

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065360.D
 Acq On : 31 Dec 2020 21:18
 Operator : JC/MD
 Sample : L5242-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-3(474+26)

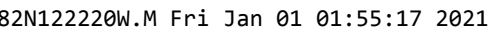
Quant Time: Jan 01 01:55:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

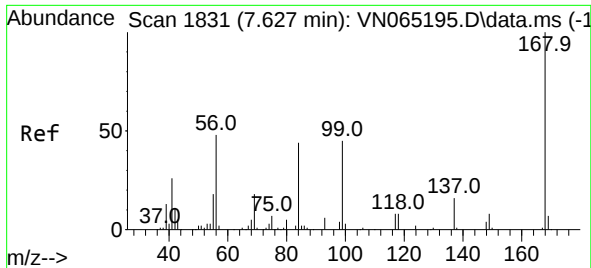
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.630	168	256485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	424258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	457238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	191579	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	146330	50.54	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.08%			
35) Dibromofluoromethane	7.557	113	129967	50.78	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.56%			
50) Toluene-d8	10.061	98	535366	55.81	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 111.62%			
62) 4-Bromofluorobenzene	12.376	95	207848	54.30	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.60%			
Target Compounds						Qvalue
8) Diethyl Ether	3.393	74	823	0.50	ug/l	94
11) Tert butyl alcohol	4.788	59	284	0.60	ug/l #	73
16) Acetone	3.798	43	21571	7.31	ug/l	97
18) Methyl Acetate	4.309	43	2930	1.13	ug/l #	58
20) Methylene Chloride	4.515	84	13029	4.61	ug/l	99
25) 2-Butanone	6.811	43	5124	3.15	ug/l	99
29) Tetrahydrofuran	7.196	42	777	0.74	ug/l #	32
31) Cyclohexane	7.634	56	4010	0.94	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	15896	4.12	ug/l #	49
37) Ethyl Acetate	6.811	43	5124	1.34	ug/l #	66
38) Carbon Tetrachloride	7.630	117	21440	5.29	ug/l #	16
43) Isopropyl Acetate	8.135	43	20204	3.07	ug/l	95
45) 1,2-Dichloropropane	9.241	63	953	0.32	ug/l #	43
48) Methyl methacrylate	9.151	41	5437	1.70	ug/l #	12
51) 4-Methyl-2-Pentanone	9.958	43	5233	1.41	ug/l	93
52) Toluene	10.126	92	1710	0.24	ug/l	94
54) cis-1,3-Dichloropropene	9.878	75	40251	7.87	ug/l #	61
57) 1,3-Dichloropropane	10.736	76	17513	3.71	ug/l #	42
59) 2-Hexanone	10.736	43	237544	87.21	ug/l #	49
71) Bromoform	12.376	173	1319	0.42	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	101535	25.98	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	101535	65.51	ug/l #	15
95) Naphthalene	15.106	128	32005	6.38	ug/l	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

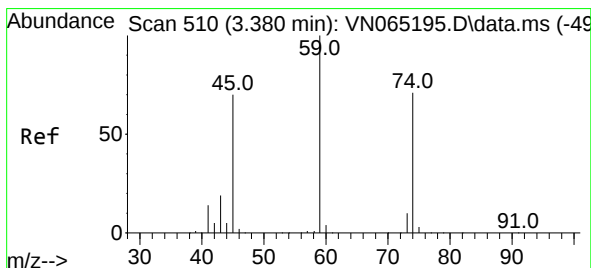
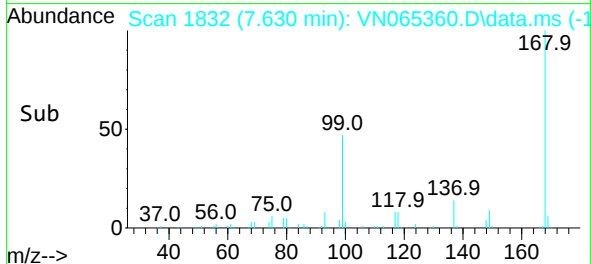
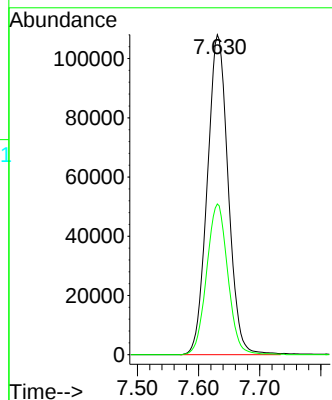
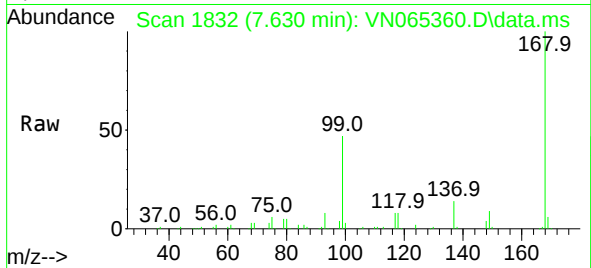




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

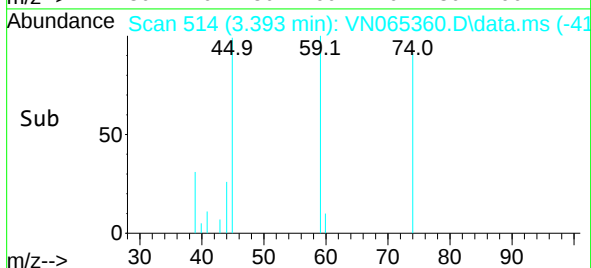
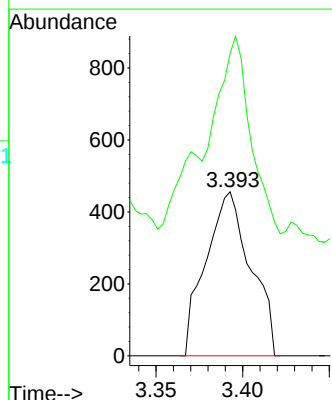
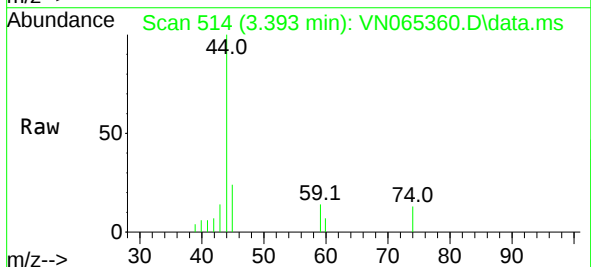
Instrument :
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ClientSampleId :
SAMPLE-3(474+26)

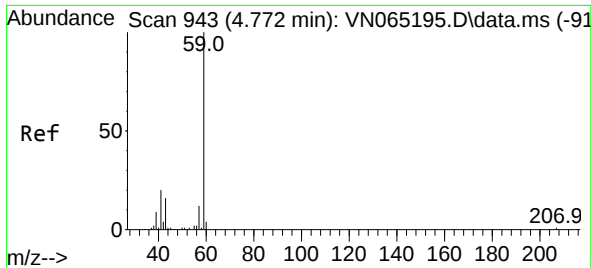
Tgt Ion:168 Resp: 256485
Ion Ratio Lower Upper
168 100
99 47.1 43.0 64.4



#8
Diethyl Ether
Concen: 0.50 ug/l
RT: 3.393 min Scan# 514
Delta R.T. 0.013 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

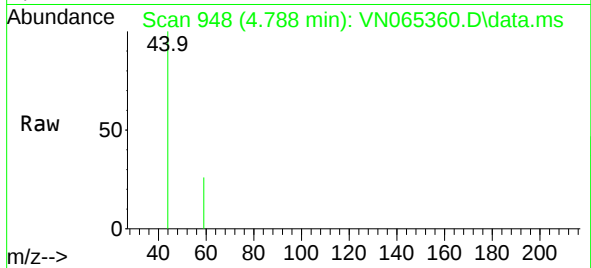
Tgt Ion: 74 Resp: 823
Ion Ratio Lower Upper
74 100
45 91.5 48.9 146.8



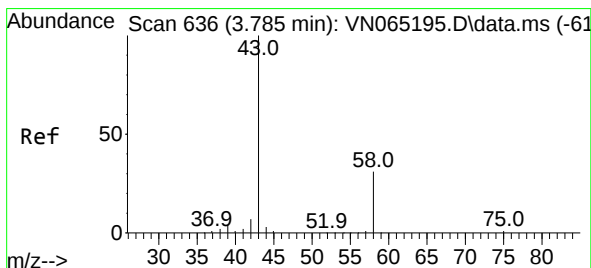
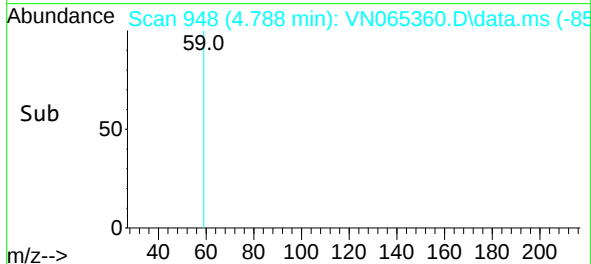
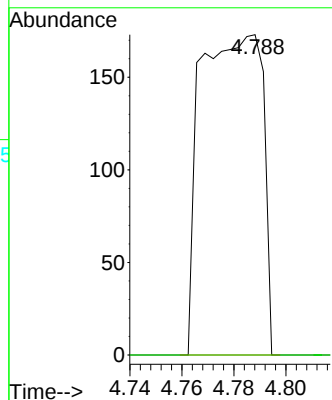


