

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122320\
 Data File : VN065239.D
 Acq On : 23 Dec 2020 16:53
 Operator : JC/MD
 Sample : PB133762ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133762ZHE#07

Quant Time: Dec 24 04:22:22 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

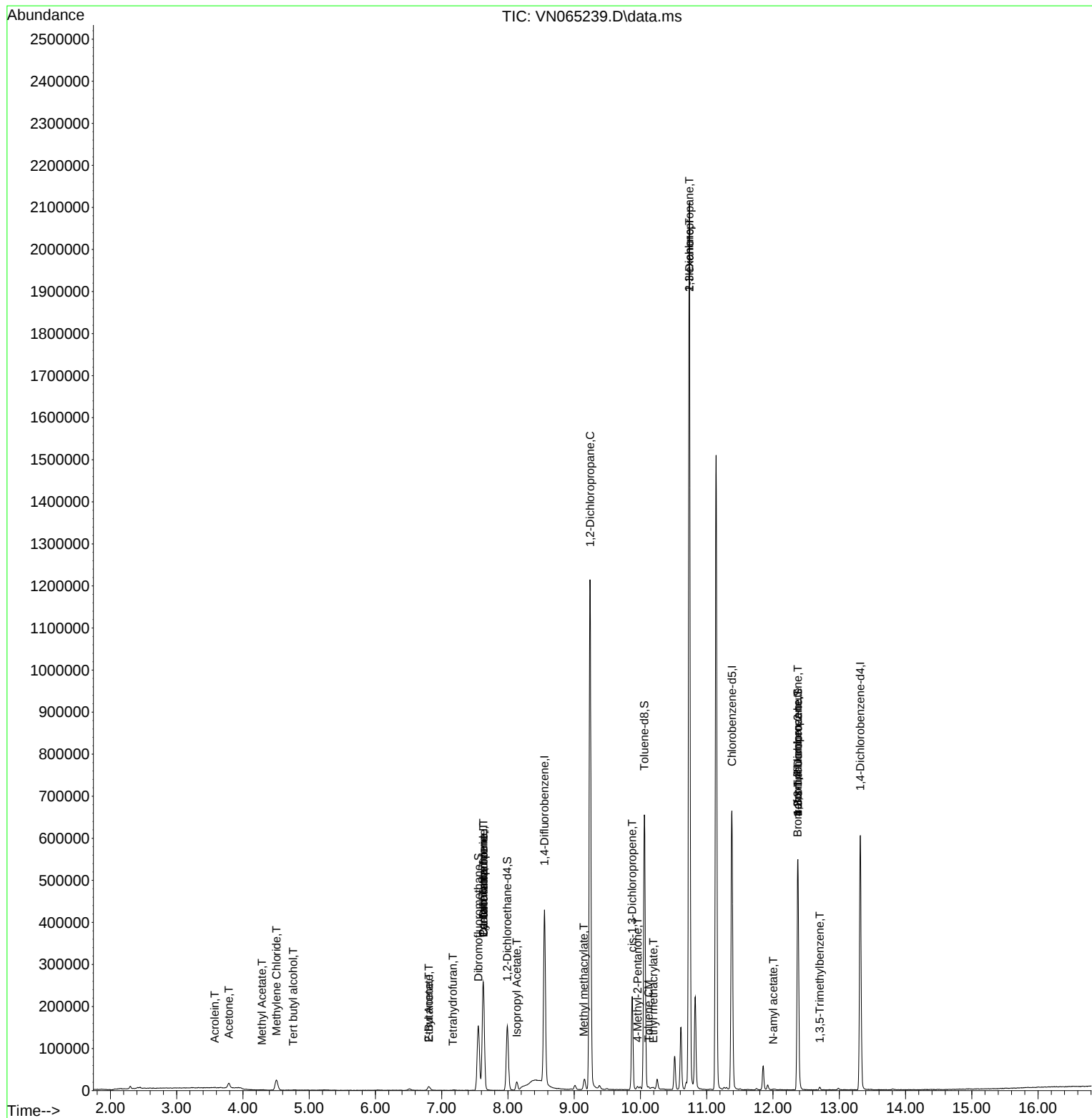
Internal Standards						
1) Pentafluorobenzene	7.627	168	228501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	380844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	399331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	176339	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	135475	52.52	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.04%			
35) Dibromofluoromethane	7.553	113	118930	51.76	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.52%			
50) Toluene-d8	10.058	98	471055	54.70	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.40%			
62) 4-Bromofluorobenzene	12.373	95	190426	55.31	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.62%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.759	59	464	1.10	ug/l #	73
13) Acrolein	3.573	56	182	3.04	ug/l #	49
16) Acetone	3.785	43	17456	5.61	ug/l	97
18) Methyl Acetate	4.287	43	720	0.31	ug/l #	66
20) Methylene Chloride	4.505	84	18290	7.27	ug/l	95
25) 2-Butanone	6.804	43	9113	6.29	ug/l	97
29) Tetrahydrofuran	7.171	42	376	0.40	ug/l #	32
31) Cyclohexane	7.627	56	4159	1.09	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	15104	4.36	ug/l #	49
37) Ethyl Acetate	6.804	43	9113	2.66	ug/l #	66
38) Carbon Tetrachloride	7.627	117	20000	5.50	ug/l #	16
43) Isopropyl Acetate	8.132	43	23587	3.99	ug/l	98
45) 1,2-Dichloropropane	9.241	63	1404	0.52	ug/l #	43
48) Methyl methacrylate	9.145	41	6896	2.40	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	5395	1.62	ug/l	94
52) Toluene	10.122	92	2064	0.32	ug/l	92
54) cis-1,3-Dichloropropene	9.875	75	41141	8.96	ug/l #	62
56) Ethyl methacrylate	10.196	69	3296	0.83	ug/l #	76
57) 1,3-Dichloropropane	10.736	76	21656	5.11	ug/l #	42
59) 2-Hexanone	10.736	43	314918	128.79	ug/l #	48
71) Bromoform	12.370	173	633	0.23	ug/l #	1
74) N-amyl acetate	12.003	43	1809	0.34	ug/l #	44
76) 1,2,3-Trichloropropane	12.373	75	95608	26.58	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.707	105	3507	0.31	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	95608	67.01	ug/l #	15

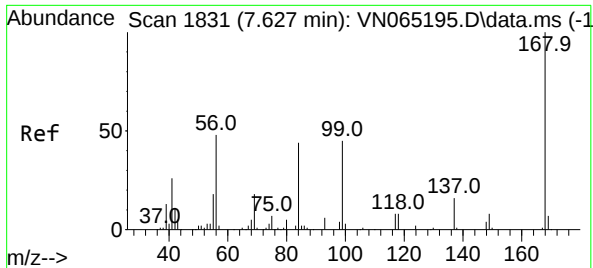
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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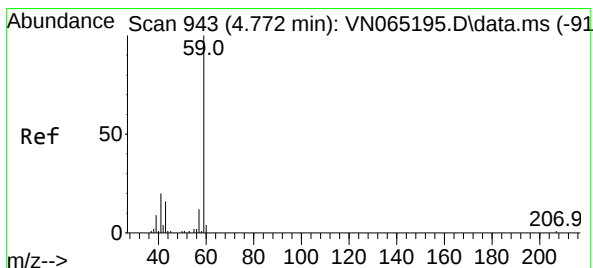
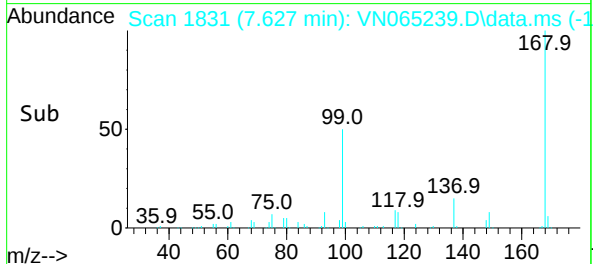
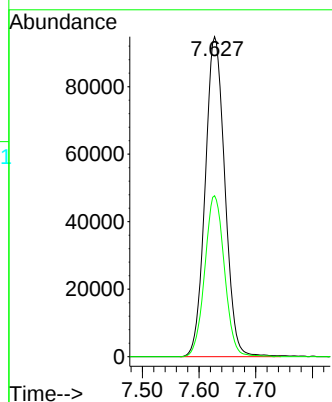
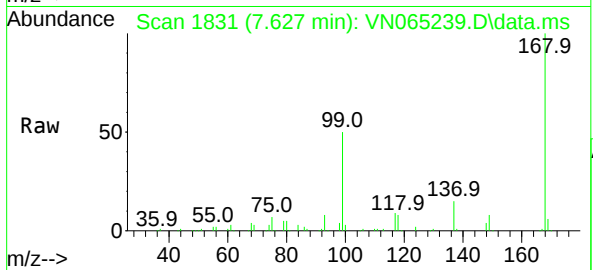




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

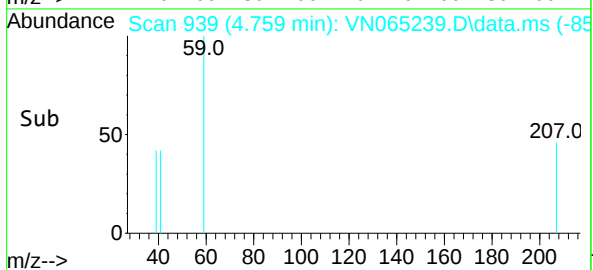
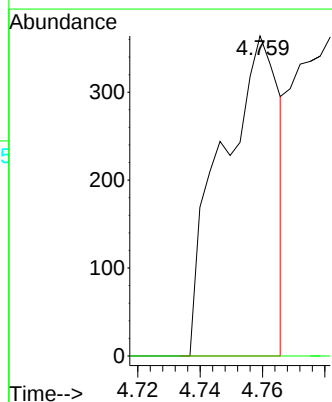
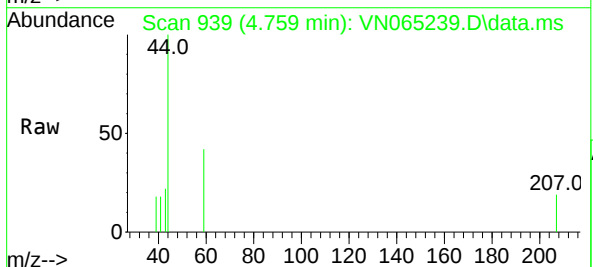
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07

