

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065346.D
 Acq On : 31 Dec 2020 15:30
 Operator : JC/MD
 Sample : PB133875ZHE#20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133875ZHE#20

Quant Time: Jan 01 01:50:42 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)

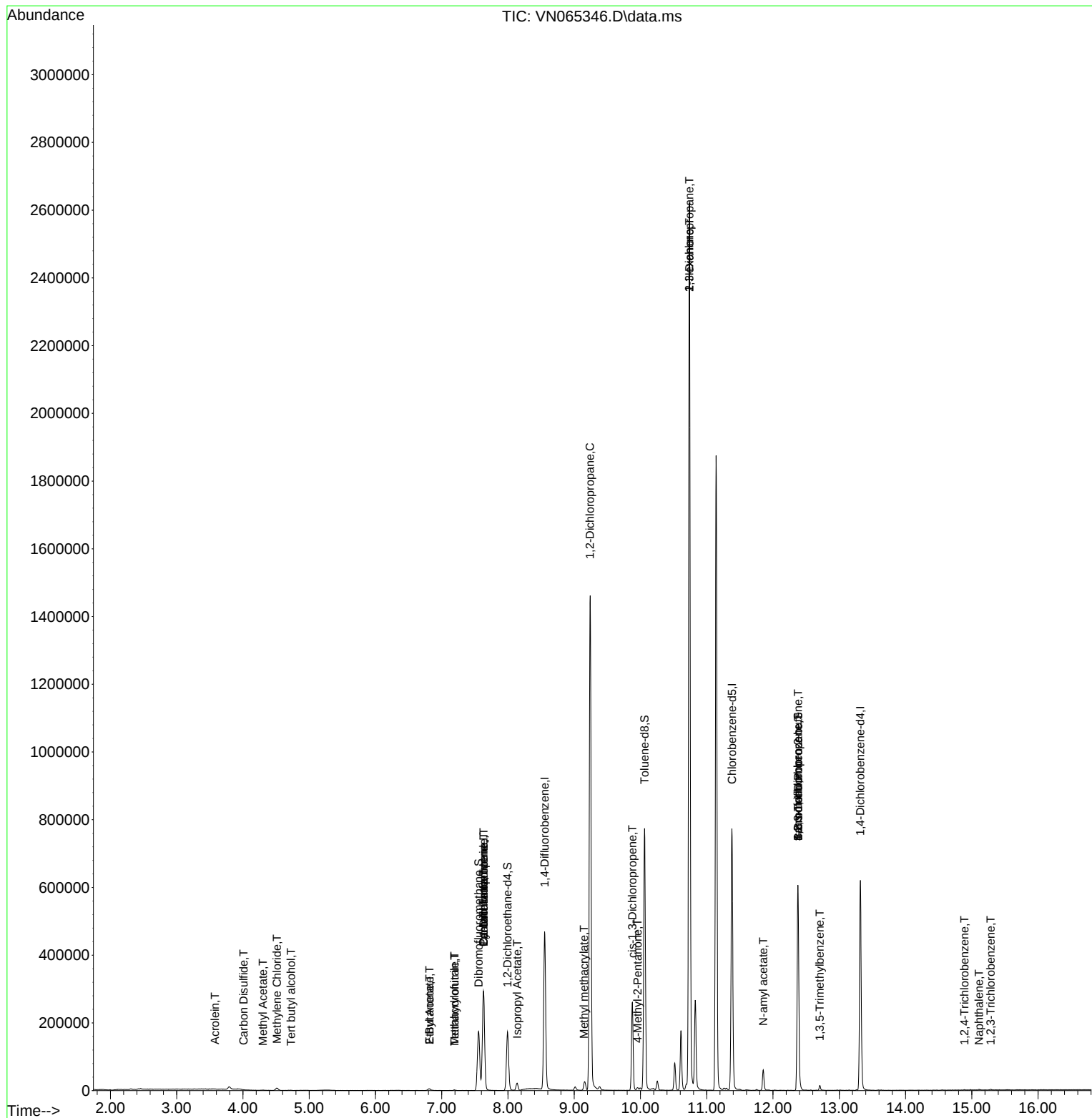
Internal Standards						
1) Pentafluorobenzene	7.630	168	267550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	445655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	480434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	192389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	150640	49.87	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.74%			
35) Dibromofluoromethane	7.556	113	136195	50.66	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.32%			
50) Toluene-d8	10.061	98	555845	55.16	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.32%			
62) 4-Bromofluorobenzene	12.376	95	215855	53.74	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.48%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.727	59	162	0.33	ug/l #	73
13) Acrolein	3.579	56	30	2.50	ug/l #	1
16) Acetone	3.791	43	11778	Below Cal		93
17) Carbon Disulfide	4.010	76	1399	0.21	ug/l #	75
18) Methyl Acetate	4.303	43	1917	0.71	ug/l #	50
20) Methylene Chloride	4.515	84	5580	1.89	ug/l	96
25) 2-Butanone	6.817	43	3270	1.93	ug/l	99
29) Tetrahydrofuran	7.193	42	1176	1.07	ug/l #	65
31) Cyclohexane	7.630	56	4457	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	16844	4.16	ug/l #	51
37) Ethyl Acetate	6.817	43	3270	0.81	ug/l #	71
38) Carbon Tetrachloride	7.630	117	23011	5.41	ug/l #	15
41) Methacrylonitrile	7.193	41	702	0.34	ug/l #	21
43) Isopropyl Acetate	8.138	43	25824	3.73	ug/l	98
45) 1,2-Dichloropropane	9.238	63	1912	0.61	ug/l #	43
48) Methyl methacrylate	9.148	41	6425	1.91	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	5824	1.50	ug/l	93
54) cis-1,3-Dichloropropene	9.878	75	49298	9.17	ug/l #	60
57) 1,3-Dichloropropane	10.736	76	28060	5.66	ug/l #	42
59) 2-Hexanone	10.736	43	378441	132.26	ug/l #	49
71) Bromoform	12.376	173	1272	0.39	ug/l #	1
74) N-amyl acetate	11.852	43	18996	3.26	ug/l #	51
76) 1,2,3-Trichloropropane	12.376	75	105103	26.78	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.707	105	8327	0.67	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.376	75	105103	67.52	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.887	180	936	3.06	ug/l #	76
95) Naphthalene	15.109	128	2652	3.62	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.286	180	1026	3.49	ug/l #	83

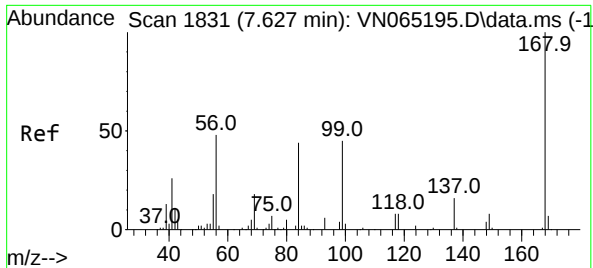
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN065346.D
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Sample : PB133875ZHE#20
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
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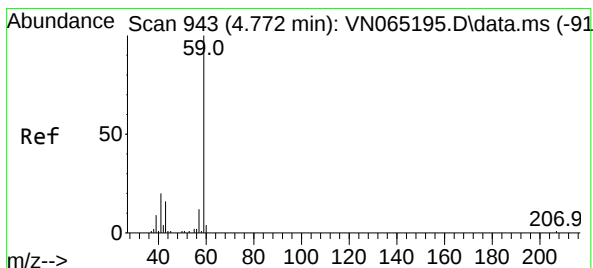
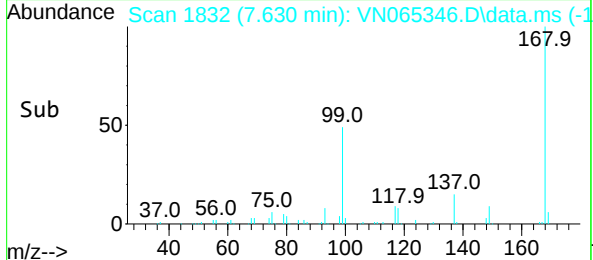
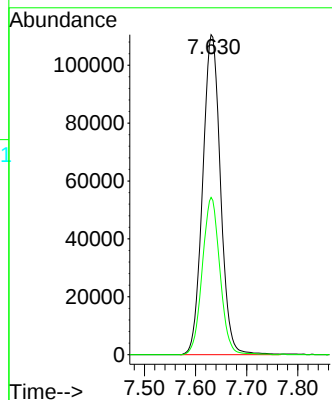
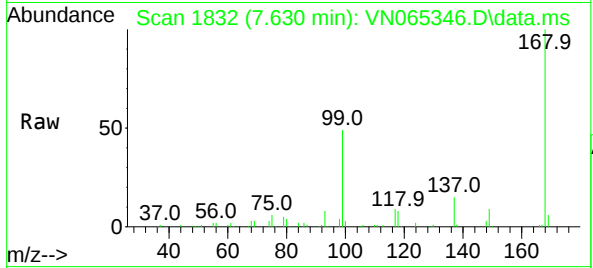




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

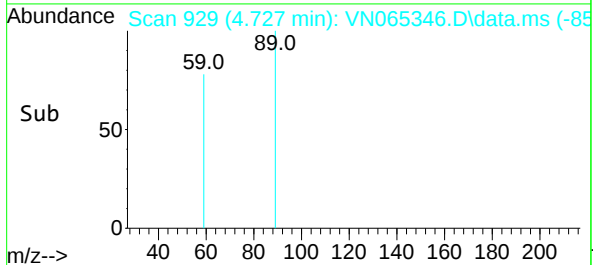
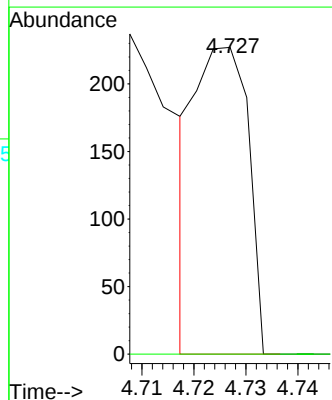
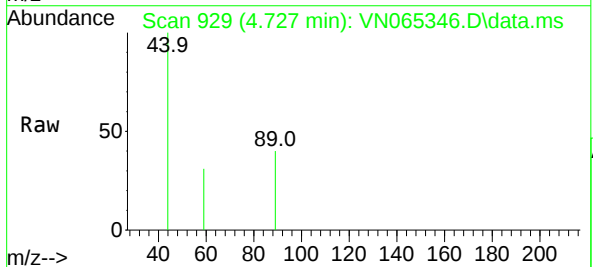
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

