

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011921\
 Data File : VN065554.D
 Acq On : 19 Jan 2021 13:52
 Operator : JC/MD
 Sample : M1159-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BORE-2-ALT

Quant Time: Jan 20 00:28:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 18 18:11:15 2021
 Response via : Initial Calibration

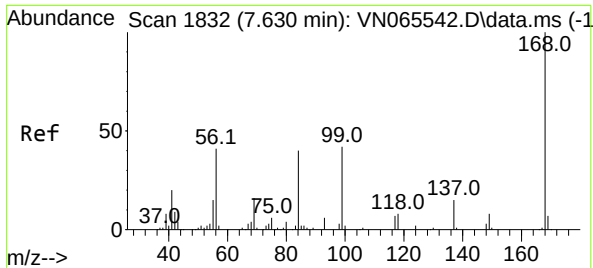
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.630	168	203632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	334187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	370010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	162122	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	104529	55.57	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.14%			
35) Dibromofluoromethane	7.556	113	102817	51.53	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.06%			
50) Toluene-d8	10.061	98	420258	56.11	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 112.22%			
62) 4-Bromofluorobenzene	12.376	95	165251	58.79	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 117.58%			
Target Compounds					Qvalue	
16) Acetone	3.791	43	11733	17.61	ug/l	90
18) Methyl Acetate	4.303	43	1287	0.69	ug/l #	59
20) Methylene Chloride	4.508	84	17214	8.39	ug/l	93
25) 2-Butanone	6.811	43	2164	2.31	ug/l	94
31) Cyclohexane	7.621	56	2696	0.95	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	11653	4.22	ug/l #	48
37) Ethyl Acetate	6.811	43	2164	0.91	ug/l #	66
38) Carbon Tetrachloride	7.627	117	16253	5.91	ug/l #	16
43) Isopropyl Acetate	8.135	43	14311	3.75	ug/l	98
45) 1,2-Dichloropropane	9.235	63	945	0.43	ug/l #	43
48) Methyl methacrylate	9.151	41	3758	1.99	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	3772	1.64	ug/l	95
54) cis-1,3-Dichloropropene	9.878	75	27855	8.00	ug/l #	59
56) Ethyl methacrylate	10.518	69	136	2.17	ug/l #	1
57) 1,3-Dichloropropane	10.736	76	15102	4.21	ug/l #	42
59) 2-Hexanone	10.736	43	193328	116.73	ug/l #	50
71) Bromoform	12.357	173	43	2.84	ug/l #	29
74) N-amyl acetate	12.006	43	1445	0.42	ug/l #	42
76) 1,2,3-Trichloropropane	12.376	75	76008	25.89	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	76008	75.25	ug/l #	15
95) Naphthalene	15.116	128	247	3.24	ug/l #	69

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011821W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

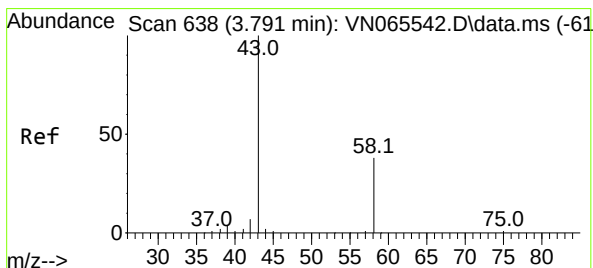
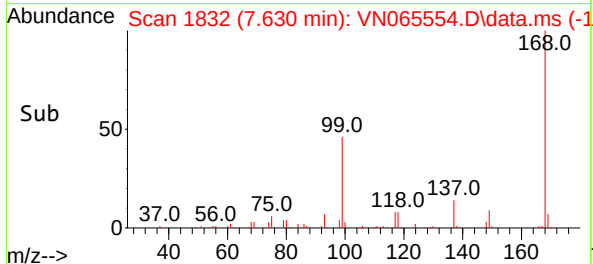
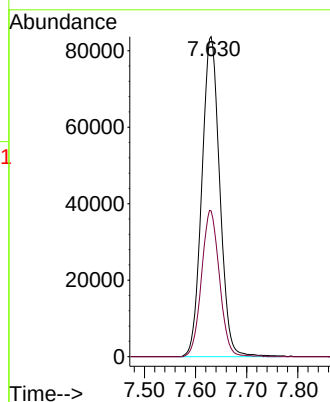
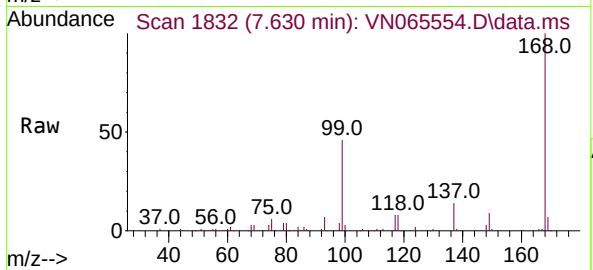




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.000 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

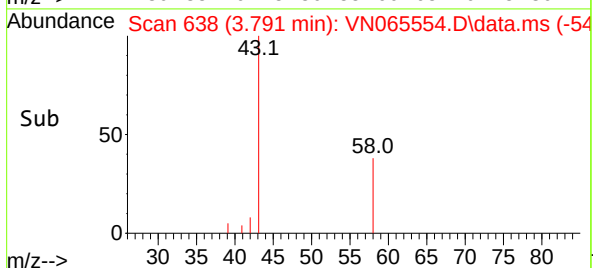
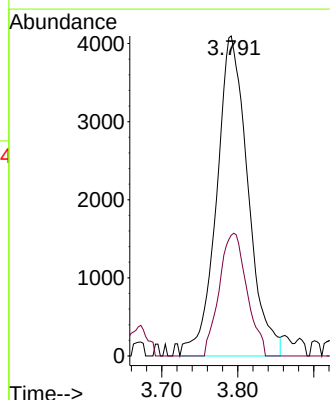
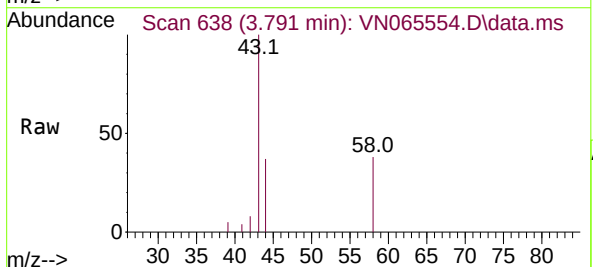
Instrument :
MSVOA_N
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BORE-2-ALT

