

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065349.D
 Acq On : 31 Dec 2020 16:44
 Operator : JC/MD
 Sample : PB133875ZHE#23
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133875ZHE#23

Quant Time: Jan 01 01:51:36 2021
 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)

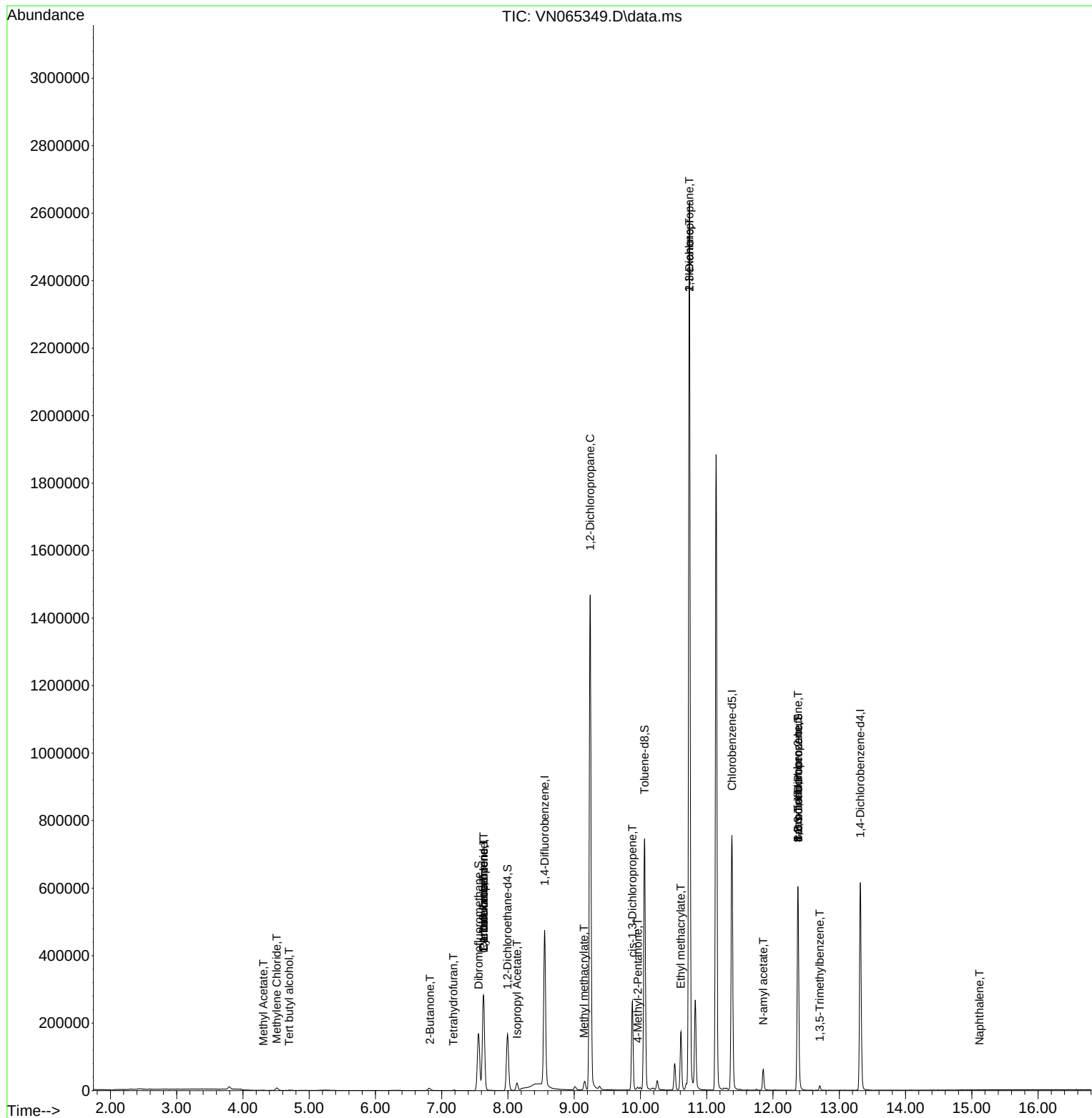
Internal Standards						
1) Pentafluorobenzene	7.631	168	255071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	431941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	464388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	186885	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	148399	51.54	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.08%			
35) Dibromofluoromethane	7.557	113	130361	50.02	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.04%			
50) Toluene-d8	10.061	98	540276	55.32	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.64%			
62) 4-Bromofluorobenzene	12.376	95	207329	53.30	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.60%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.695	59	328	0.70	ug/l #	73
16) Acetone	3.798	43	11488	Below Cal		92
18) Methyl Acetate	4.309	43	1981	0.77	ug/l #	56
20) Methylene Chloride	4.512	84	5674	2.02	ug/l	96
25) 2-Butanone	6.824	43	3127	1.93	ug/l #	87
29) Tetrahydrofuran	7.177	42	1176	1.12	ug/l #	68
31) Cyclohexane	7.634	56	4014	0.94	ug/l #	1
36) 1,1-Dichloropropene	7.634	75	16504	4.20	ug/l #	48
38) Carbon Tetrachloride	7.631	117	21828	5.29	ug/l #	16
43) Isopropyl Acetate	8.135	43	26065	3.88	ug/l	98
45) 1,2-Dichloropropane	9.241	63	2000	0.66	ug/l #	43
48) Methyl methacrylate	9.148	41	6599	2.03	ug/l #	12
51) 4-Methyl-2-Pentanone	9.958	43	6132	1.63	ug/l	94
54) cis-1,3-Dichloropropene	9.878	75	49174	9.44	ug/l #	61
56) Ethyl methacrylate	10.608	69	1103	0.24	ug/l #	1
57) 1,3-Dichloropropane	10.737	76	28519	5.93	ug/l #	42
59) 2-Hexanone	10.737	43	379815	136.96	ug/l #	49
71) Bromoform	12.376	173	1093	0.35	ug/l #	1
74) N-amyl acetate	11.852	43	19872	3.51	ug/l #	50
76) 1,2,3-Trichloropropane	12.376	75	102423	26.86	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.708	105	7650	0.63	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.376	75	102423	67.74	ug/l #	15
95) Naphthalene	15.116	128	99	3.38	ug/l #	69

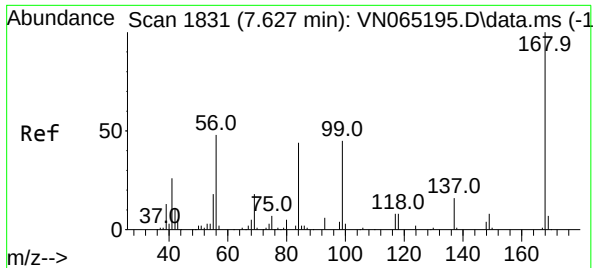
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB133875ZHE#23
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Jan 01 01:51:36 2021
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

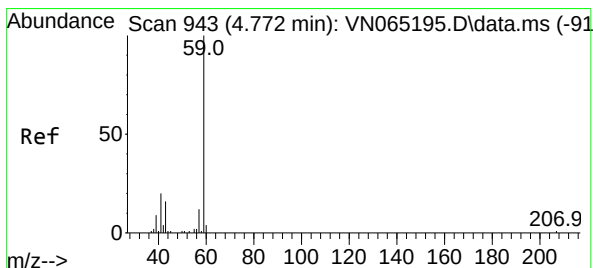
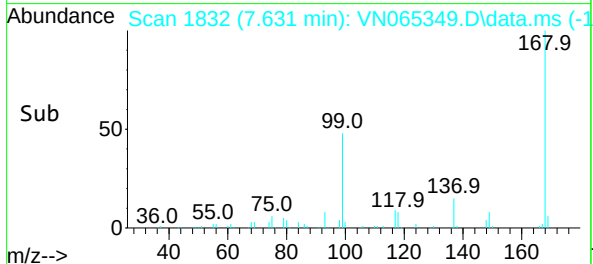
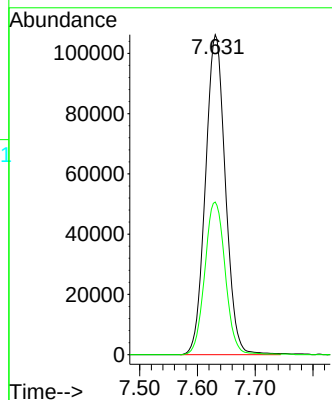
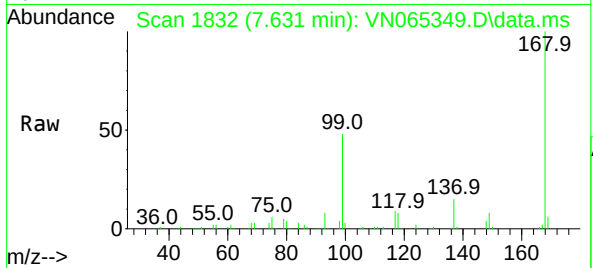