#11
Tert butyl alcohol
Concen: 0.60 ug/l
RT: 4.788 min Scan# 948
Delta R.T. 0.016 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)

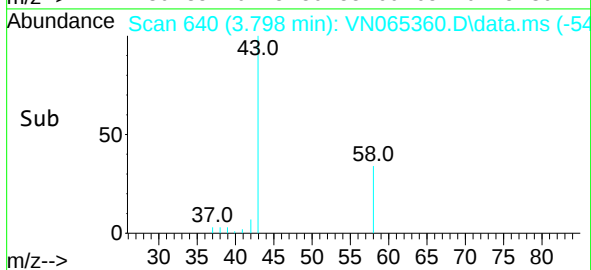
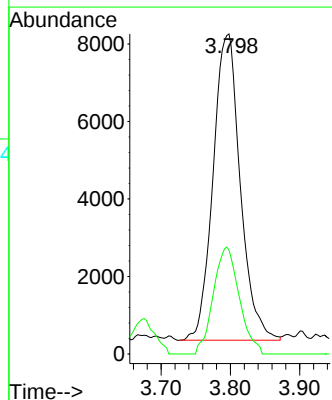
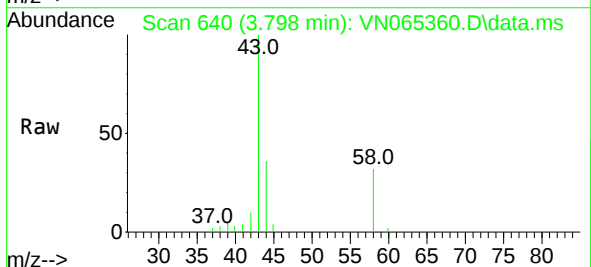


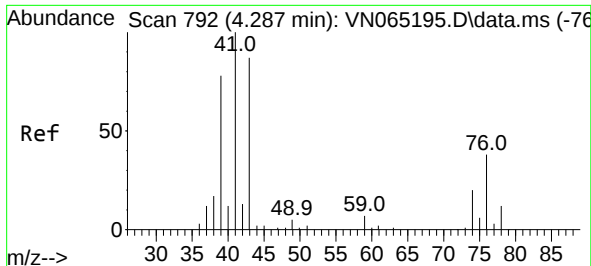
Tgt Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 7.31 ug/l
RT: 3.798 min Scan# 640
Delta R.T. 0.013 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

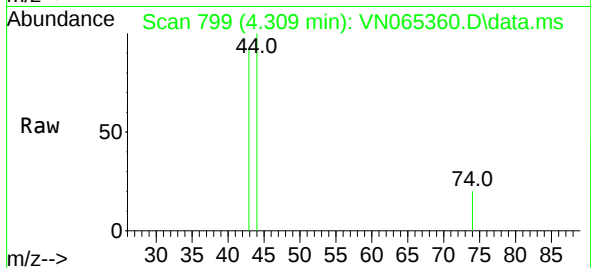
Tgt Ion: 43 Resp: 21571
Ion Ratio Lower Upper
43 100
58 33.9 25.7 38.5



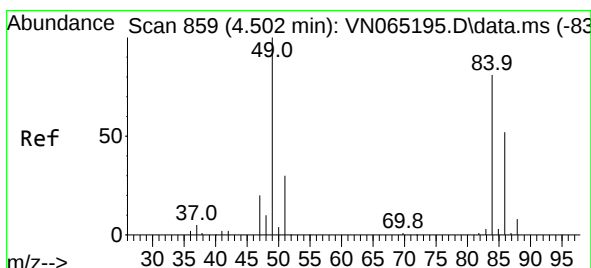
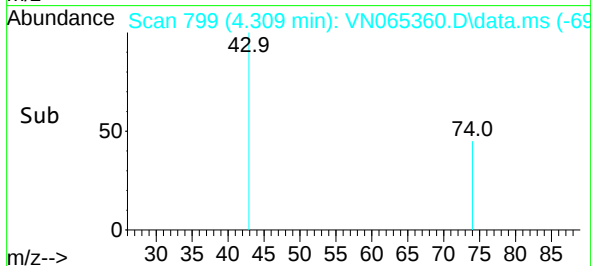
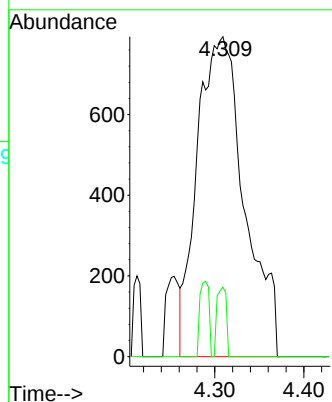


#18
Methyl Acetate
Concen: 1.13 ug/l
RT: 4.309 min Scan# 799
Delta R.T. 0.022 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)

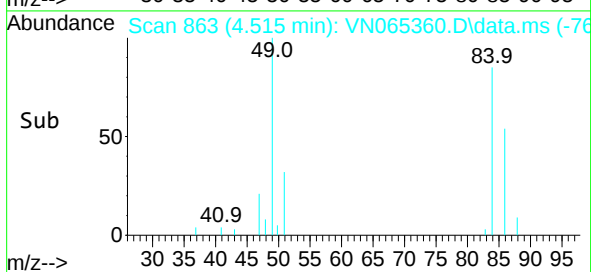
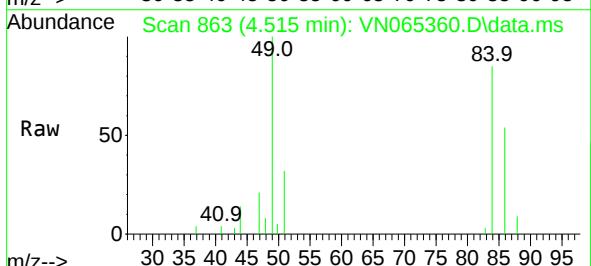
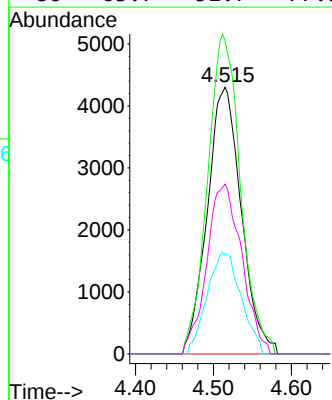


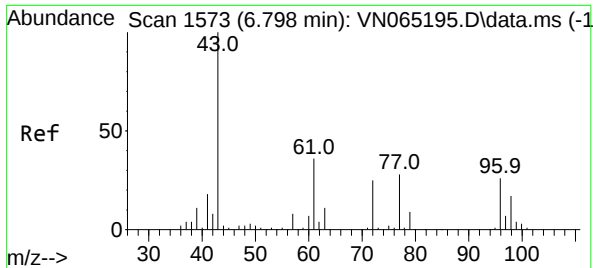
Tgt Ion: 43 Resp: 2930
Ion Ratio Lower Upper
43 100
74 4.2 20.2 30.2#



#20
Methylene Chloride
Concen: 4.61 ug/l
RT: 4.515 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Tgt Ion: 84 Resp: 13029
Ion Ratio Lower Upper
84 100
49 117.4 93.4 140.0
51 37.3 28.2 42.4
86 63.7 51.7 77.5

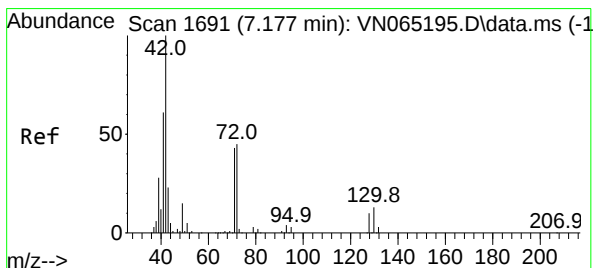
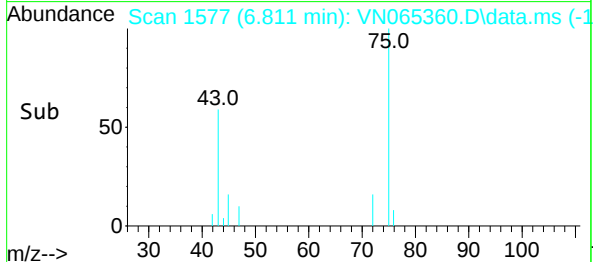
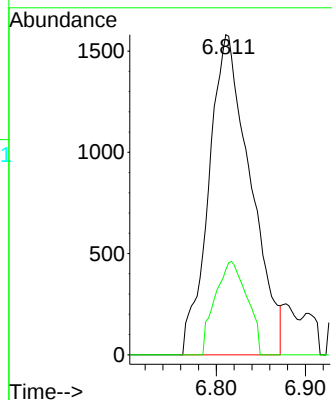
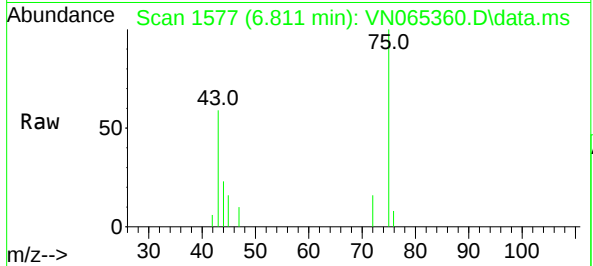