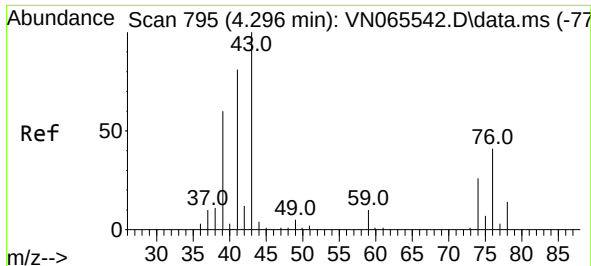
Tgt Ion:168 Resp: 203632
Ion Ratio Lower Upper
168 100
99 45.6 43.0 64.4



#16
Acetone
Concen: 17.61 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 43 Resp: 11733
Ion Ratio Lower Upper
43 100
58 37.8 25.7 38.5

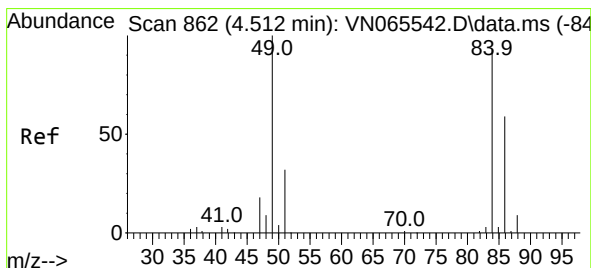
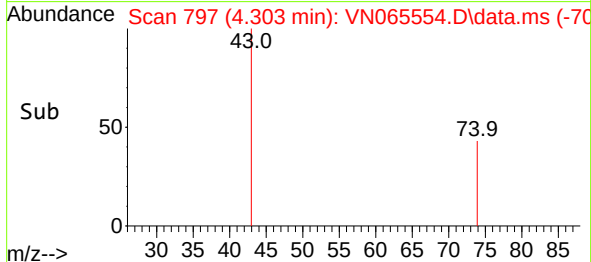
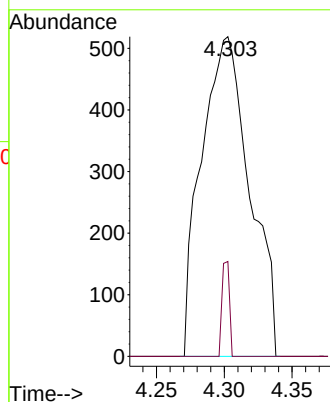
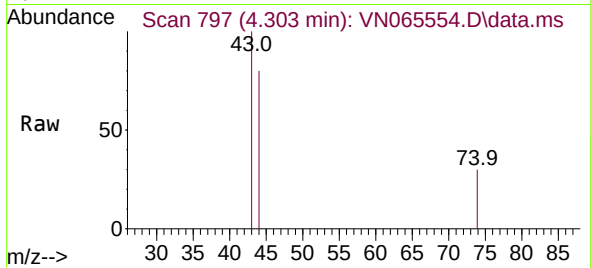




#18
Methyl Acetate
Concen: 0.69 ug/l
RT: 4.303 min Scan# 797
Delta R.T. 0.007 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

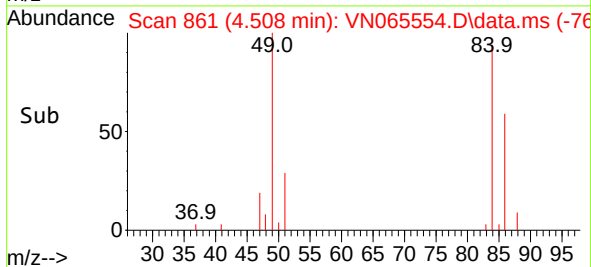
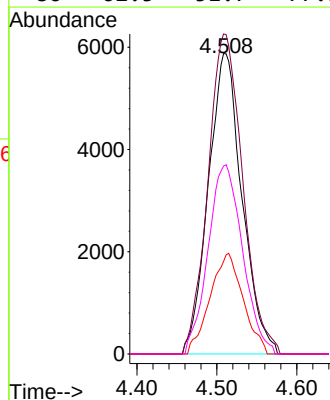
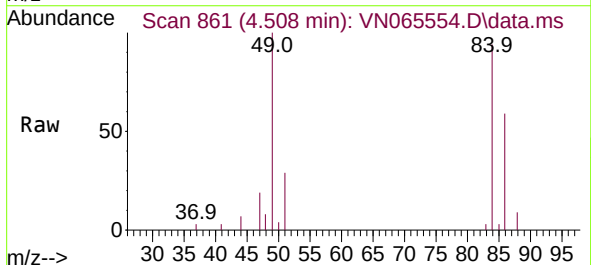
Instrument :
MSVOA_N
ClientSampleId :
BORE-2-ALT