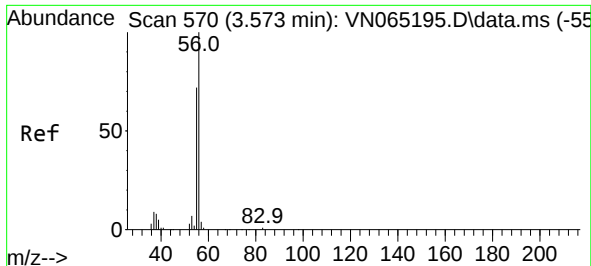
Tgt Ion:168 Resp: 228501
Ion Ratio Lower Upper
168 100
99 50.3 43.0 64.4



#11
Tert butyl alcohol
Concen: 1.10 ug/l
RT: 4.759 min Scan# 939
Delta R.T. -0.013 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Tgt Ion: 59 Resp: 464
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

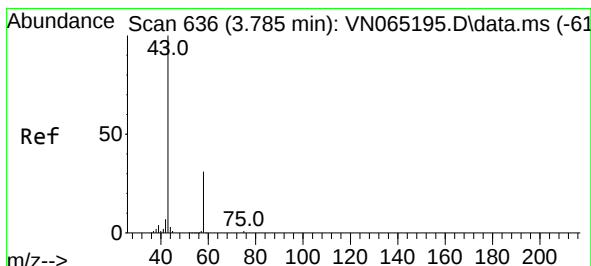
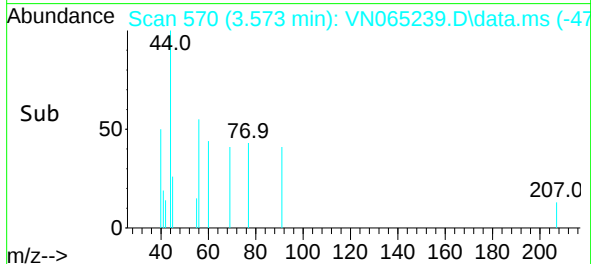
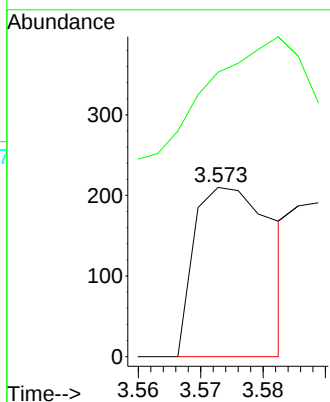
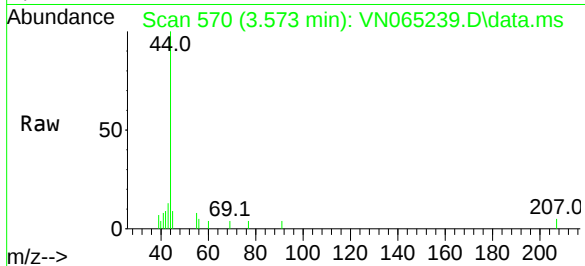




#13
Acrolein
Concen: 3.04 ug/l
RT: 3.573 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

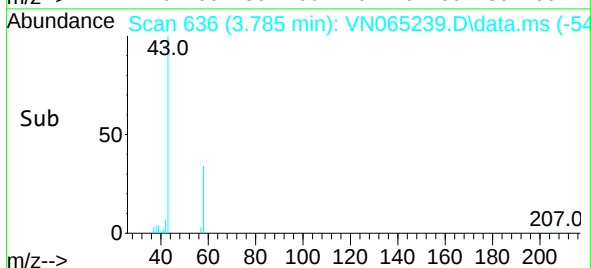
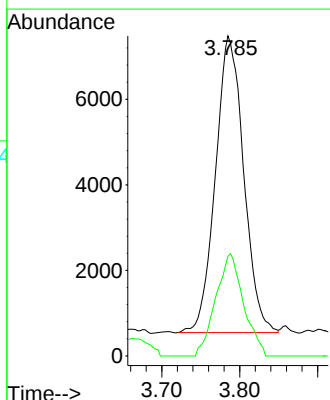
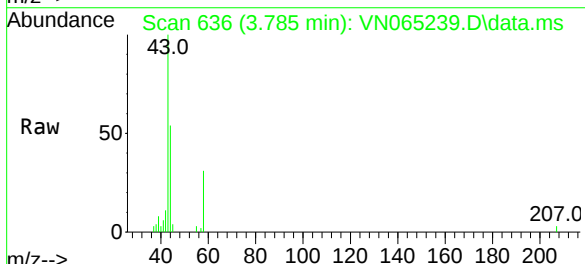
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07

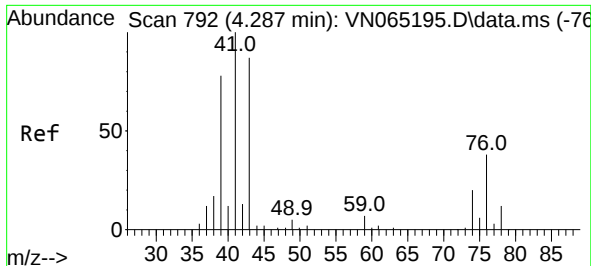
Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 112.6 56.5 84.7#



#16
Acetone
Concen: 5.61 ug/l
RT: 3.785 min Scan# 636
Delta R.T. -0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

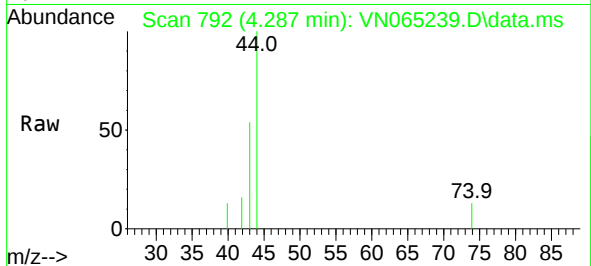
Tgt Ion: 43 Resp: 17456
Ion Ratio Lower Upper
43 100
58 33.6 25.7 38.5



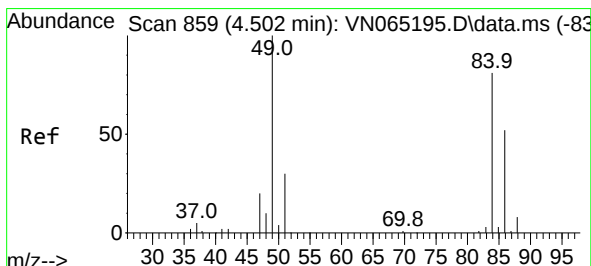
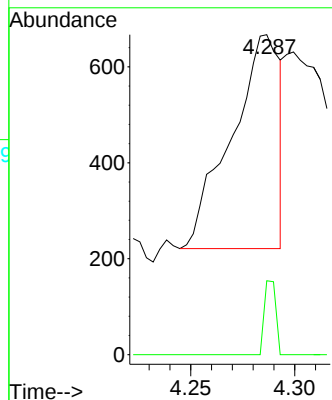
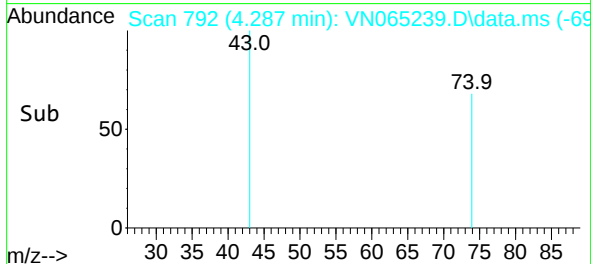


#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 4.287 min Scan# 792
Delta R.T. -0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

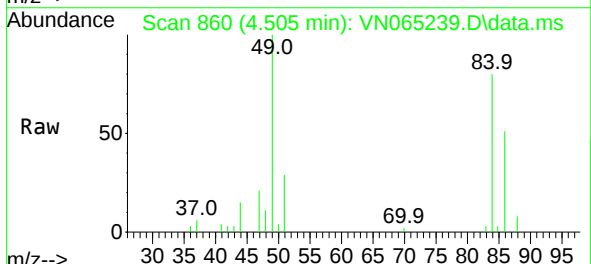
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07



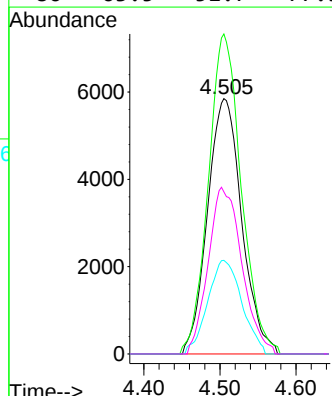
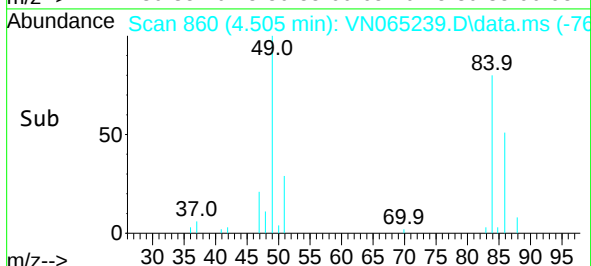
Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
74 8.2 20.2 30.2#

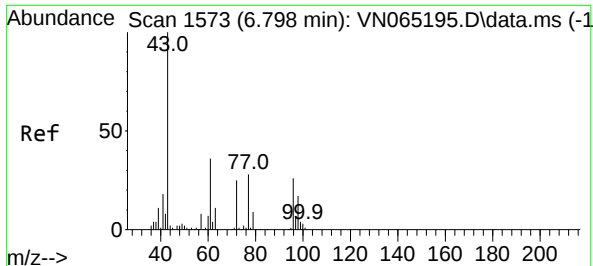


#20
Methylene Chloride
Concen: 7.27 ug/l
RT: 4.505 min Scan# 860
Delta R.T. 0.003 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53