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

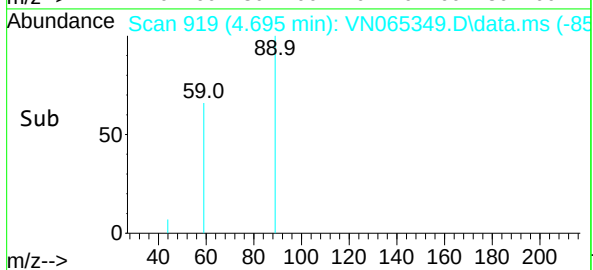
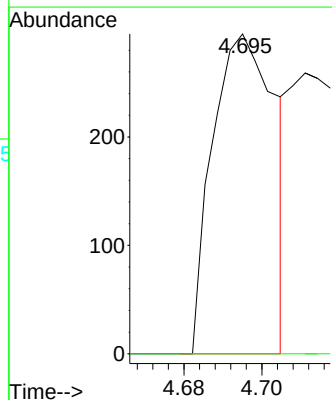
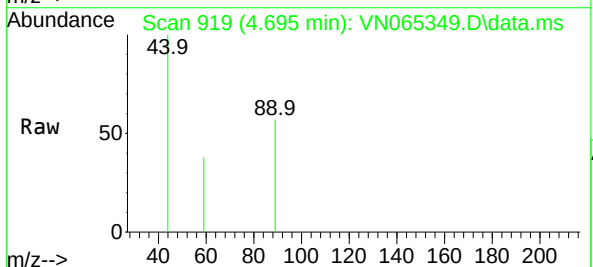
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

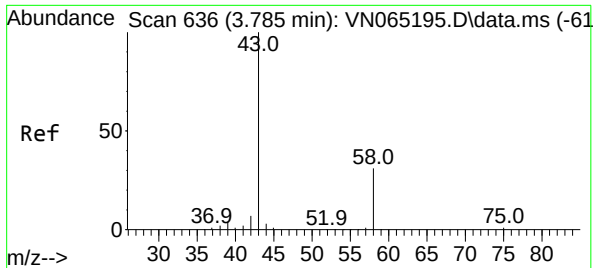
Tgt Ion:168 Resp: 255071
Ion Ratio Lower Upper
168 100
99 47.7 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.70 ug/l
RT: 4.695 min Scan# 919
Delta R.T. -0.077 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

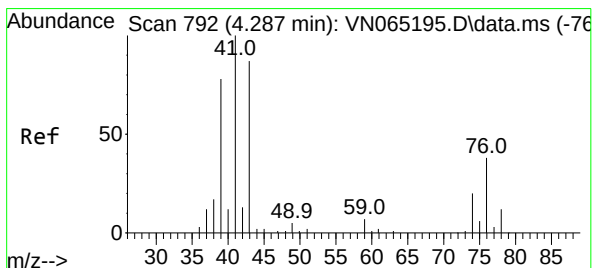
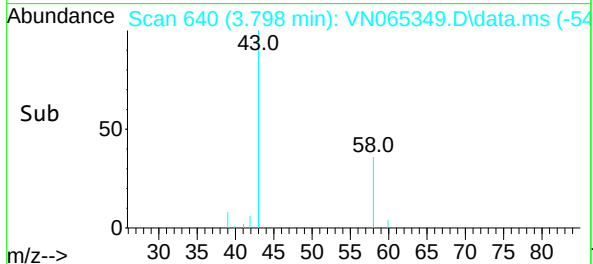
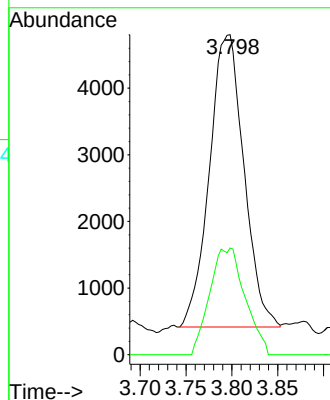
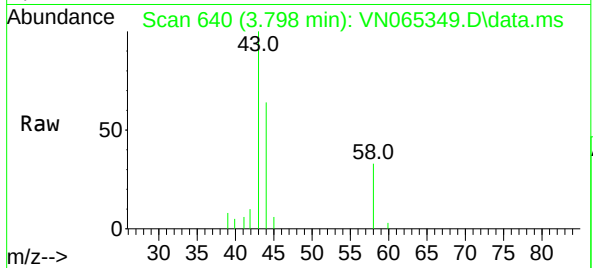




#16
Acetone
Concen: Below Cal
RT: 3.798 min Scan# 640
Delta R.T. 0.013 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

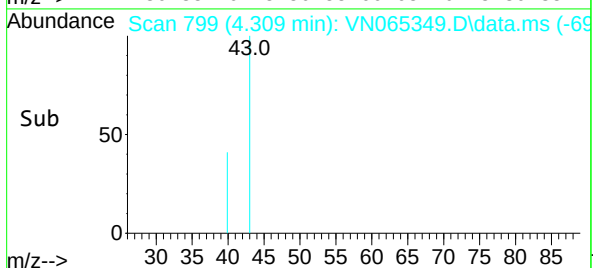
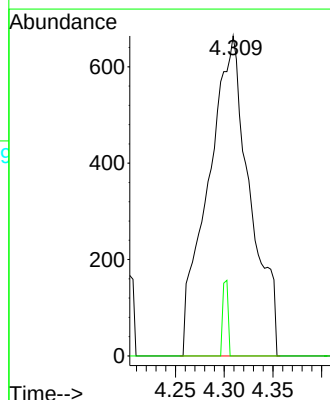
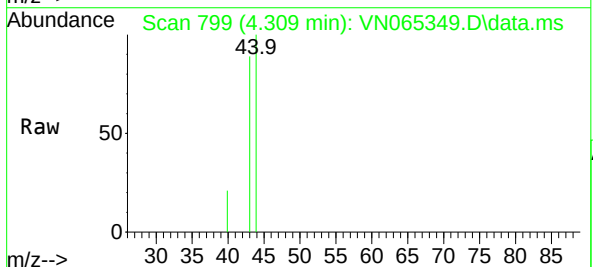
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

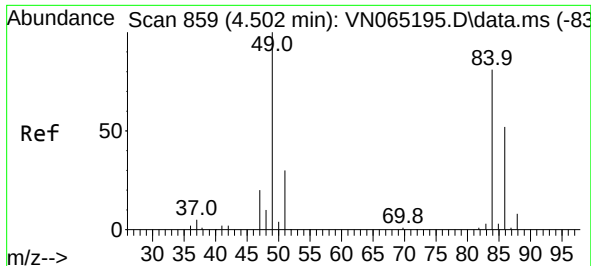
Tgt Ion: 43 Resp: 11488
Ion Ratio Lower Upper
43 100
58 36.5 25.7 38.5



#18
Methyl Acetate
Concen: 0.77 ug/l
RT: 4.309 min Scan# 799
Delta R.T. 0.022 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 43 Resp: 1981
Ion Ratio Lower Upper
43 100
74 3.0 20.2 30.2#



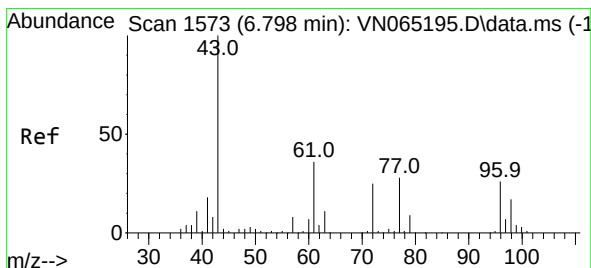
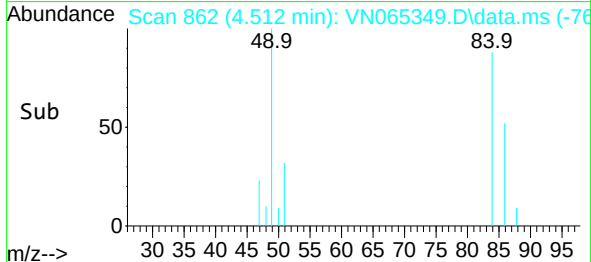
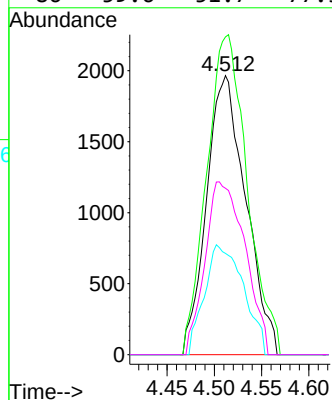
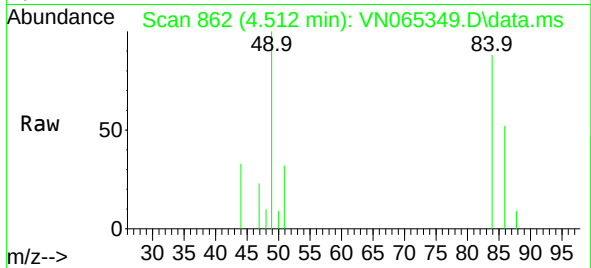


#20
Methylene Chloride
Concen: 2.02 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

Tgt Ion: 84 Resp: 5674

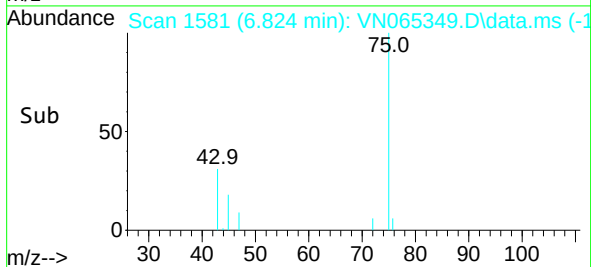
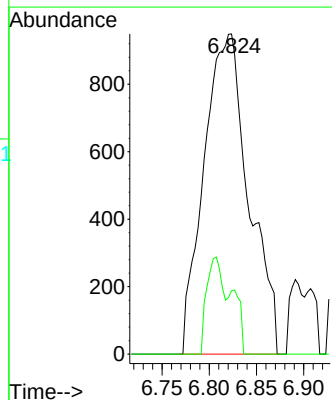
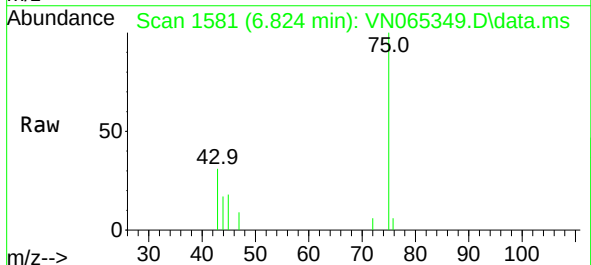
Ion	Ratio	Lower	Upper
84	100		
49	113.9	93.4	140.0
51	36.3	28.2	42.4
86	59.6	51.7	77.5