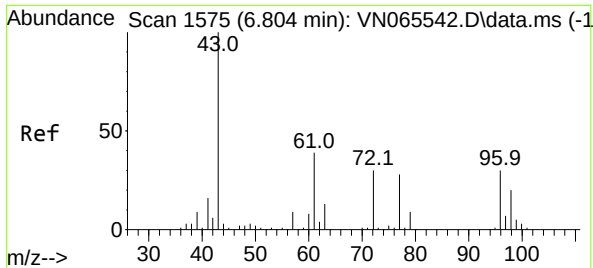
Tgt Ion: 43 Resp: 1287
Ion Ratio Lower Upper
43 100
74 4.6 20.2 30.2#



#20
Methylene Chloride
Concen: 8.39 ug/l
RT: 4.508 min Scan# 861
Delta R.T. -0.004 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 84 Resp: 17214
Ion Ratio Lower Upper
84 100
49 106.5 93.4 140.0
51 30.8 28.2 42.4
86 62.5 51.7 77.5

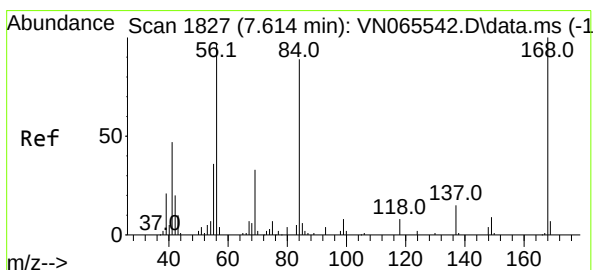
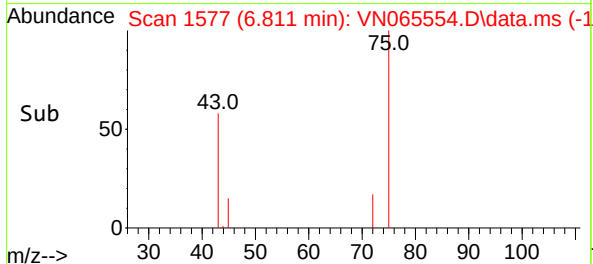
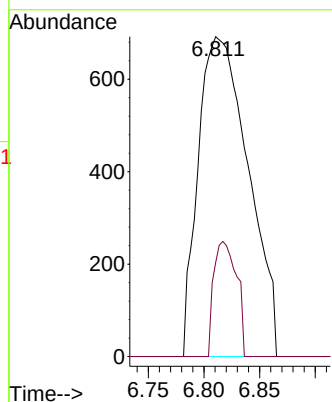
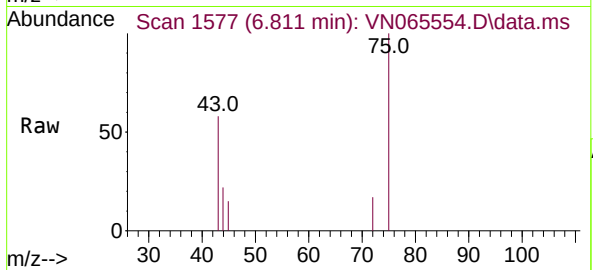




#25
2-Butanone
Concen: 2.31 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.007 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

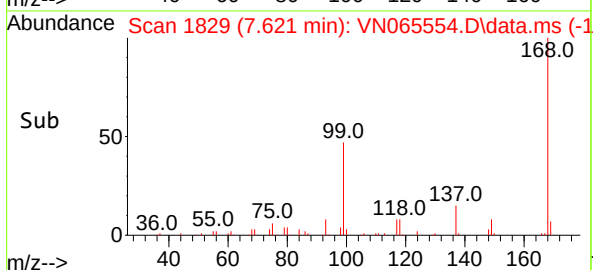
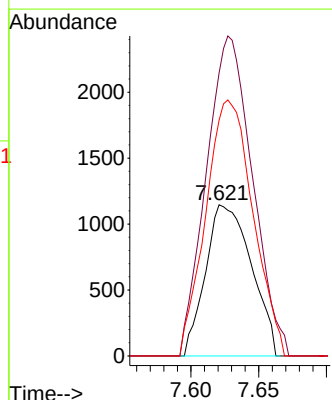
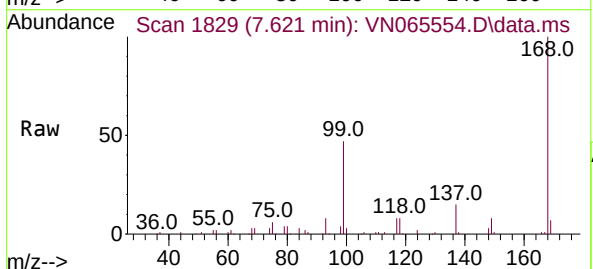
Instrument :
MSVOA_N
ClientSampleId :
BORE-2-ALT

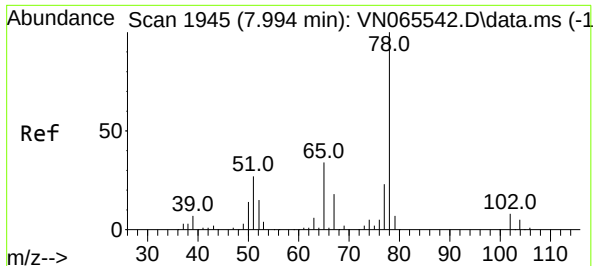
Tgt Ion: 43 Resp: 2164
Ion Ratio Lower Upper
43 100
72 29.5 21.0 31.6



#31
Cyclohexane
Concen: 0.95 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.007 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 56 Resp: 2696
Ion Ratio Lower Upper
56 100
69 187.1 27.5 41.3#
84 155.8 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 55.57 ug/l

