

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122320\
 Data File : VN065227.D
 Acq On : 23 Dec 2020 11:56
 Operator : JC/MD
 Sample : PB133767TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133767TB

Quant Time: Dec 24 04:18:43 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	214077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	352436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	355789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	150653	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	124702	51.60	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.20%
35) Dibromofluoromethane	7.553	113	107907	50.75	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.50%
50) Toluene-d8	10.058	98	428432	53.76	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.52%
62) 4-Bromofluorobenzene	12.376	95	169302	53.34	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.68%

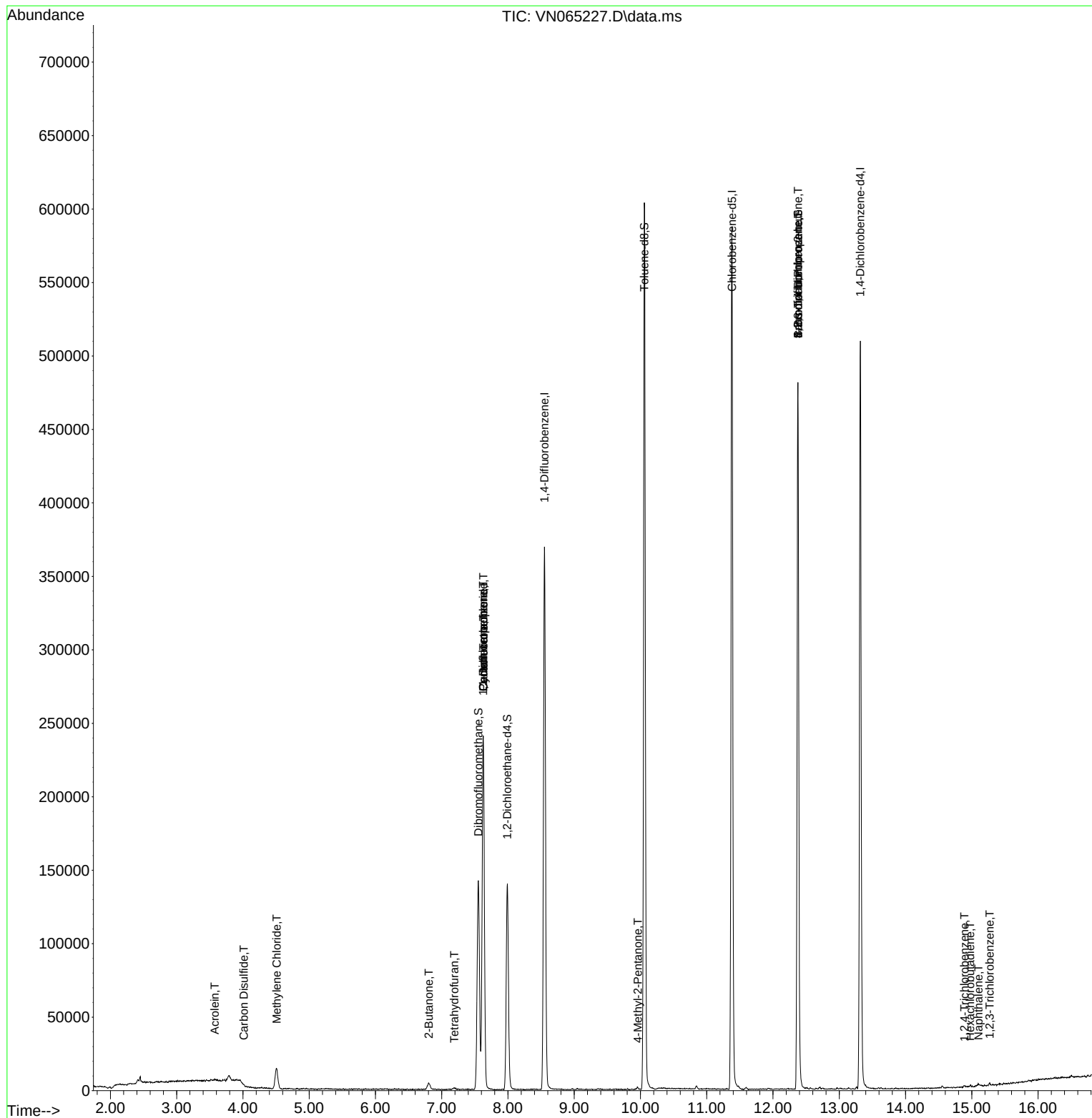
Target Compounds					Qvalue
13) Acrolein	3.573	56	303	3.53 ug/l	# 1
16) Acetone	3.779	43	3041	Below Cal	100
17) Carbon Disulfide	4.013	76	1239	0.23 ug/l	# 75
20) Methylene Chloride	4.508	84	10595	4.49 ug/l	# 96
25) 2-Butanone	6.804	43	1145	0.84 ug/l	# 49
29) Tetrahydrofuran	7.190	42	1065	1.21 ug/l	# 44
31) Cyclohexane	7.627	56	3860	1.08 ug/l	# 1
36) 1,1-Dichloropropene	7.624	75	14338	4.47 ug/l	# 48
38) Carbon Tetrachloride	7.627	117	18254	5.42 ug/l	# 16
51) 4-Methyl-2-Pentanone	9.958	43	1179	0.38 ug/l	# 66
71) Bromoform	12.376	173	967	0.40 ug/l	# 1
76) 1,2,3-Trichloropropane	12.376	75	86538	28.16 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.376	75	86538	71.00 ug/l	# 15
93) 1,2,4-Trichlorobenzene	14.891	180	531	3.00 ug/l	# 69
94) Hexachlorobutadiene	14.977	225	427	0.22 ug/l	# 92
95) Naphthalene	15.103	128	2237	3.64 ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.270	180	784	3.49 ug/l	# 93

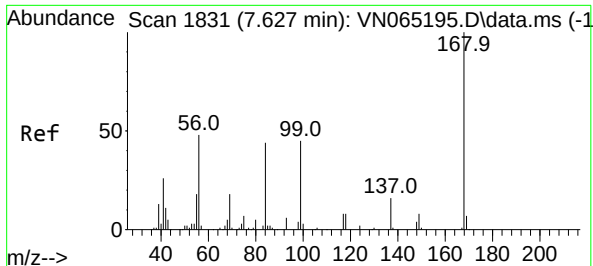
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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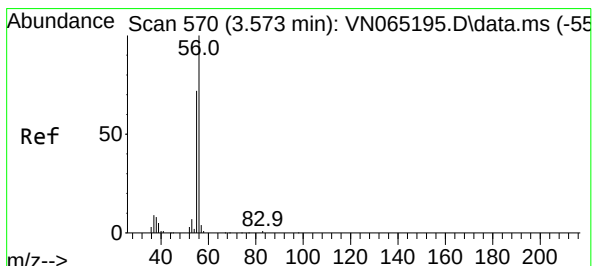
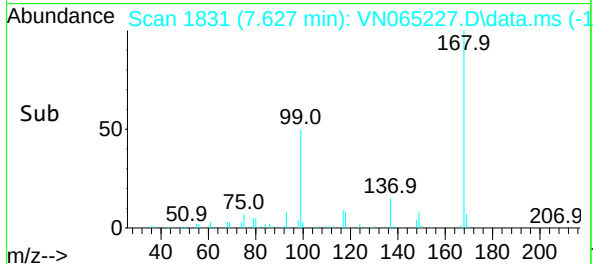
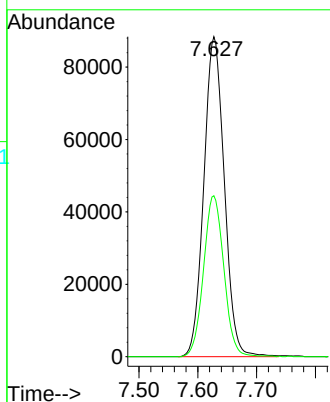
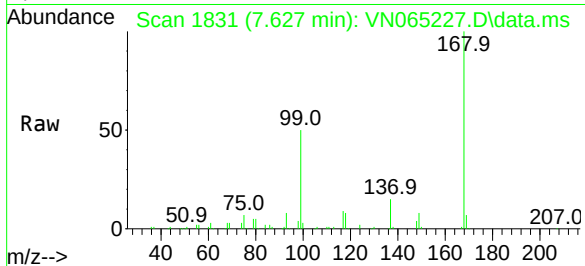