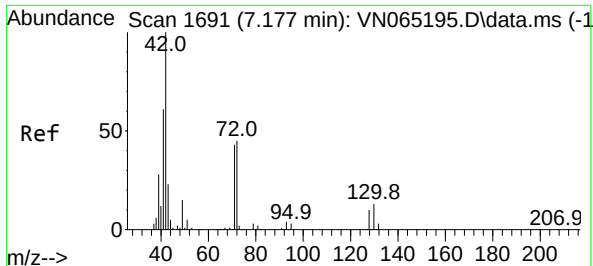


#25
2-Butanone
Concen: 1.93 ug/l
RT: 6.824 min Scan# 1581
Delta R.T. 0.026 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 43 Resp: 3127

Ion	Ratio	Lower	Upper
43	100		
72	19.8	21.0	31.6#





#29

Tetrahydrofuran

Concen: 1.12 ug/l

RT: 7.177 min Scan# 1691

Delta R.T. 0.000 min

Lab File: VN065349.D

Acq: 31 Dec 2020 16:44

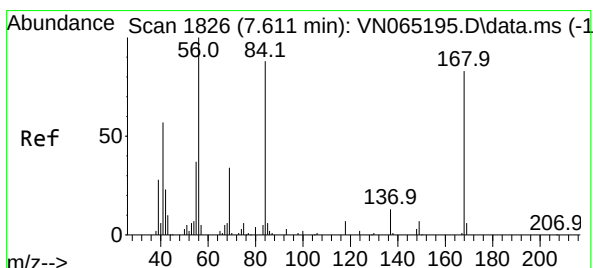
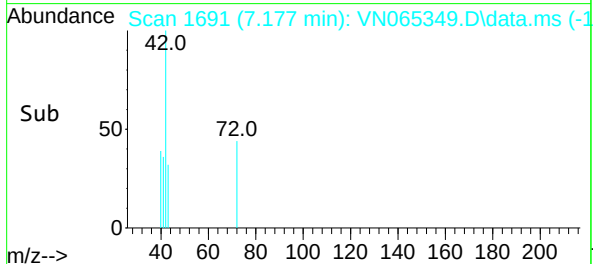
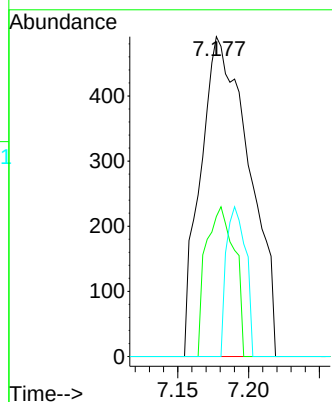
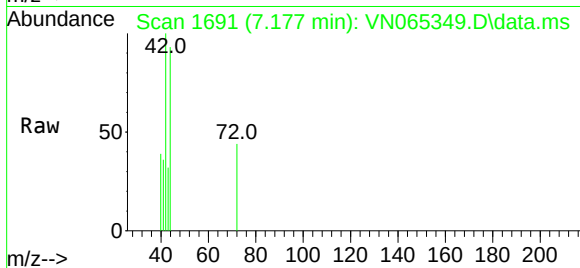
Instrument :

MSVOA_N

ClientSampleId :

PB133875ZHE#23

Tgt Ion:	42	Resp:	1176
Ion	Ratio	Lower	Upper
42	100		
72	27.4	36.6	54.8#
71	18.5	33.6	50.4#



#31

Cyclohexane

Concen: 0.94 ug/l

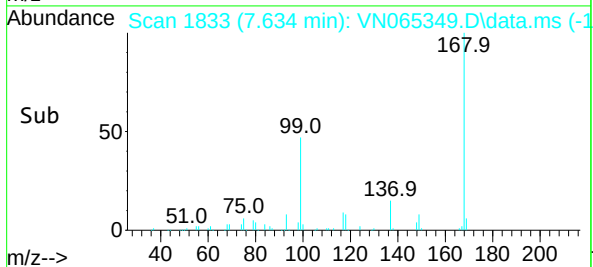
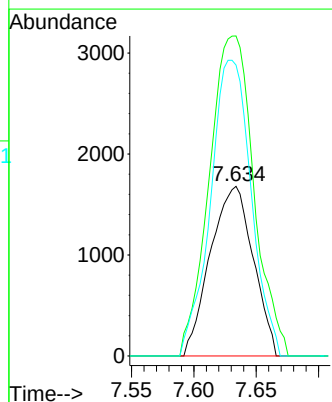
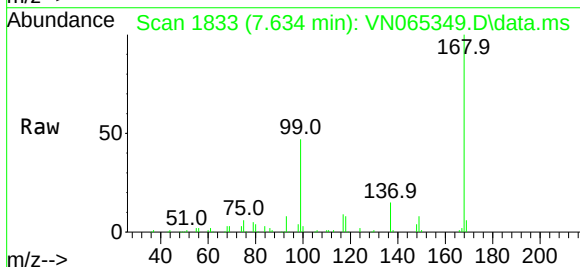
RT: 7.634 min Scan# 1833

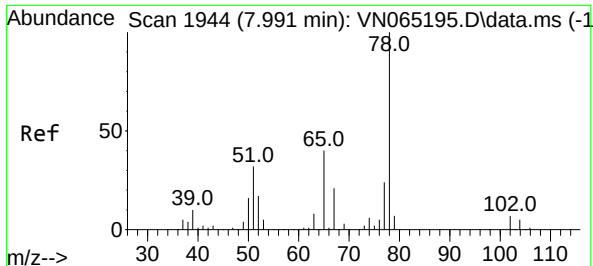
Delta R.T. 0.023 min

Lab File: VN065349.D

Acq: 31 Dec 2020 16:44

Tgt Ion:	56	Resp:	4014
Ion	Ratio	Lower	Upper
56	100		
69	188.6	27.5	41.3#
84	171.4	73.9	110.9#

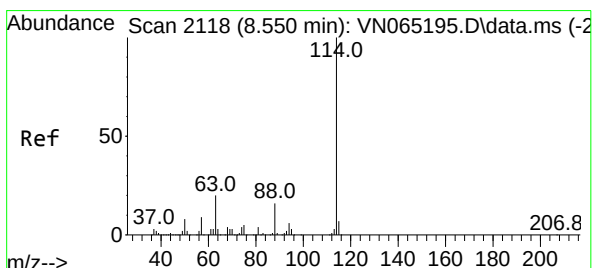
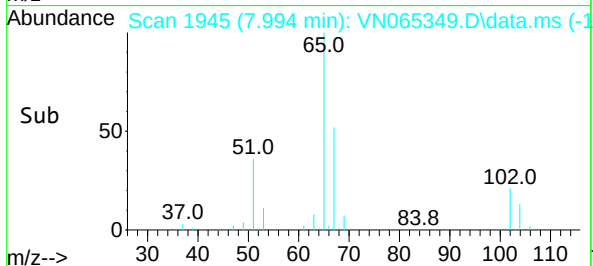
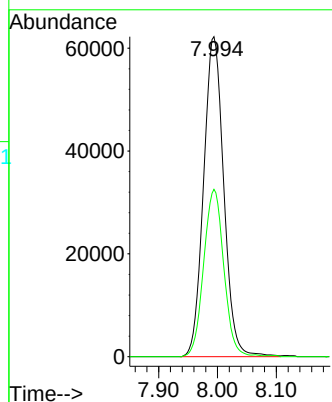
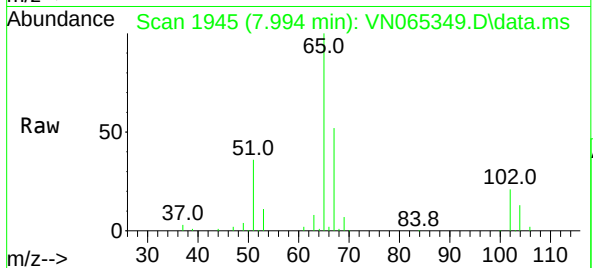




#33
1,2-Dichloroethane-d4
Concen: 51.54 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

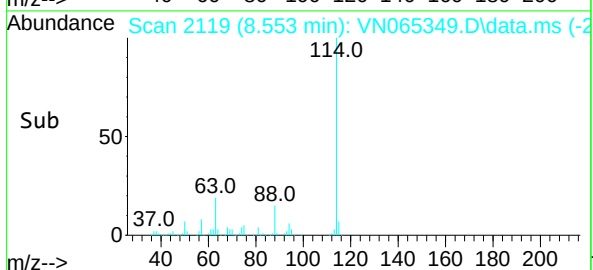
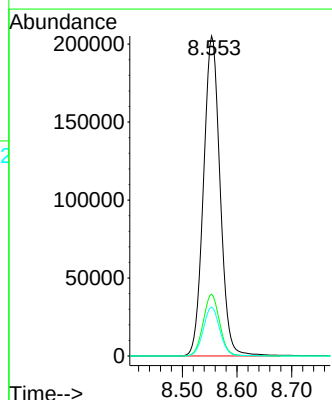
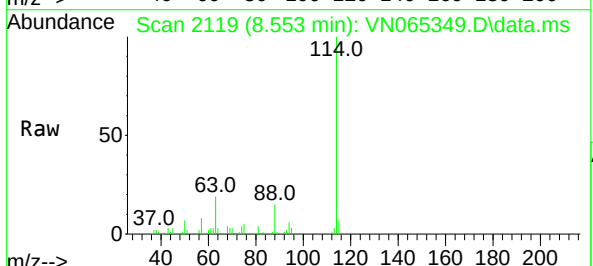
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