RT: 7.991 min Scan# 1944

Delta R.T. -0.003 min

Lab File: VN065554.D

Acq: 19 Jan 2021 13:52

Tgt Ion: 65 Resp: 104529

Ion Ratio Lower Upper

65 100

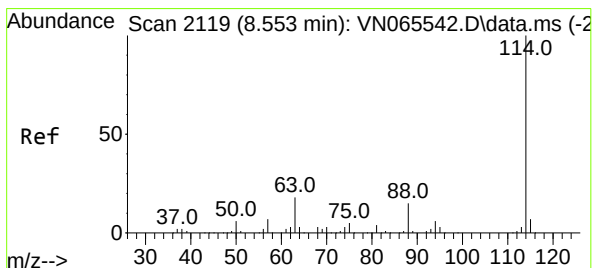
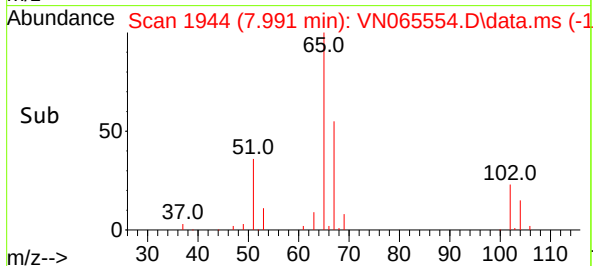
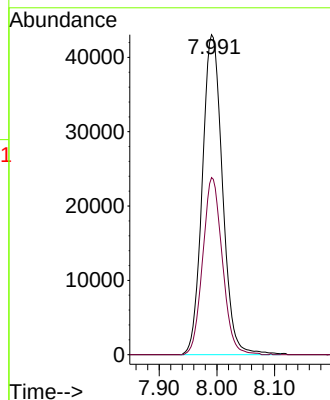
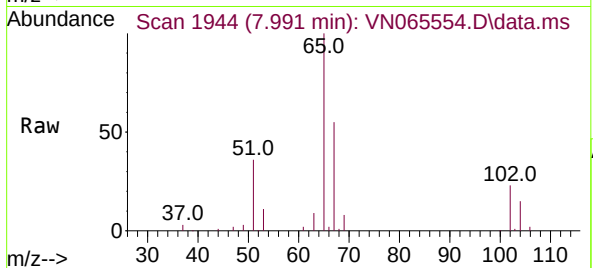
67 53.8 0.0 108.2

Instrument :

MSVOA_N

ClientSampleId :

BORE-2-ALT



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.553 min Scan# 2119

Delta R.T. 0.000 min

Lab File: VN065554.D

Acq: 19 Jan 2021 13:52

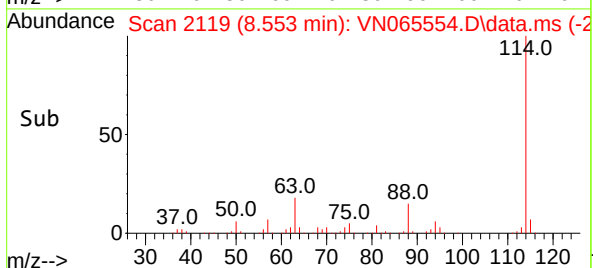
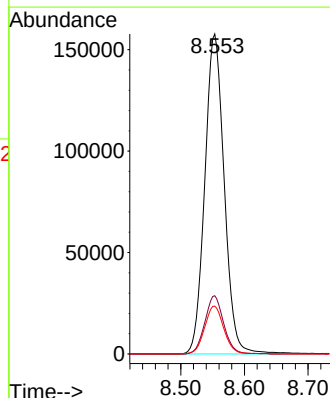
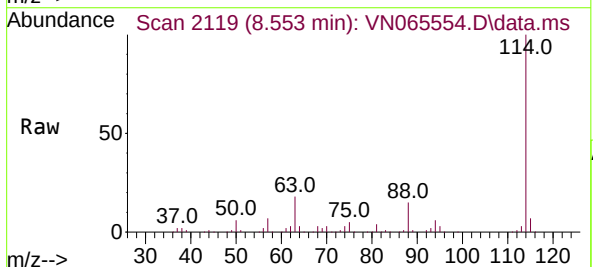
Tgt Ion: 114 Resp: 334187

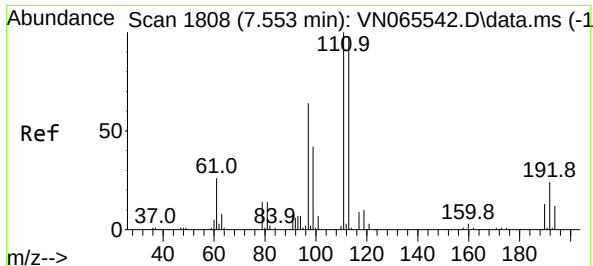
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.6

88 15.0 0.0 32.6

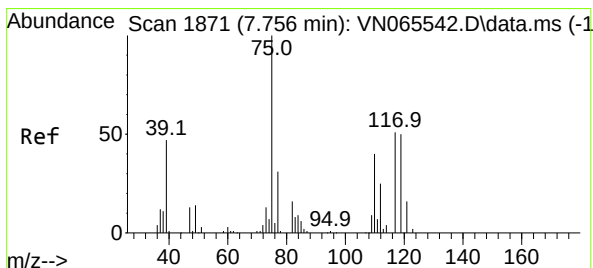
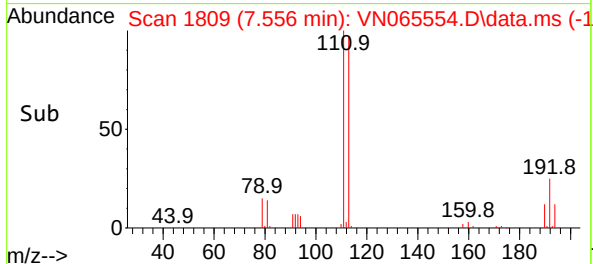
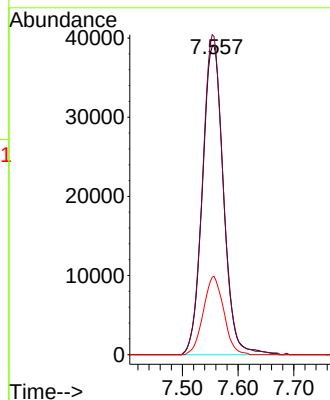
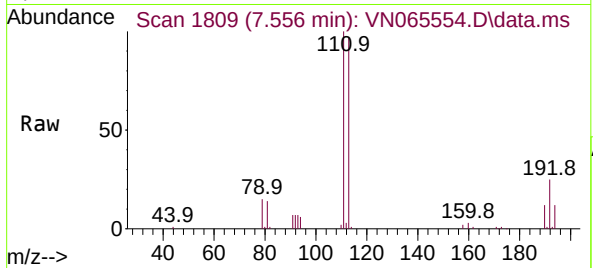