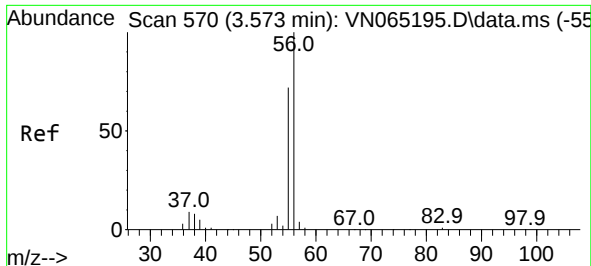
Tgt Ion:168 Resp: 267550
Ion Ratio Lower Upper
168 100
99 49.1 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.33 ug/l
RT: 4.727 min Scan# 929
Delta R.T. -0.045 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

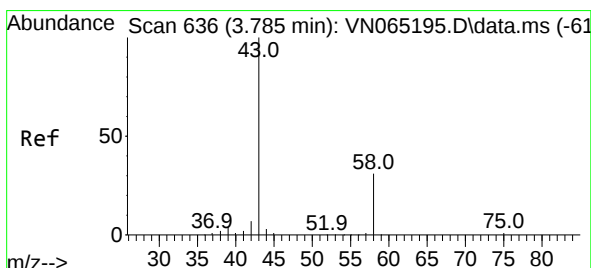
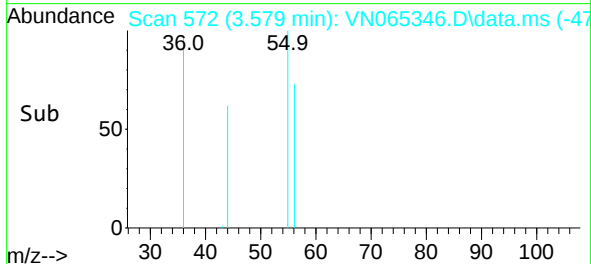
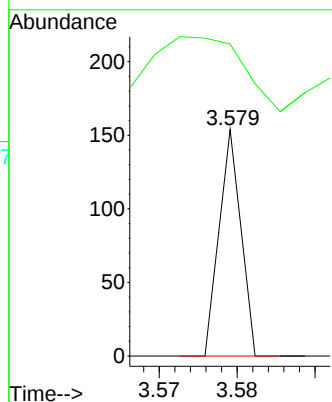
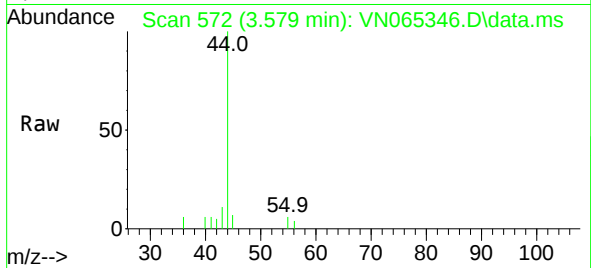




#13
Acrolein
Concen: 2.50 ug/l
RT: 3.579 min Scan# 572
Delta R.T. 0.006 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

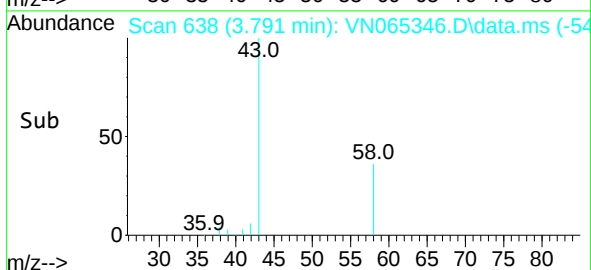
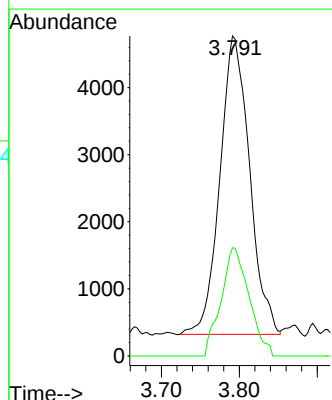
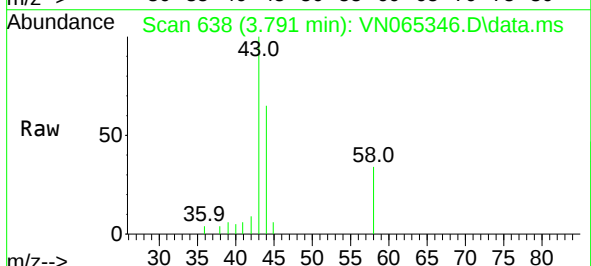
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

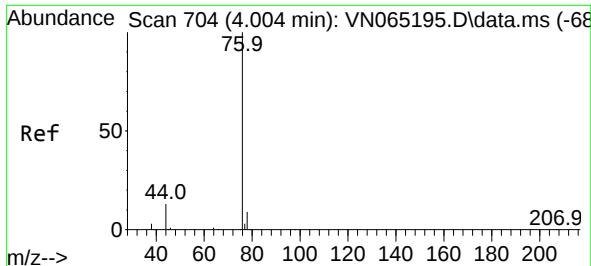
Tgt Ion: 56 Resp: 30
Ion Ratio Lower Upper
56 100
55 1096.7 56.5 84.7#



#16
Acetone
Concen: Below Cal
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

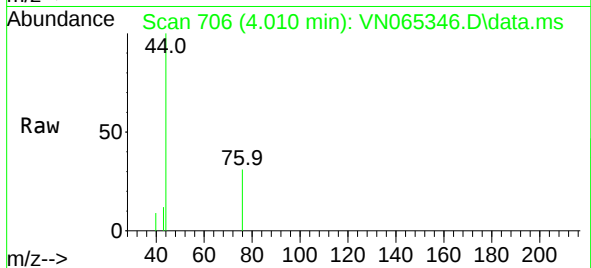
Tgt Ion: 43 Resp: 11778
Ion Ratio Lower Upper
43 100
58 36.2 25.7 38.5



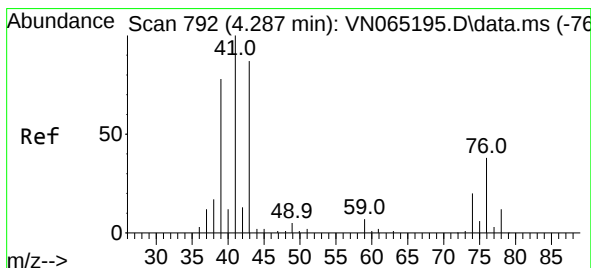
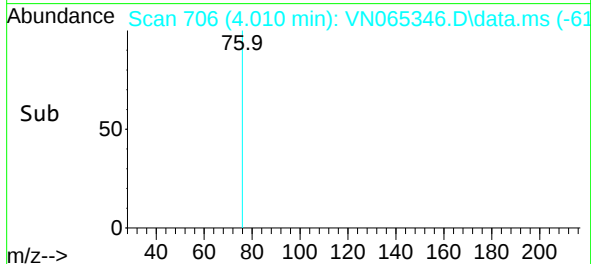
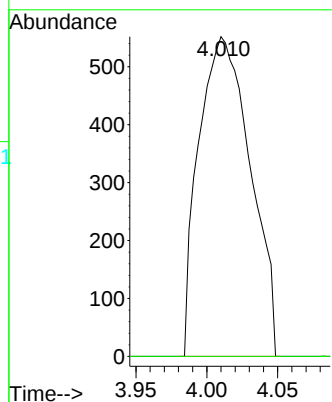


#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 4.010 min Scan# 706
Delta R.T. 0.006 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

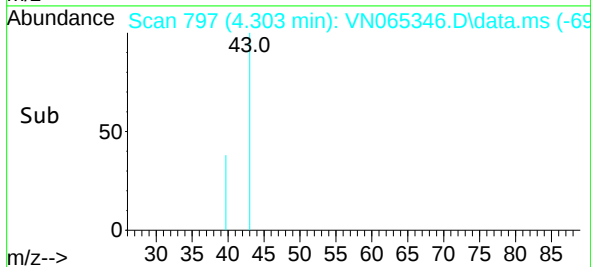
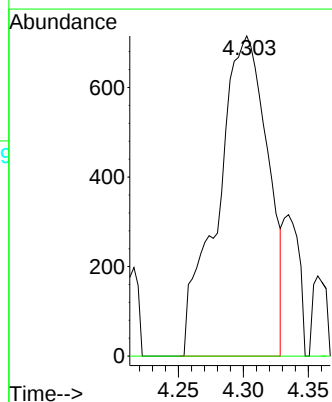
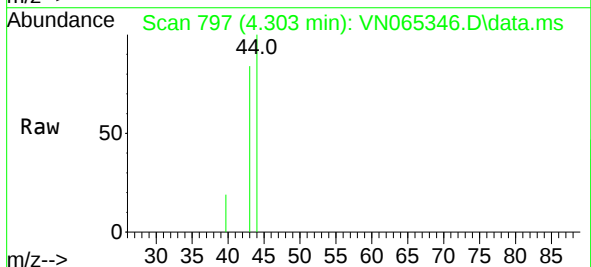


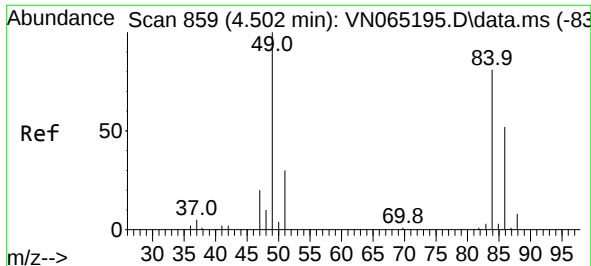
Tgt Ion: 76 Resp: 1399
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.71 ug/l
RT: 4.303 min Scan# 797
Delta R.T. 0.016 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

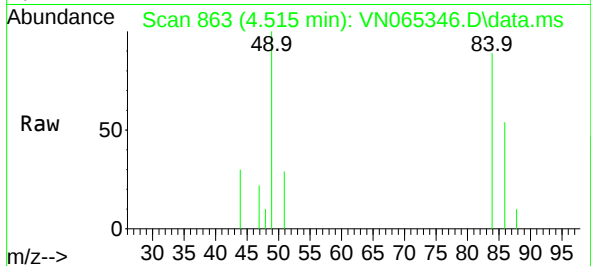
Tgt Ion: 43 Resp: 1917
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



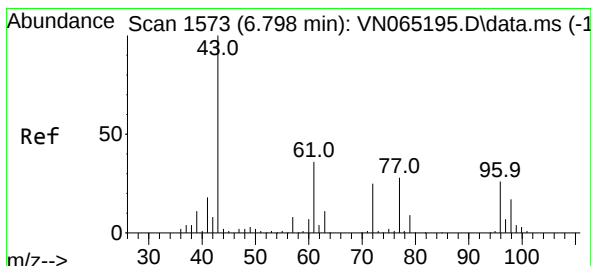
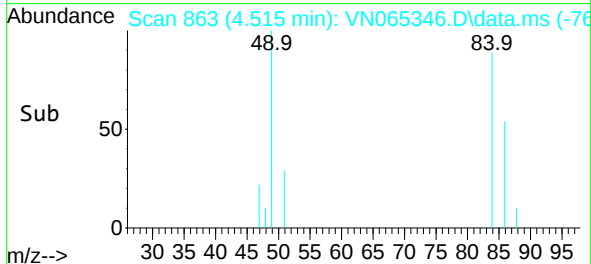
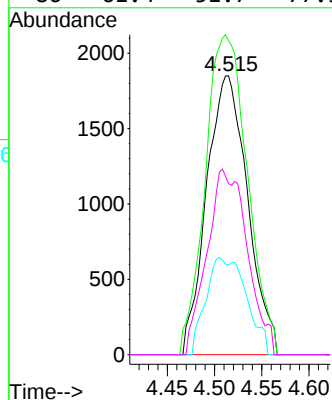