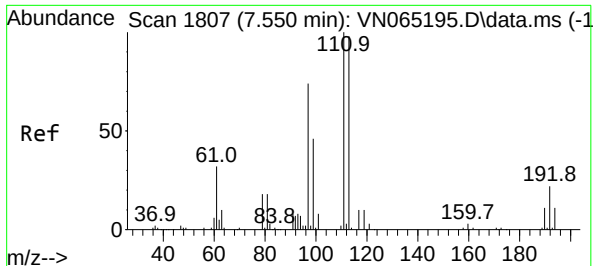
Tgt Ion: 65 Resp: 148399
Ion Ratio Lower Upper
65 100
67 52.0 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 114 Resp: 431941
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.6
88 15.3 0.0 32.6

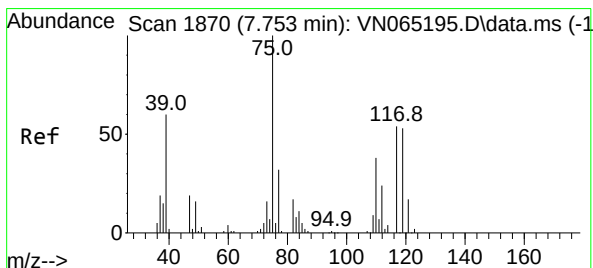
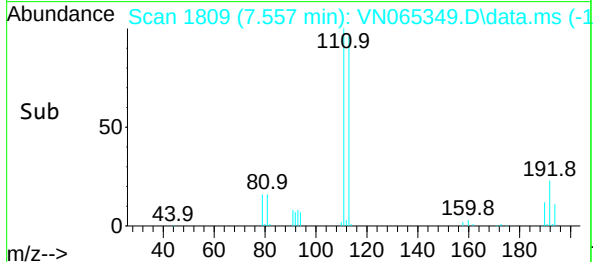
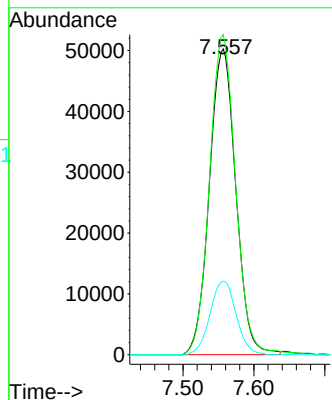
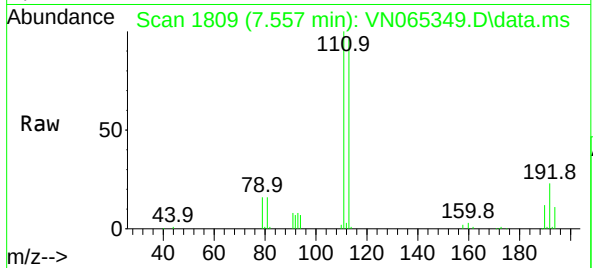




#35
Dibromofluoromethane
Concen: 50.02 ug/l
RT: 7.557 min Scan# 1809
Delta R.T. 0.007 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

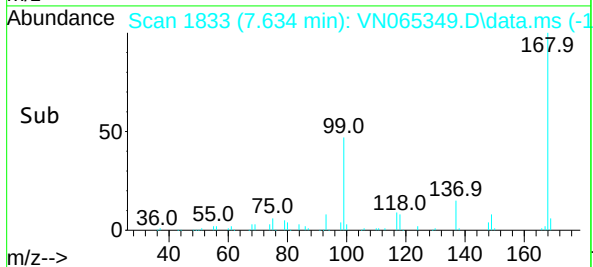
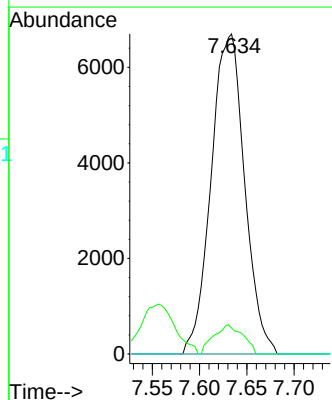
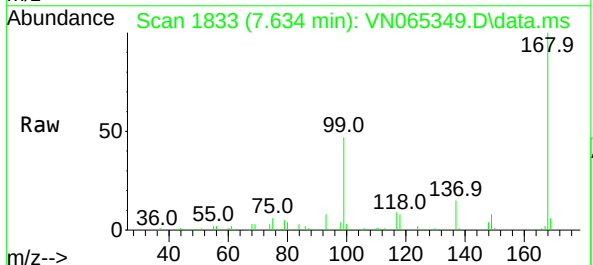
Instrument :
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PB133875ZHE#23

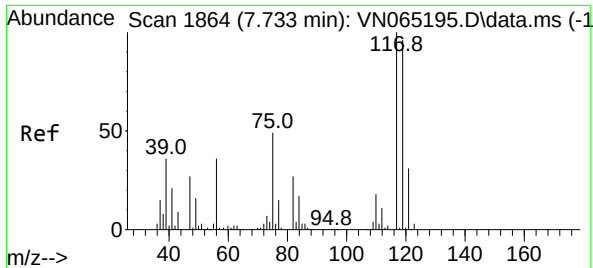
Tgt Ion:113 Resp: 130361
Ion Ratio Lower Upper
113 100
111 103.4 81.6 122.4
192 23.7 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.20 ug/l
RT: 7.634 min Scan# 1833
Delta R.T. -0.119 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

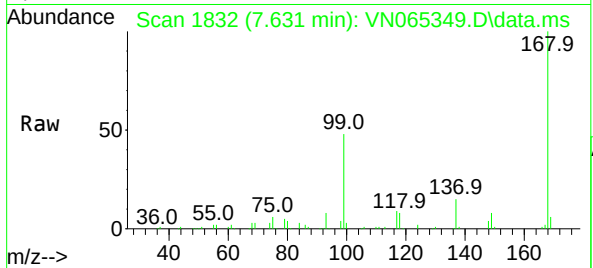
Tgt Ion: 75 Resp: 16504
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.3#
77 0.0 25.0 37.4#



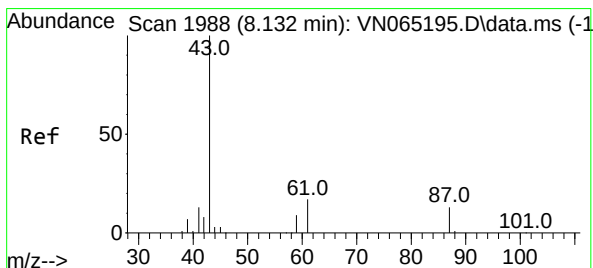
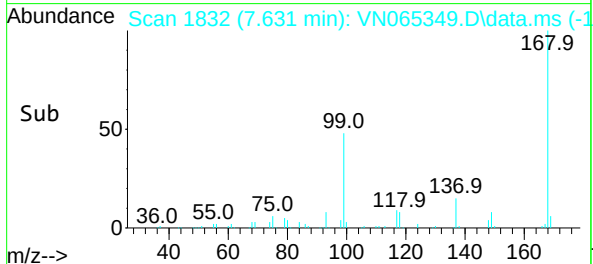
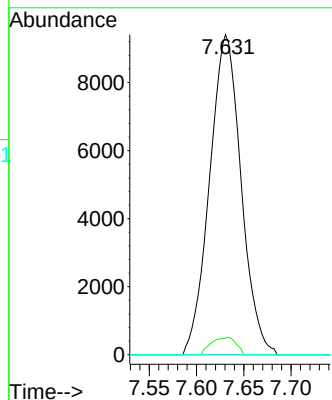


#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.102 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

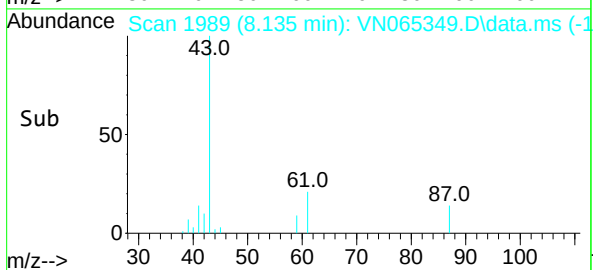
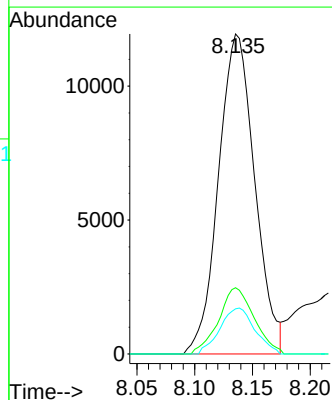
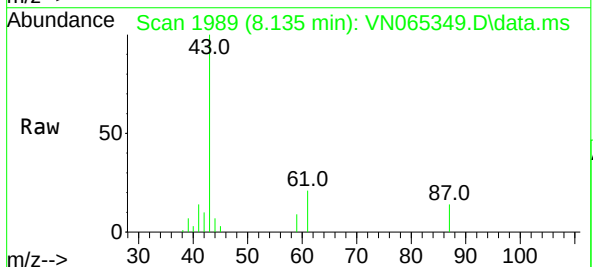