Tgt Ion: 84 Resp: 18290
Ion Ratio Lower Upper
84 100
49 125.3 93.4 140.0
51 36.6 28.2 42.4
86 63.5 51.7 77.5

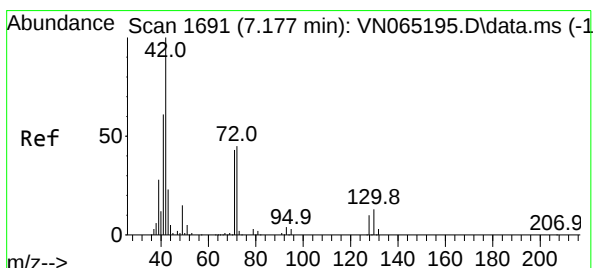
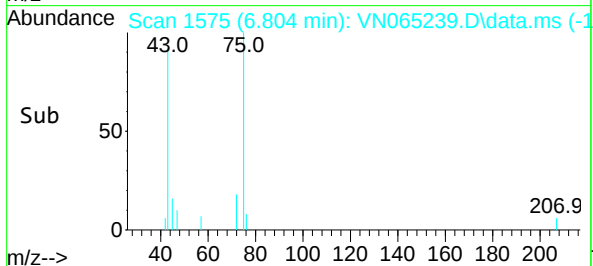
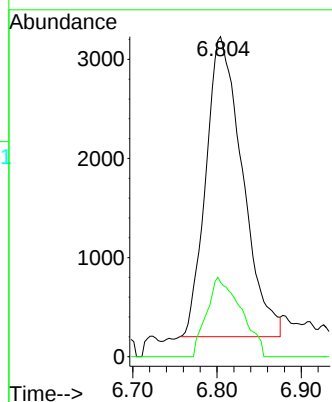
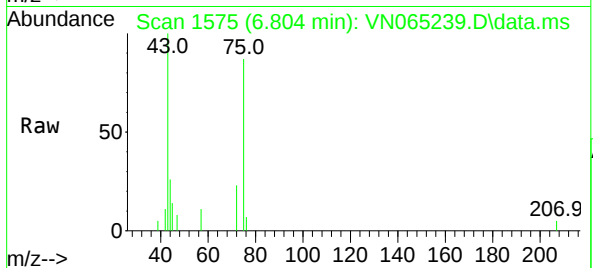




#25
2-Butanone
Concen: 6.29 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

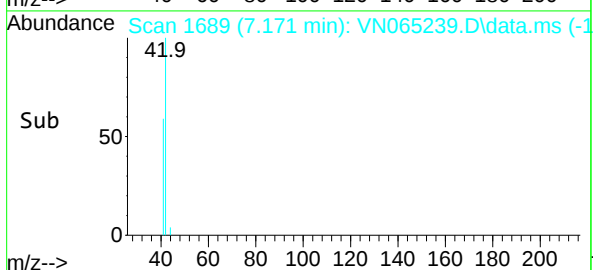
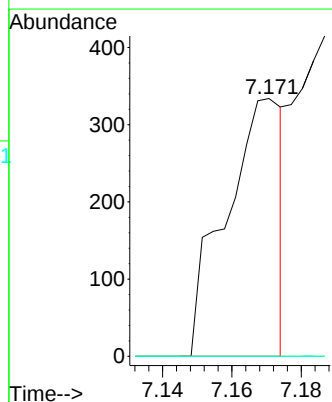
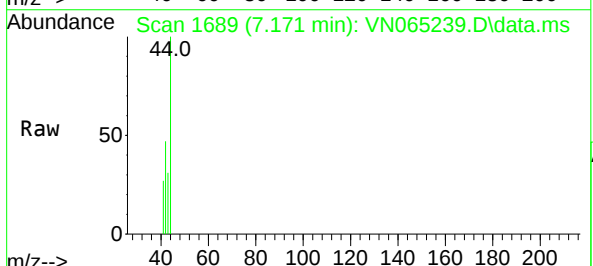
Instrument :
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ClientSampleId :
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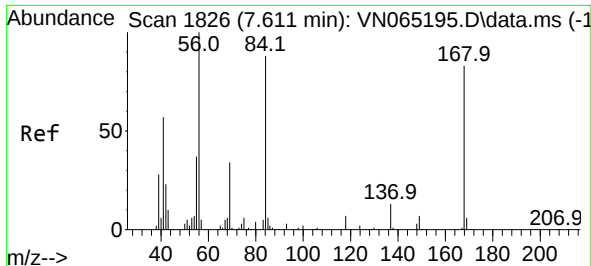
Tgt Ion: 43 Resp: 9113
Ion Ratio Lower Upper
43 100
72 24.9 21.0 31.6



#29
Tetrahydrofuran
Concen: 0.40 ug/l
RT: 7.171 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

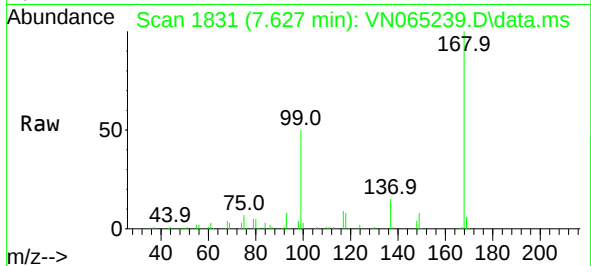
Tgt Ion: 42 Resp: 376
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 0.0 33.6 50.4#



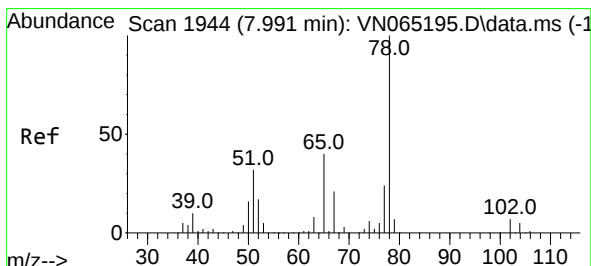
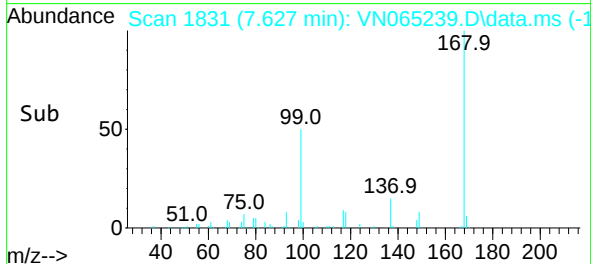
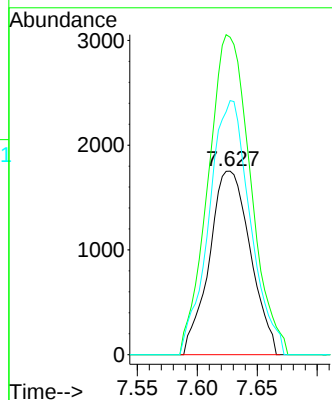


#31
Cyclohexane
Concen: 1.09 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Instrument :
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ClientSampleId :
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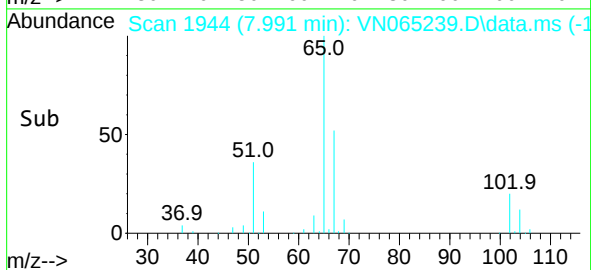
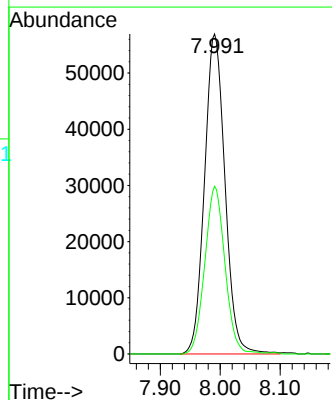
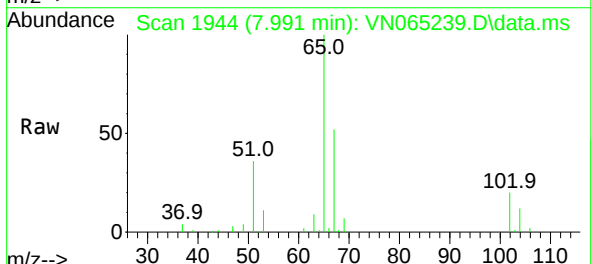


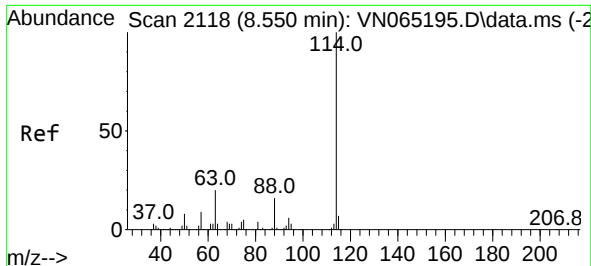
Tgt Ion: 56 Resp: 4159
Ion Ratio Lower Upper
56 100
69 172.9 27.5 41.3#
84 138.4 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 52.52 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

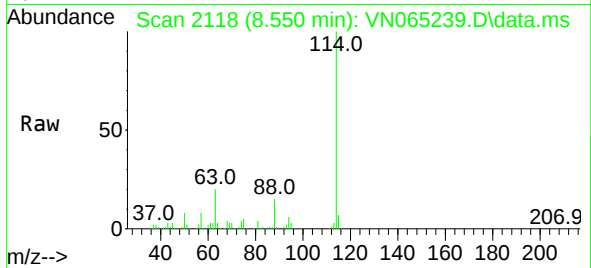
Tgt Ion: 65 Resp: 135475
Ion Ratio Lower Upper
65 100
67 51.5 0.0 108.2