#20
Methylene Chloride
Concen: 1.89 ug/l
RT: 4.515 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

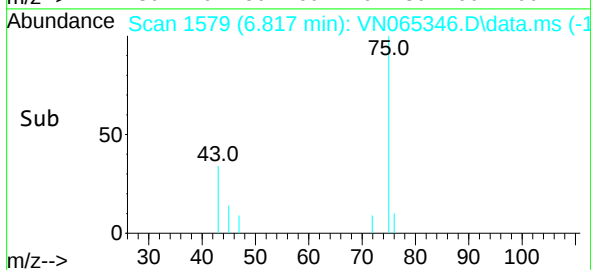
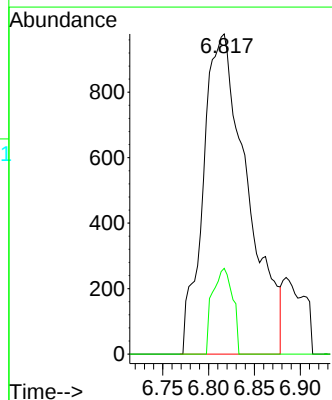
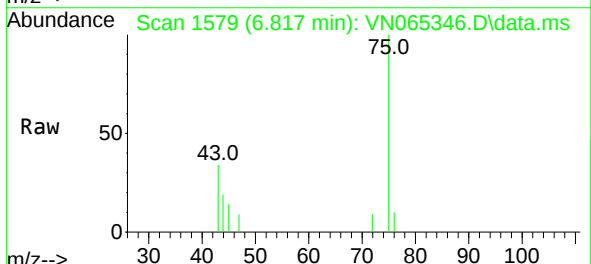


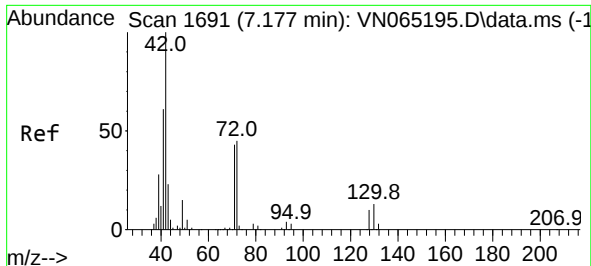
Tgt Ion:	84	Resp:	5580
Ion	Ratio	Lower	Upper
84	100		
49	112.6	93.4	140.0
51	32.2	28.2	42.4
86	61.4	51.7	77.5



#25
2-Butanone
Concen: 1.93 ug/l
RT: 6.817 min Scan# 1579
Delta R.T. 0.019 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Tgt Ion:	43	Resp:	3270
Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.0	31.6





#29

Tetrahydrofuran

Concen: 1.07 ug/l

RT: 7.193 min Scan# 1696

Delta R.T. 0.016 min

Lab File: VN065346.D

Acq: 31 Dec 2020 15:30

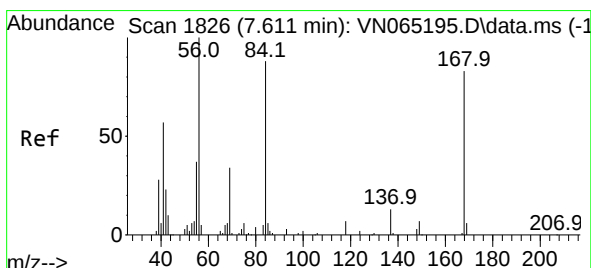
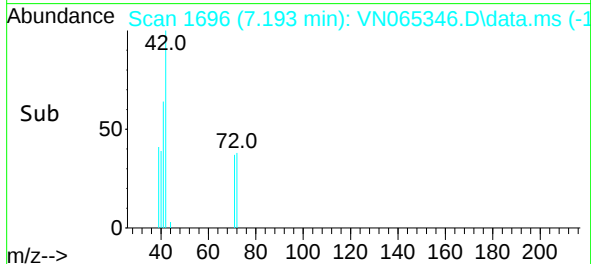
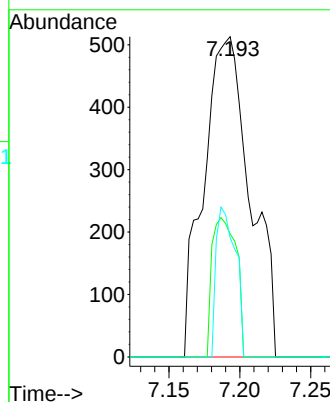
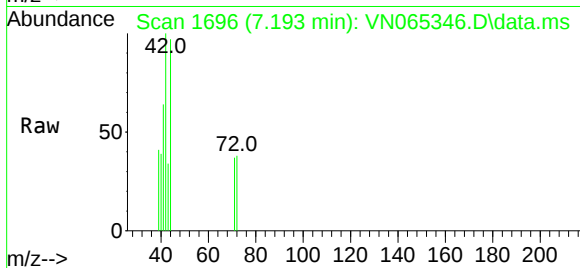
Instrument :

MSVOA_N

ClientSampleId :

PB133875ZHE#20

Tgt Ion:	42	Resp:	1176
Ion	Ratio	Lower	Upper
42	100		
72	22.5	36.6	54.8#
71	19.4	33.6	50.4#



#31

Cyclohexane

Concen: 1.00 ug/l

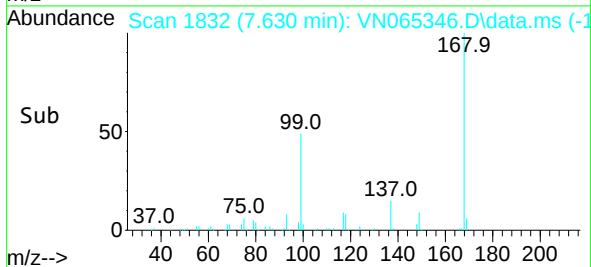
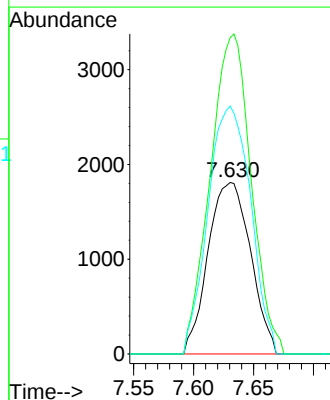
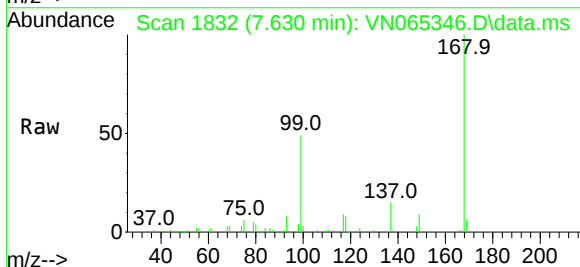
RT: 7.630 min Scan# 1832

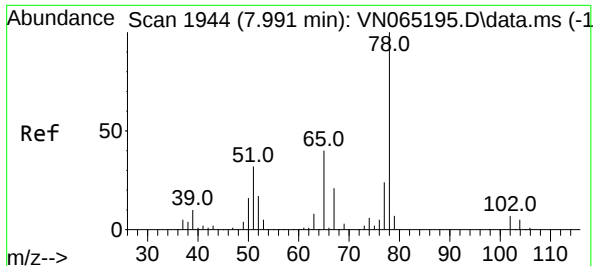
Delta R.T. 0.019 min

Lab File: VN065346.D

Acq: 31 Dec 2020 15:30

Tgt Ion:	56	Resp:	4457
Ion	Ratio	Lower	Upper
56	100		
69	184.3	27.5	41.3#
84	144.5	73.9	110.9#

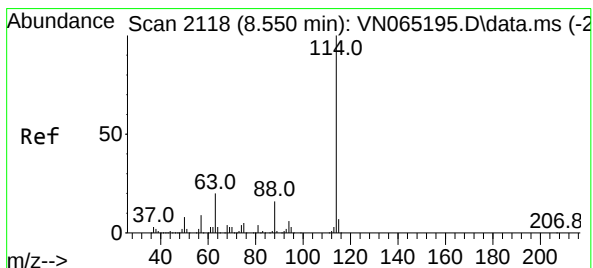
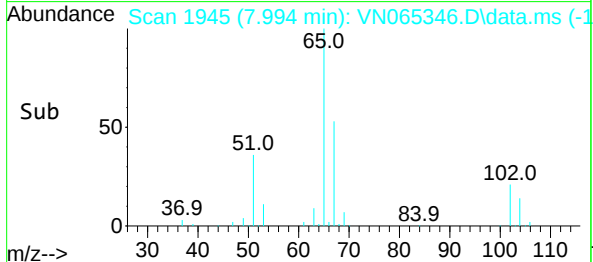
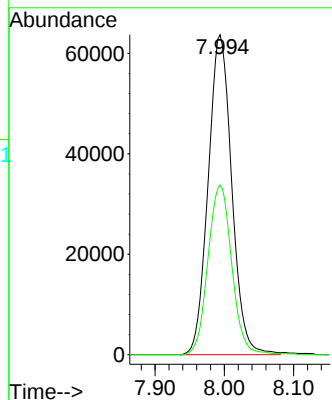
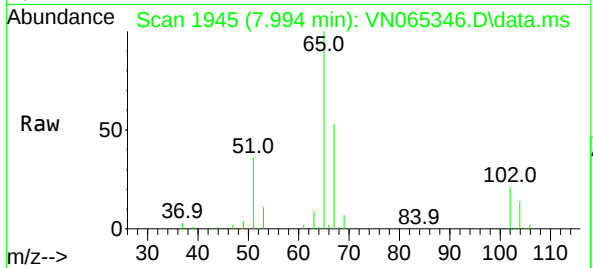




#33
1,2-Dichloroethane-d4
Concen: 49.87 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