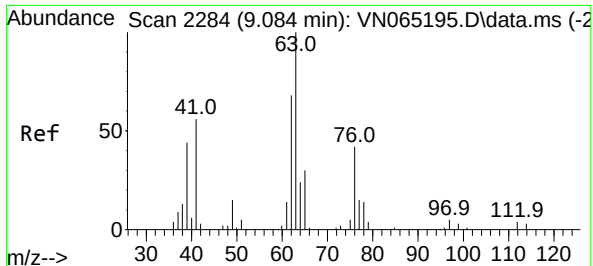
Tgt Ion:117 Resp: 21828
Ion Ratio Lower Upper
117 100
119 5.2 76.7 115.1#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 3.88 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 43 Resp: 26065
Ion Ratio Lower Upper
43 100
61 20.3 17.2 25.8
87 13.8 11.4 17.0



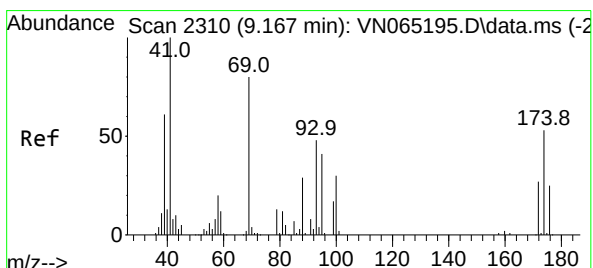
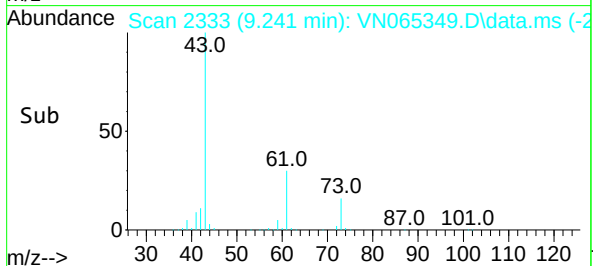
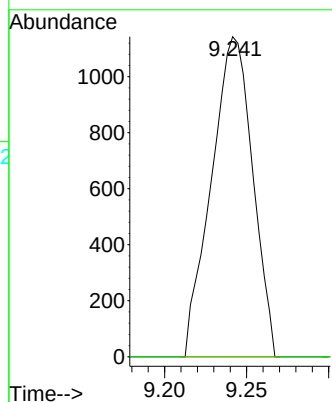
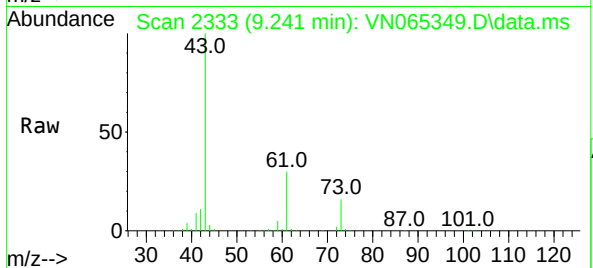


#45

1,2-Dichloropropane
Concen: 0.66 ug/l
RT: 9.241 min Scan# 2333
Delta R.T. 0.157 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

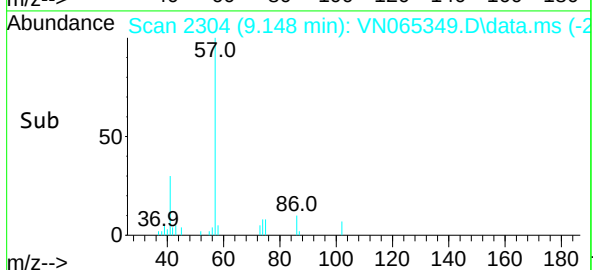
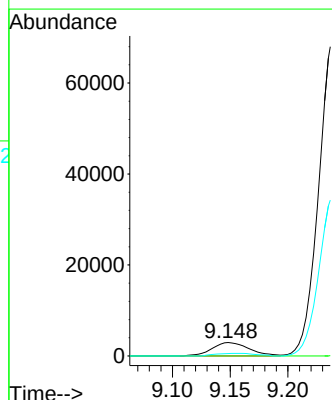
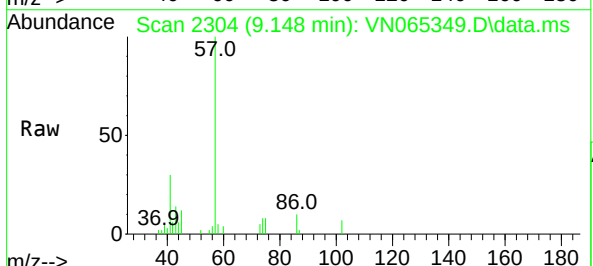
Tgt Ion: 63 Resp: 2000
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#

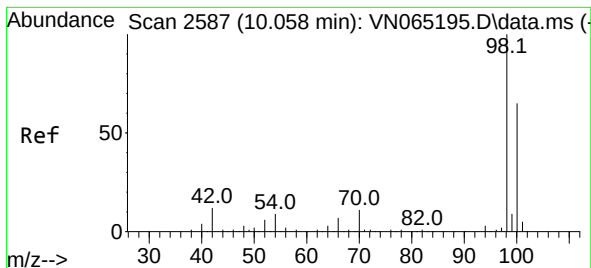


#48

Methyl methacrylate
Concen: 2.03 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 41 Resp: 6599
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

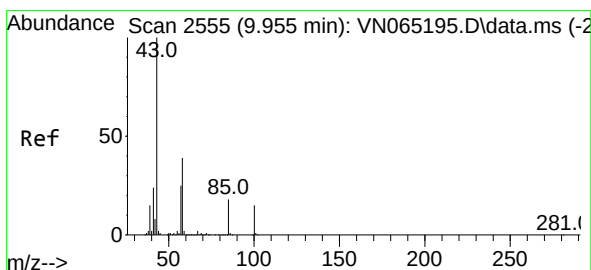
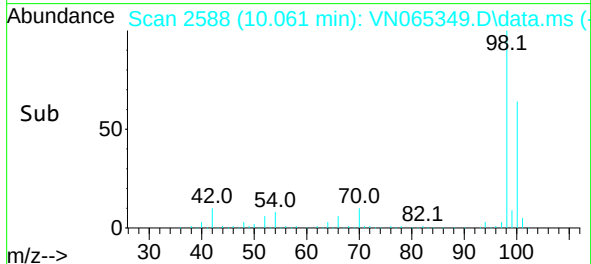
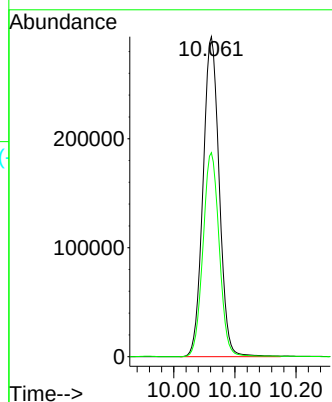
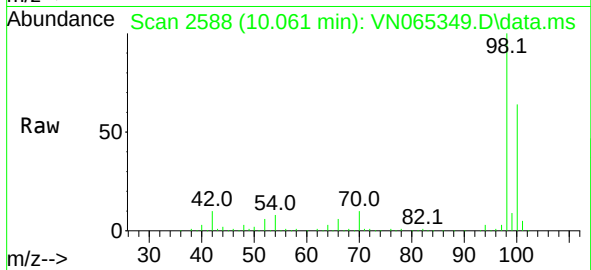




#50
Toluene-d8
Concen: 55.32 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

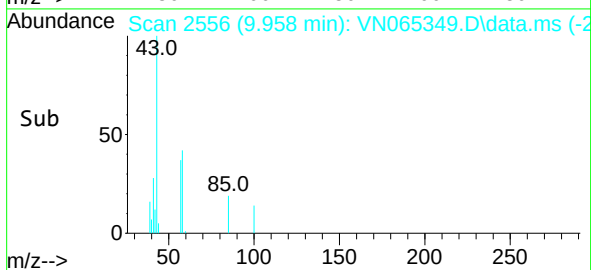
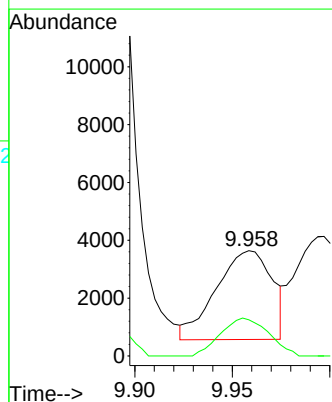
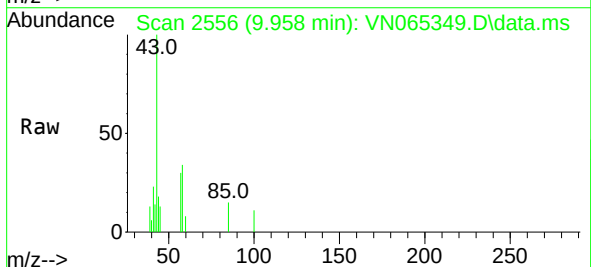
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