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

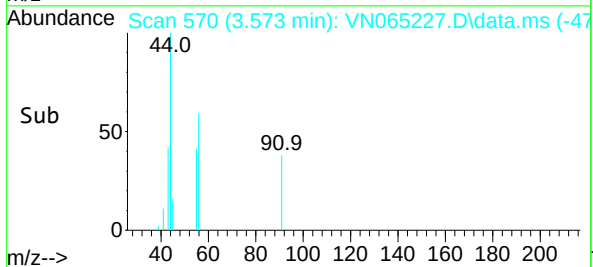
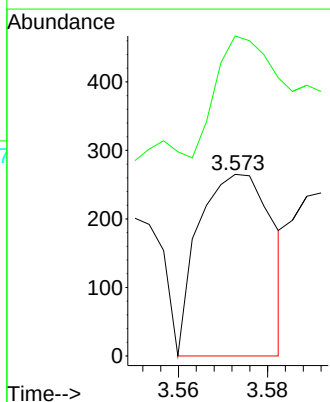
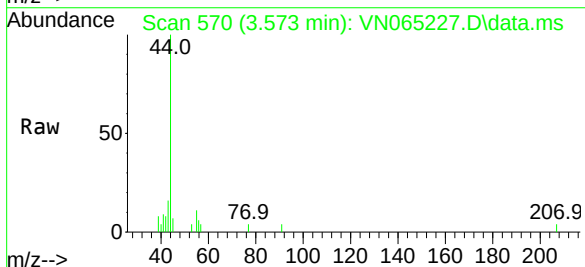
Instrument :
MSVOA_N
ClientSampleId :
PB133767TB

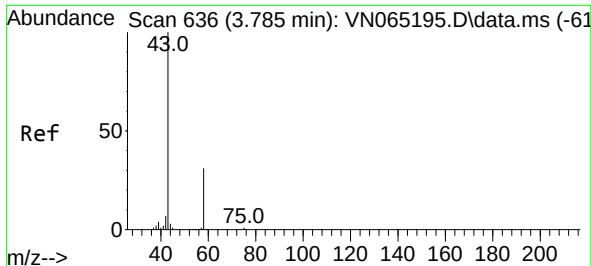
Tgt Ion:168 Resp: 214077
Ion Ratio Lower Upper
168 100
99 50.3 43.0 64.4



#13
Acrolein
Concen: 3.53 ug/l
RT: 3.573 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
55 179.5 56.5 84.7#

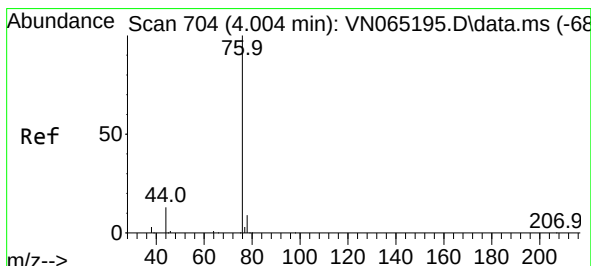
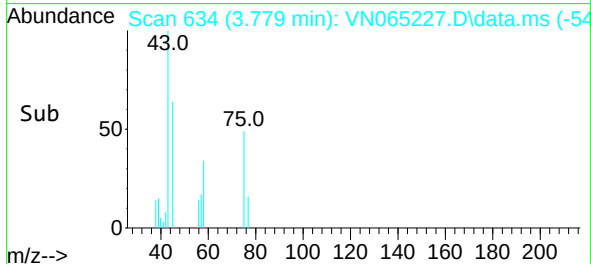
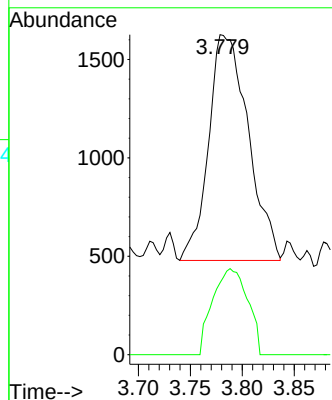
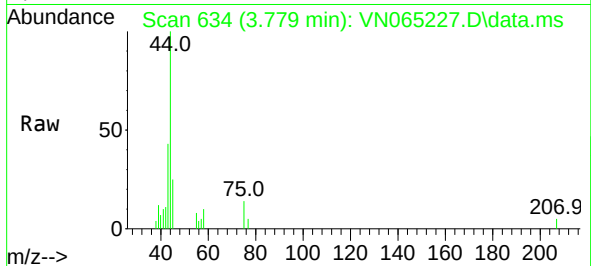




#16
Acetone
Concen: Below Cal
RT: 3.779 min Scan# 634
Delta R.T. -0.006 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

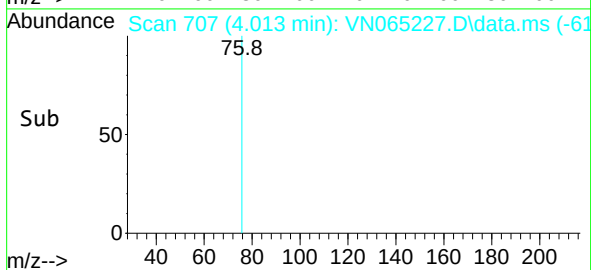
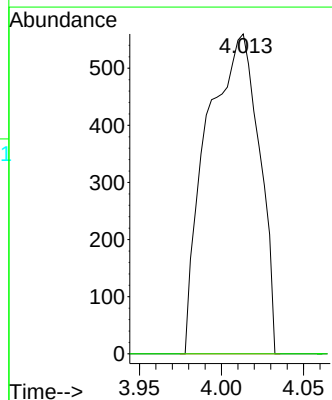
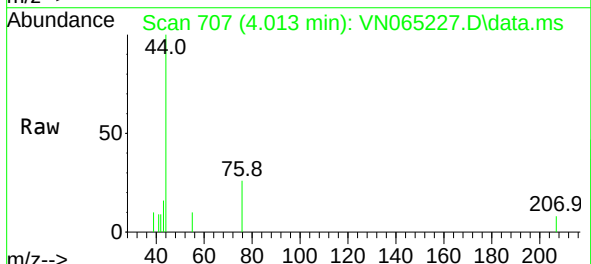
Instrument :
MSVOA_N
ClientSampled :
PB133767TB

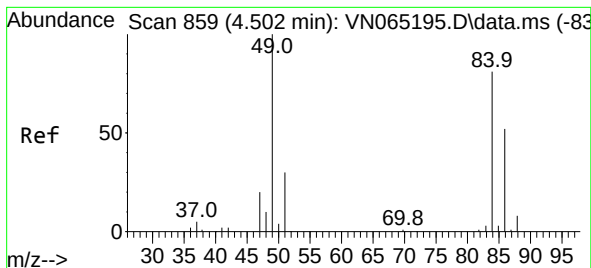
Tgt Ion: 43 Resp: 3041
Ion Ratio Lower Upper
43 100
58 31.8 25.7 38.5



#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 4.013 min Scan# 707
Delta R.T. 0.009 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

