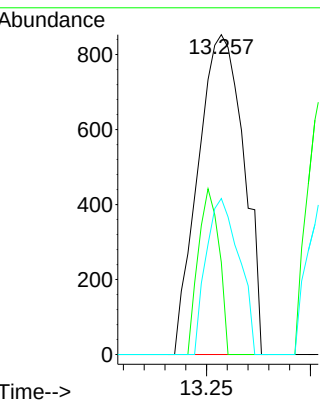
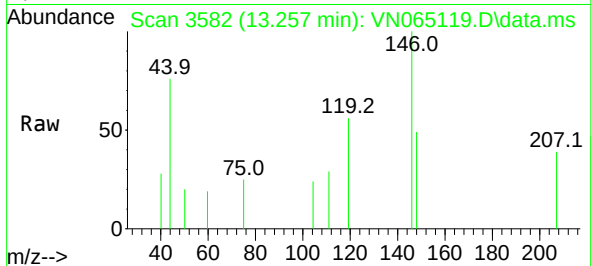




#88
1,4-Dichlorobenzene
Concen: 0.21 ug/l
RT: 13.257 min Scan# 3582
Delta R.T. -0.078 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

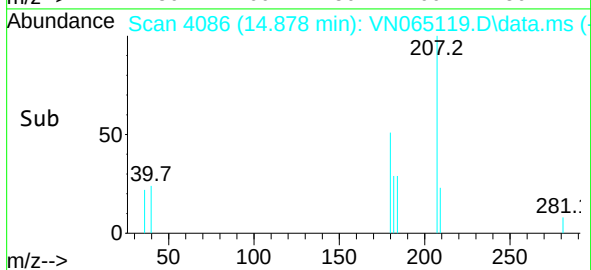
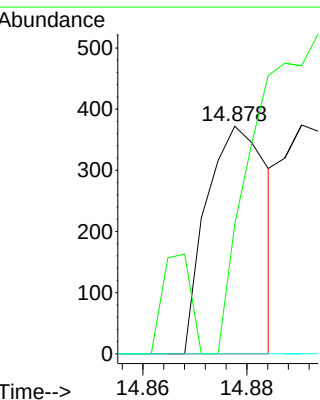
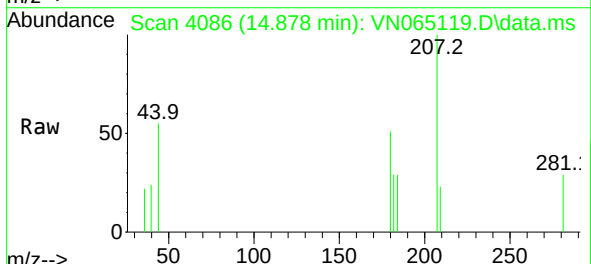
Instrument :
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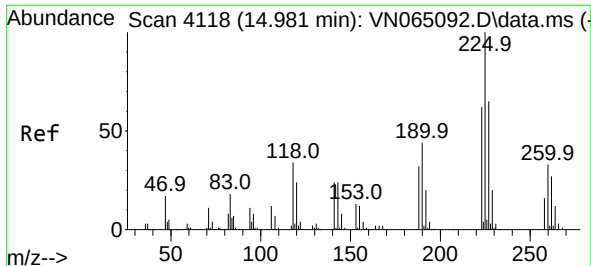
Tgt Ion:	146	Resp:	1302
Ion	Ratio	Lower	Upper
146	100		
111	23.7	19.8	59.3
148	35.2	31.9	95.5



#93
1,2,4-Trichlorobenzene
Concen: 3.80 ug/l
RT: 14.878 min Scan# 4086
Delta R.T. -0.003 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion:	180	Resp:	301
Ion	Ratio	Lower	Upper
180	100		
182	20.6	47.6	142.9#
145	0.0	15.3	45.8#