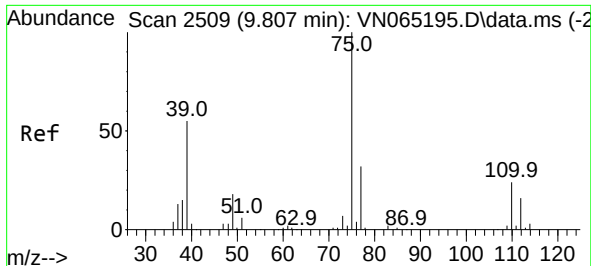
Tgt Ion: 98 Resp: 540276
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.63 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.003 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 43 Resp: 6132
Ion Ratio Lower Upper
43 100
58 36.6 32.4 48.6

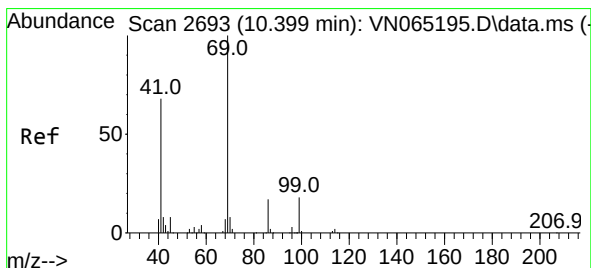
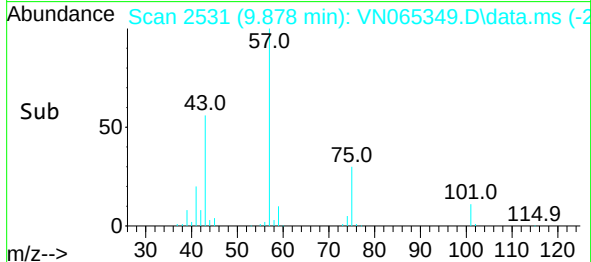
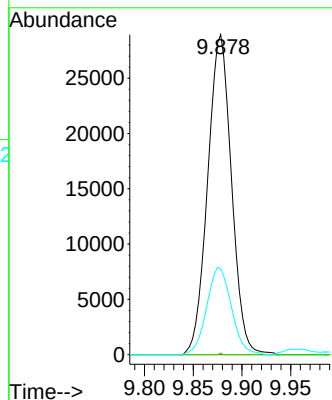
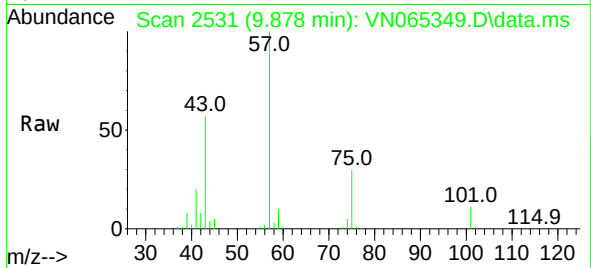




#54
 cis-1,3-Dichloropropene
 Concen: 9.44 ug/l
 RT: 9.878 min Scan# 2531
 Delta R.T. 0.071 min
 Lab File: VN065349.D
 Acq: 31 Dec 2020 16:44

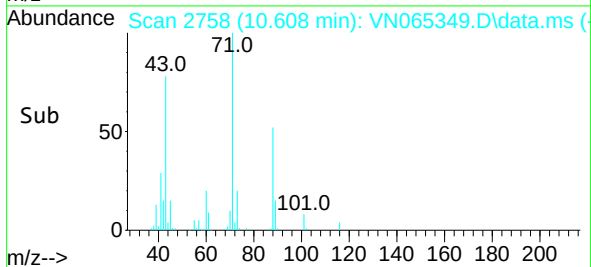
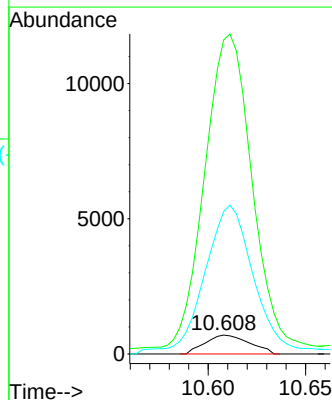
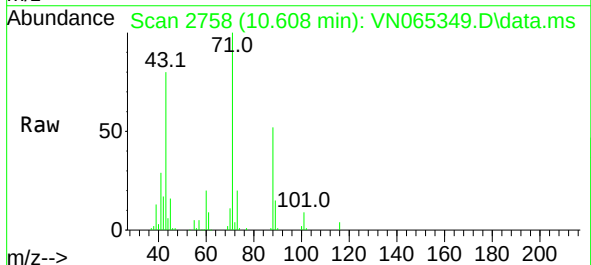
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133875ZHE#23

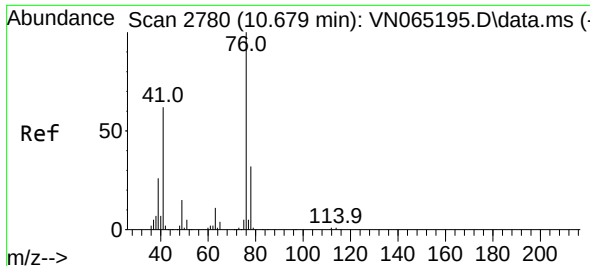
Tgt Ion:	75	Resp:	49174
Ion	Ratio	Lower	Upper
75	100		
77	0.5	25.5	38.3#
39	27.0	35.6	53.4#



#56
 Ethyl methacrylate
 Concen: 0.24 ug/l
 RT: 10.608 min Scan# 2758
 Delta R.T. 0.209 min
 Lab File: VN065349.D
 Acq: 31 Dec 2020 16:44

Tgt Ion:	69	Resp:	1103
Ion	Ratio	Lower	Upper
69	100		
41	1791.5	49.4	74.0#
39	880.4	25.9	38.9#

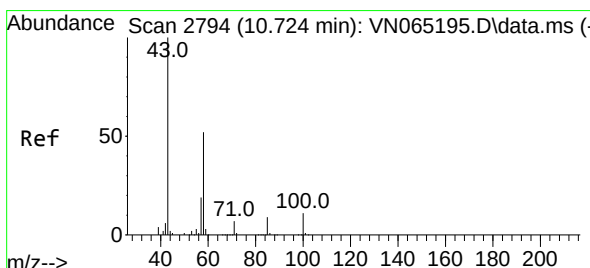
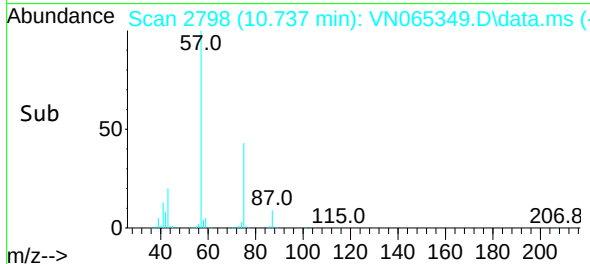
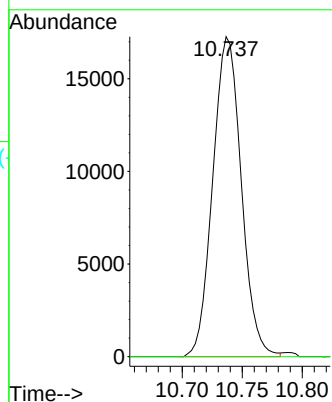
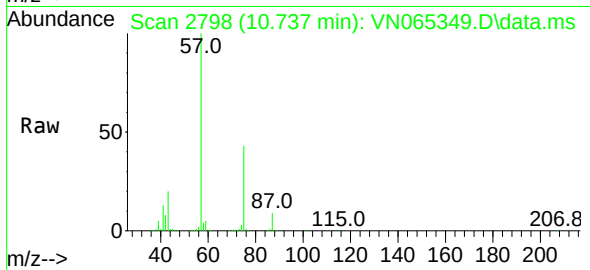




#57
1,3-Dichloropropane
Concen: 5.93 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.058 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

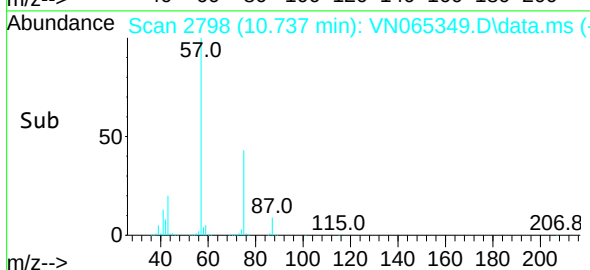
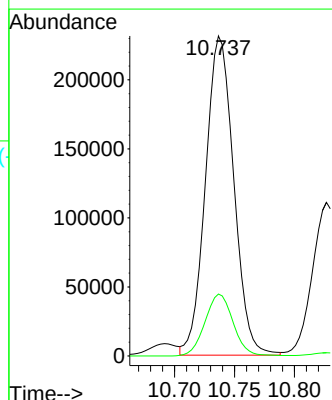
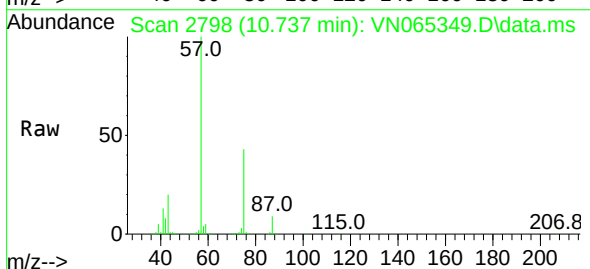
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