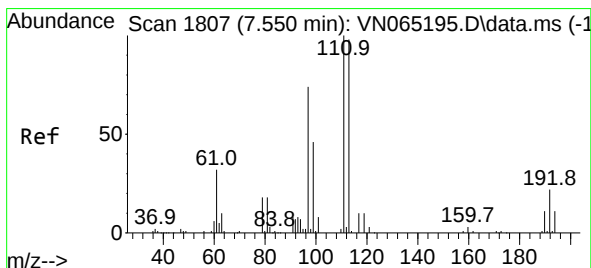
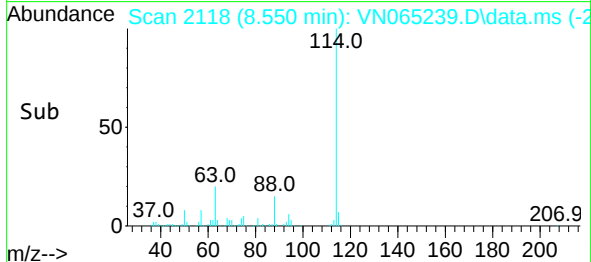
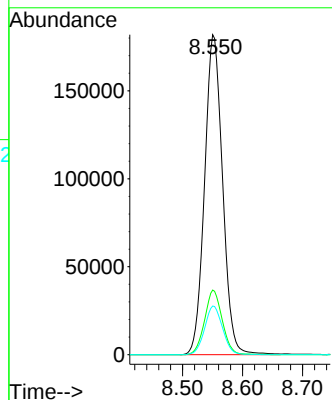


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Instrument :
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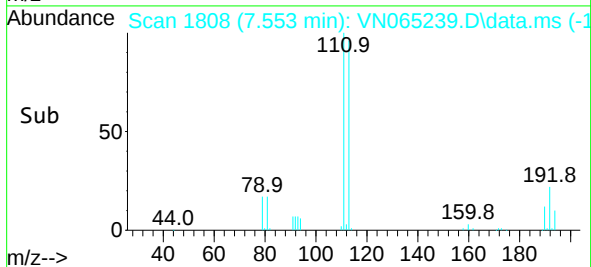
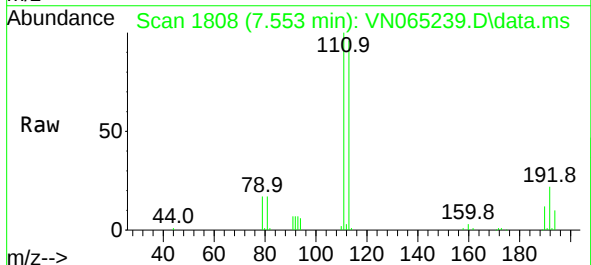
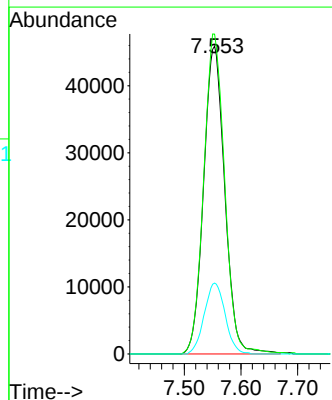


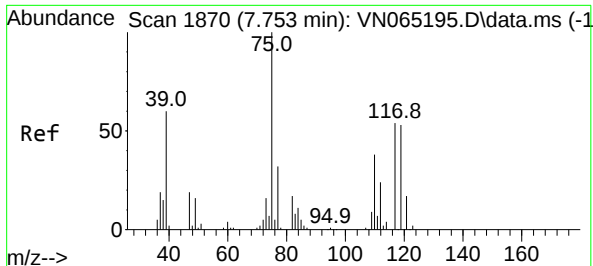
Tgt Ion:114 Resp: 380844
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.6
88 15.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.76 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Tgt Ion:113 Resp: 118930
Ion Ratio Lower Upper
113 100
111 103.2 81.6 122.4
192 22.8 16.2 24.2

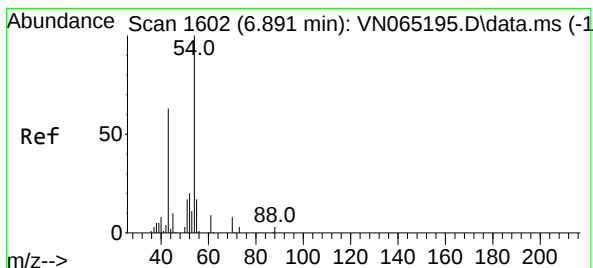
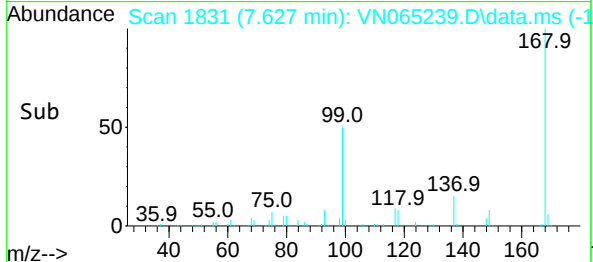
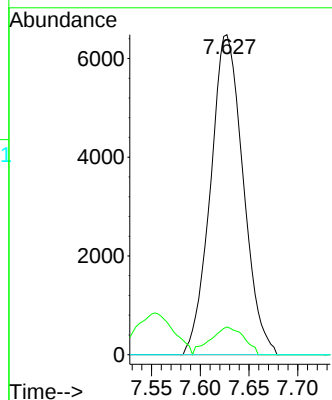
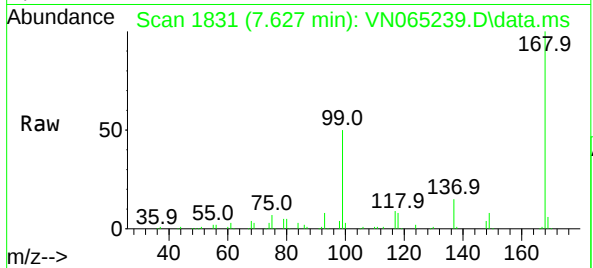




#36
1,1-Dichloropropene
Concen: 4.36 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

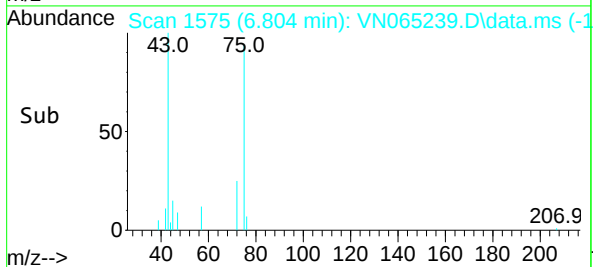
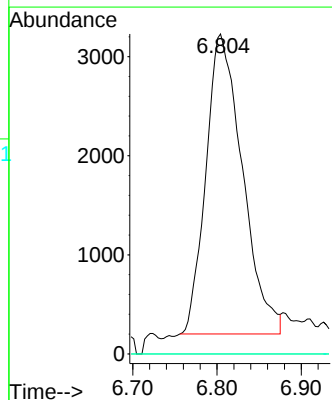
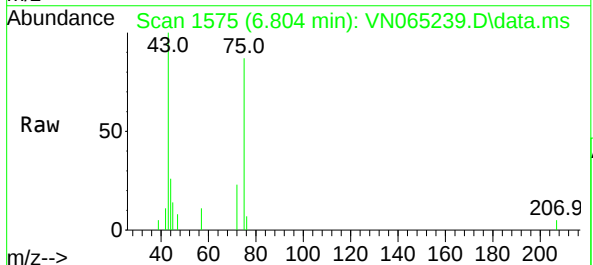
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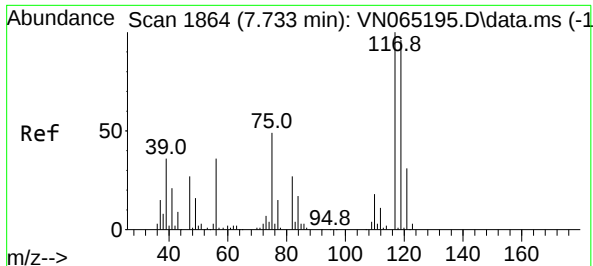
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Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.66 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. -0.087 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

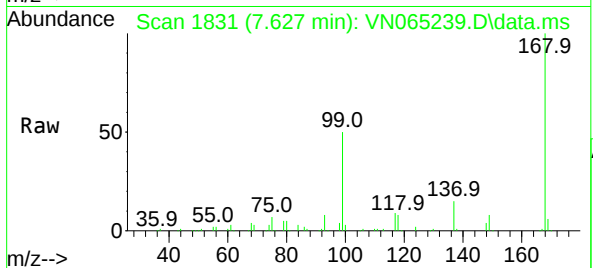
Tgt Ion: 43 Resp: 9113
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



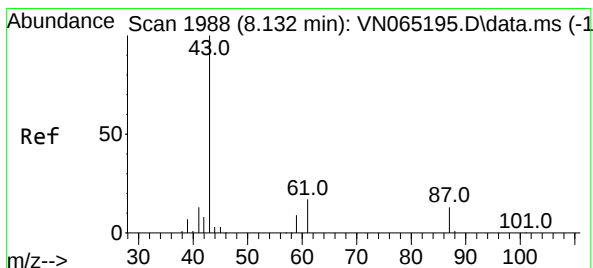
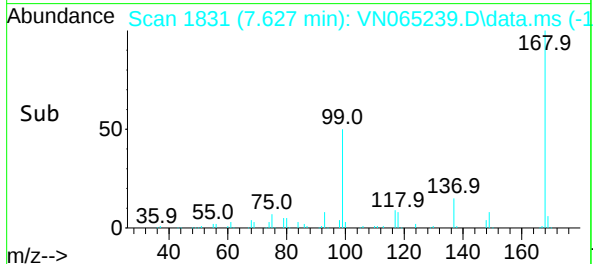
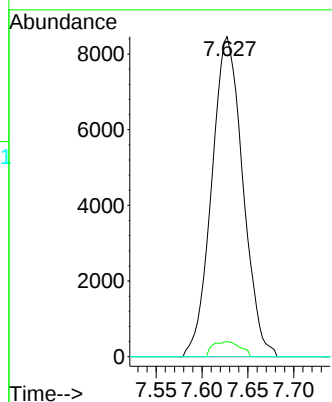