#35
Dibromofluoromethane
Concen: 51.53 ug/l
RT: 7.556 min Scan# 1809
Delta R.T. 0.003 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

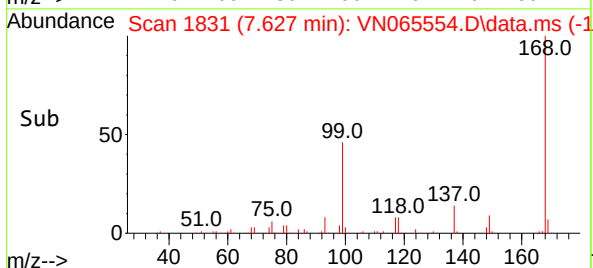
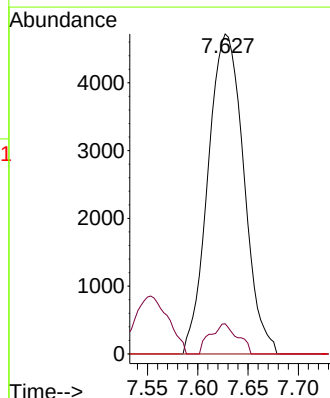
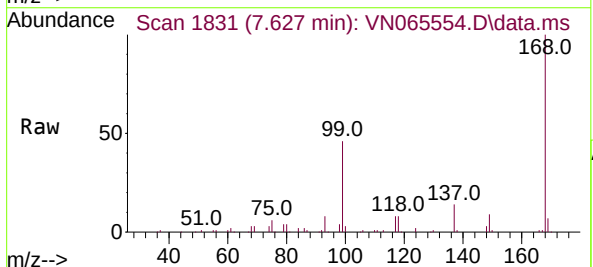
Instrument :
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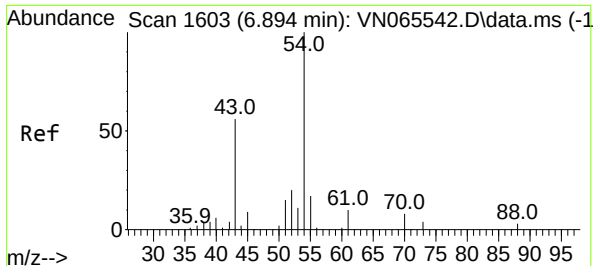
Tgt Ion:113 Resp: 102817
Ion Ratio Lower Upper
113 100
111 101.5 81.6 122.4
192 24.5 16.2 24.2#



#36
1,1-Dichloropropene
Concen: 4.22 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.129 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 75 Resp: 11653
Ion Ratio Lower Upper
75 100
110 7.3 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.91 ug/l

RT: 6.811 min Scan# 1577

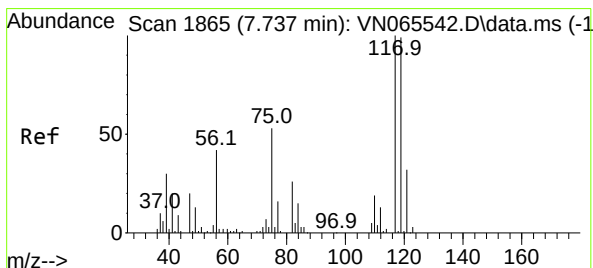
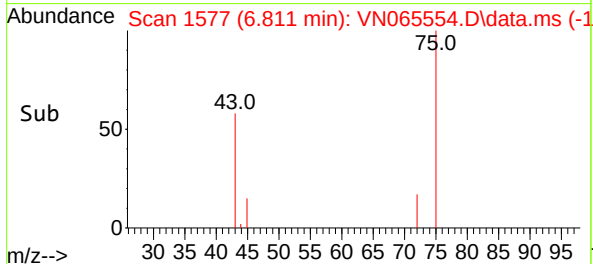
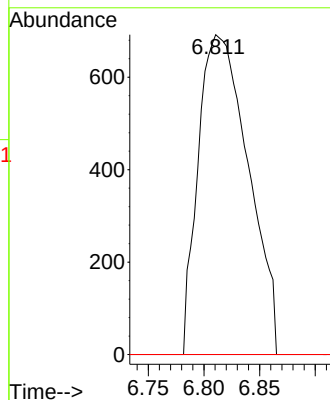
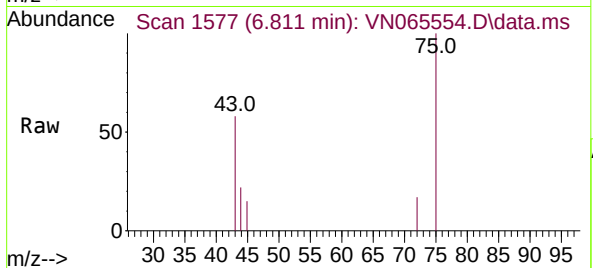
Delta R.T. -0.083 min

Lab File: VN065554.D

Acq: 19 Jan 2021 13:52

Instrument :
MSVOA_N
ClientSampleId :
BORE-2-ALT

Tgt Ion: 43	Resp: 2164
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.91 ug/l