#25
2-Butanone
Concen: 3.15 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.013 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

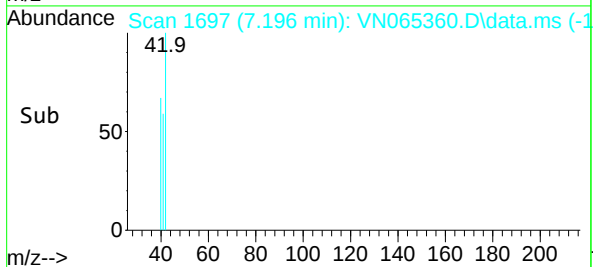
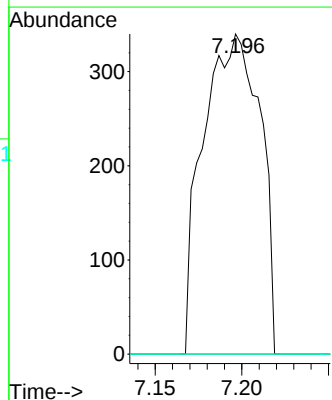
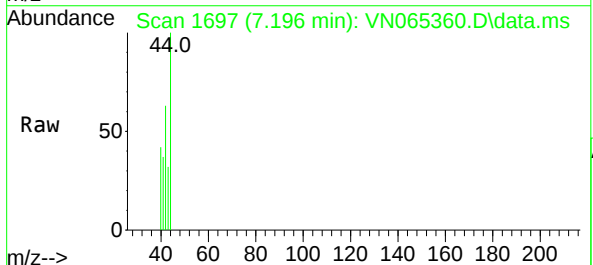
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)

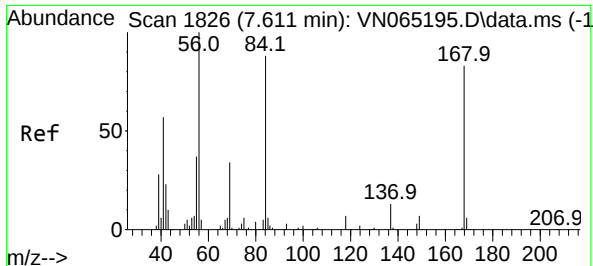
Tgt Ion: 43 Resp: 5124
Ion Ratio Lower Upper
43 100
72 26.6 21.0 31.6



#29
Tetrahydrofuran
Concen: 0.74 ug/l
RT: 7.196 min Scan# 1697
Delta R.T. 0.019 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Tgt Ion: 42 Resp: 777
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 0.0 33.6 50.4#

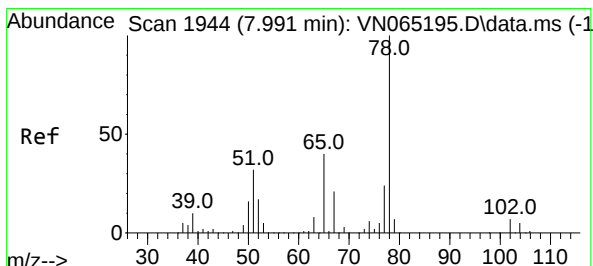
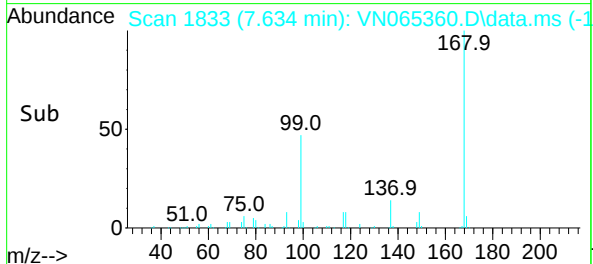
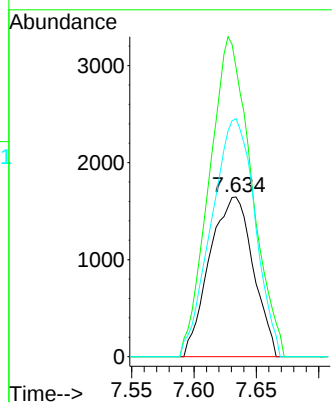
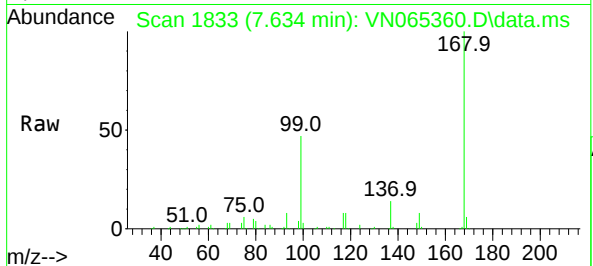




#31
Cyclohexane
Concen: 0.94 ug/l
RT: 7.634 min Scan# 1833
Delta R.T. 0.023 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

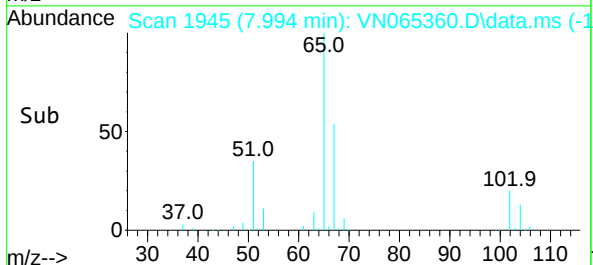
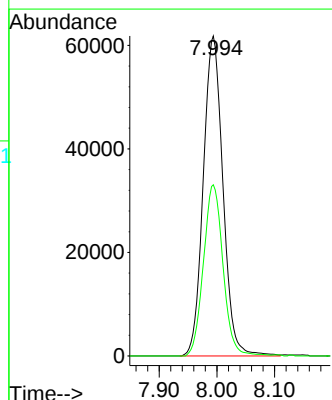
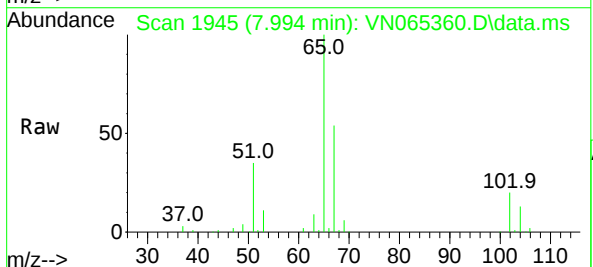
Instrument :
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ClientSampleId :
SAMPLE-3(474+26)

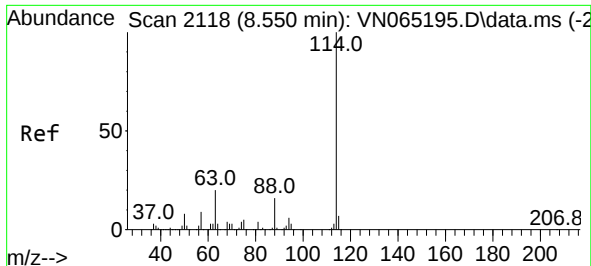
Tgt Ion: 56 Resp: 4010
Ion Ratio Lower Upper
56 100
69 181.0 27.5 41.3#
84 149.0 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 50.54 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Tgt Ion: 65 Resp: 146330
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.2