#38
Carbon Tetrachloride
Concen: 5.50 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07

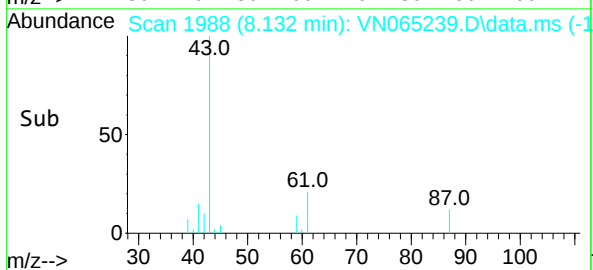
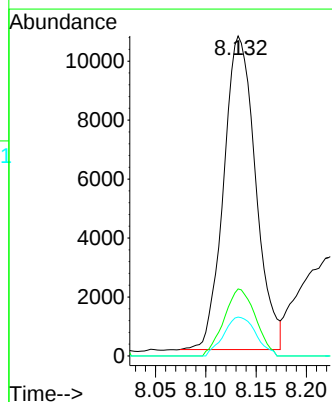
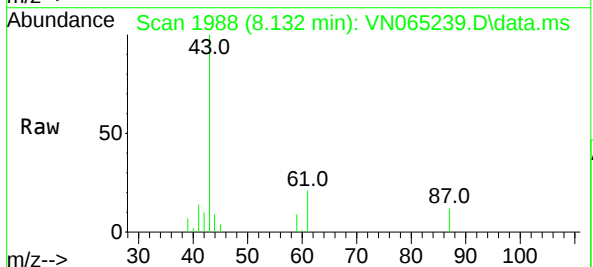


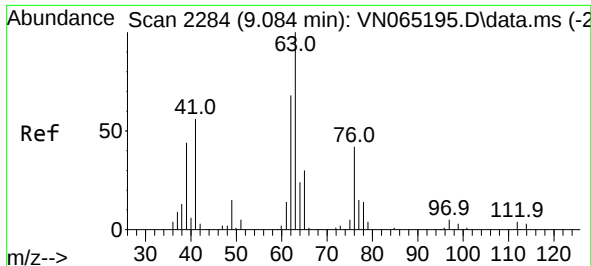
Tgt Ion:117 Resp: 20000
Ion Ratio Lower Upper
117 100
119 4.7 76.7 115.1#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 3.99 ug/l
RT: 8.132 min Scan# 1988
Delta R.T. 0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Tgt Ion: 43 Resp: 23587
Ion Ratio Lower Upper
43 100
61 20.9 17.2 25.8
87 12.4 11.4 17.0

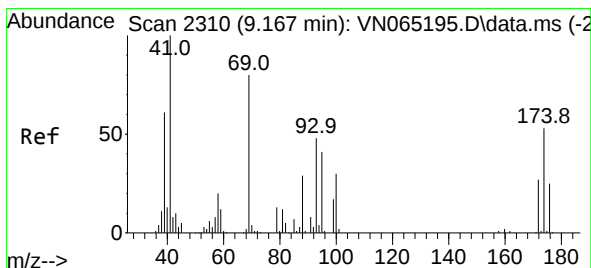
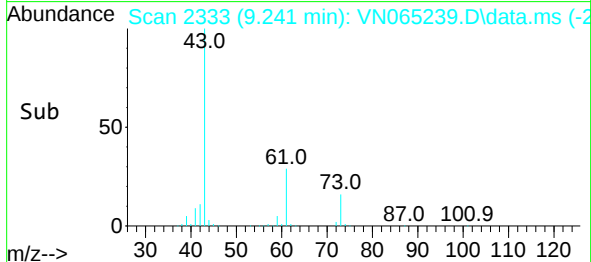
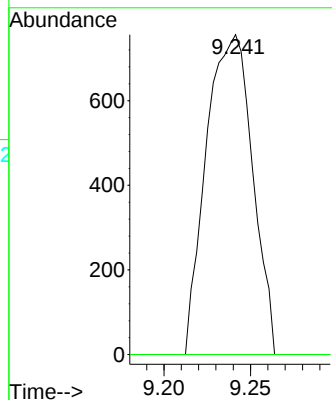
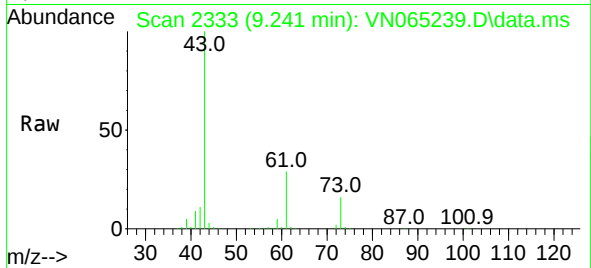




#45
1,2-Dichloropropane
Concen: 0.52 ug/l
RT: 9.241 min Scan# 2333
Delta R.T. 0.157 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

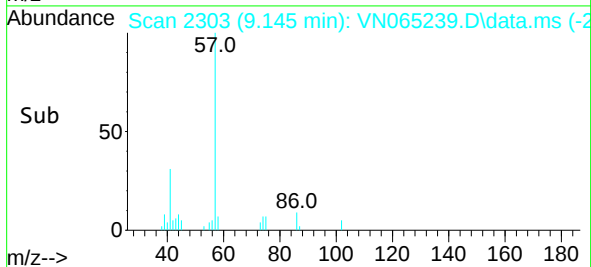
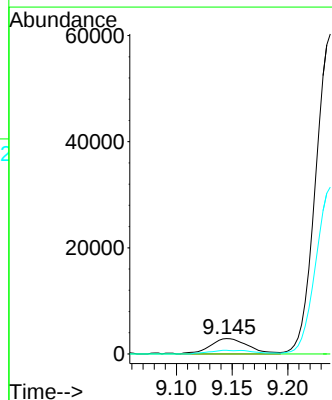
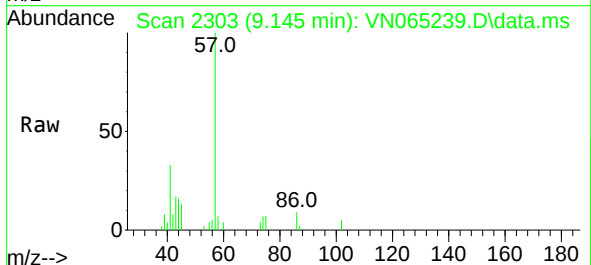
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07

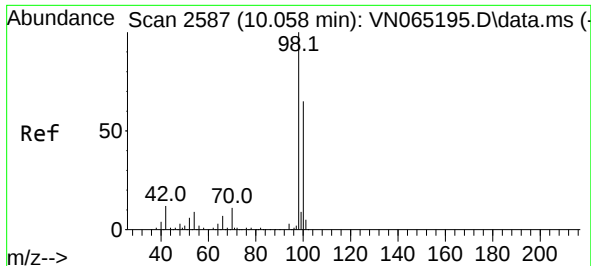
Tgt Ion: 63 Resp: 1404
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 2.40 ug/l
RT: 9.145 min Scan# 2303
Delta R.T. -0.022 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Tgt Ion: 41 Resp: 6896
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

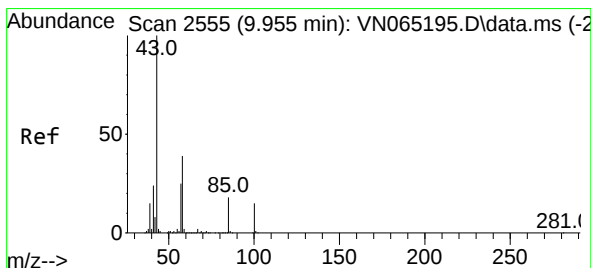
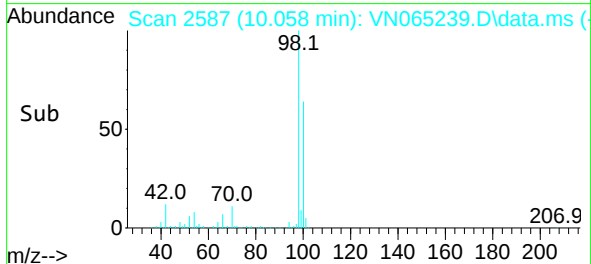
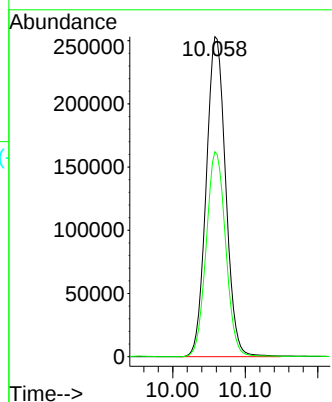
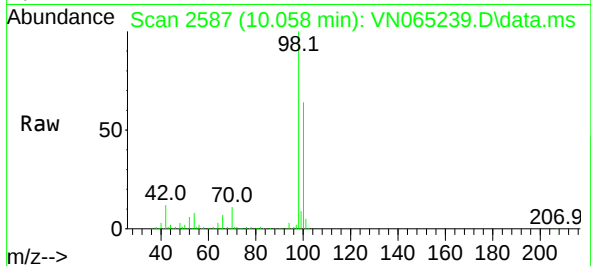




#50
Toluene-d8
Concen: 54.70 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