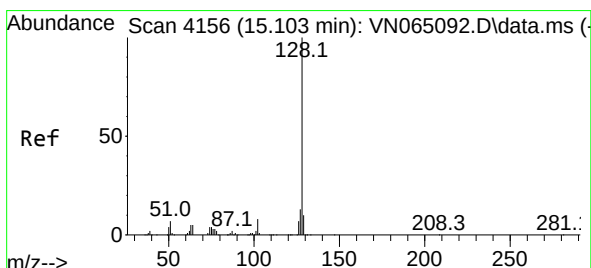
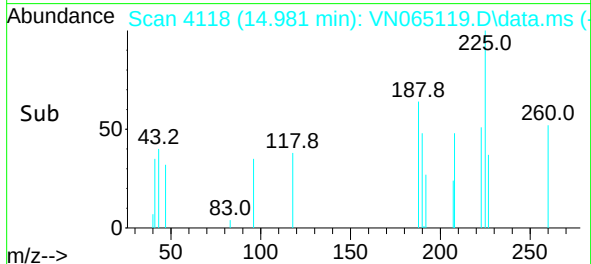
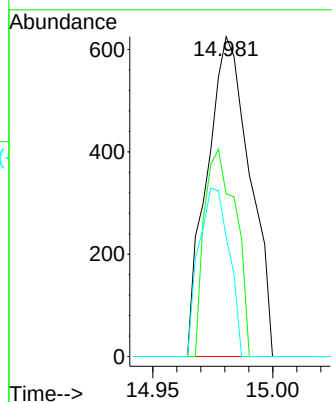
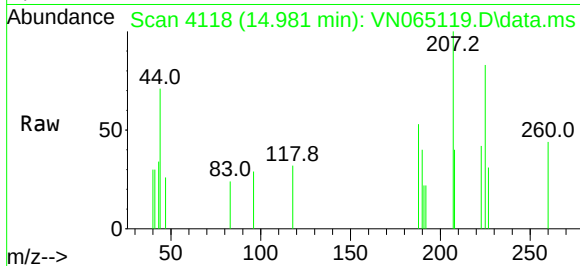




#94
Hexachlorobutadiene
Concen: 0.37 ug/l
RT: 14.981 min Scan# 4118
Delta R.T. -0.000 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

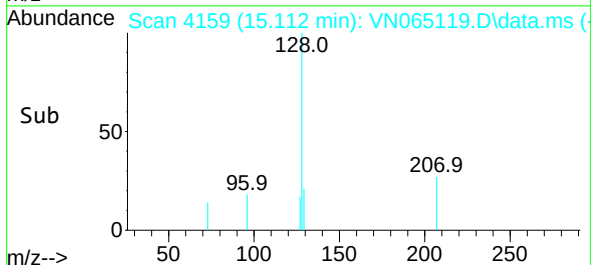
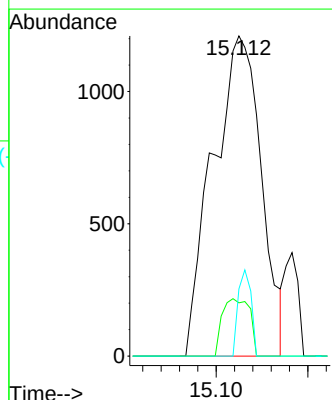
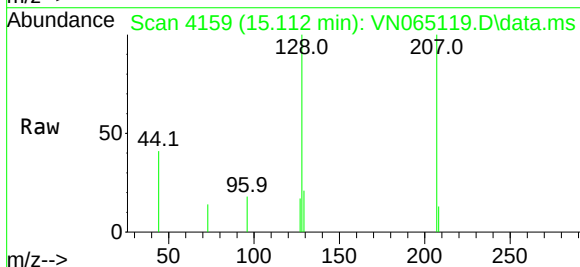
Instrument :
MSVOA_N
ClientSampleId :
TU032-TB-121120

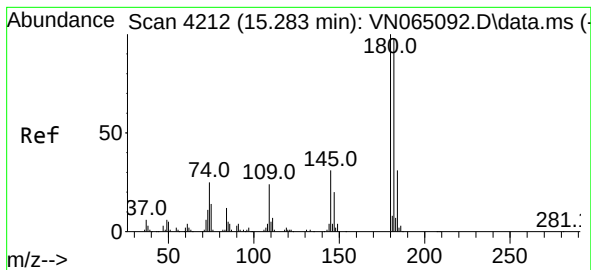
Tgt Ion:	225	Resp:	776
Ion	Ratio	Lower	Upper
225	100		
223	47.4	31.0	93.0
227	37.1	32.0	96.0



#95
Naphthalene
Concen: 4.43 ug/l
RT: 15.112 min Scan# 4159
Delta R.T. 0.009 min
Lab File: VN065119.D
Acq: 14 Dec 2020 23:24

Tgt Ion:	128	Resp:	2217
Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.3	15.5#
129	7.2	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.38 ug/l
 RT: 15.289 min Scan# 4214
 Delta R.T. 0.006 min
 Lab File: VN065119.D
 Acq: 14 Dec 2020 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 TU032-TB-121120

Tgt Ion	Ratio	Lower	Upper
180	100		
182	75.6	48.1	144.4
145	8.9	16.4	49.1#