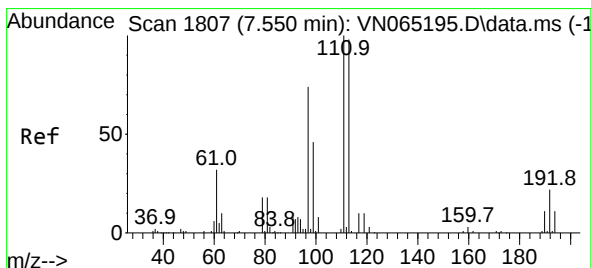
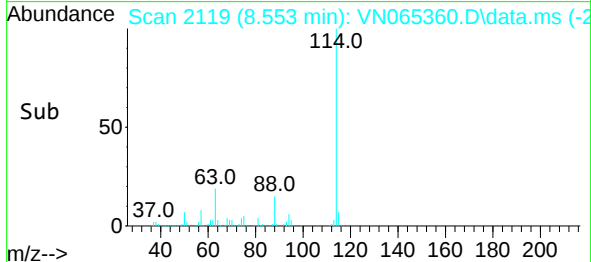
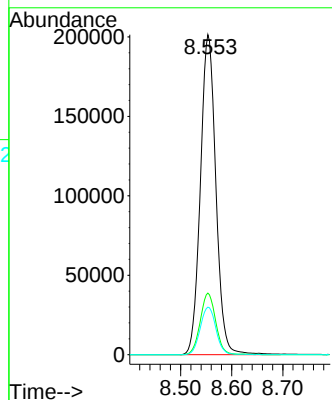
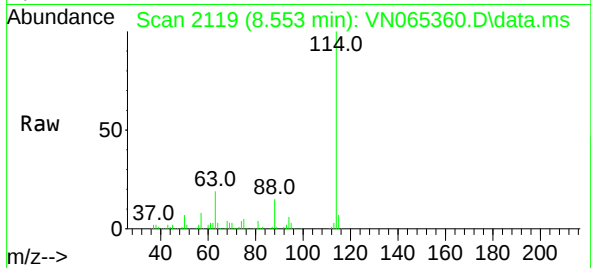




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

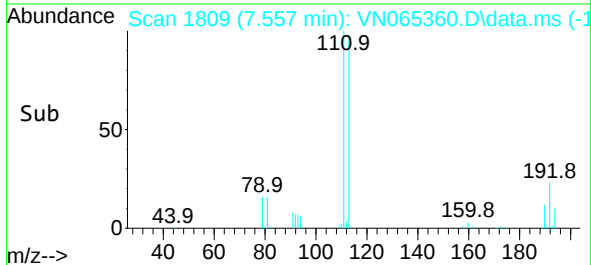
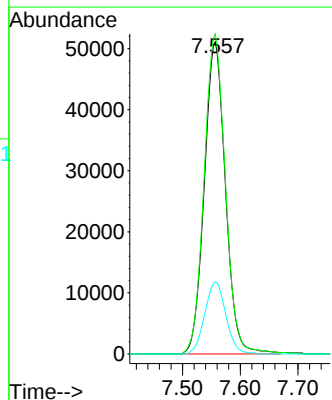
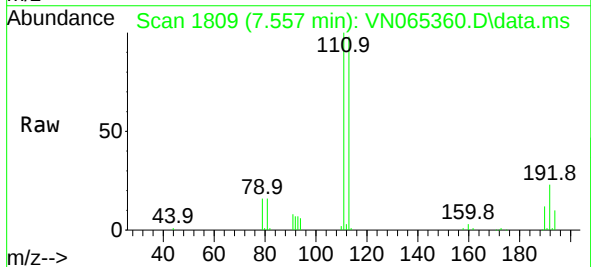
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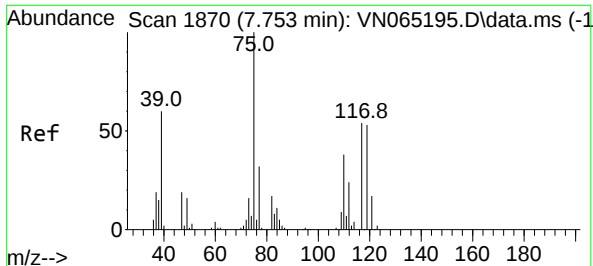
Tgt Ion:114 Resp: 424258
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.6
88 14.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.78 ug/l
RT: 7.557 min Scan# 1809
Delta R.T. 0.007 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Tgt Ion:113 Resp: 129967
Ion Ratio Lower Upper
113 100
111 103.6 81.6 122.4
192 23.0 16.2 24.2

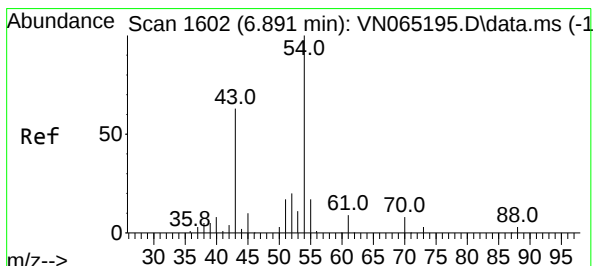
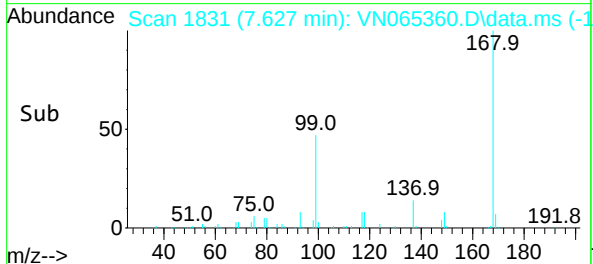
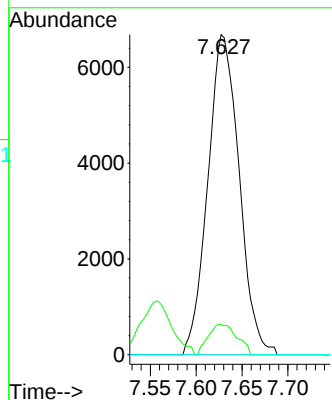
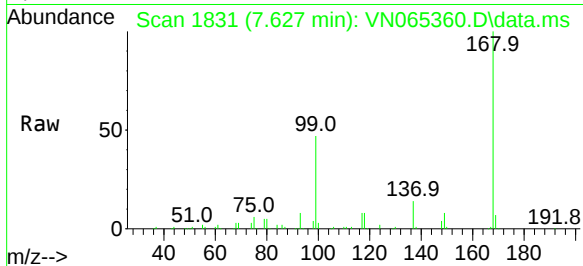




#36
1,1-Dichloropropene
Concen: 4.12 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

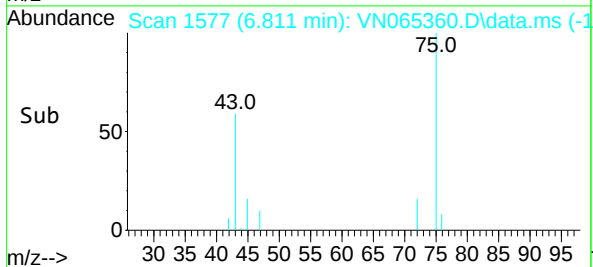
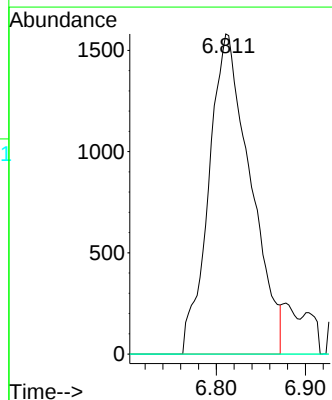
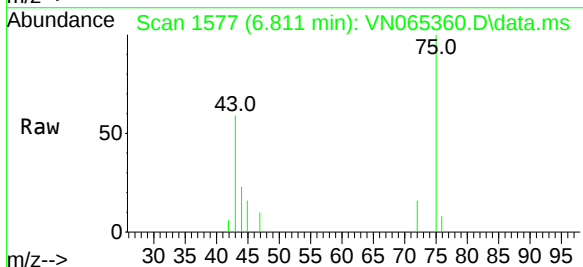
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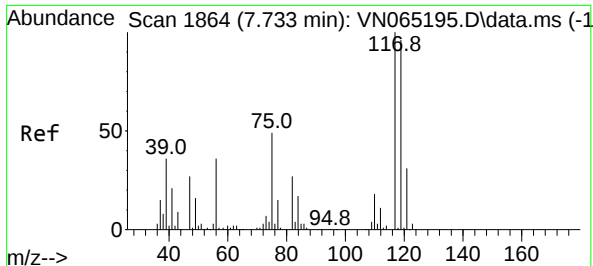
Tgt Ion: 75 Resp: 15896
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.34 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. -0.080 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

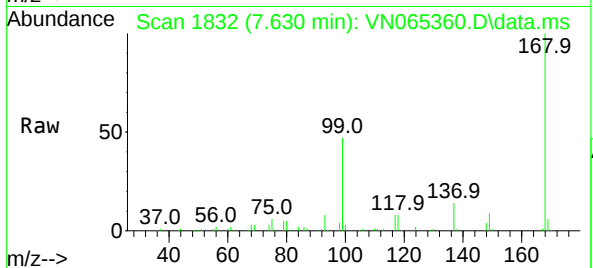
Tgt Ion: 43 Resp: 5124
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