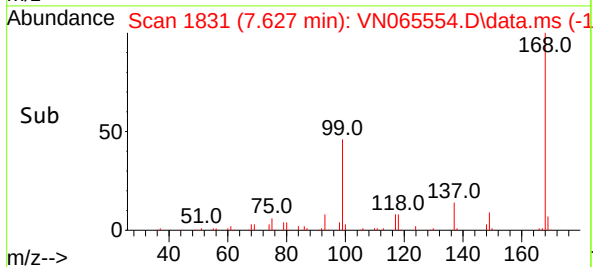
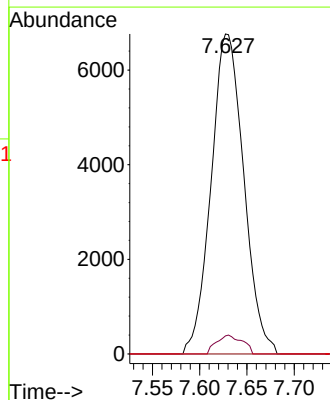
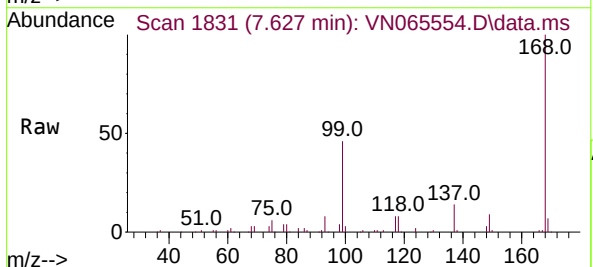
RT: 7.627 min Scan# 1831

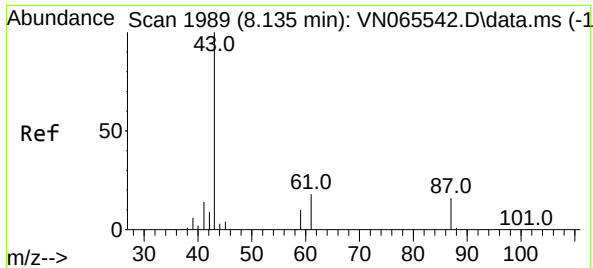
Delta R.T. -0.110 min

Lab File: VN065554.D

Acq: 19 Jan 2021 13:52

Tgt Ion: 117	Resp: 16253
Ion Ratio	Lower Upper
117 100	
119 5.6	76.7 115.1#
121 0.0	25.4 38.2#

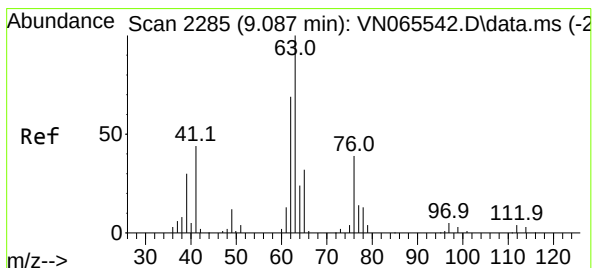
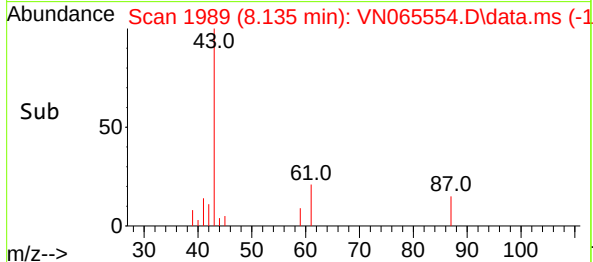
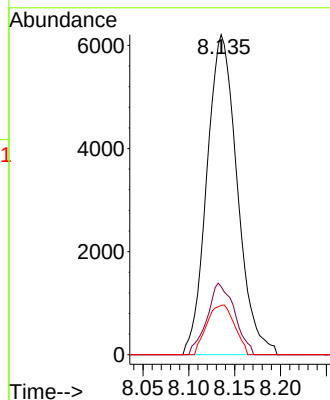
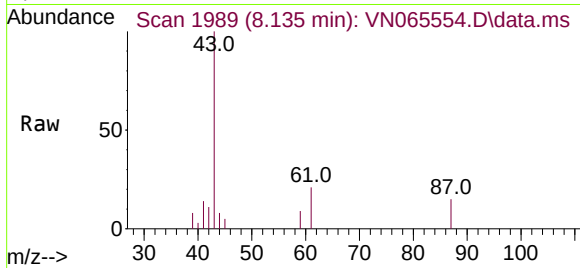




#43
Isopropyl Acetate
Concen: 3.75 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.000 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

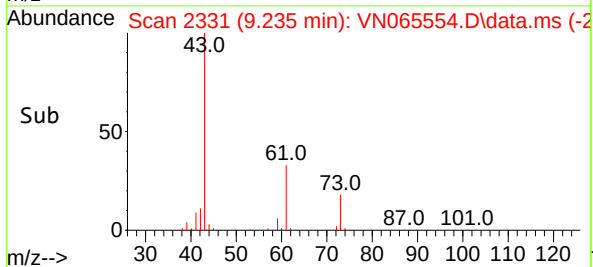
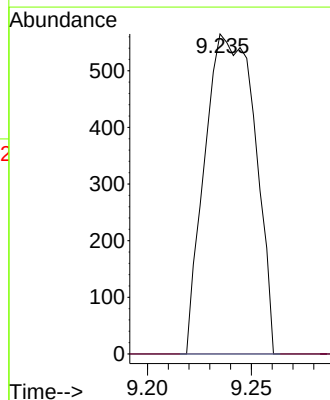
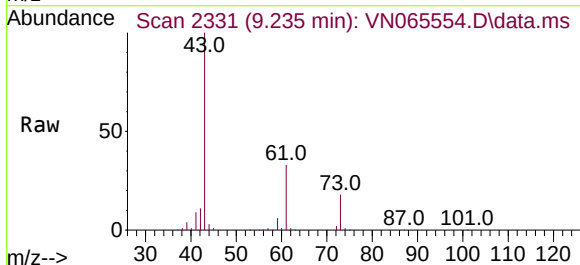
Instrument :
MSVOA_N
ClientSampleId :
BORE-2-ALT