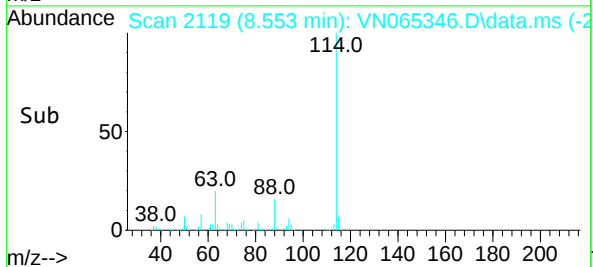
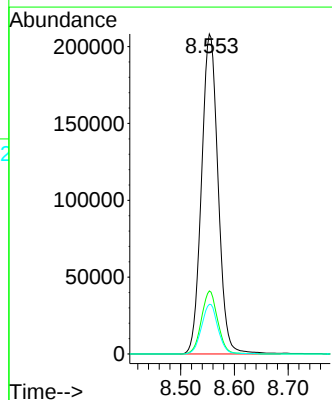
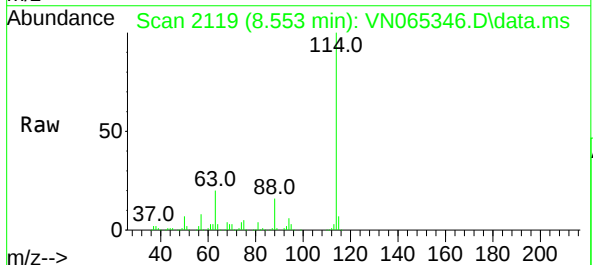
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

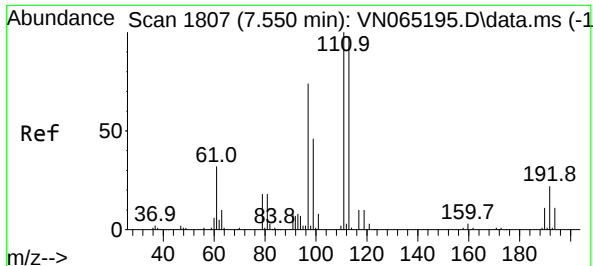
Tgt Ion: 65 Resp: 150640
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

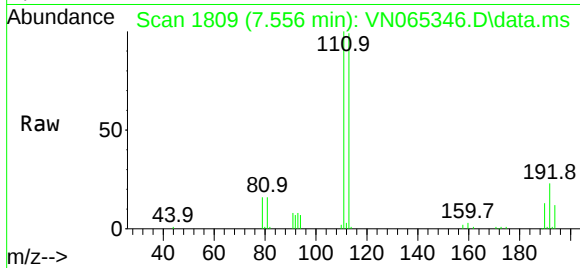
Tgt Ion: 114 Resp: 445655
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.6
88 15.5 0.0 32.6



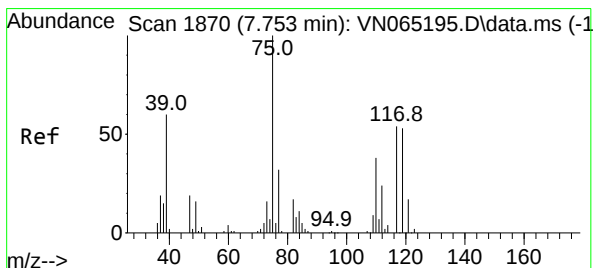
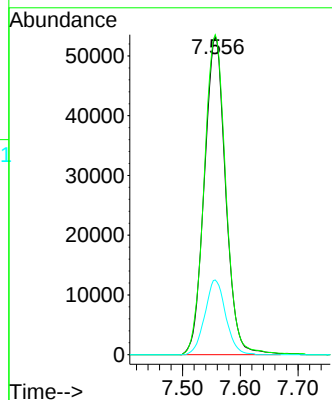
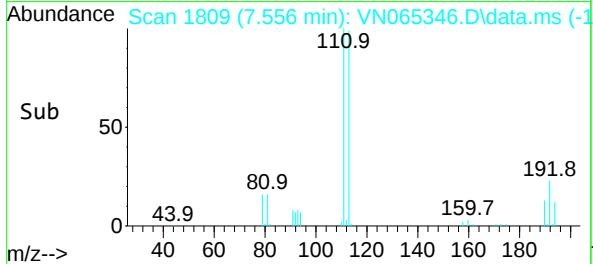


#35
Dibromofluoromethane
Concen: 50.66 ug/l
RT: 7.556 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

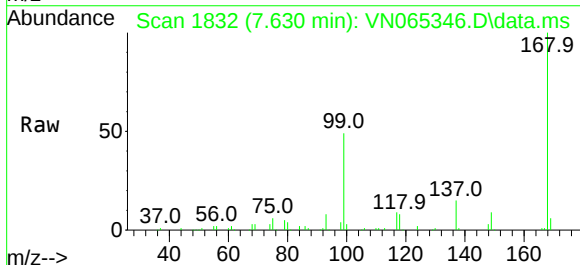
Instrument :
MSVOA_N
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PB133875ZHE#20



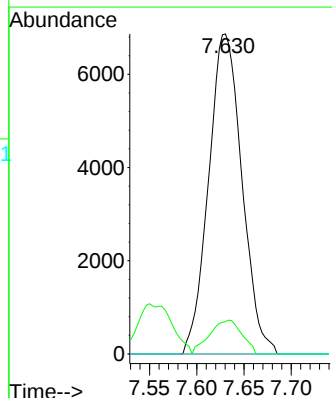
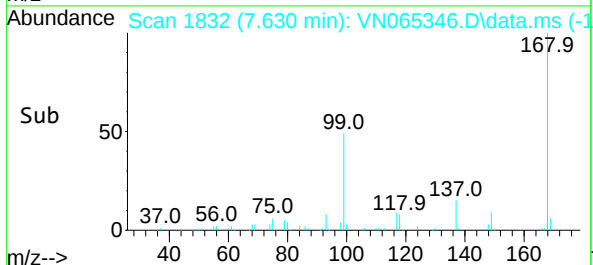
Tgt Ion:113 Resp: 136195
Ion Ratio Lower Upper
113 100
111 102.5 81.6 122.4
192 23.0 16.2 24.2

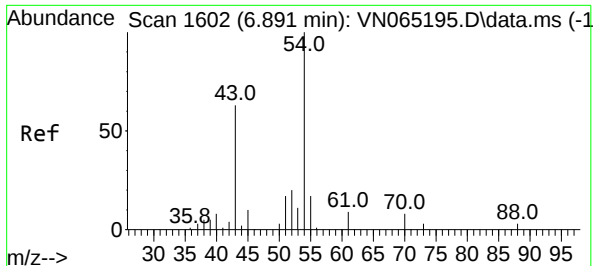


#36
1,1-Dichloropropene
Concen: 4.16 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30



Tgt Ion: 75 Resp: 16844
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.81 ug/l

RT: 6.817 min Scan# 1579

Delta R.T. -0.074 min

Lab File: VN065346.D

Acq: 31 Dec 2020 15:30

Instrument :

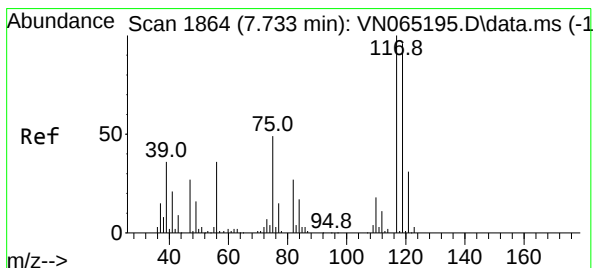
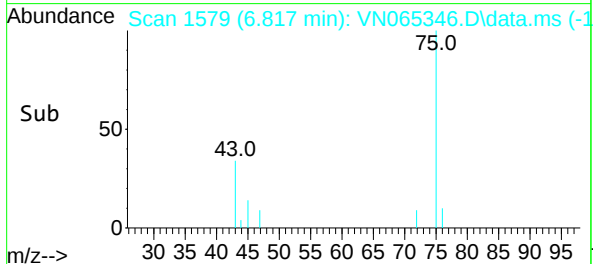
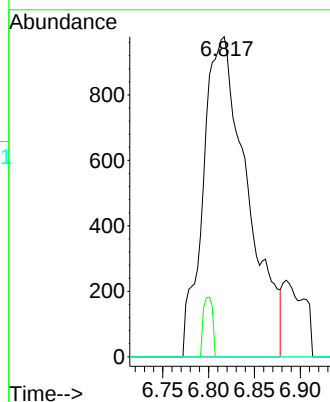
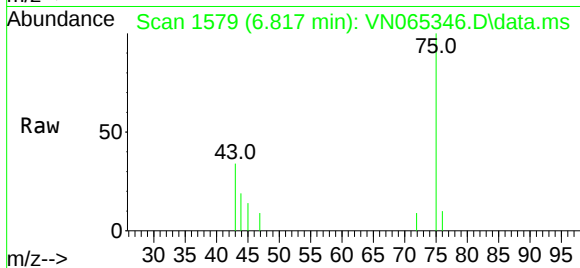
MSVOA_N

ClientSampleId :

PB133875ZHE#20

Tgt Ion: 43 Resp: 3270

Ion	Ratio	Lower	Upper
43	100		
61	3.9	12.8	19.2#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.41 ug/l

RT: 7.630 min Scan# 1832

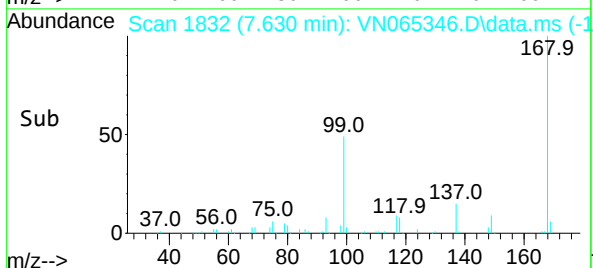
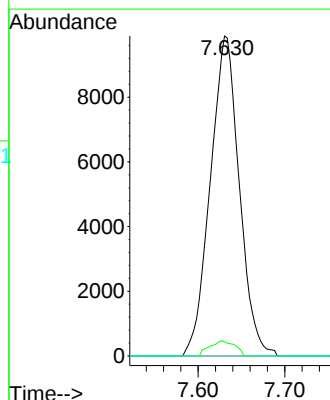
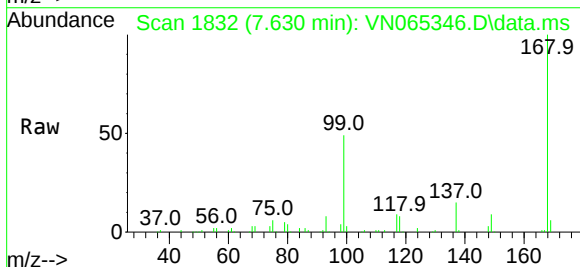
Delta R.T. -0.103 min

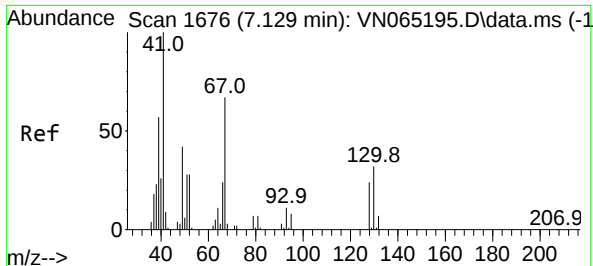
Lab File: VN065346.D

Acq: 31 Dec 2020 15:30

Tgt Ion: 117 Resp: 23011

Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.7	115.1#
121	0.0	25.4	38.2#