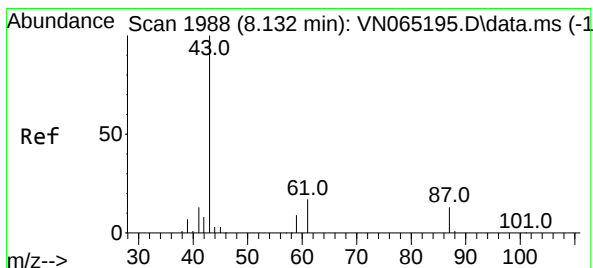
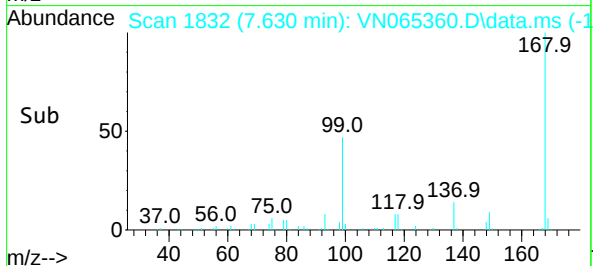
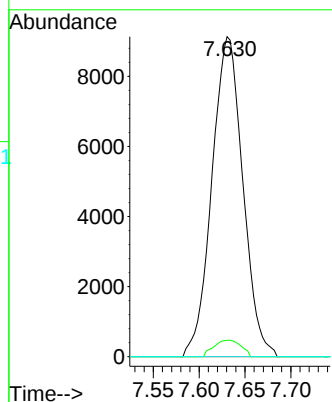


#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)

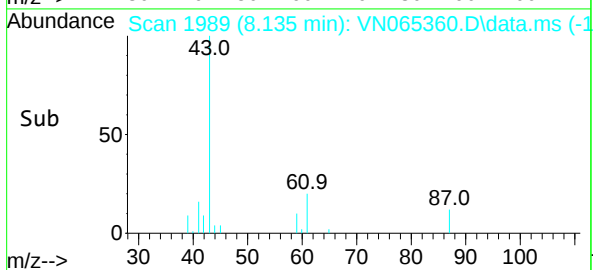
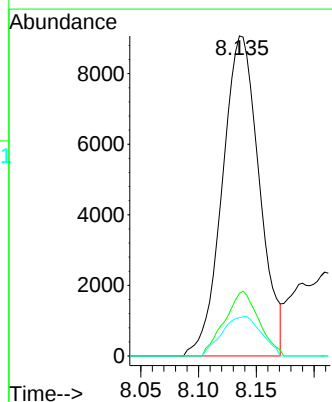
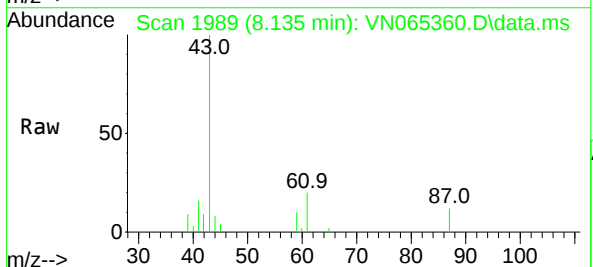


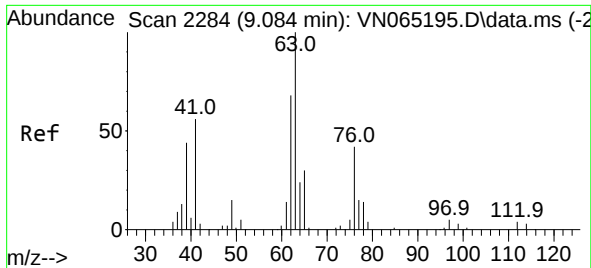
Tgt Ion:117 Resp: 21440
Ion Ratio Lower Upper
117 100
119 5.1 76.7 115.1#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 3.07 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Tgt Ion: 43 Resp: 20204
Ion Ratio Lower Upper
43 100
61 18.7 17.2 25.8
87 13.1 11.4 17.0

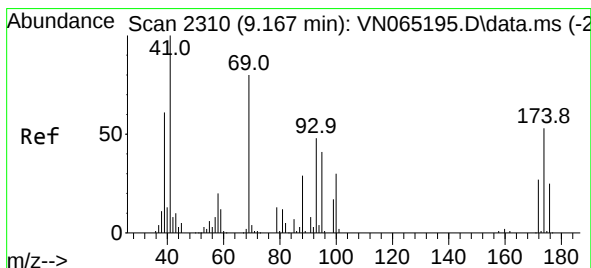
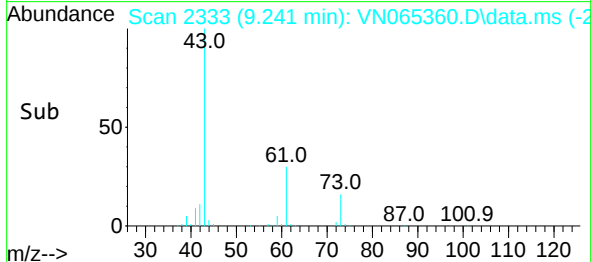
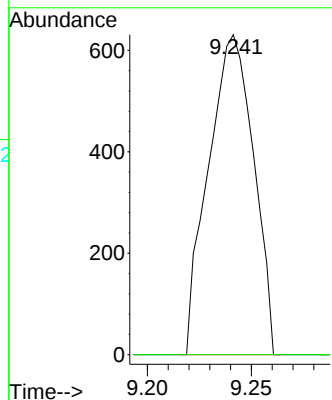
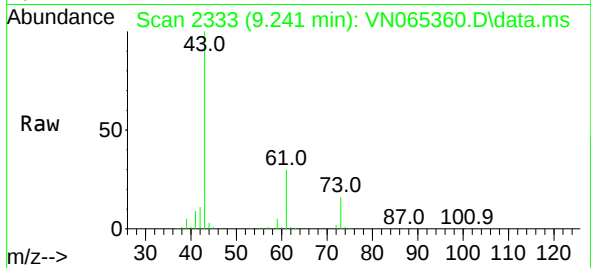




#45
1,2-Dichloropropane
Concen: 0.32 ug/l
RT: 9.241 min Scan# 2333
Delta R.T. 0.157 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

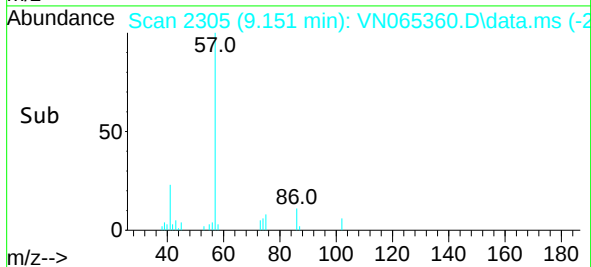
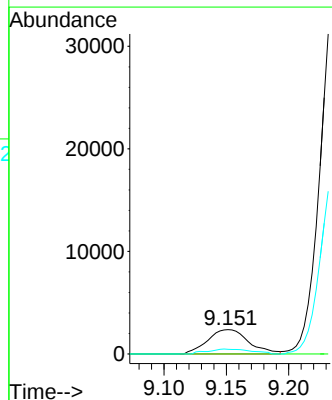
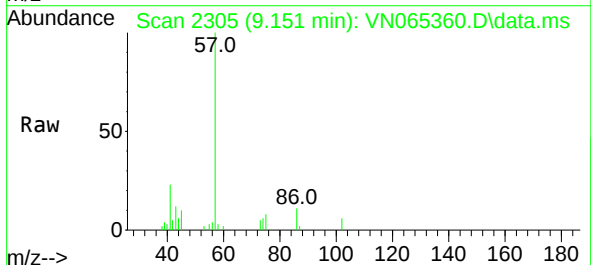
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)

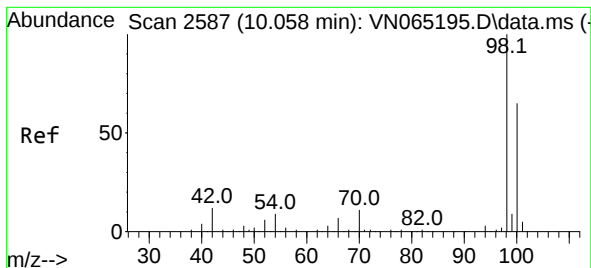
Tgt Ion: 63 Resp: 953
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.70 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Tgt Ion: 41 Resp: 5437
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#





#50

Toluene-d8

Concen: 55.81 ug/l

RT: 10.061 min Scan# 2588

Delta R.T. 0.003 min

Lab File: VN065360.D

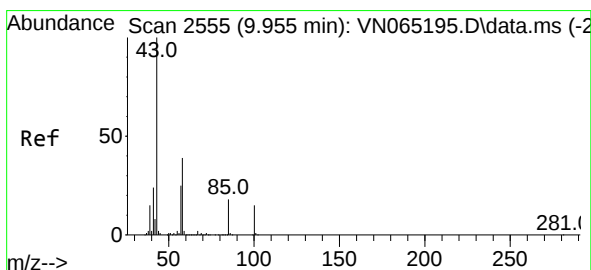
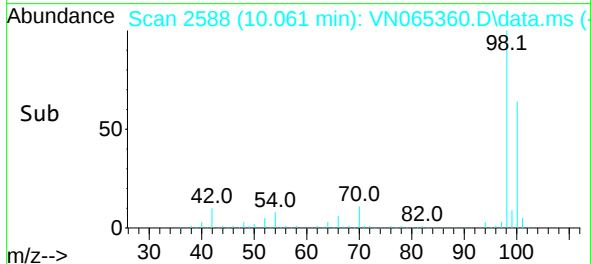
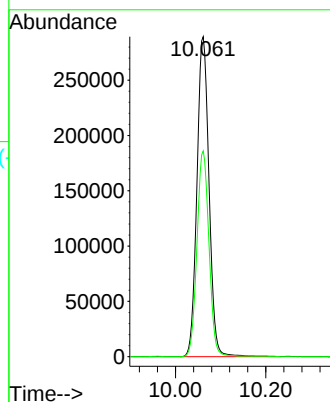
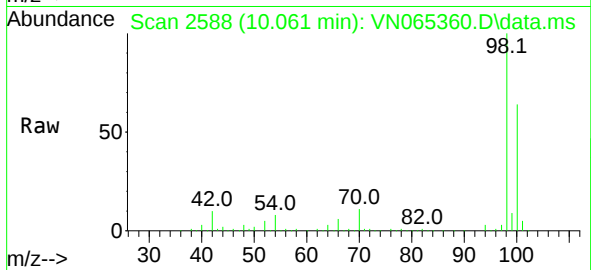
Acq: 31 Dec 2020 21:18