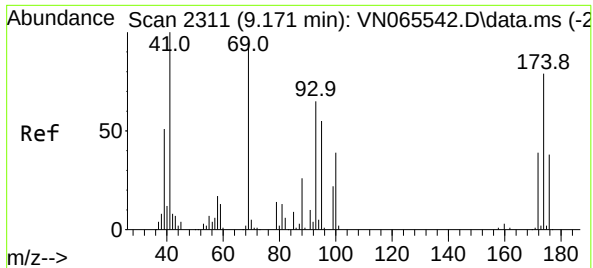
Tgt Ion: 43	Resp: 14311
Ion Ratio	Lower Upper
43 100	
61 20.2	17.2 25.8
87 14.2	11.4 17.0



#45
1,2-Dichloropropane
Concen: 0.43 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.148 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 63	Resp: 945
Ion Ratio	Lower Upper
63 100	
65 0.0	25.0 37.4#

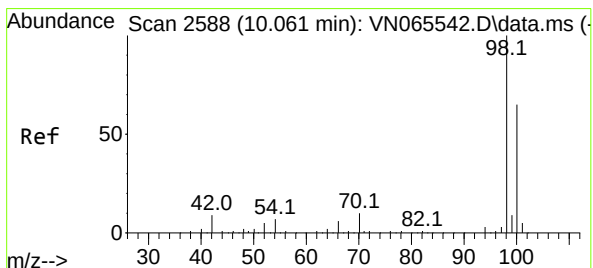
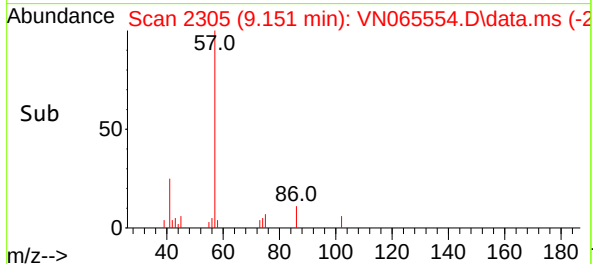
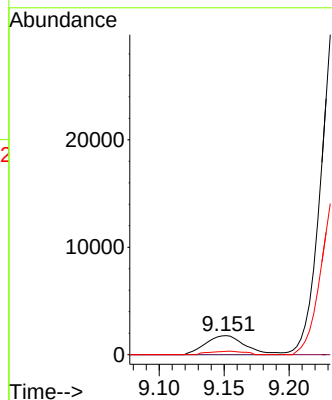
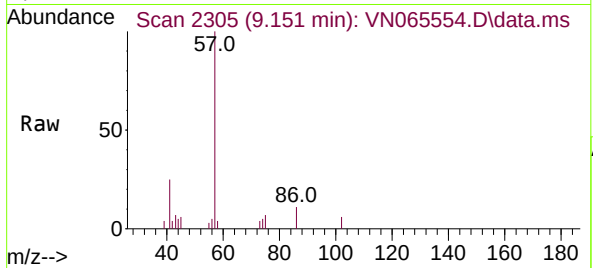




#48
Methyl methacrylate
Concen: 1.99 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.020 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

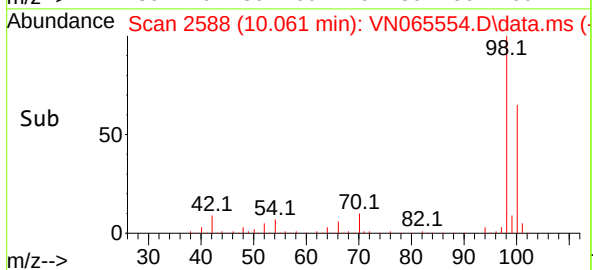
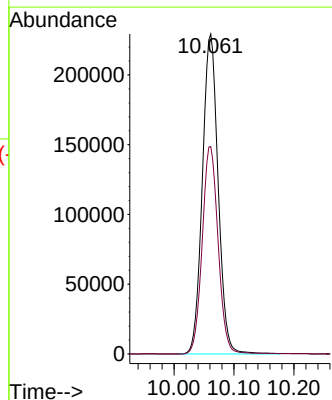
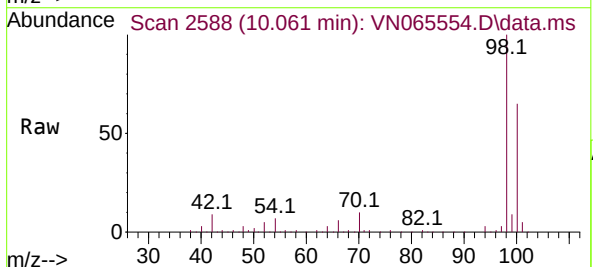
Instrument :
MSVOA_N
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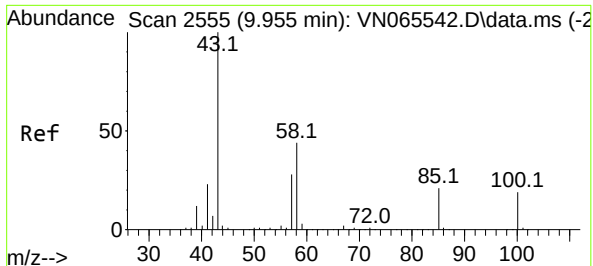
Tgt Ion: 41 Resp: 3758
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 56.11 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 98 Resp: 420258
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5