Tgt Ion: 76 Resp: 1239
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#20

Methylene Chloride

Concen: 4.49 ug/l

RT: 4.508 min Scan# 861

Delta R.T. 0.006 min

Lab File: VN065227.D

Acq: 23 Dec 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

PB133767TB

Tgt Ion: 84 Resp: 10595

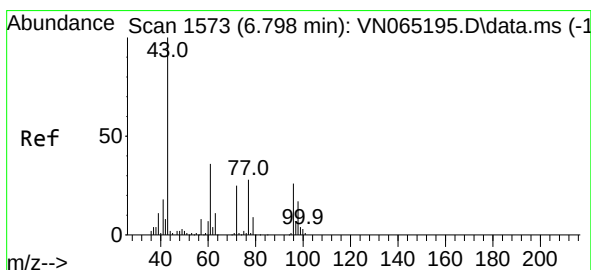
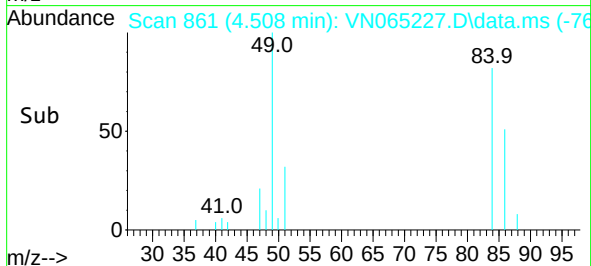
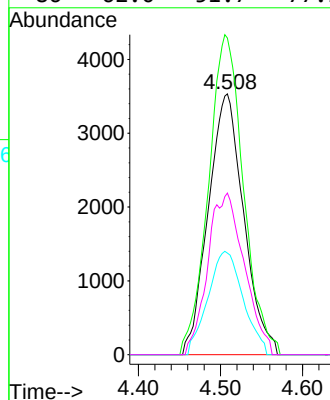
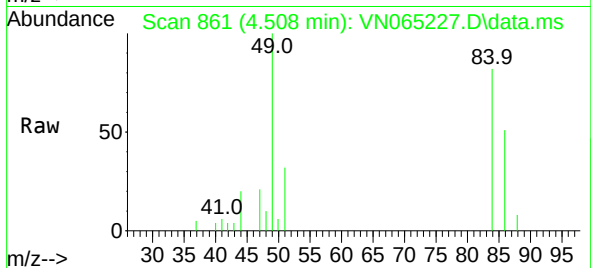
Ion Ratio Lower Upper

84 100

49 121.4 93.4 140.0

51 39.0 28.2 42.4

86 62.0 51.7 77.5



#25

2-Butanone

Concen: 0.84 ug/l

RT: 6.804 min Scan# 1575

Delta R.T. 0.006 min

Lab File: VN065227.D

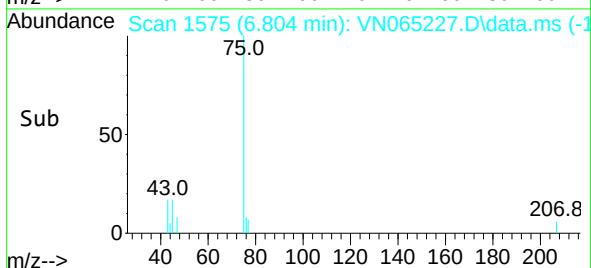
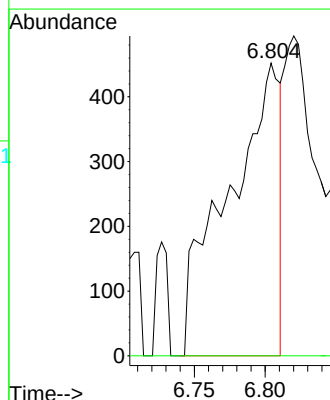
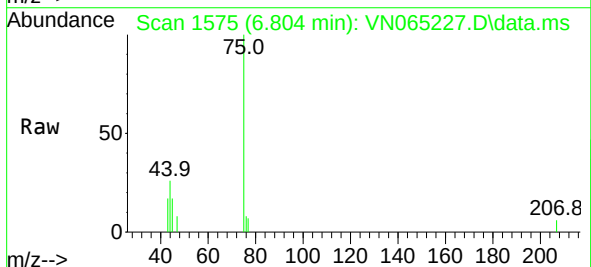
Acq: 23 Dec 2020 11:56

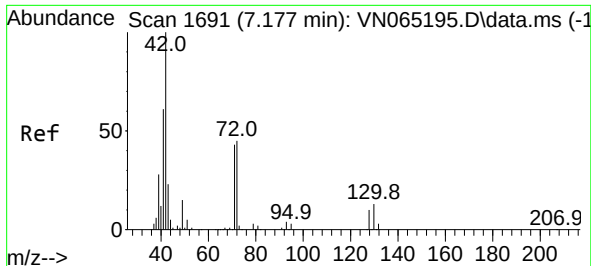
Tgt Ion: 43 Resp: 1145

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#





#29

Tetrahydrofuran

Concen: 1.21 ug/l

RT: 7.190 min Scan# 1695

Delta R.T. 0.013 min

Lab File: VN065227.D

Acq: 23 Dec 2020 11:56

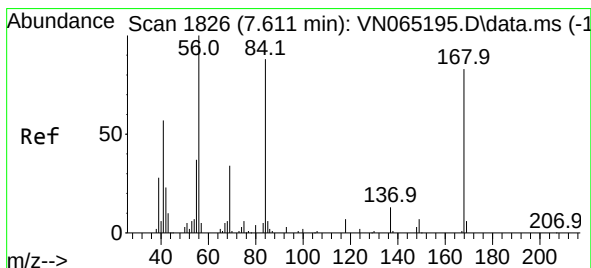
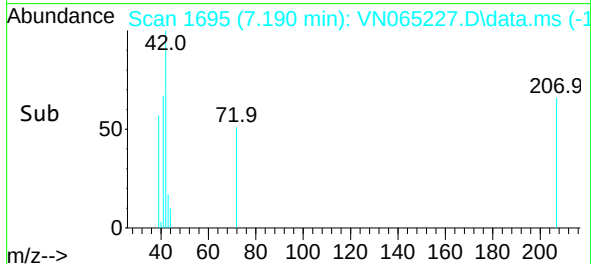
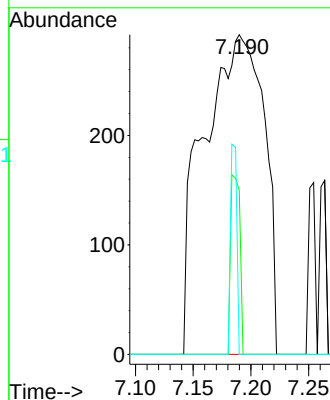
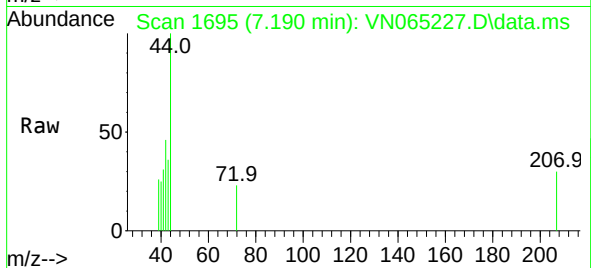
Instrument :

MSVOA_N

ClientSampleId :

PB133767TB

Tgt Ion:	42	Resp:	1065
Ion	Ratio	Lower	Upper
42	100		
72	8.6	36.6	54.8#
71	6.9	33.6	50.4#



#31

Cyclohexane

Concen: 1.08 ug/l

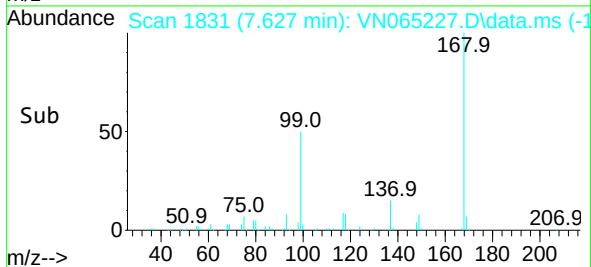
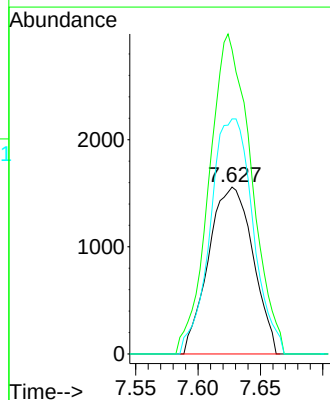
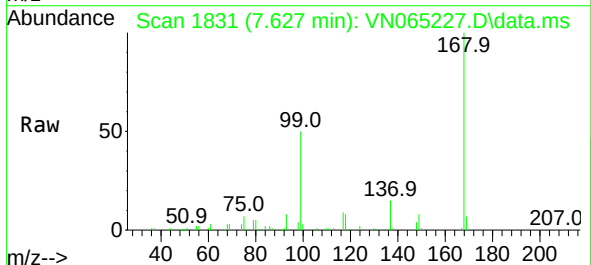
RT: 7.627 min Scan# 1831