Tgt Ion: 98 Resp: 535366

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.41 ug/l

RT: 9.958 min Scan# 2556

Delta R.T. 0.003 min

Lab File: VN065360.D

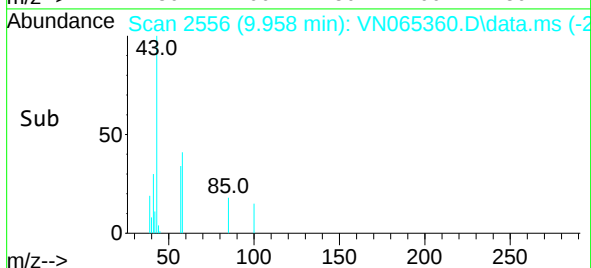
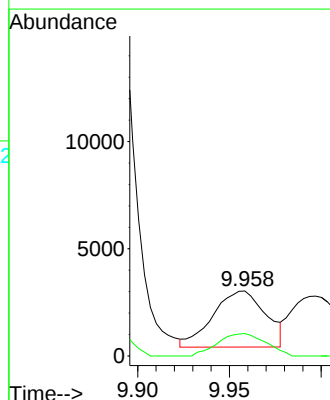
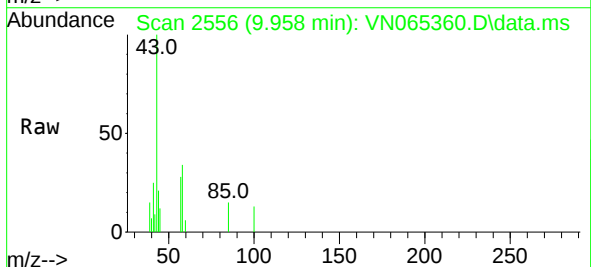
Acq: 31 Dec 2020 21:18

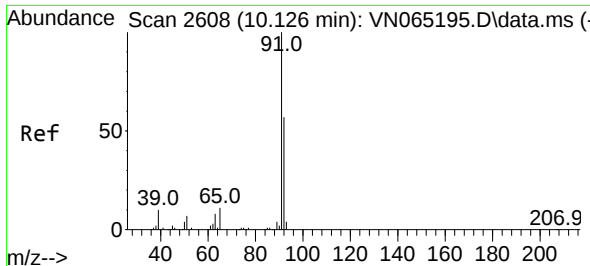
Tgt Ion: 43 Resp: 5233

Ion Ratio Lower Upper

43 100

58 36.3 32.4 48.6

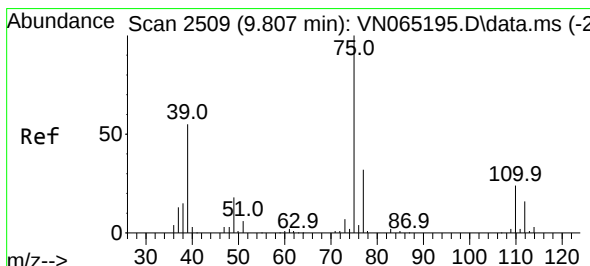
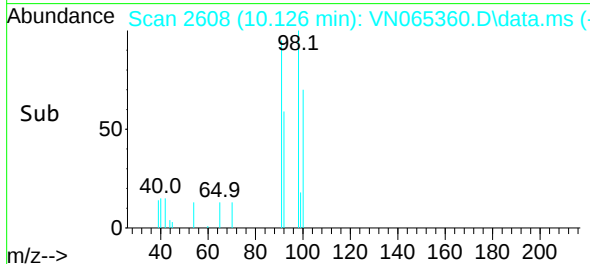
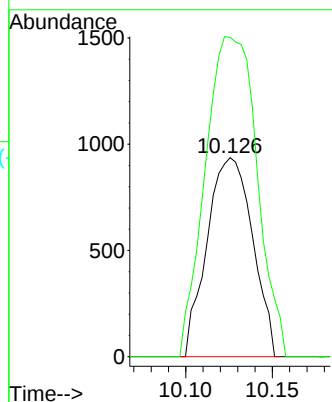
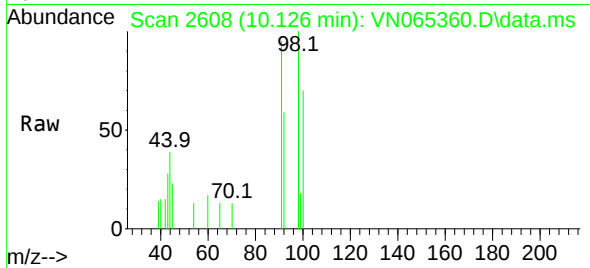




#52
Toluene
Concen: 0.24 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

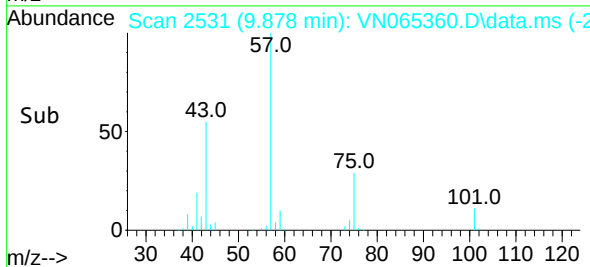
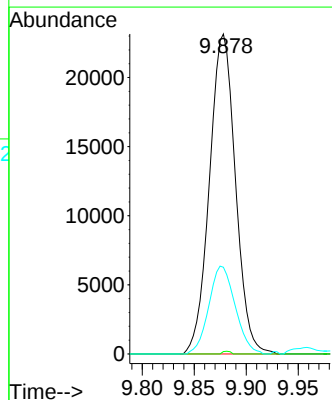
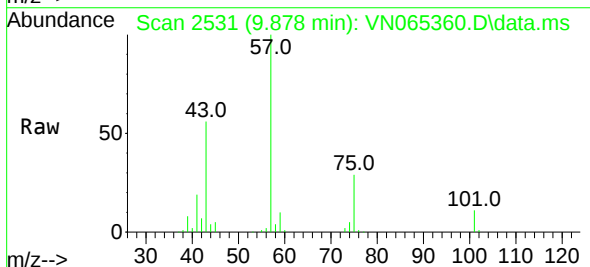
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)

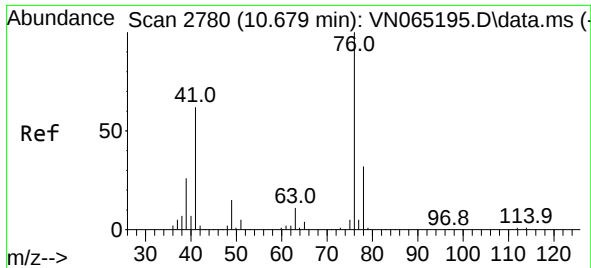
Tgt Ion: 92 Resp: 1710
Ion Ratio Lower Upper
92 100
91 182.6 139.1 208.7



#54
cis-1,3-Dichloropropene
Concen: 7.87 ug/l
RT: 9.878 min Scan# 2531
Delta R.T. 0.071 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Tgt Ion: 75 Resp: 40251
Ion Ratio Lower Upper
75 100
77 0.8 25.5 38.3#
39 27.1 35.6 53.4#