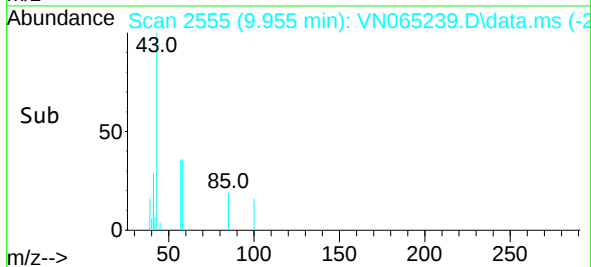
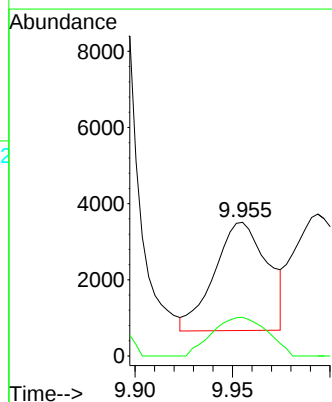
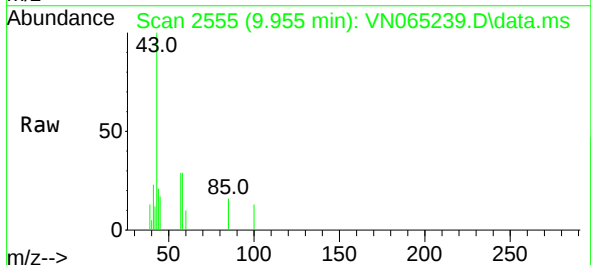
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07

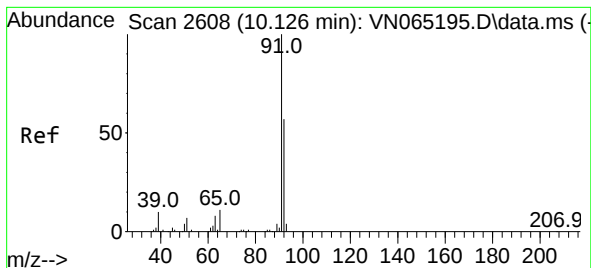
Tgt Ion: 98 Resp: 471055
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.62 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Tgt Ion: 43 Resp: 5395
Ion Ratio Lower Upper
43 100
58 37.0 32.4 48.6





#52

Toluene

Concen: 0.32 ug/l

RT: 10.122 min Scan# 2607

Delta R.T. -0.004 min

Lab File: VN065239.D

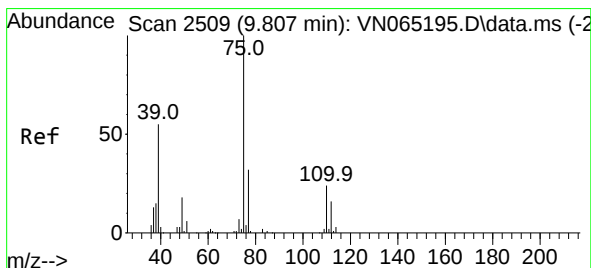
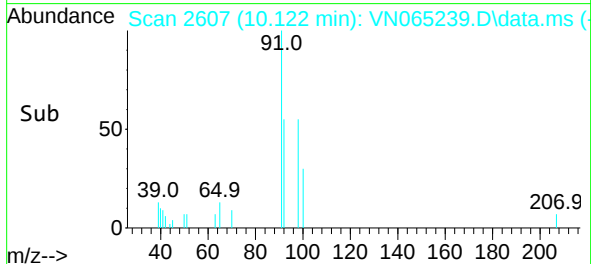
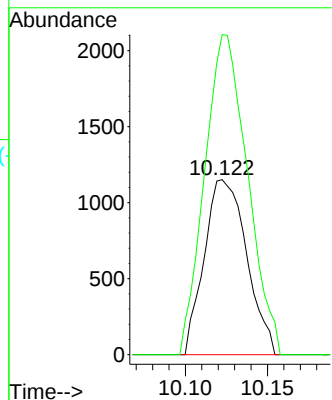
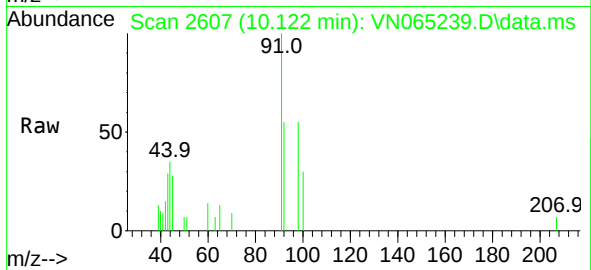
Acq: 23 Dec 2020 16:53

Tgt Ion: 92 Resp: 2064

Ion Ratio Lower Upper

92 100

91 185.1 139.1 208.7



#54

cis-1,3-Dichloropropene

Concen: 8.96 ug/l

RT: 9.875 min Scan# 2530

Delta R.T. 0.068 min

Lab File: VN065239.D

Acq: 23 Dec 2020 16:53

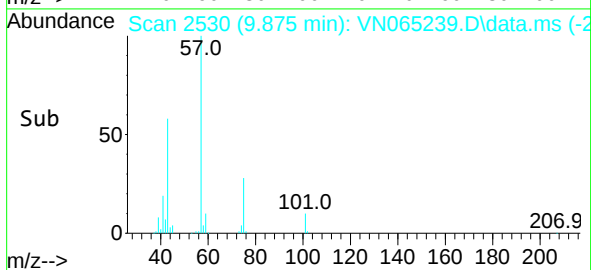
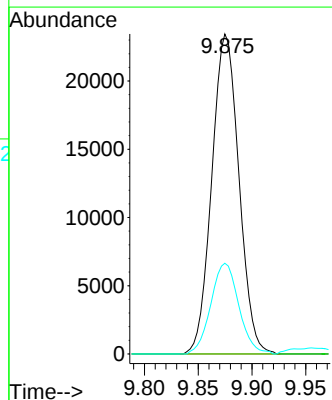
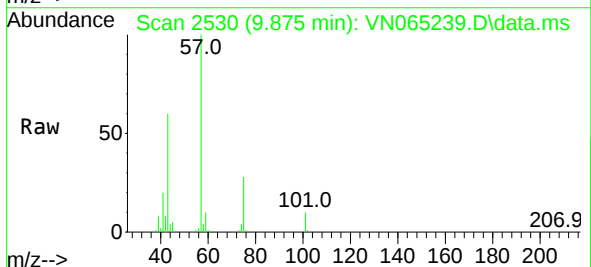
Tgt Ion: 75 Resp: 41141

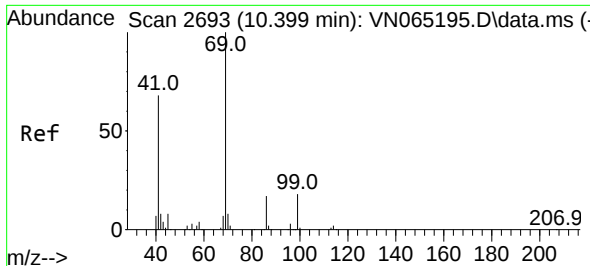
Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 28.3 35.6 53.4#

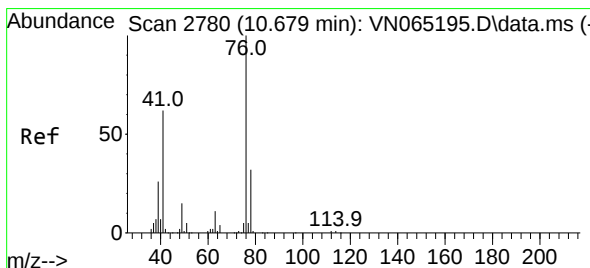
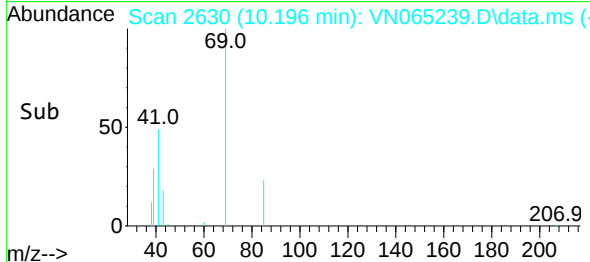
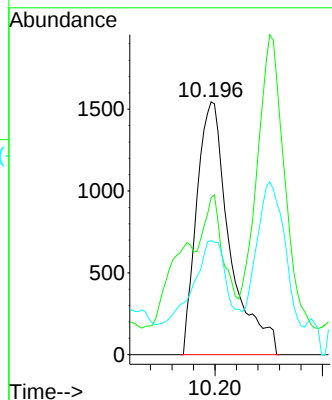
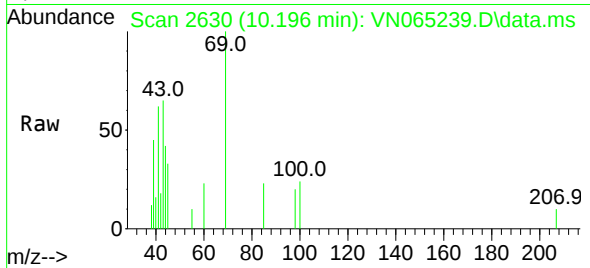




#56
Ethyl methacrylate
Concen: 0.83 ug/l
RT: 10.196 min Scan# 2630
Delta R.T. -0.203 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

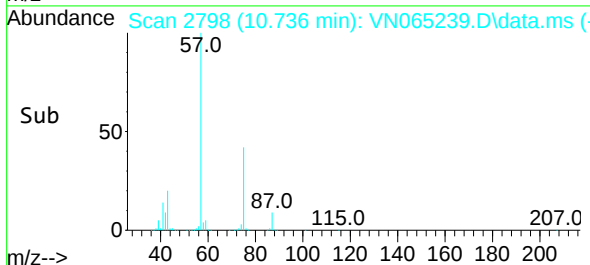
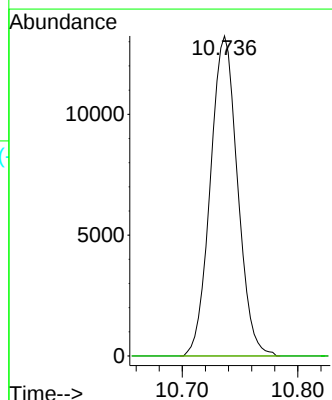
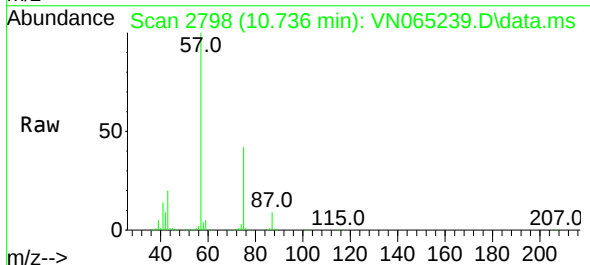
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07