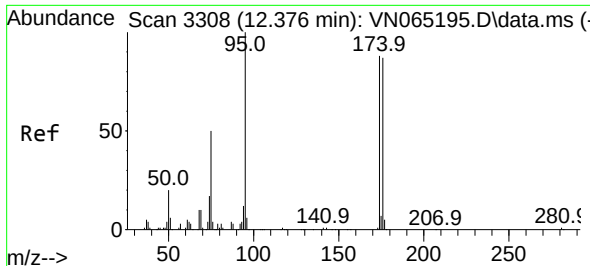
Tgt Ion: 76 Resp: 28519
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 136.96 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.013 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 43 Resp: 379815
Ion Ratio Lower Upper
43 100
58 19.3 28.3 84.9#

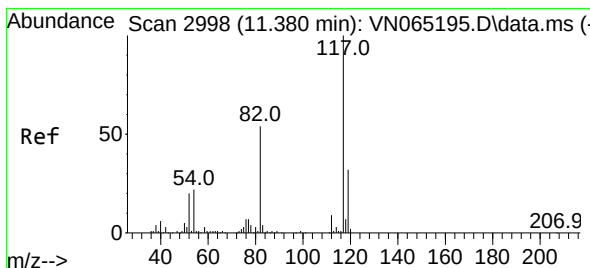
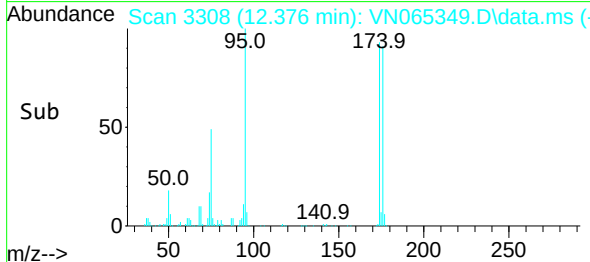
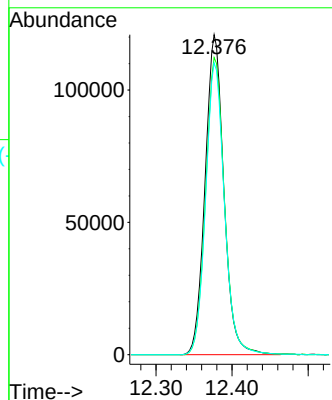
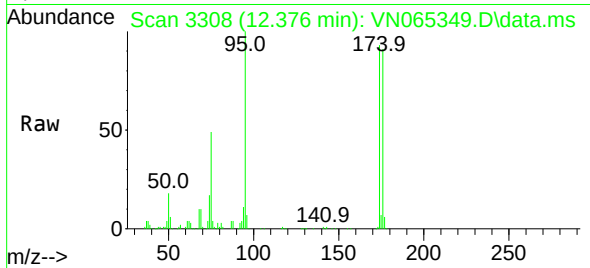




#62
4-Bromofluorobenzene
Concen: 53.30 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

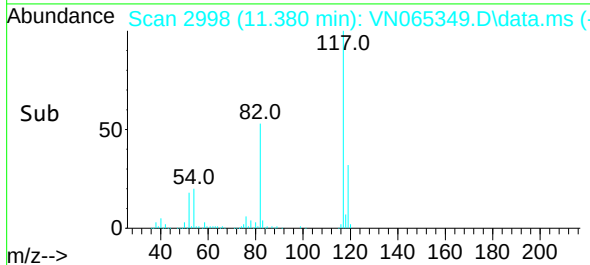
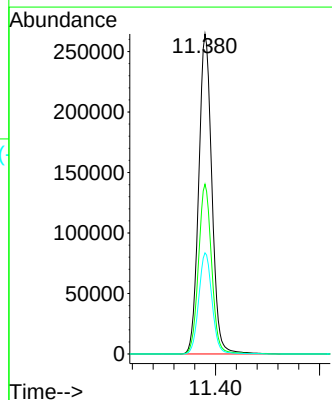
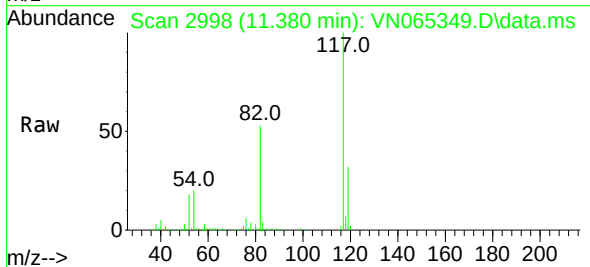
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

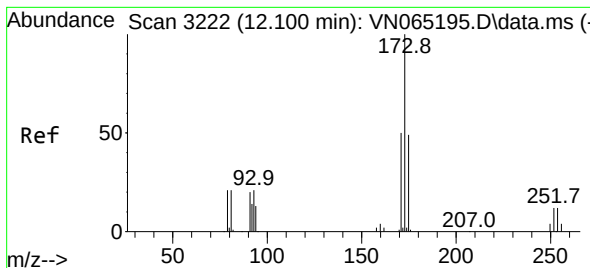
Tgt Ion: 95 Resp: 207329
Ion Ratio Lower Upper
95 100
174 93.4 0.0 160.4
176 91.0 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 117 Resp: 464388
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.2
119 31.6 25.8 38.6





#71

Bromoform

Concen: 0.35 ug/l

RT: 12.376 min Scan# 3308

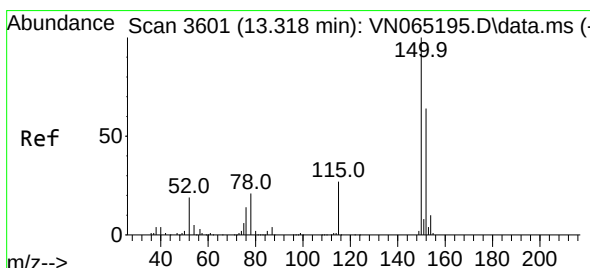
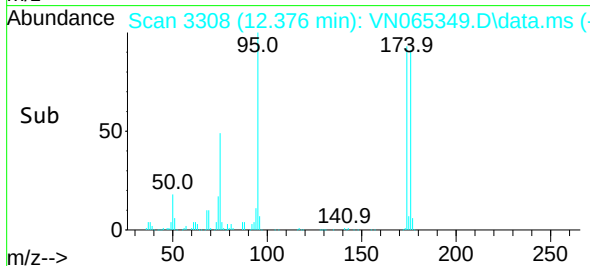
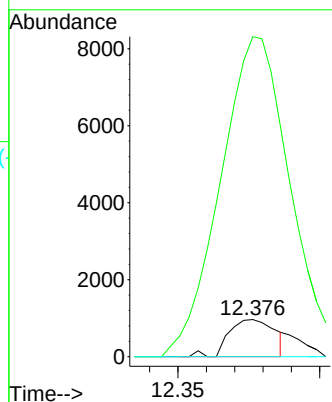
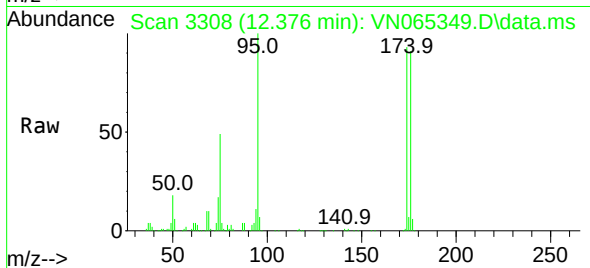
Delta R.T. 0.276 min

Lab File: VN065349.D

Acq: 31 Dec 2020 16:44

Tgt Ion:	173	Resp:	1093
Ion Ratio	Lower	Upper	
173	100		
175	1058.7	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

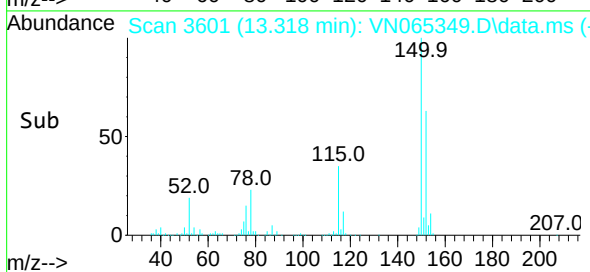
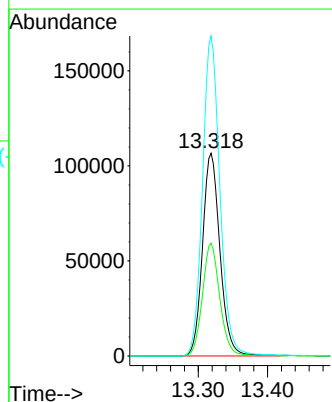
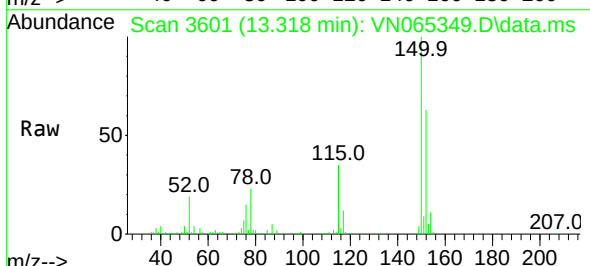
RT: 13.318 min Scan# 3601