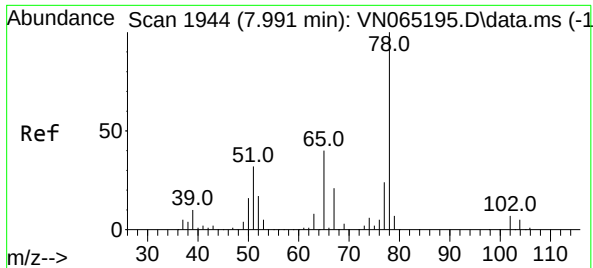
Delta R.T. 0.016 min

Lab File: VN065227.D

Acq: 23 Dec 2020 11:56

Tgt Ion:	56	Resp:	3860
Ion	Ratio	Lower	Upper
56	100		
69	172.3	27.5	41.3#
84	140.8	73.9	110.9#

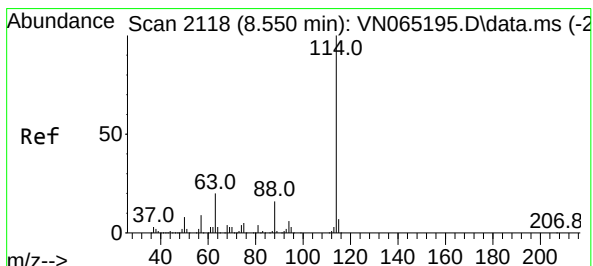
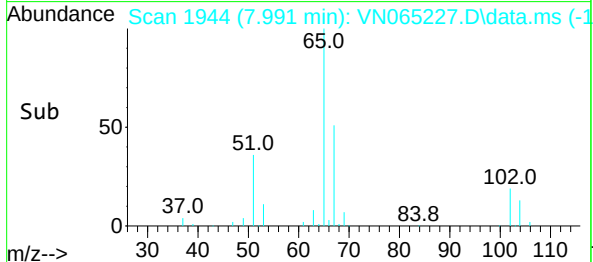
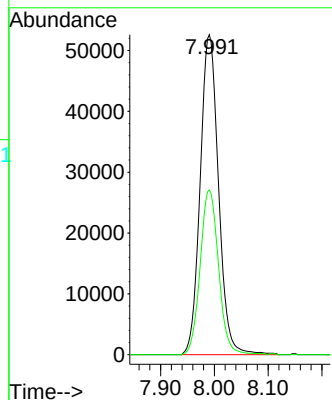
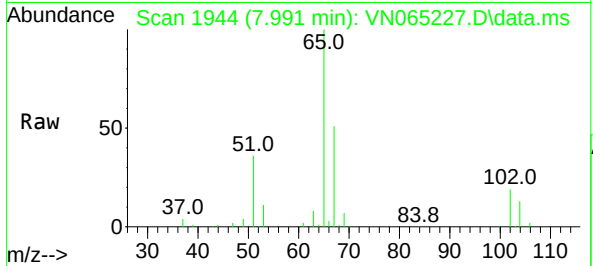




#33
1,2-Dichloroethane-d4
Concen: 51.60 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

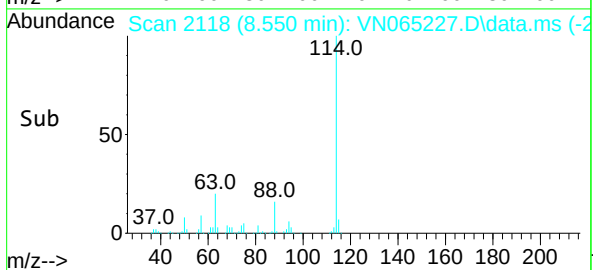
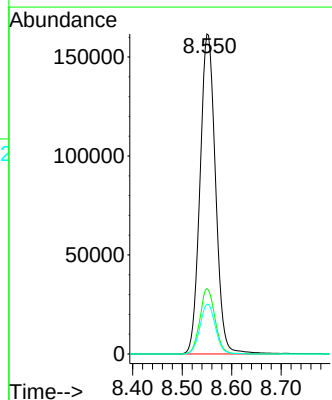
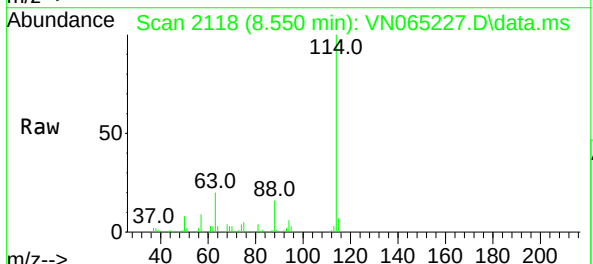
Instrument :
MSVOA_N
ClientSampleId :
PB133767TB

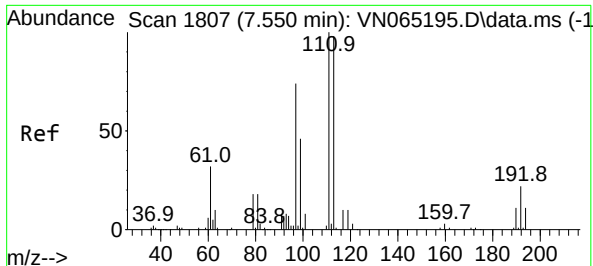
Tgt Ion: 65 Resp: 124702
Ion Ratio Lower Upper
65 100
67 51.6 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

Tgt Ion: 114 Resp: 352436
Ion Ratio Lower Upper
114 100
63 20.4 0.0 38.6
88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.75 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065227.D

Acq: 23 Dec 2020 11:56

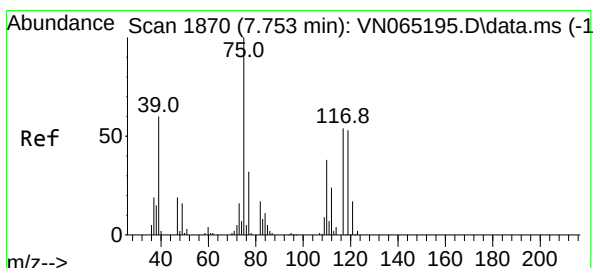
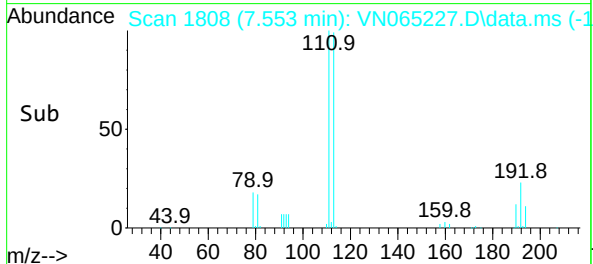
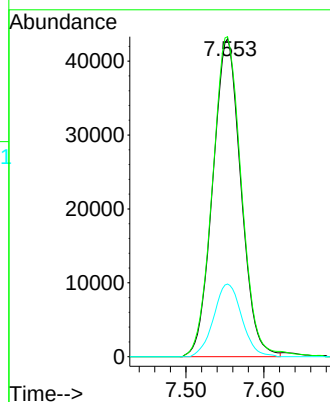
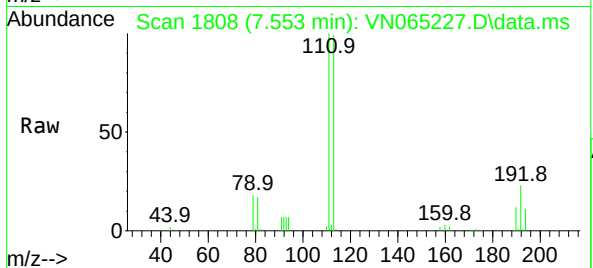
Tgt Ion:113 Resp: 107907