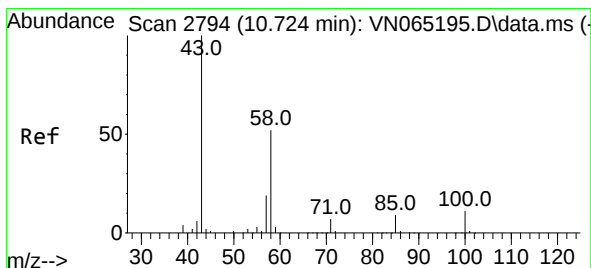
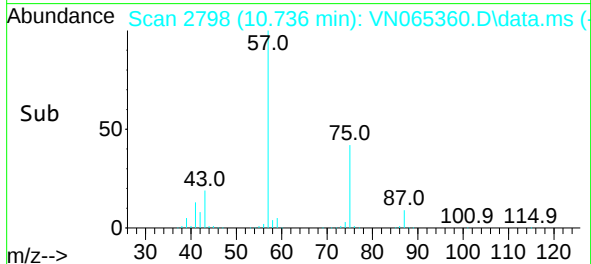
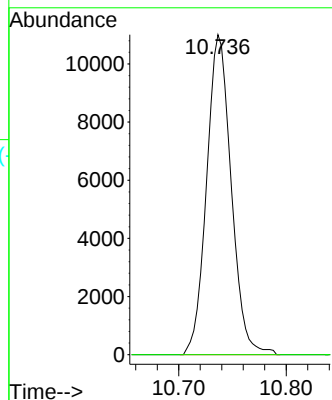
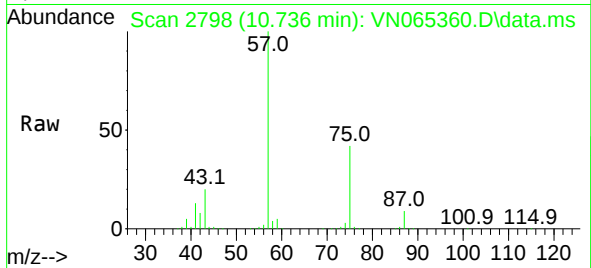




#57
1,3-Dichloropropane
Concen: 3.71 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

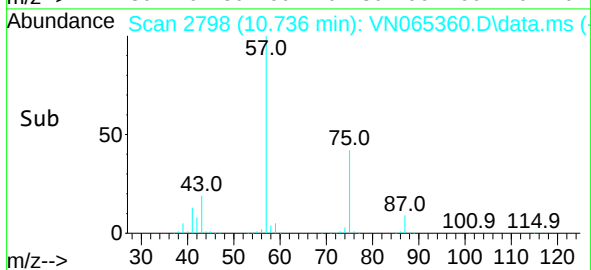
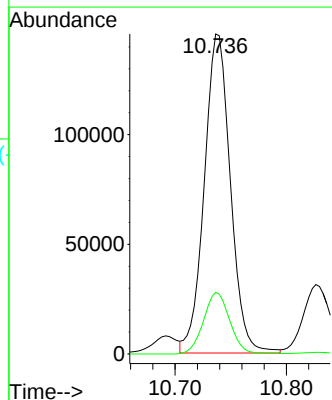
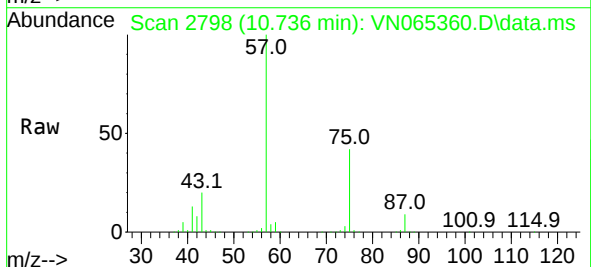
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)

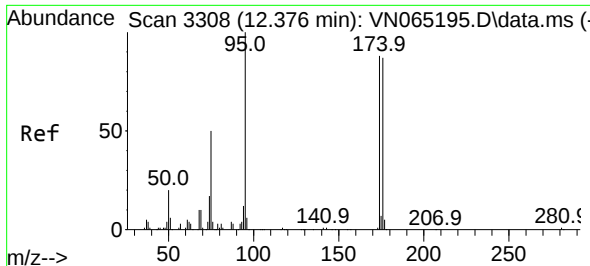
Tgt Ion: 76 Resp: 17513
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 87.21 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Tgt Ion: 43 Resp: 237544
Ion Ratio Lower Upper
43 100
58 19.4 28.3 84.9#

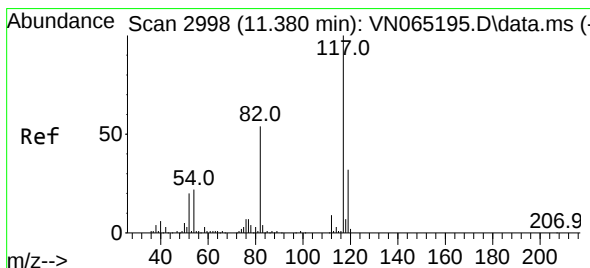
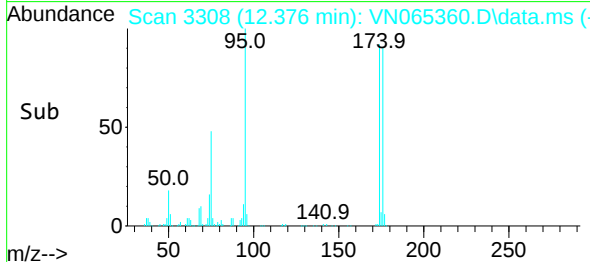
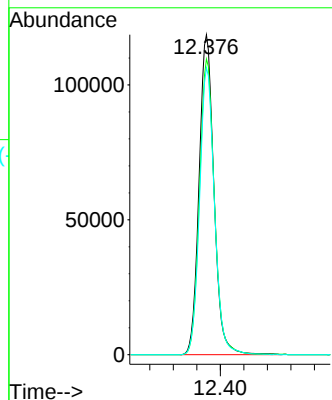
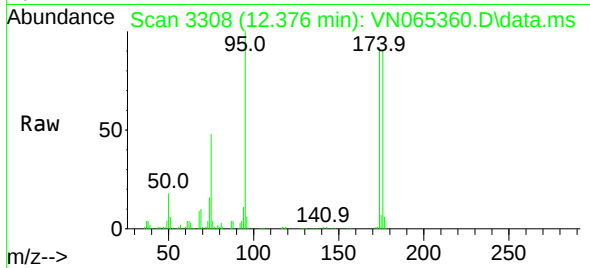




#62
4-Bromofluorobenzene
Concen: 54.30 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

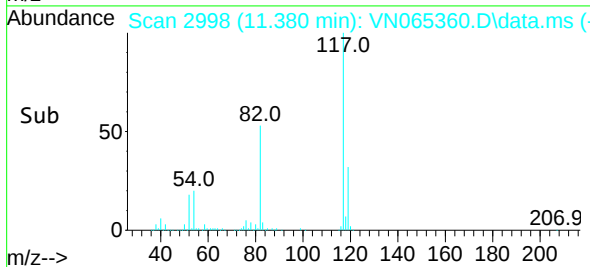
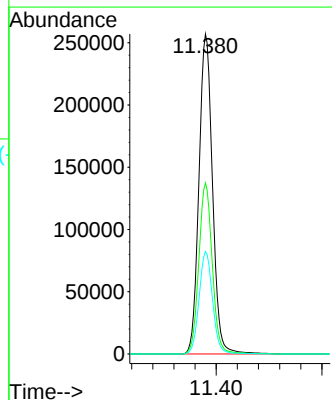
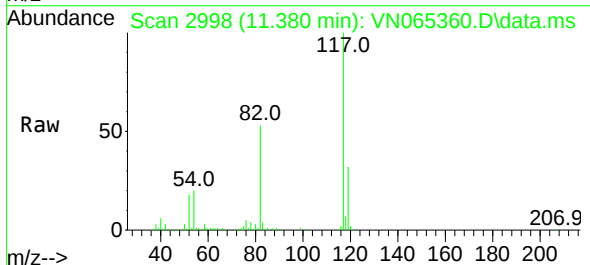
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)

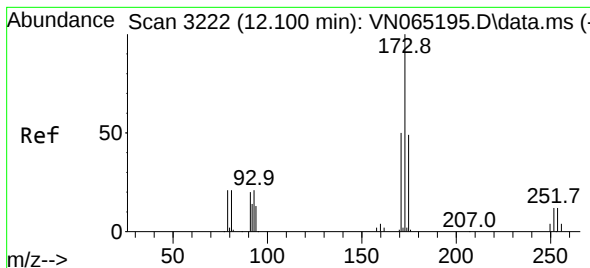
Tgt Ion: 95 Resp: 207848
Ion Ratio Lower Upper
95 100
174 92.8 0.0 160.4
176 89.8 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Tgt Ion: 117 Resp: 457238
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.2
119 32.0 25.8 38.6