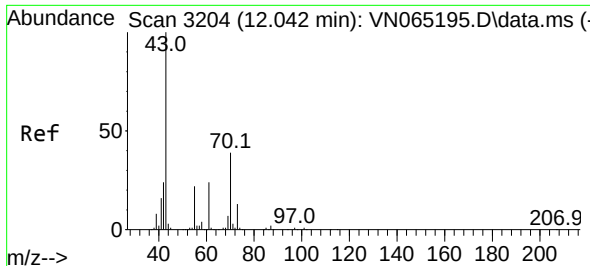
Delta R.T. 0.000 min

Lab File: VN065349.D

Acq: 31 Dec 2020 16:44

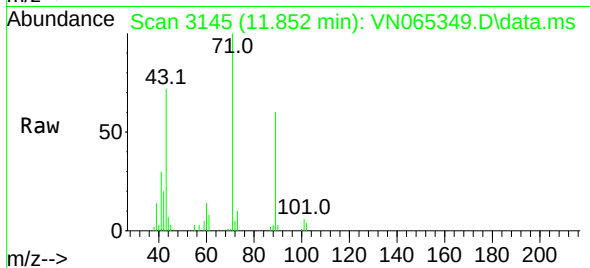
Tgt Ion:	152	Resp:	186885
Ion Ratio	Lower	Upper	
152	100		
115	55.3	29.7	89.1
150	157.7	0.0	350.6



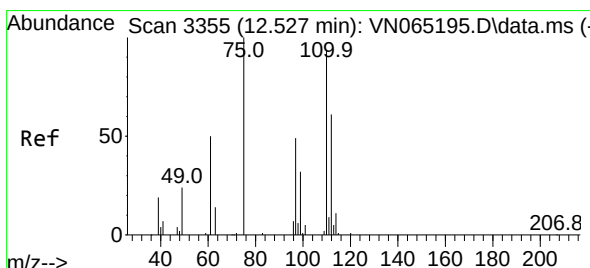
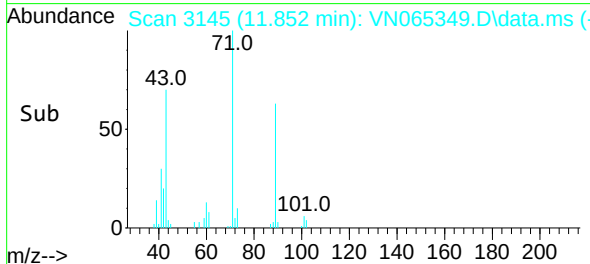
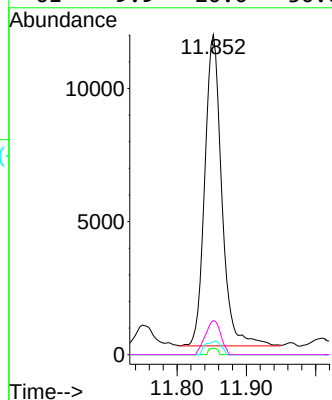


#74
N-amy1 acetate
Concen: 3.51 ug/l
RT: 11.852 min Scan# 3145
Delta R.T. -0.190 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

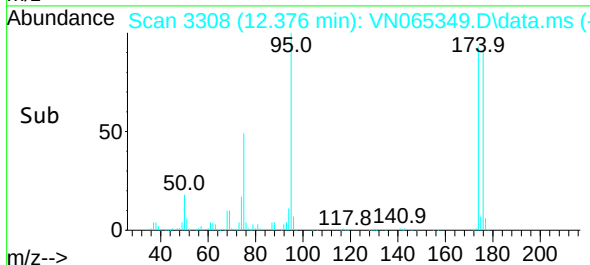
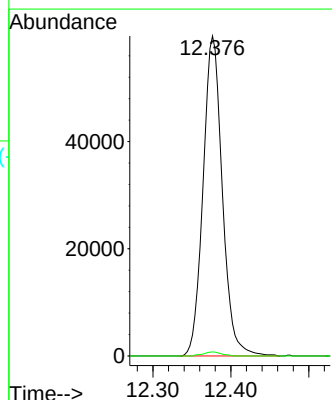
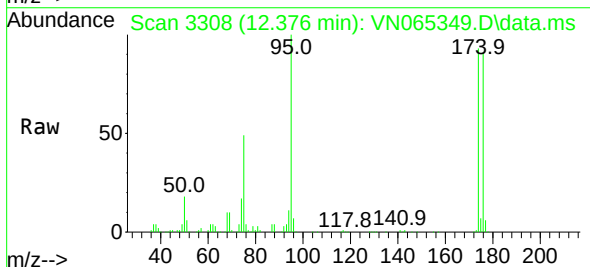


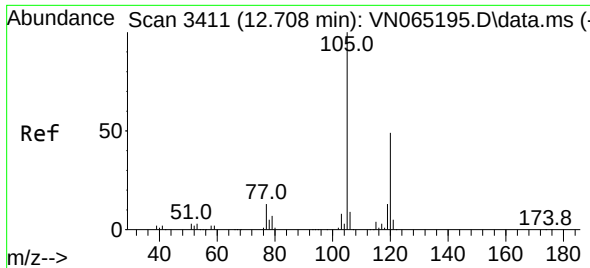
Tgt Ion: 43 Resp: 19872
Ion Ratio Lower Upper
43 100
70 1.1 34.5 51.7#
55 4.0 20.4 30.6#
61 9.9 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 26.86 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 75 Resp: 102423
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

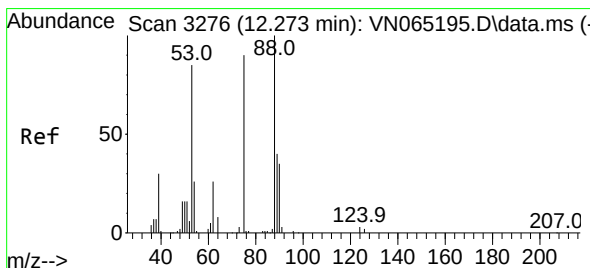
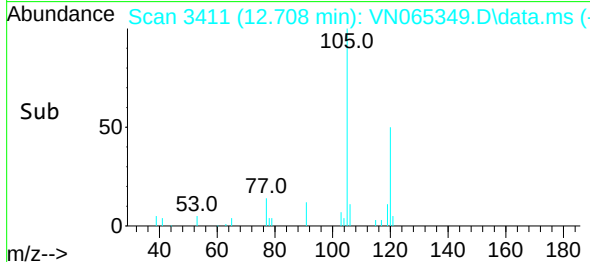
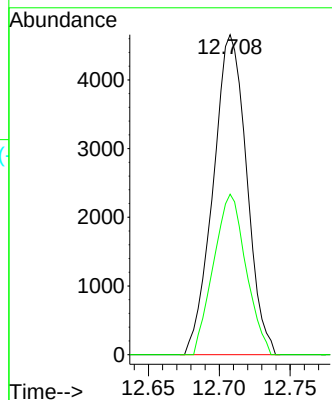
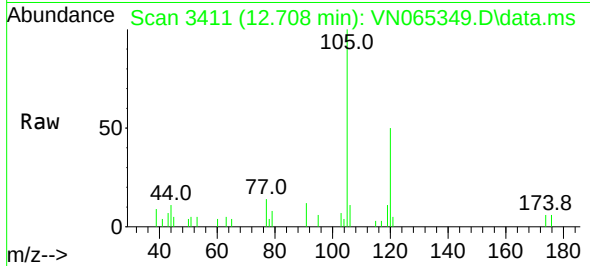




#80
1,3,5-Trimethylbenzene
Concen: 0.63 ug/l
RT: 12.708 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

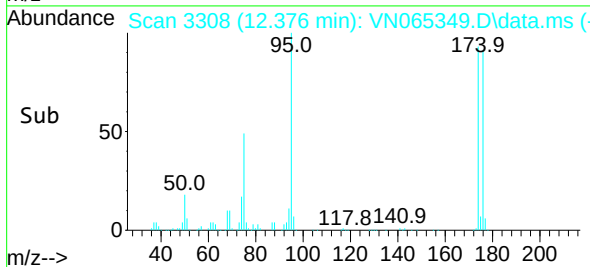
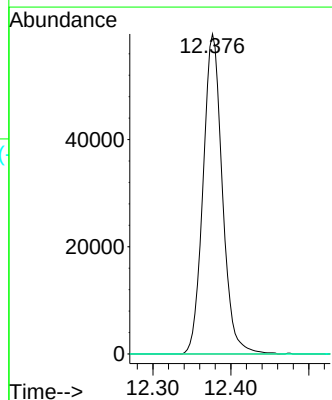
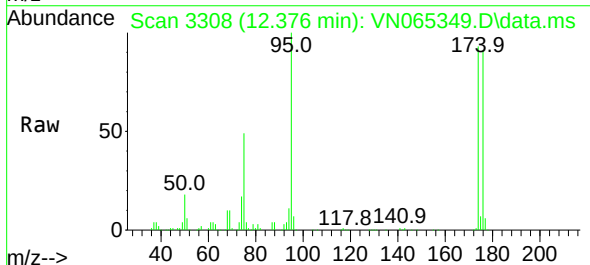
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

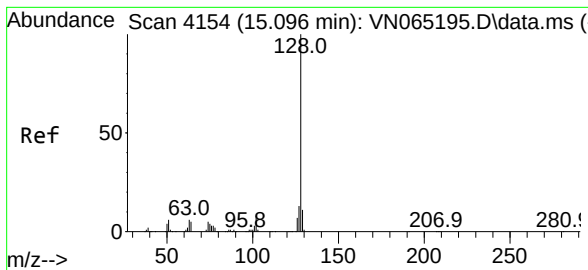
Tgt Ion:105 Resp: 7650
Ion Ratio Lower Upper
105 100
120 48.6 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 67.74 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Tgt Ion: 75 Resp: 102423
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
Naphthalene
Concen: 3.38 ug/l
RT: 15.116 min Scan# 4160
Delta R.T. 0.020 min
Lab File: VN065349.D
Acq: 31 Dec 2020 16:44

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#23

Tgt Ion:	128	Resp:	99
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