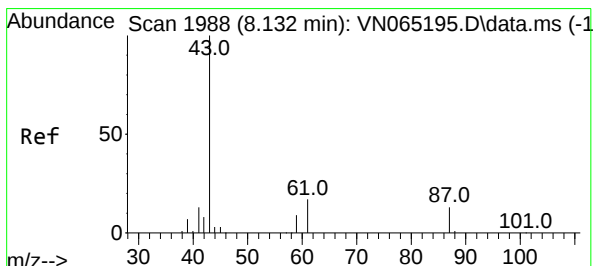
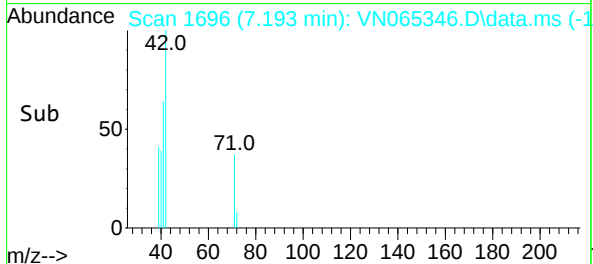
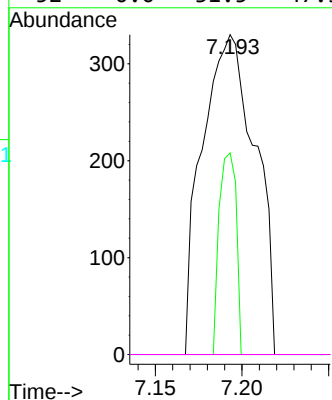
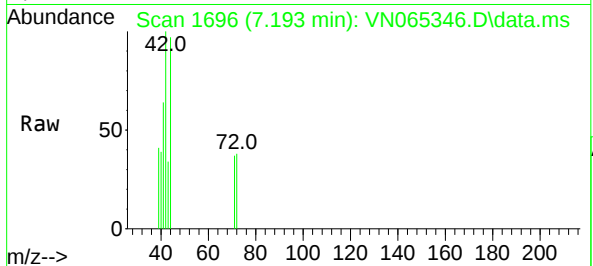




#41
Methacrylonitrile
Concen: 0.34 ug/l
RT: 7.193 min Scan# 1696
Delta R.T. 0.064 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

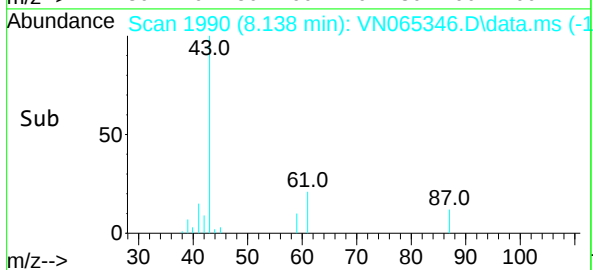
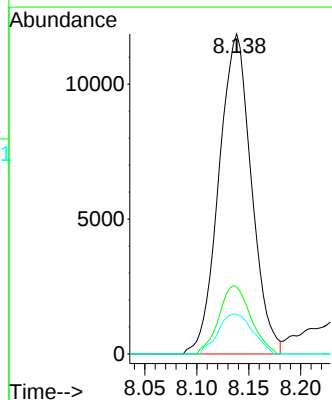
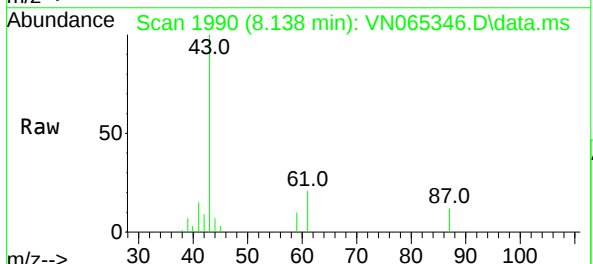
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

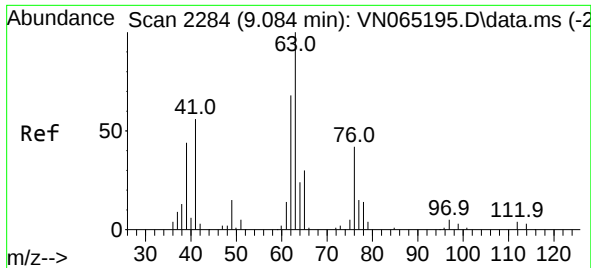
Tgt Ion:	41	Resp:	702
Ion	Ratio	Lower	Upper
41	100		
39	20.2	51.0	76.6#
67	0.0	79.8	119.8#
52	0.0	31.5	47.3#



#43
Isopropyl Acetate
Concen: 3.73 ug/l
RT: 8.138 min Scan# 1990
Delta R.T. 0.006 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Tgt Ion:	43	Resp:	25824
Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.2	25.8
87	13.2	11.4	17.0

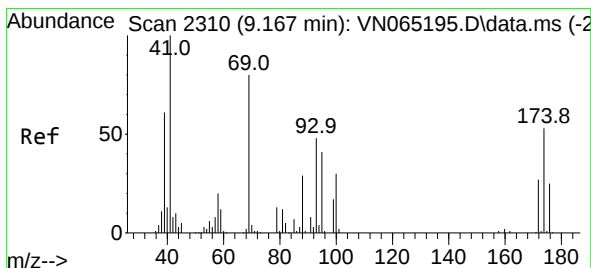
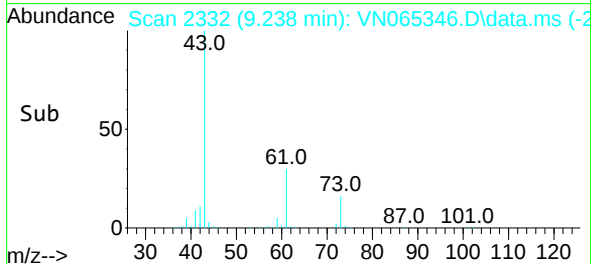
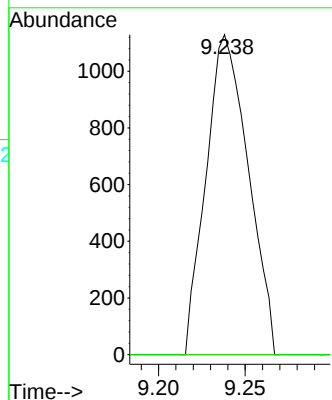
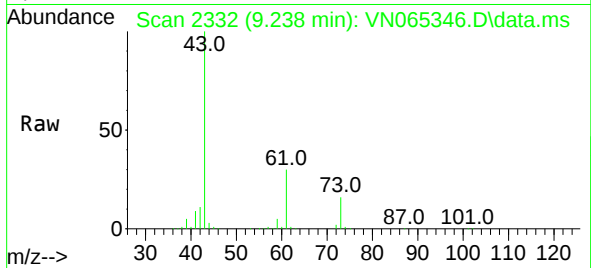




#45
1,2-Dichloropropane
Concen: 0.61 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

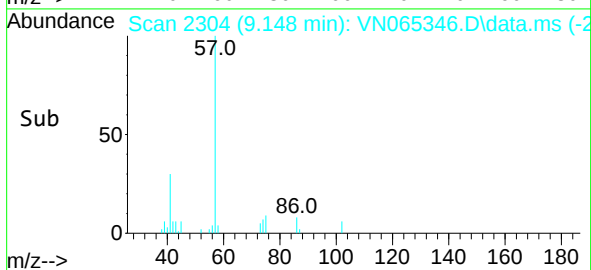
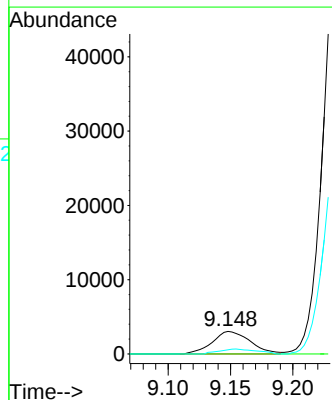
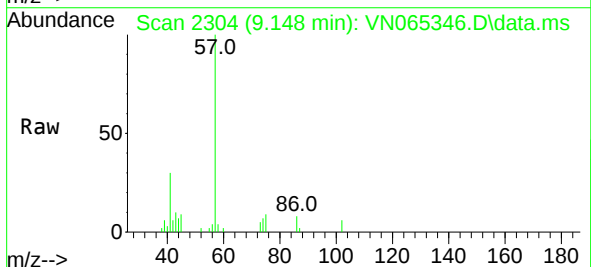
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

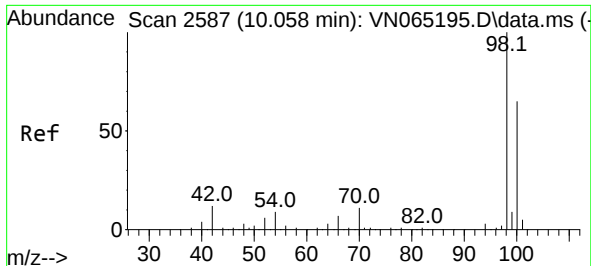
Tgt Ion: 63 Resp: 1912
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.91 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Tgt Ion: 41 Resp: 6425
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

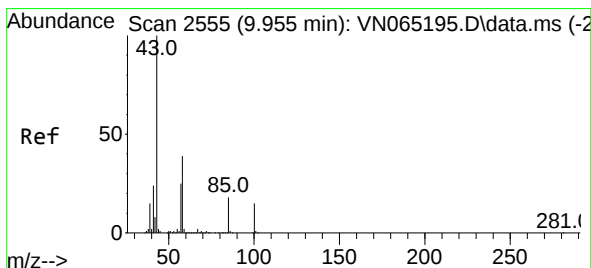
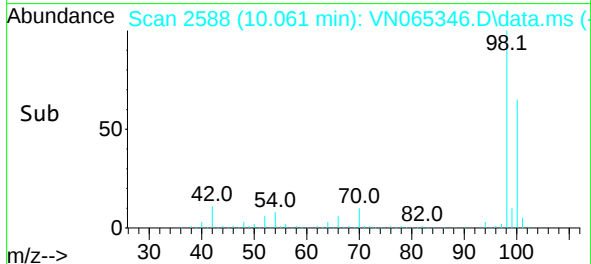
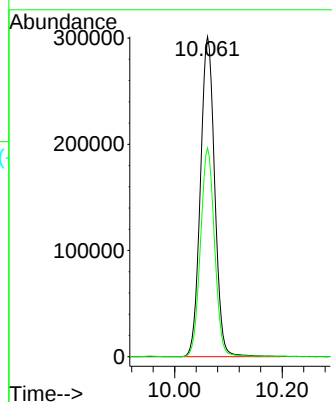
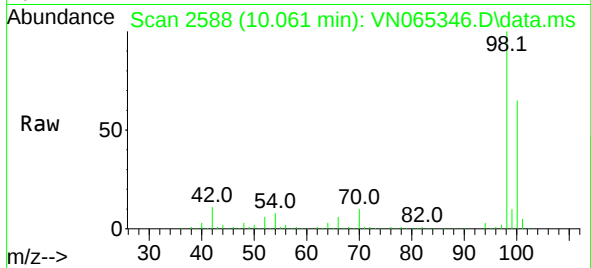