Ion Ratio Lower Upper

113 100

111 103.7 81.6 122.4

192 22.9 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.47 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. -0.129 min

Lab File: VN065227.D

Acq: 23 Dec 2020 11:56

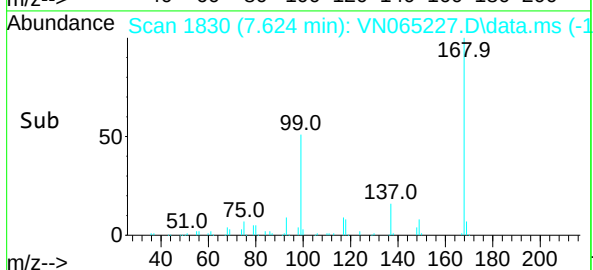
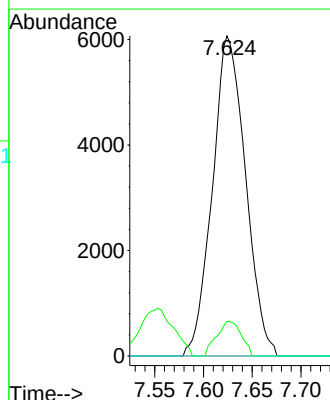
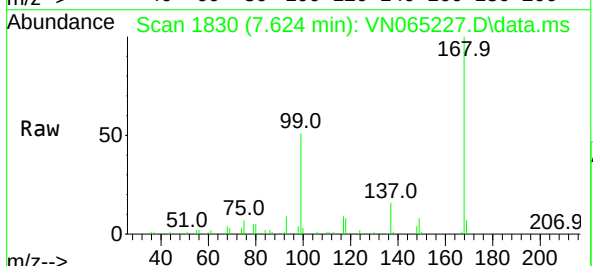
Tgt Ion: 75 Resp: 14338

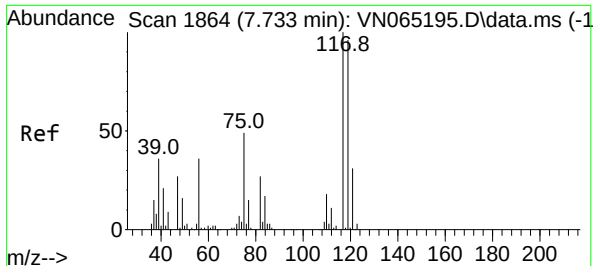
Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.3#

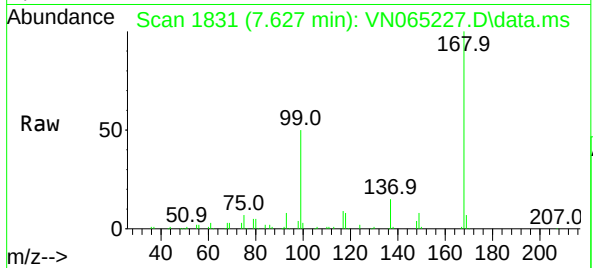
77 0.0 25.0 37.4#



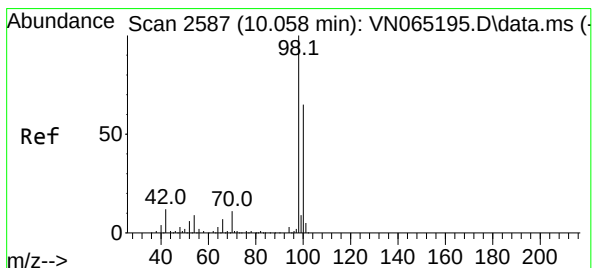
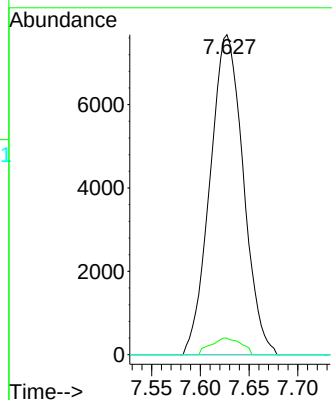
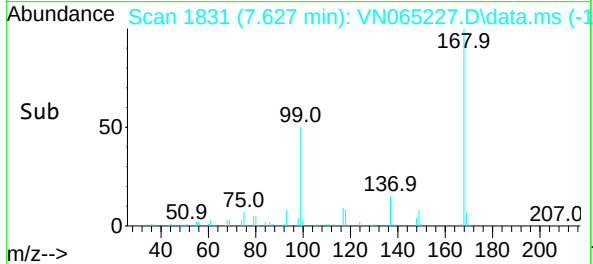


#38
Carbon Tetrachloride
Concen: 5.42 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

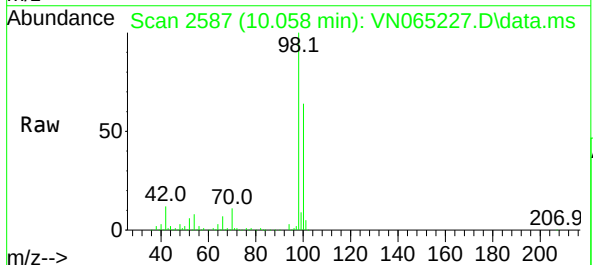
Instrument :
MSVOA_N
ClientSampleId :
PB133767TB



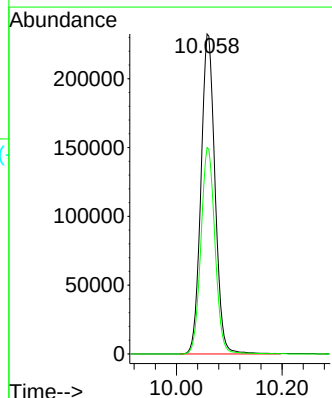
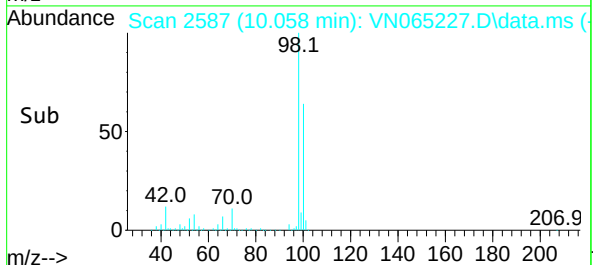
Tgt Ion:117 Resp: 18254
Ion Ratio Lower Upper
117 100
119 5.2 76.7 115.1#
121 0.0 25.4 38.2#

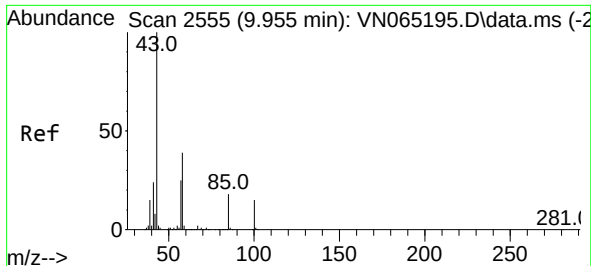


#50
Toluene-d8
Concen: 53.76 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56