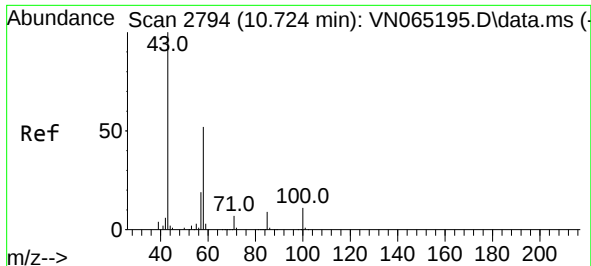
Tgt Ion: 69 Resp: 3296
Ion Ratio Lower Upper
69 100
41 34.5 49.4 74.0#
39 32.9 25.9 38.9



#57
1,3-Dichloropropane
Concen: 5.11 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Tgt Ion: 76 Resp: 21656
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

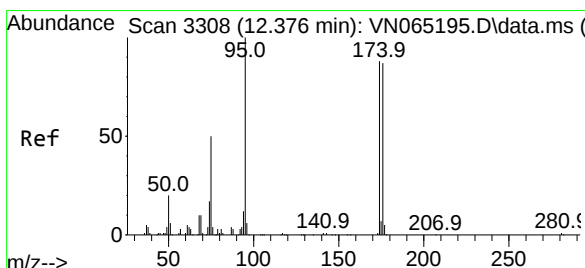
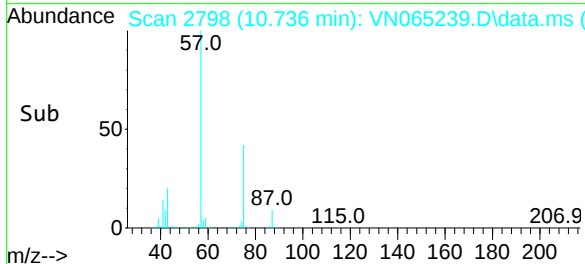
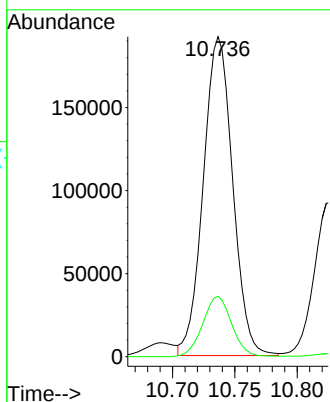
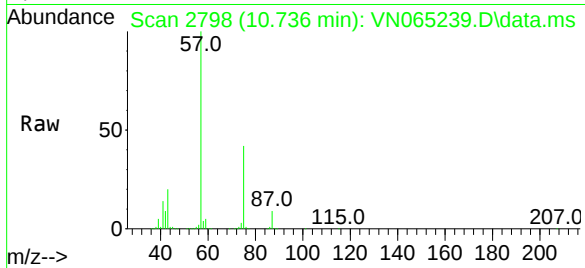




#59
2-Hexanone
Concen: 128.79 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

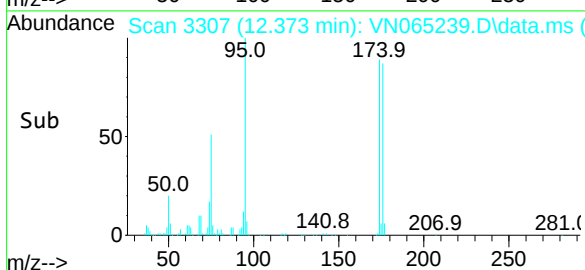
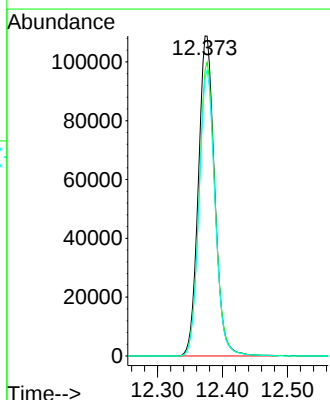
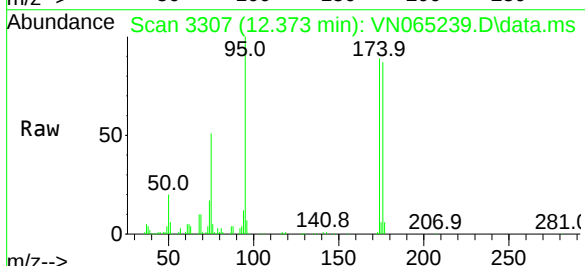
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07

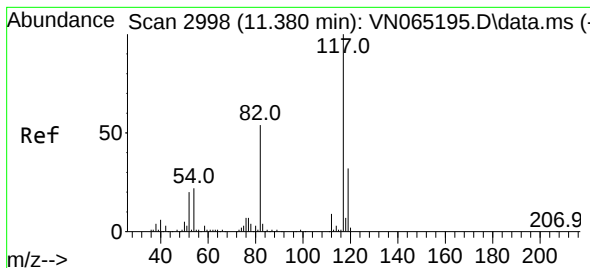
Tgt Ion: 43 Resp: 314918
Ion Ratio Lower Upper
43 100
58 18.8 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 55.31 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.003 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Tgt Ion: 95 Resp: 190426
Ion Ratio Lower Upper
95 100
174 90.7 0.0 160.4
176 87.6 0.0 158.4

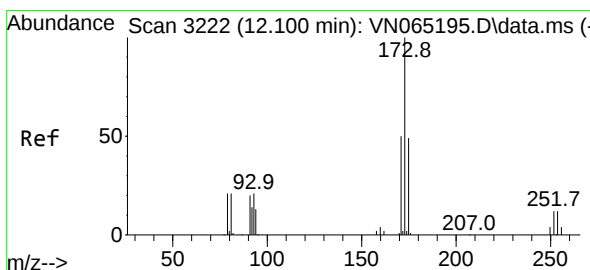
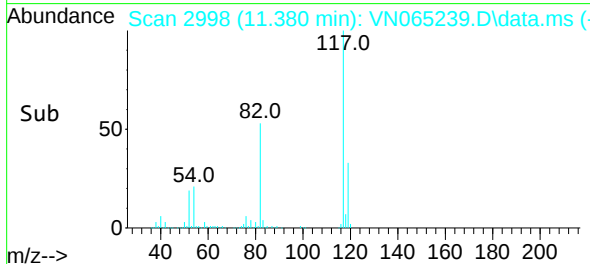
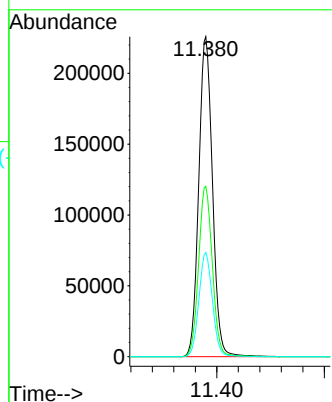
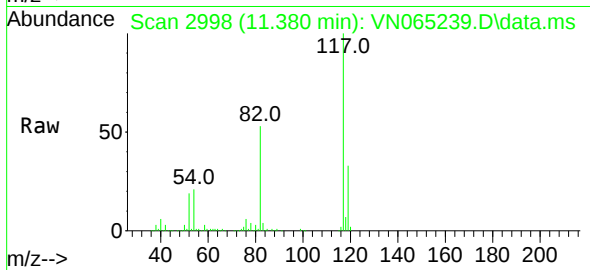




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

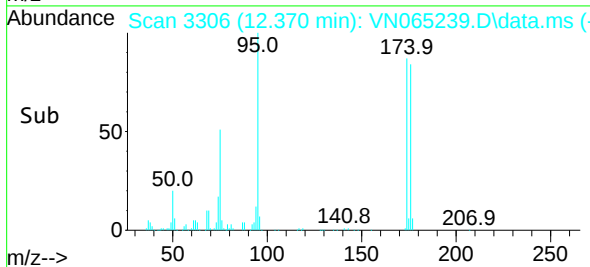
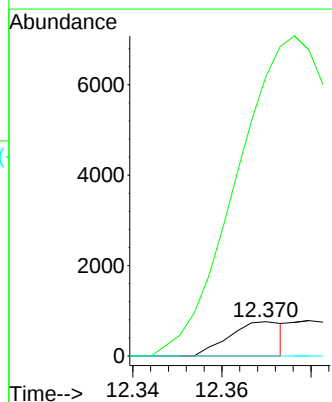
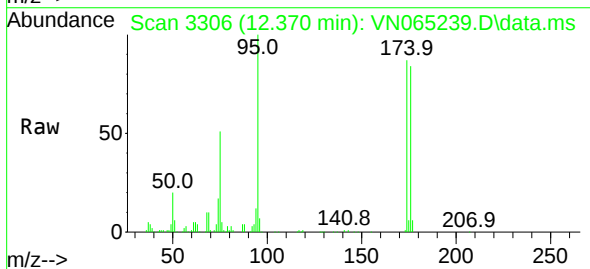
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07

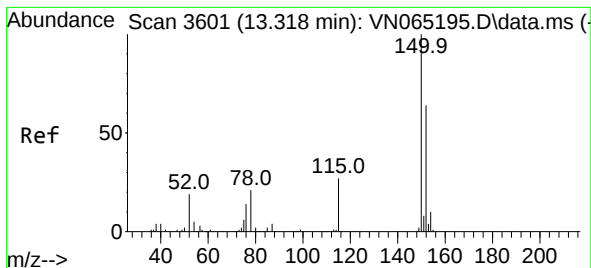
Tgt Ion:117 Resp: 399331
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 32.6 25.8 38.6