#50
Toluene-d8
Concen: 55.16 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

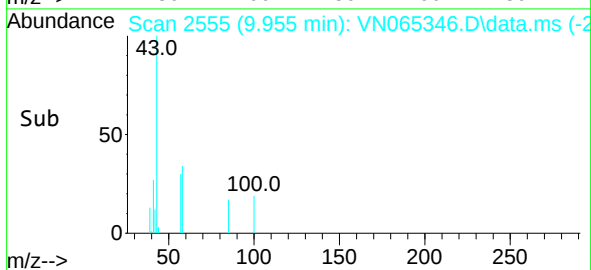
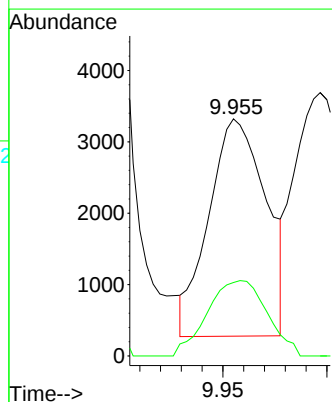
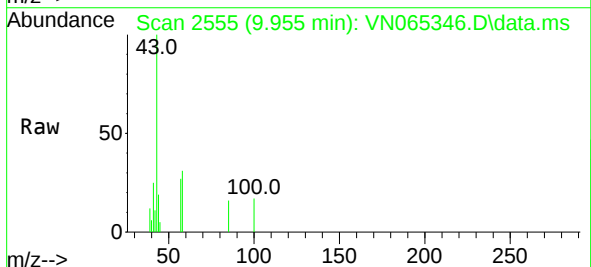
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

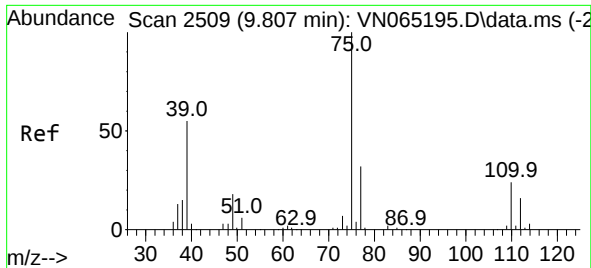
Tgt Ion: 98 Resp: 555845
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.50 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Tgt Ion: 43 Resp: 5824
Ion Ratio Lower Upper
43 100
58 36.3 32.4 48.6

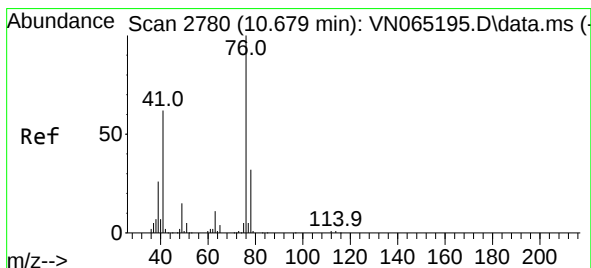
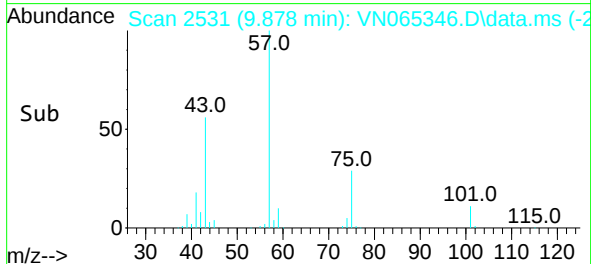
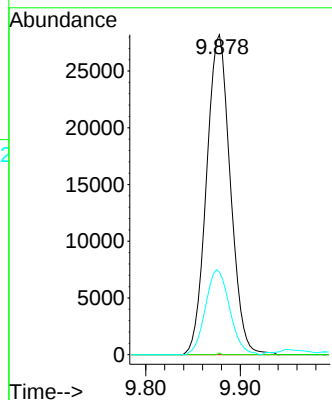
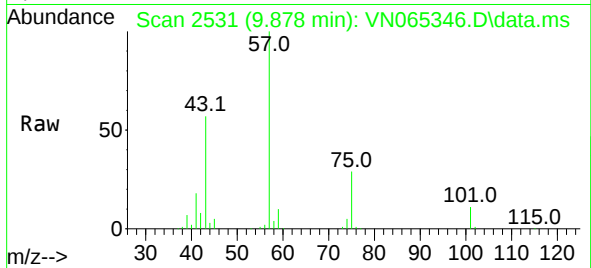




#54
cis-1,3-Dichloropropene
Concen: 9.17 ug/l
RT: 9.878 min Scan# 2531
Delta R.T. 0.071 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

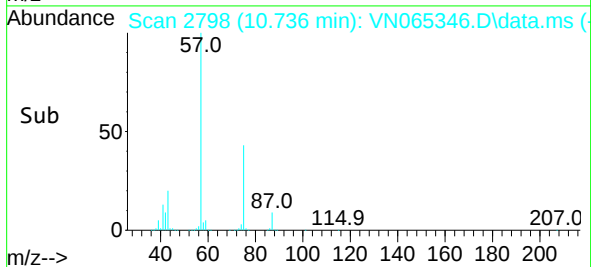
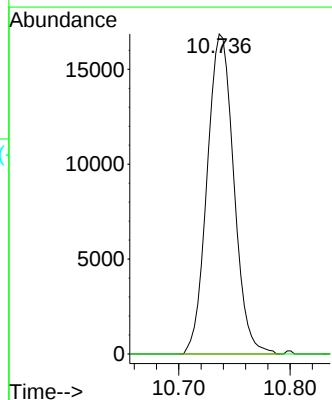
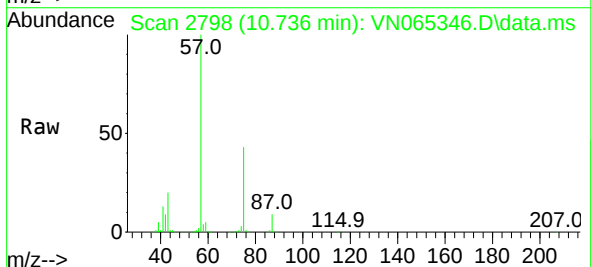
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

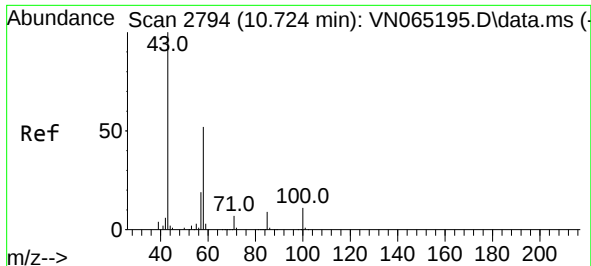
Tgt Ion: 75 Resp: 49298
Ion Ratio Lower Upper
75 100
77 0.5 25.5 38.3#
39 25.9 35.6 53.4#



#57
1,3-Dichloropropane
Concen: 5.66 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Tgt Ion: 76 Resp: 28060
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

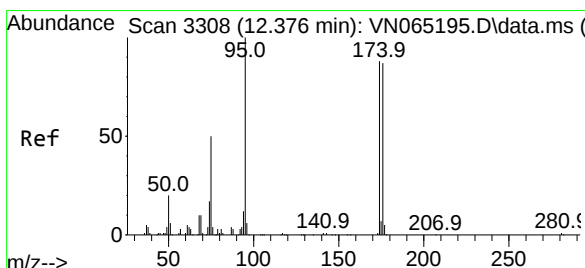
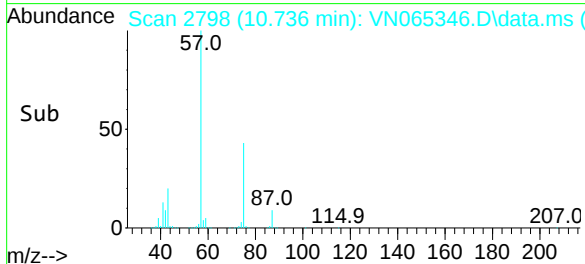
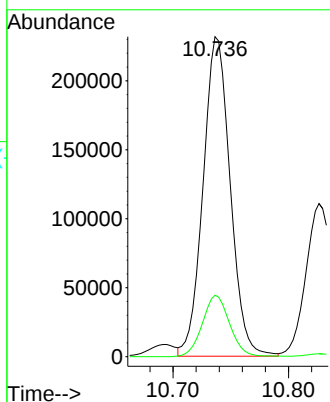
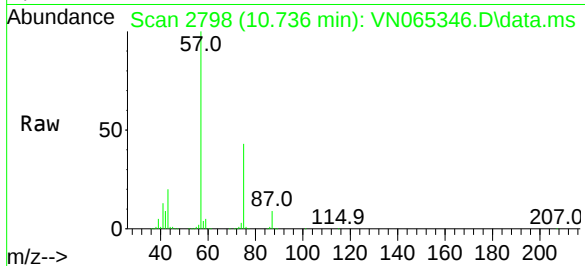




#59
2-Hexanone
Concen: 132.26 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

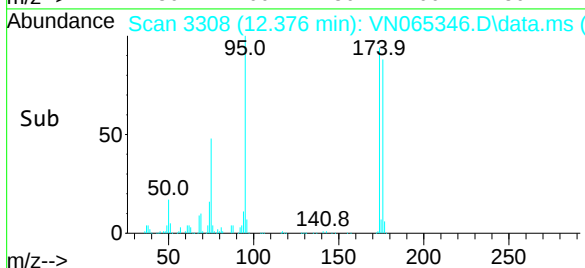
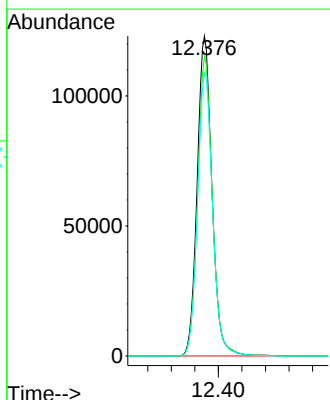
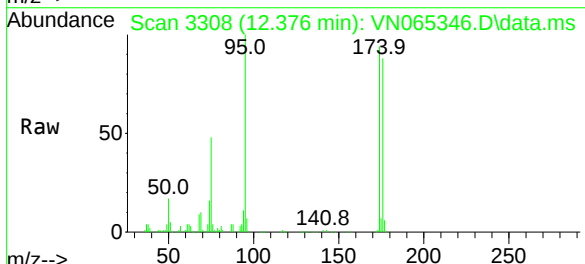
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MSVOA_N
ClientSampleId :
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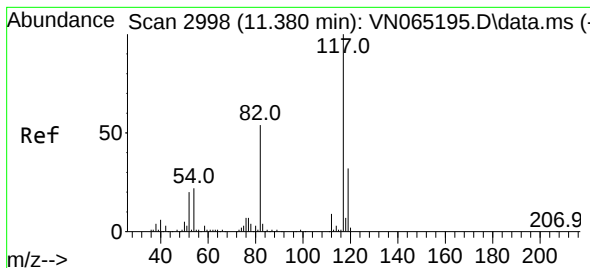
Tgt Ion: 43 Resp: 378441
Ion Ratio Lower Upper
43 100
58 19.4 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.74 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