Tgt Ion: 98 Resp: 428432
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

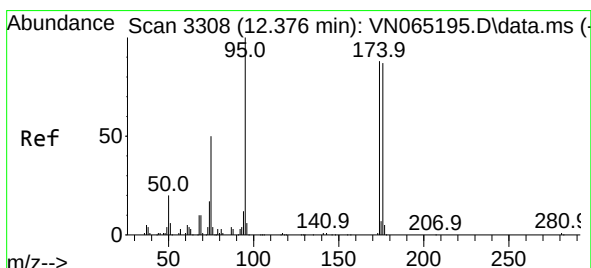
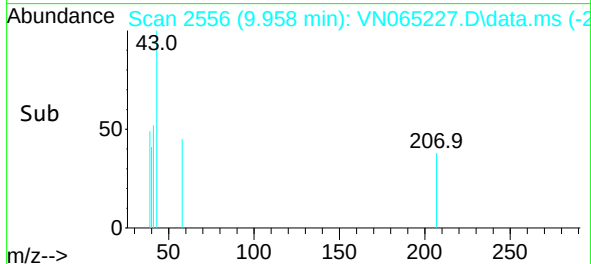
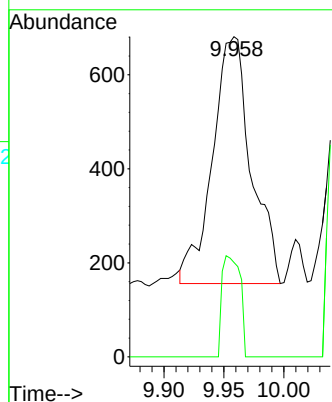
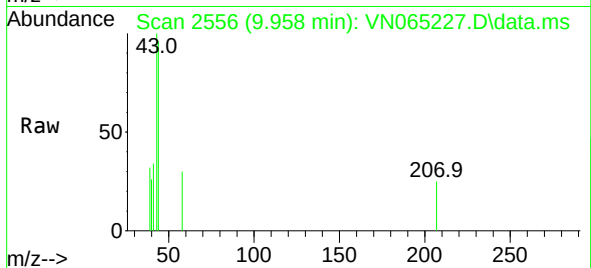




#51
4-Methyl-2-Pentanone
Concen: 0.38 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.003 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

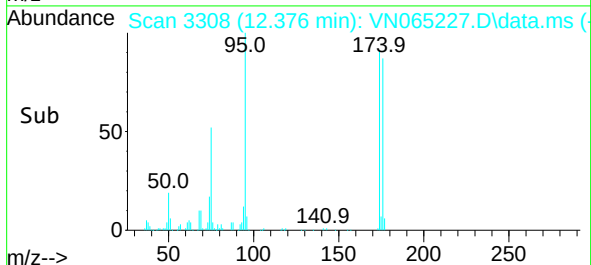
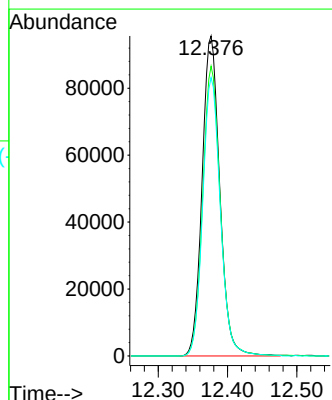
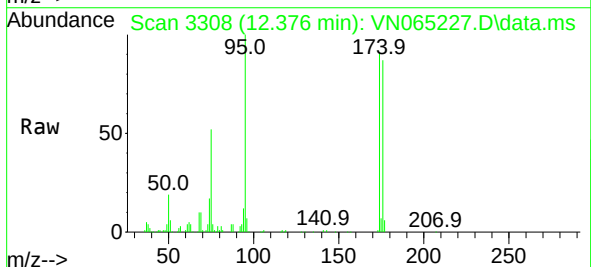
Instrument :
MSVOA_N
ClientSampleId :
PB133767TB

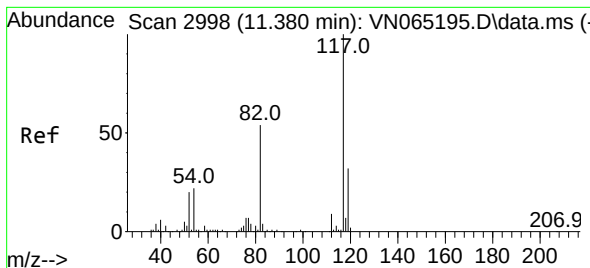
Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
58 19.1 32.4 48.6#



#62
4-Bromofluorobenzene
Concen: 53.34 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

Tgt Ion: 95 Resp: 169302
Ion Ratio Lower Upper
95 100
174 90.0 0.0 160.4
176 86.9 0.0 158.4

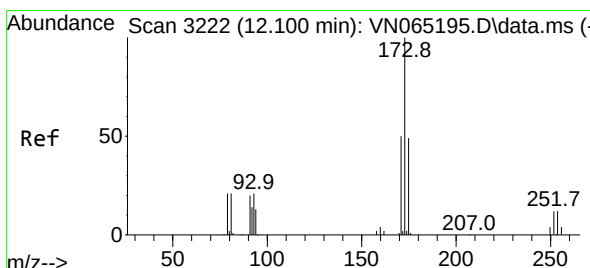
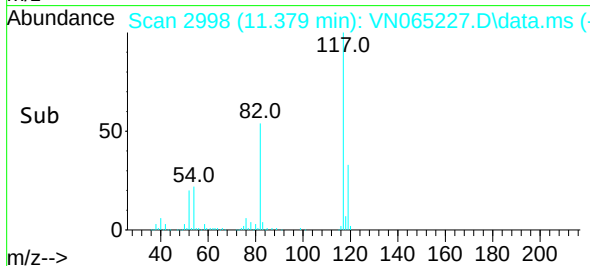
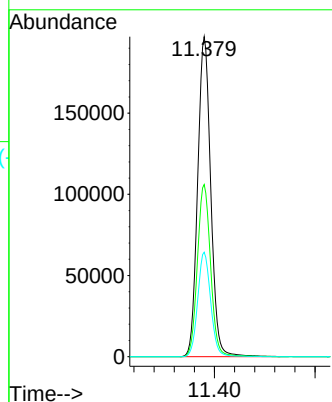
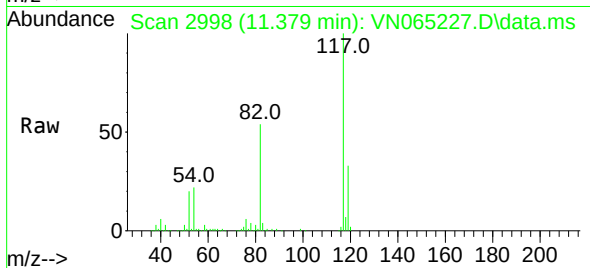




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

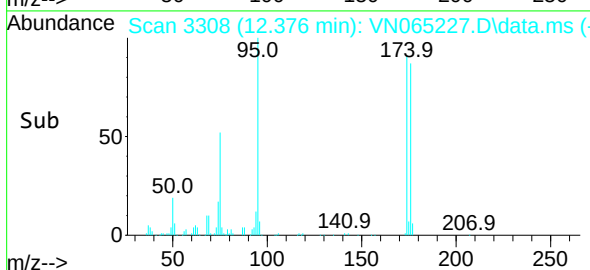
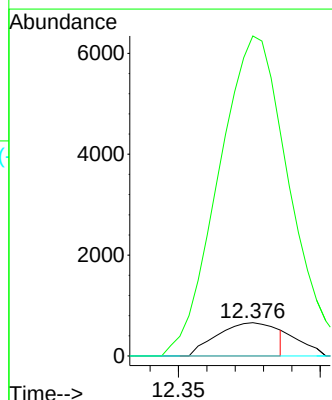
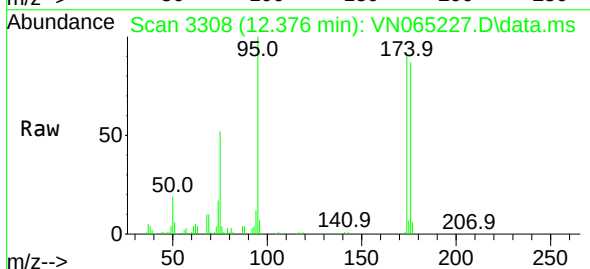
Instrument :
MSVOA_N
ClientSampleId :
PB133767TB