#71

Bromoform

Concen: 0.42 ug/l

RT: 12.376 min Scan# 3308

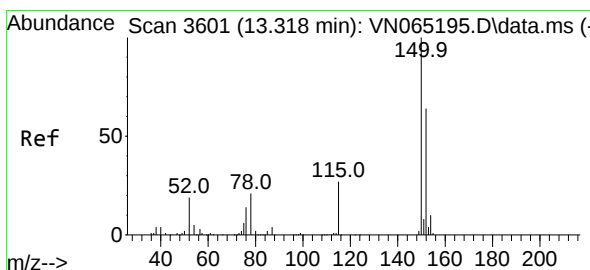
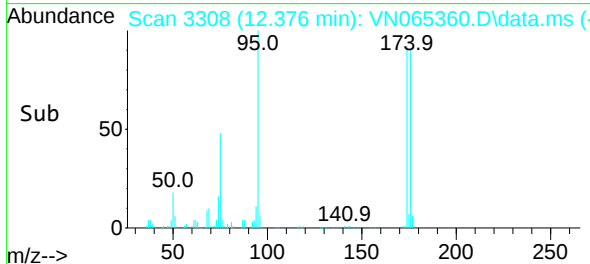
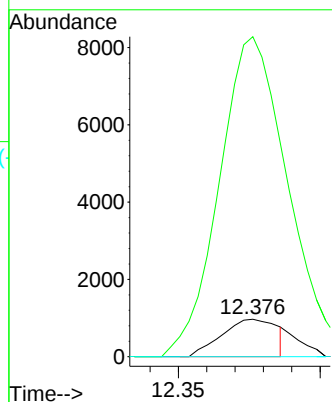
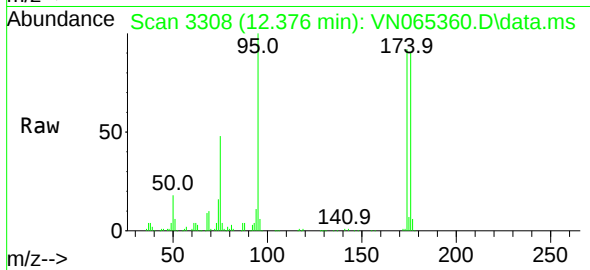
Delta R.T. 0.276 min

Lab File: VN065360.D

Acq: 31 Dec 2020 21:18

Tgt Ion:173	Resp:	1319
Ion Ratio	Lower	Upper
173	100	
175	862.4	24.3 72.8#
254	0.0	0.0 0.0

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

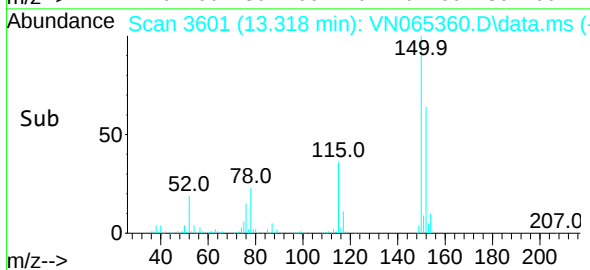
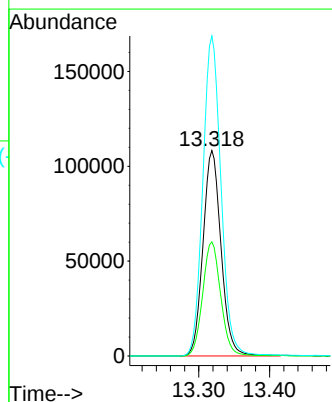
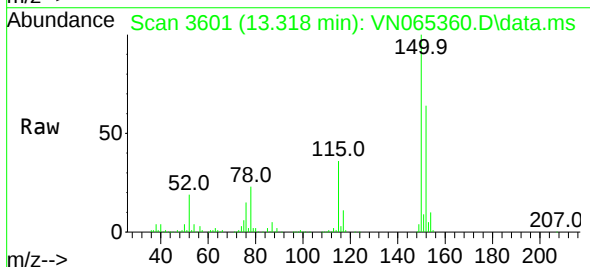
RT: 13.318 min Scan# 3601

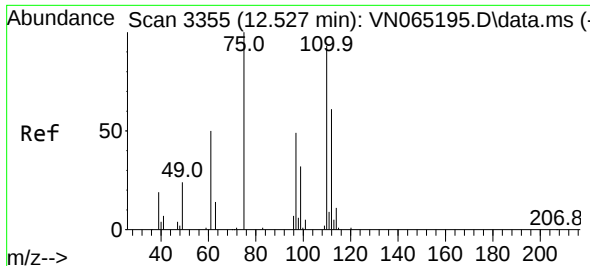
Delta R.T. 0.000 min

Lab File: VN065360.D

Acq: 31 Dec 2020 21:18

Tgt Ion:152	Resp:	191579
Ion Ratio	Lower	Upper
152	100	
115	55.2	29.7 89.1
150	157.0	0.0 350.6

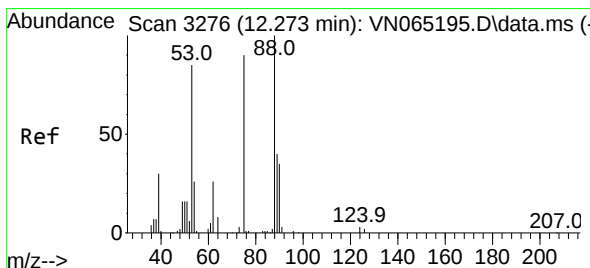
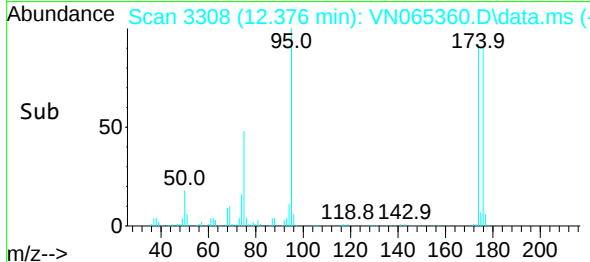
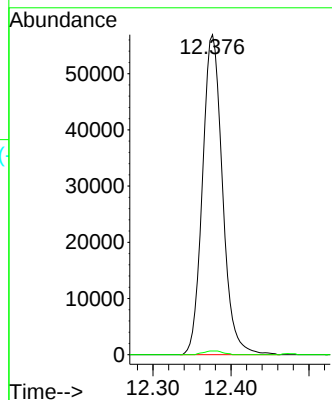
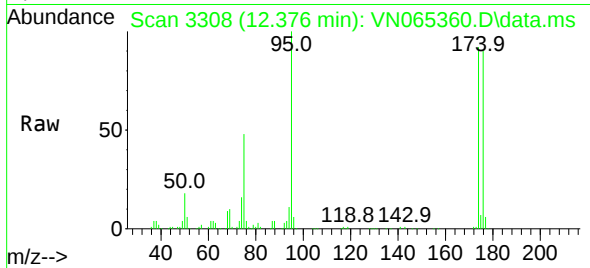




#76
1,2,3-Trichloropropane
Concen: 25.98 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

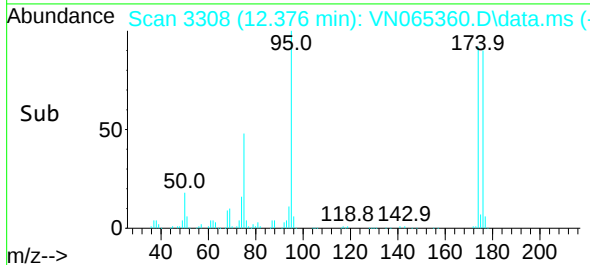
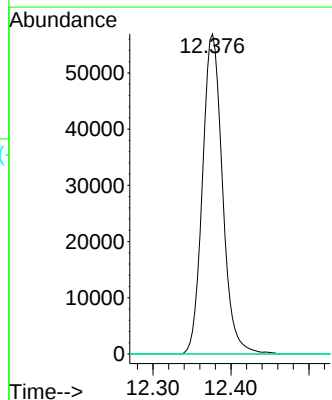
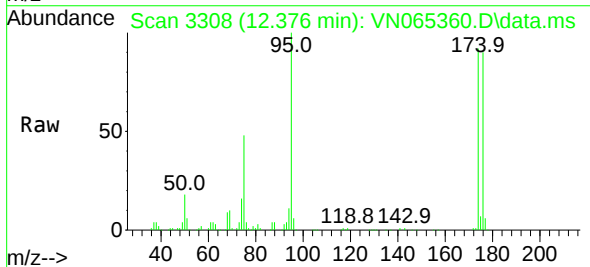
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)

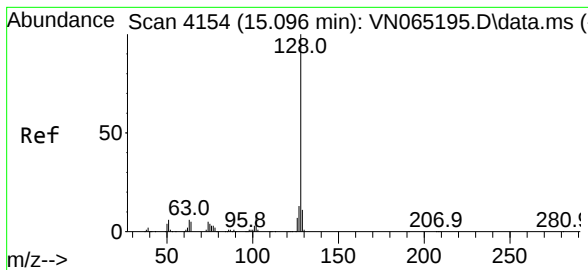
Tgt Ion: 75 Resp: 101535
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.51 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

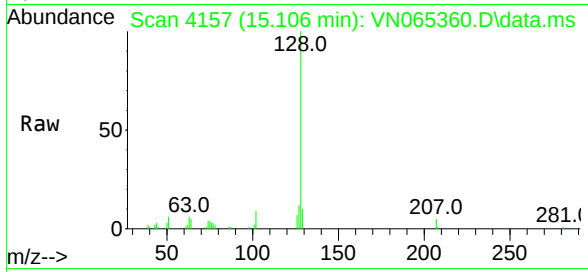
Tgt Ion: 75 Resp: 101535
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
Naphthalene
Concen: 6.38 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.010 min
Lab File: VN065360.D
Acq: 31 Dec 2020 21:18

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3(474+26)



Tgt Ion:	128	Resp:	32005
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.4	8.7	13.1