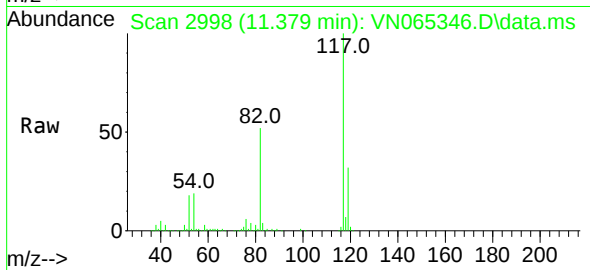
Tgt Ion: 95 Resp: 215855
Ion Ratio Lower Upper
95 100
174 93.1 0.0 160.4
176 89.3 0.0 158.4



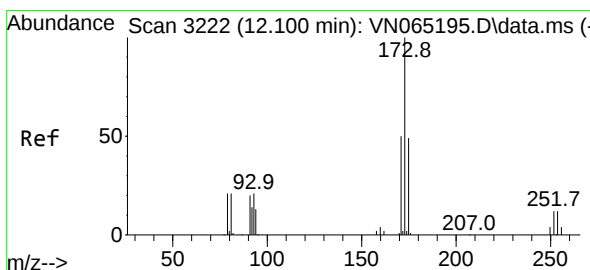
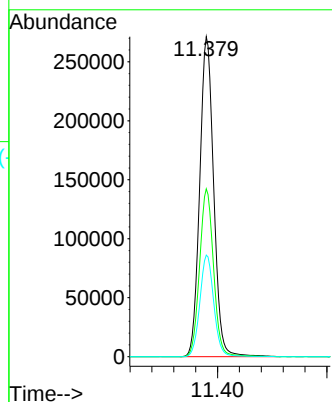
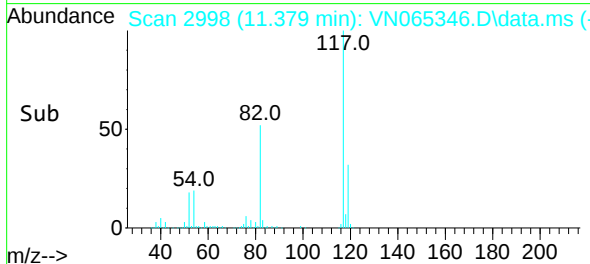


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

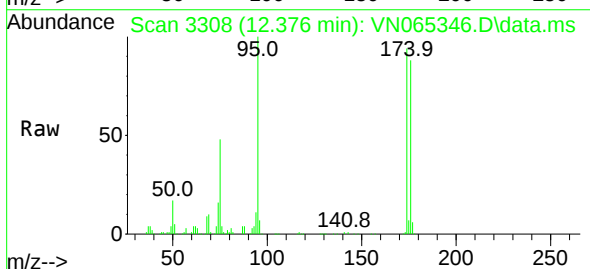
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20



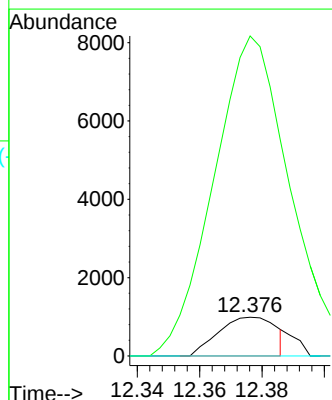
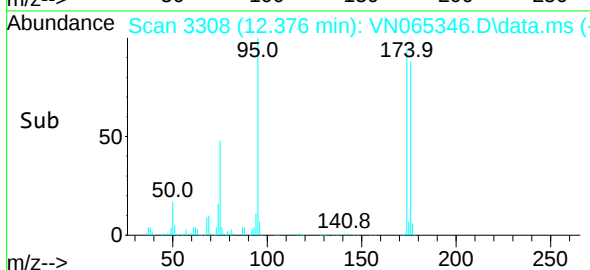
Tgt Ion:117 Resp: 480434
Ion Ratio Lower Upper
117 100
82 52.4 44.2 66.2
119 31.7 25.8 38.6

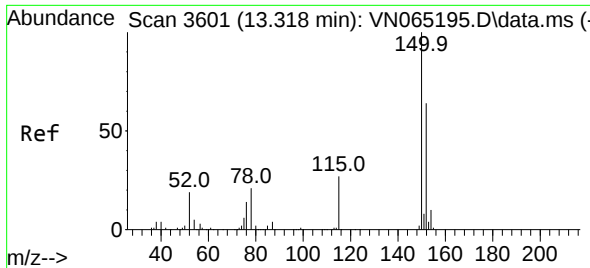


#71
Bromoform
Concen: 0.39 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30



Tgt Ion:173 Resp: 1272
Ion Ratio Lower Upper
173 100
175 885.9 24.3 72.8#
254 0.0 0.0 0.0

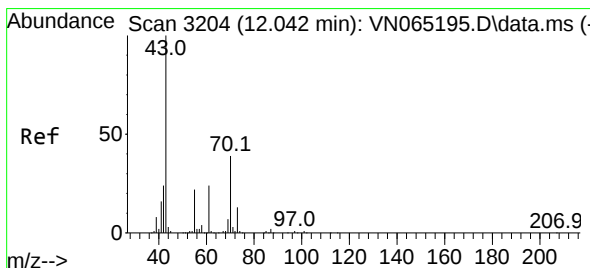
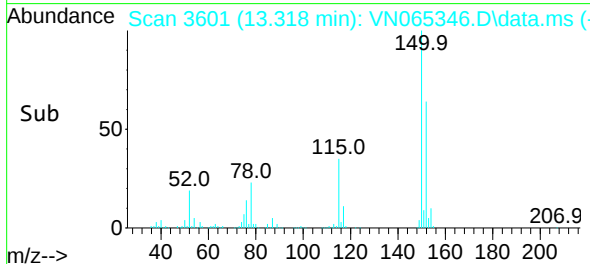
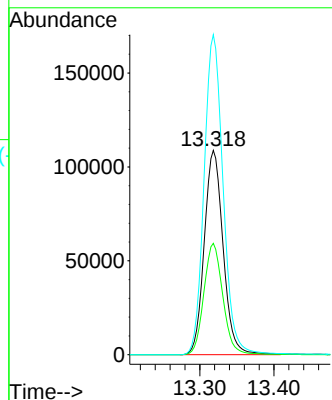
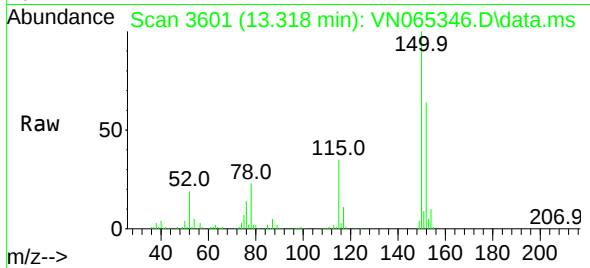




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

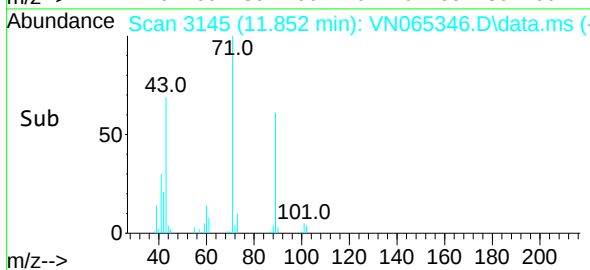
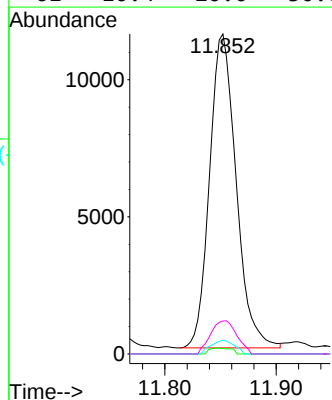
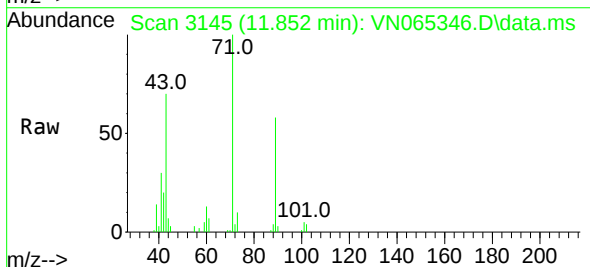
Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

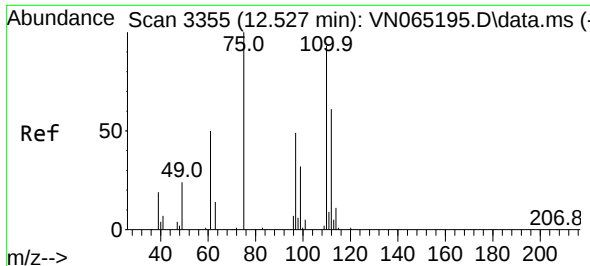
Tgt Ion:152 Resp: 192389
Ion Ratio Lower Upper
152 100
115 54.5 29.7 89.1
150 157.8 0.0 350.6



#74
N-ethyl acetate
Concen: 3.26 ug/l
RT: 11.852 min Scan# 3145
Delta R.T. -0.190 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

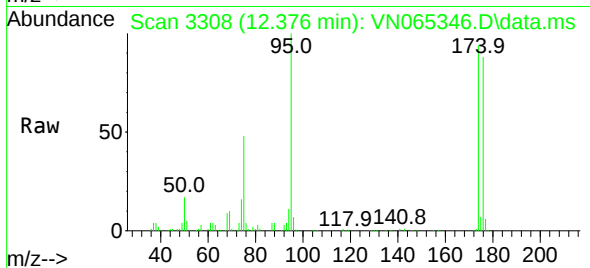
Tgt Ion: 43 Resp: 18996
Ion Ratio Lower Upper
43 100
70 1.5 34.5 51.7#
55 3.8 20.4 30.6#
61 10.4 20.0 30.0#