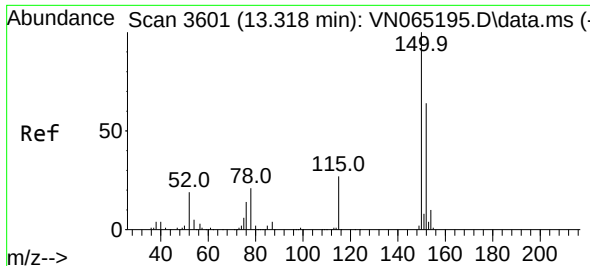
Tgt Ion:117 Resp: 355789
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.6 25.8 38.6



#71
Bromoform
Concen: 0.40 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

Tgt Ion:173 Resp: 967
Ion Ratio Lower Upper
173 100
175 933.2 24.3 72.8#
254 0.0 0.0 0.0

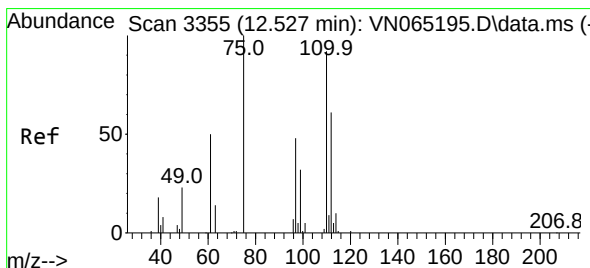
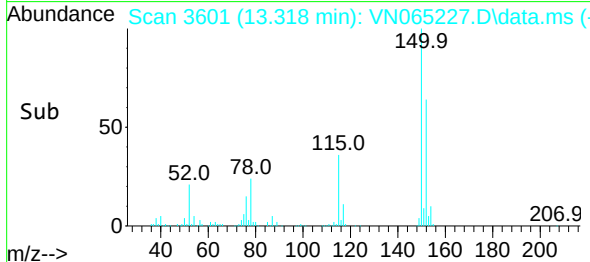
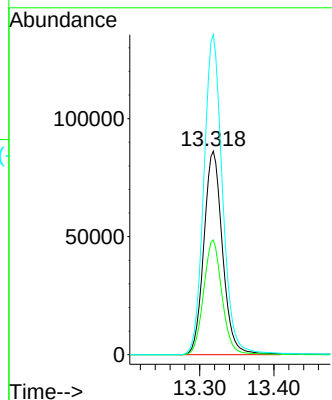
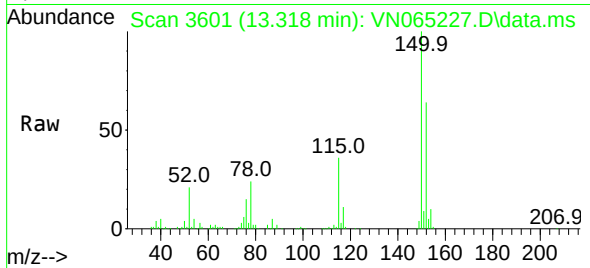




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.318 min Scan# 3601
 Delta R.T. 0.000 min
 Lab File: VN065227.D
 Acq: 23 Dec 2020 11:56

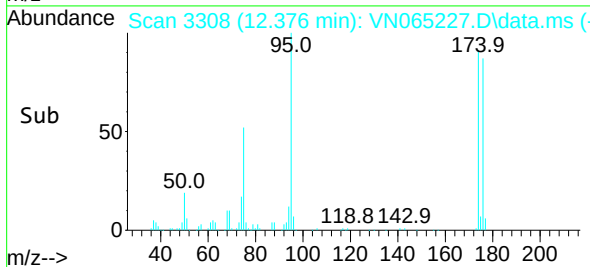
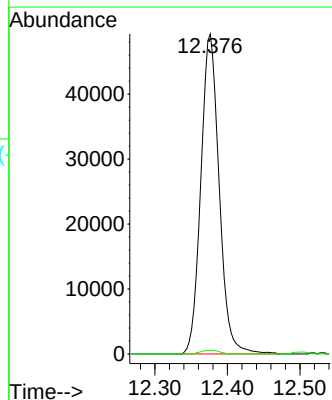
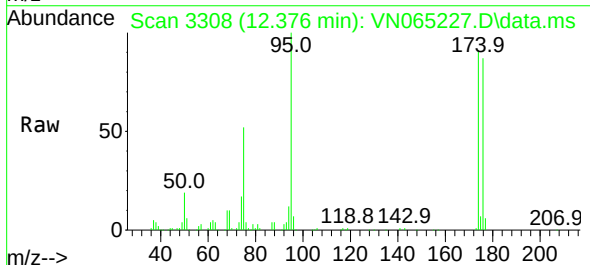
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133767TB

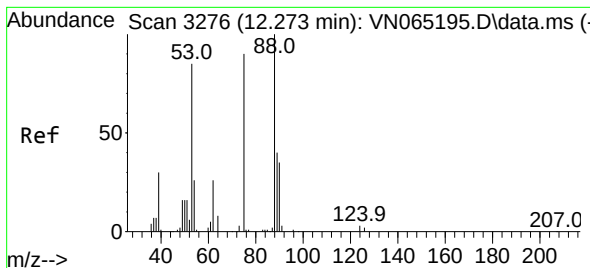
Tgt Ion:152 Resp: 150653
 Ion Ratio Lower Upper
 152 100
 115 55.5 29.7 89.1
 150 157.5 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 28.16 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. -0.151 min
 Lab File: VN065227.D
 Acq: 23 Dec 2020 11:56

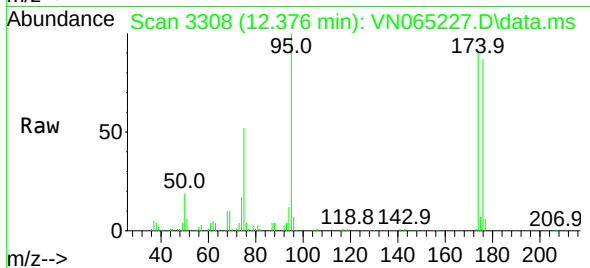
Tgt Ion: 75 Resp: 86538
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



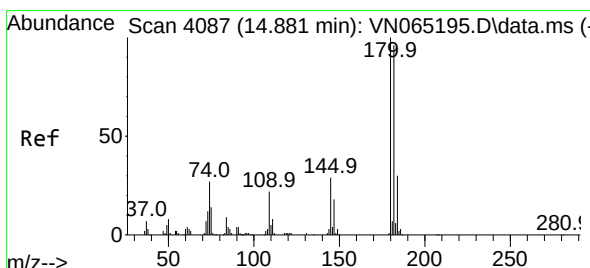
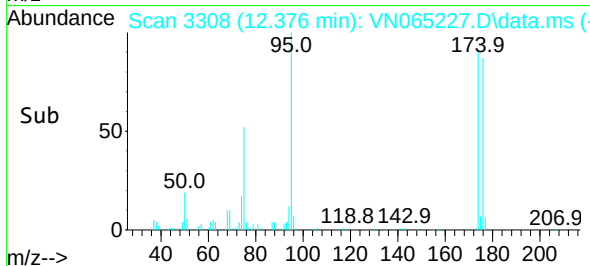
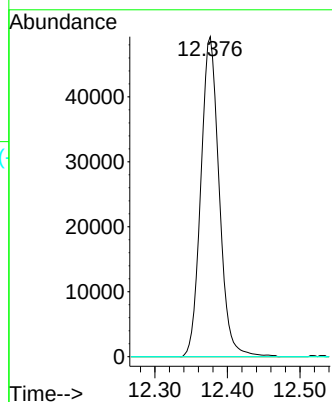


#81
trans-1,4-Dichloro-2-butene
Concen: 71.00 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
PB133767TB