#71
Bromoform
Concen: 0.23 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. 0.270 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Tgt Ion:173 Resp: 633
Ion Ratio Lower Upper
173 100
175 1622.9 24.3 72.8#
254 0.0 0.0 0.0

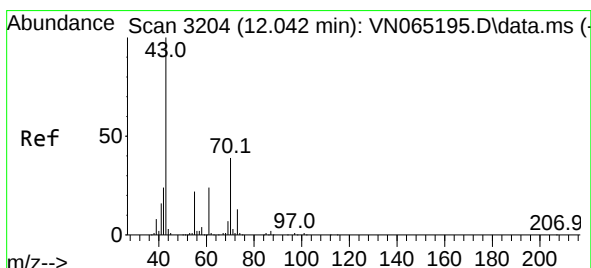
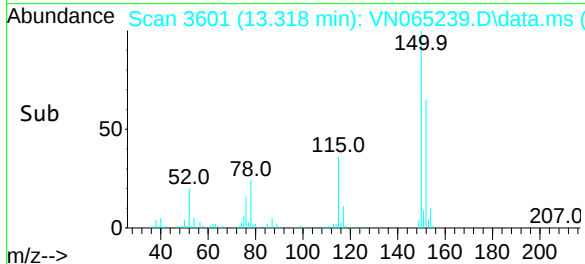
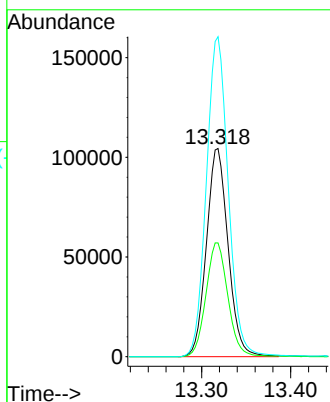
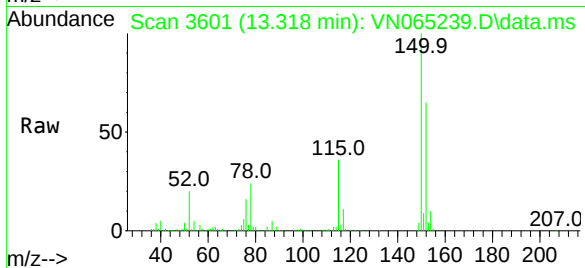




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

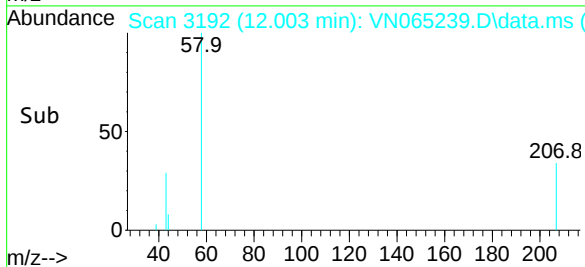
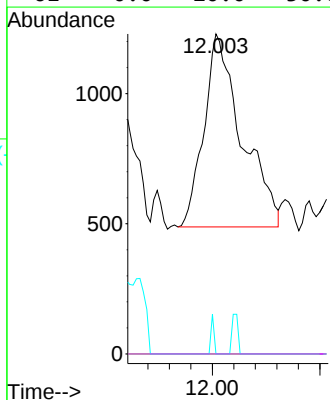
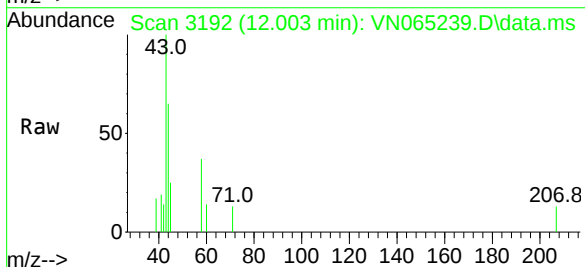
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07

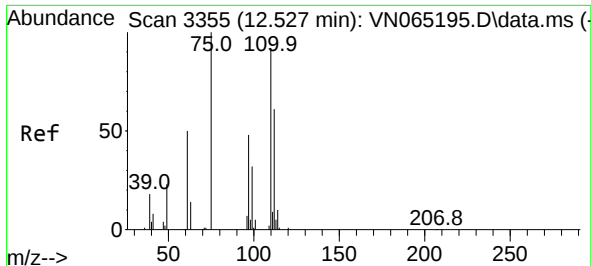
Tgt Ion:152 Resp: 176339
Ion Ratio Lower Upper
152 100
115 55.1 29.7 89.1
150 156.0 0.0 350.6



#74
N-ethyl acetate
Concen: 0.34 ug/l
RT: 12.003 min Scan# 3192
Delta R.T. -0.039 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

Tgt Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 3.3 20.4 30.6#
61 0.0 20.0 30.0#

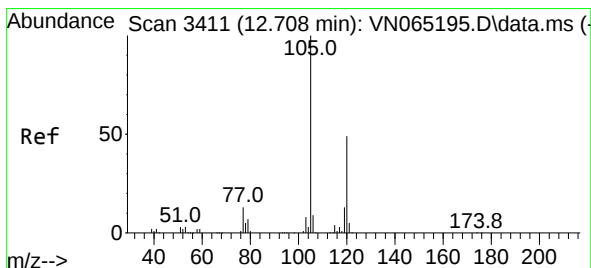
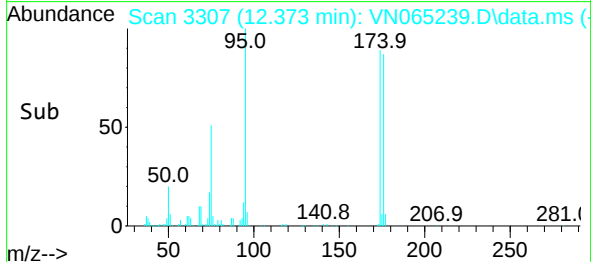
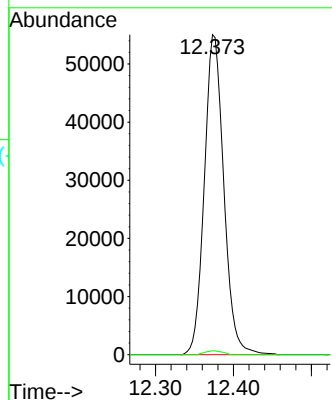
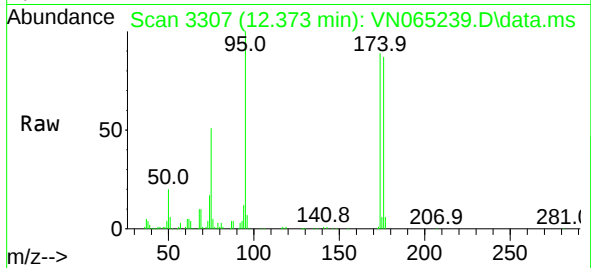




#76
1,2,3-Trichloropropane
Concen: 26.58 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.154 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

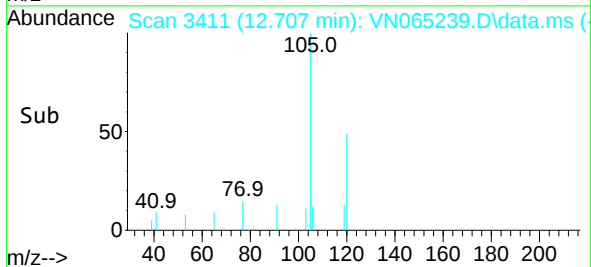
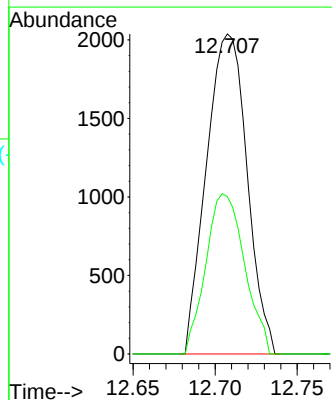
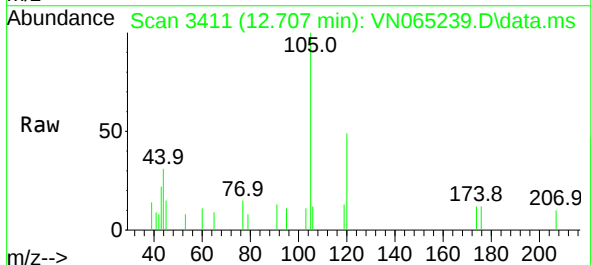
Instrument :
MSVOA_N
ClientSampleId :
PB133762ZHE#07

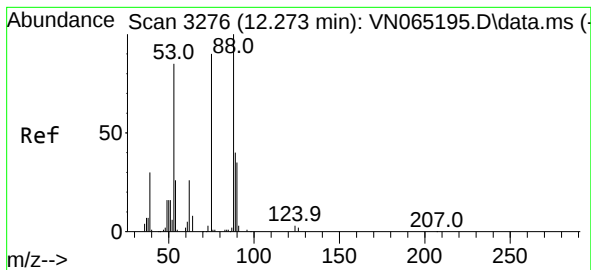
Tgt Ion: 75 Resp: 95608
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.31 ug/l
RT: 12.707 min Scan# 3411
Delta R.T. -0.001 min
Lab File: VN065239.D
Acq: 23 Dec 2020 16:53

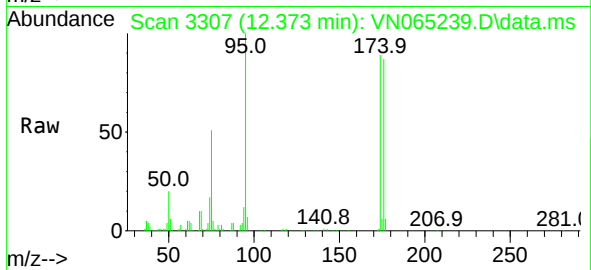
Tgt Ion: 105 Resp: 3507
Ion Ratio Lower Upper
105 100
120 47.8 24.6 73.6





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.01 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.100 min
 Lab File: VN065239.D
 Acq: 23 Dec 2020 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133762ZHE#07



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.0	100.4#
89	0.0	39.6	59.4#