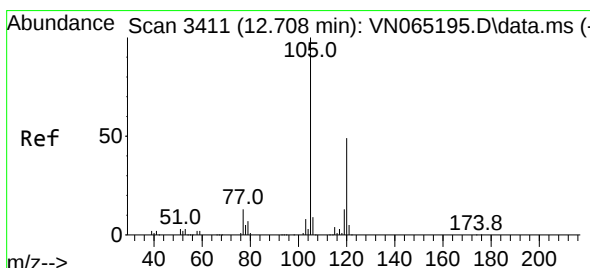
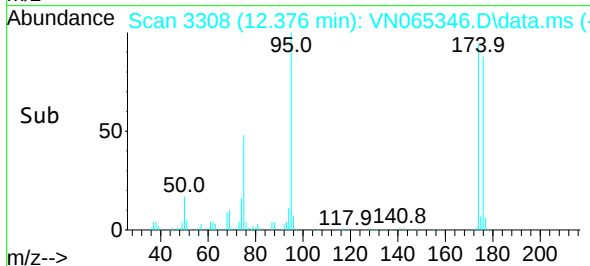
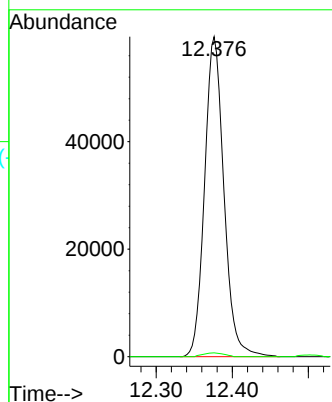


#76
1,2,3-Trichloropropane
Concen: 26.78 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

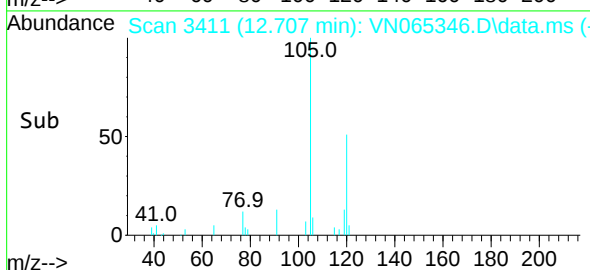
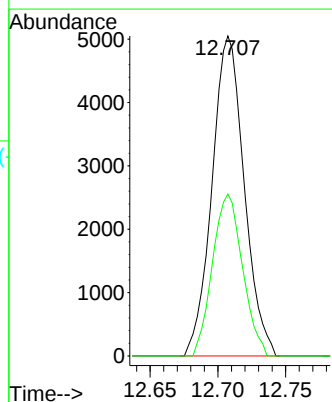
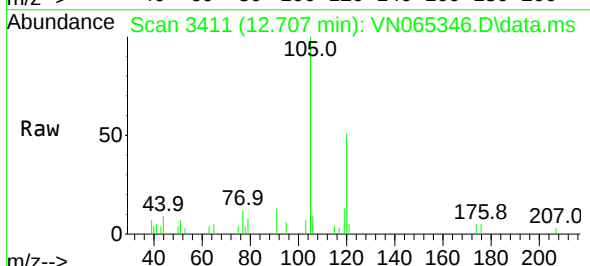


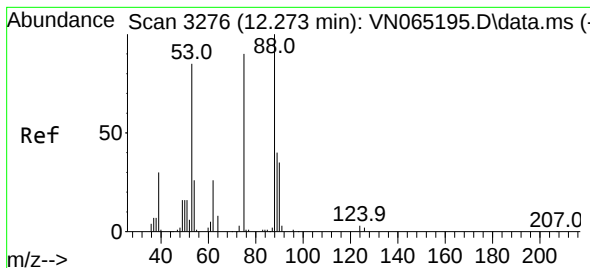
Tgt Ion: 75 Resp: 105103
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.67 ug/l
RT: 12.707 min Scan# 3411
Delta R.T. -0.001 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

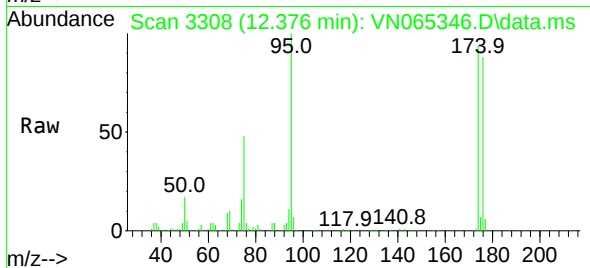
Tgt Ion: 105 Resp: 8327
Ion Ratio Lower Upper
105 100
120 47.1 24.6 73.6



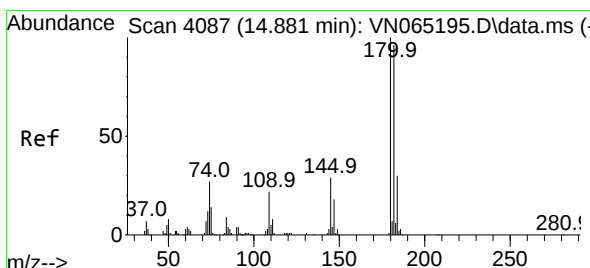
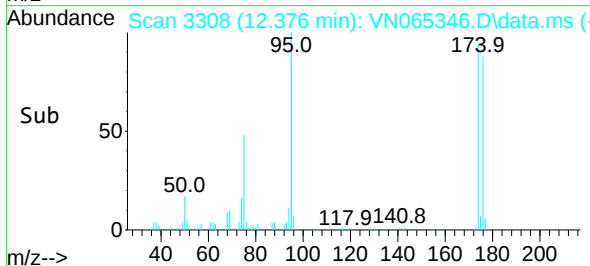
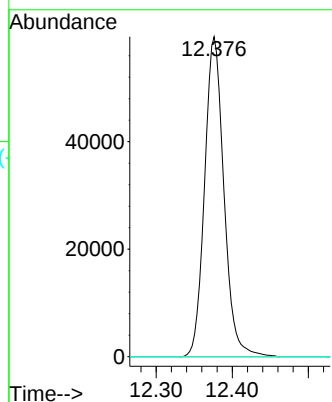


#81
trans-1,4-Dichloro-2-butene
Concen: 67.52 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

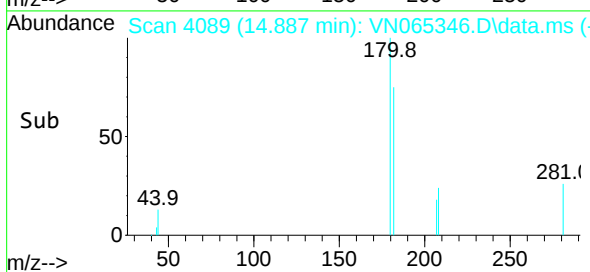
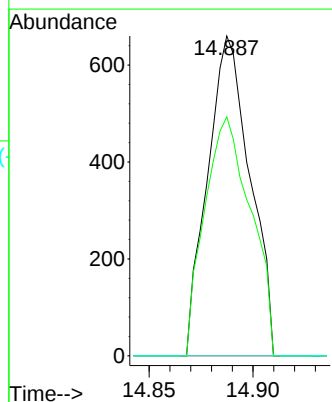
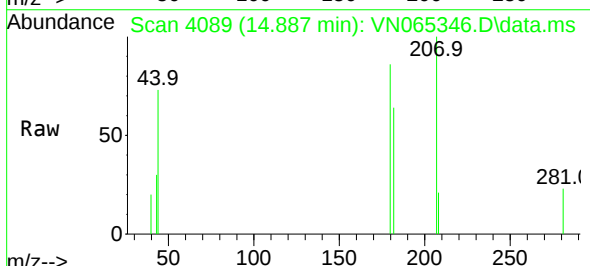


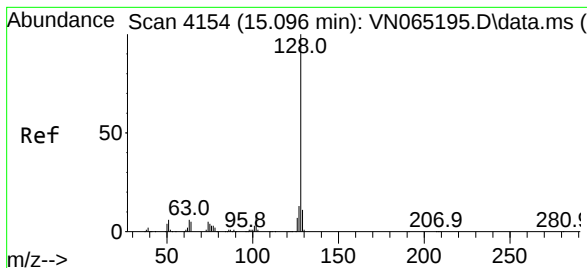
Tgt Ion: 75 Resp: 105103
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.06 ug/l
RT: 14.887 min Scan# 4089
Delta R.T. 0.006 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Tgt Ion: 180 Resp: 936
Ion Ratio Lower Upper
180 100
182 81.4 47.6 142.9
145 0.0 15.3 45.8#

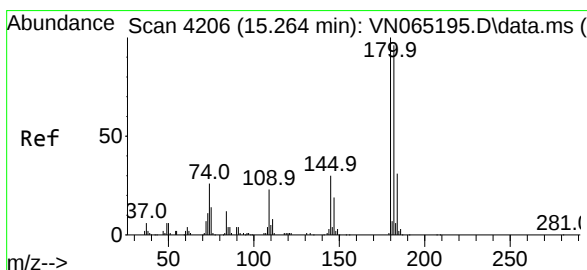
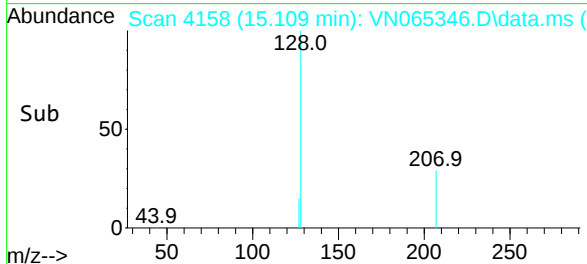
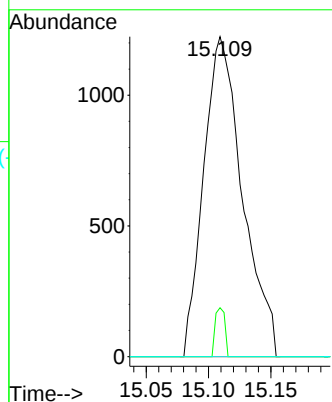
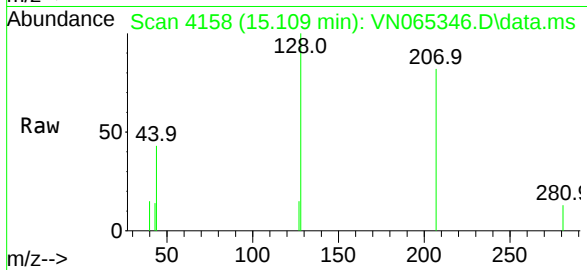




#95
Naphthalene
Concen: 3.62 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.013 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB133875ZHE#20

Tgt Ion:128 Resp: 2652
Ion Ratio Lower Upper
128 100
127 3.8 10.3 15.5#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.49 ug/l
RT: 15.286 min Scan# 4213
Delta R.T. 0.022 min
Lab File: VN065346.D
Acq: 31 Dec 2020 15:30

Tgt Ion:180 Resp: 1026
Ion Ratio Lower Upper
180 100
182 104.5 48.1 144.4
145 9.1 16.4 49.1#