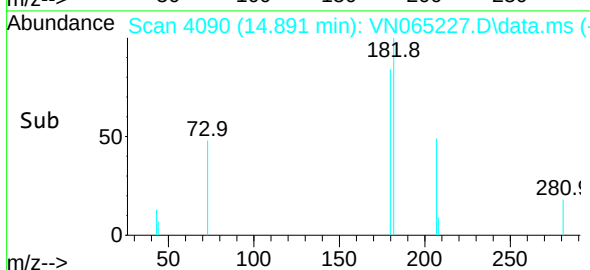
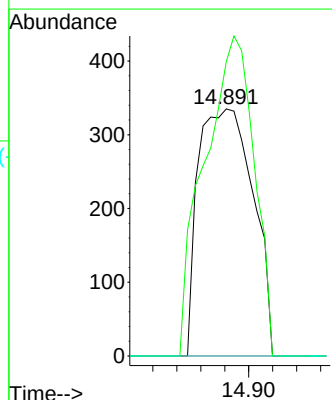
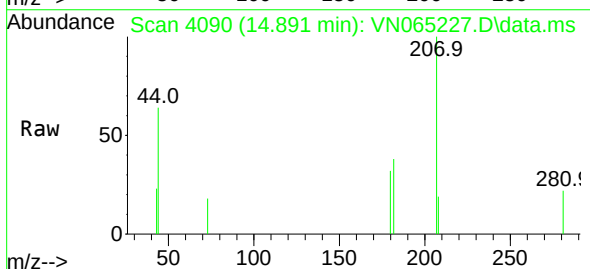


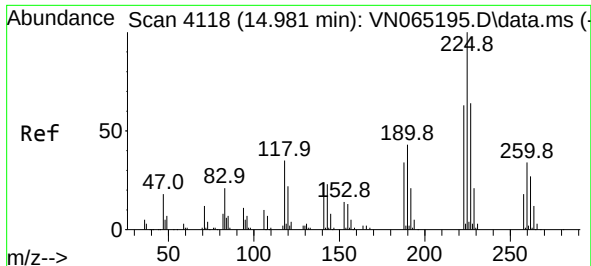
Tgt Ion: 75 Resp: 86538
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.00 ug/l
RT: 14.891 min Scan# 4090
Delta R.T. 0.010 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

Tgt Ion: 180 Resp: 531
Ion Ratio Lower Upper
180 100
182 117.7 47.6 142.9
145 0.0 15.3 45.8#

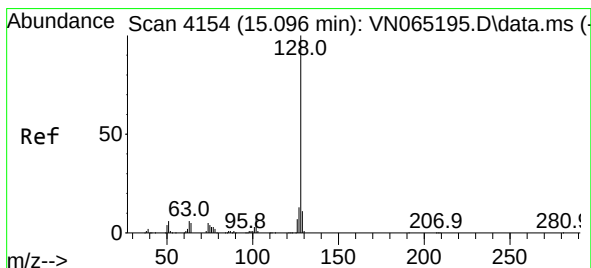
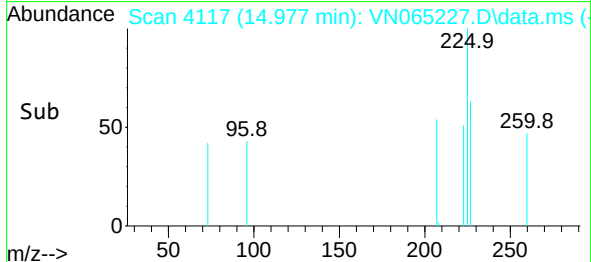
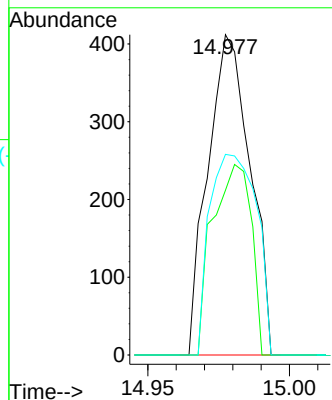
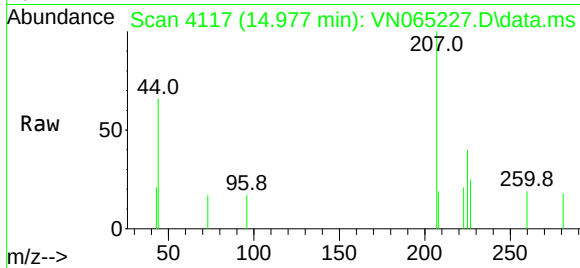




#94
Hexachlorobutadiene
Concen: 0.22 ug/l
RT: 14.977 min Scan# 4117
Delta R.T. -0.004 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

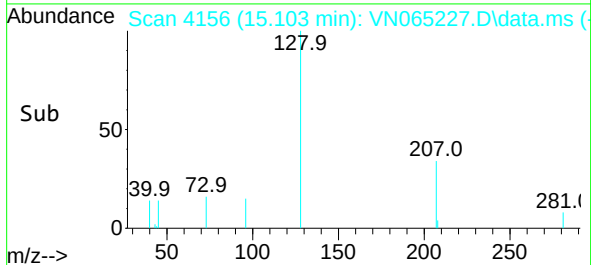
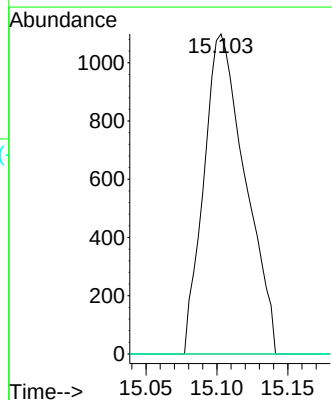
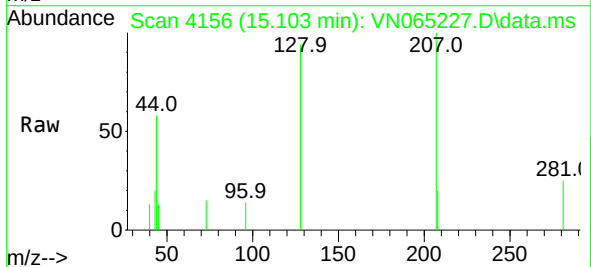
Instrument :
MSVOA_N
ClientSampleId :
PB133767TB

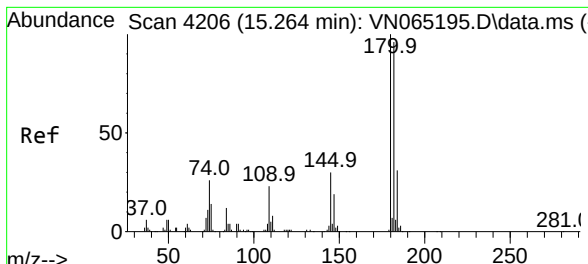
Tgt Ion:	225	Resp:	427
Ion	Ratio	Lower	Upper
225	100		
223	54.6	31.0	93.0
227	69.6	32.0	96.0



#95
Naphthalene
Concen: 3.64 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.007 min
Lab File: VN065227.D
Acq: 23 Dec 2020 11:56

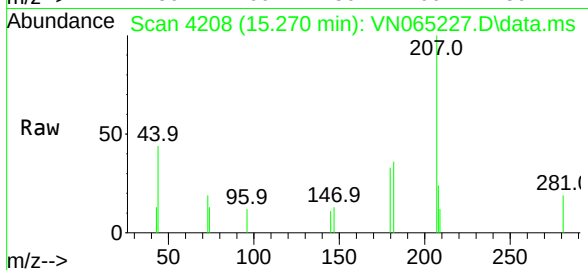
Tgt Ion:	128	Resp:	2237
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.49 ug/l
 RT: 15.270 min Scan# 4208
 Delta R.T. 0.006 min
 Lab File: VN065227.D
 Acq: 23 Dec 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133767TB



Tgt Ion:	180	Resp:	784
Ion	Ratio	Lower	Upper
180	100		
182	104.1	48.1	144.4
145	30.4	16.4	49.1