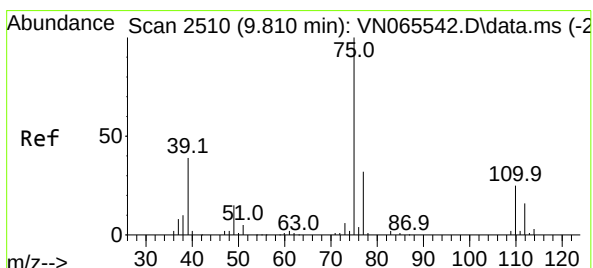
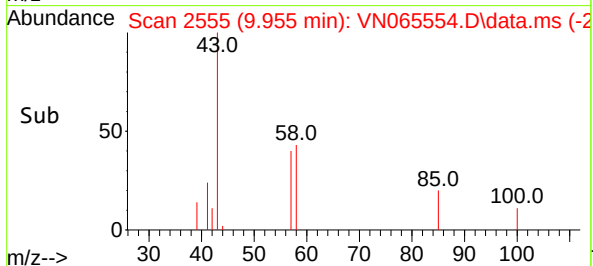
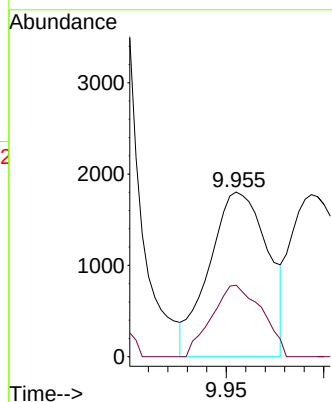
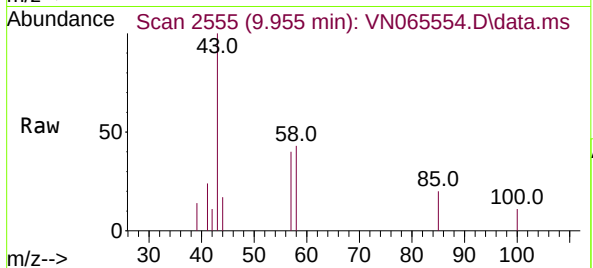




#51
4-Methyl-2-Pentanone
Concen: 1.64 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

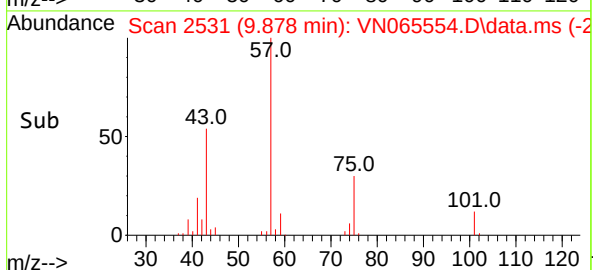
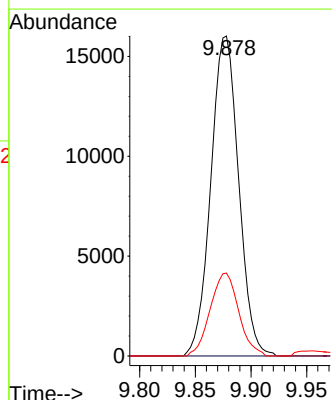
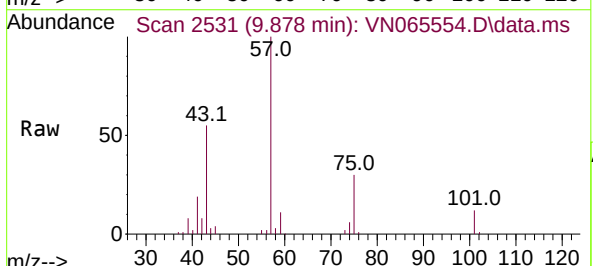
Instrument :
MSVOA_N
ClientSampleId :
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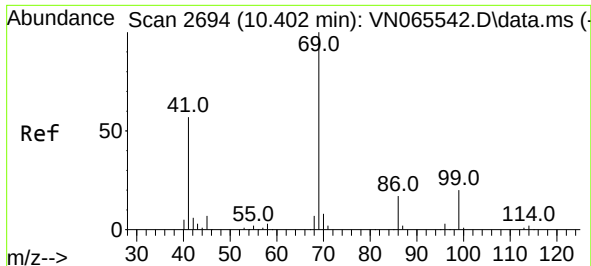
Tgt Ion: 43 Resp: 3772
Ion Ratio Lower Upper
43 100
58 37.4 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 8.00 ug/l
RT: 9.878 min Scan# 2531
Delta R.T. 0.068 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 75 Resp: 27855
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 25.9 35.6 53.4#

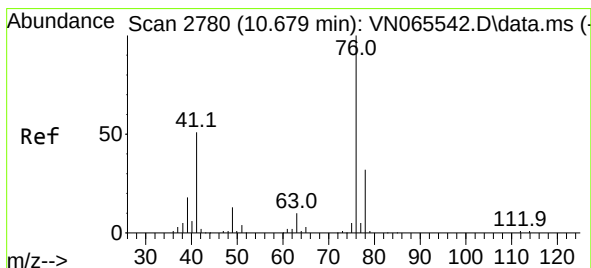
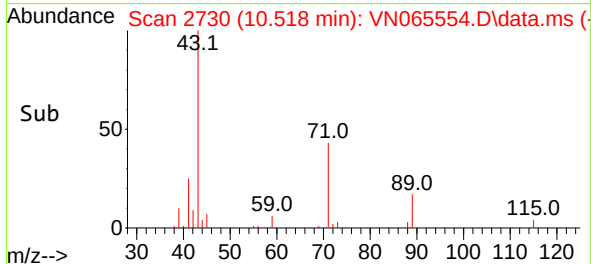
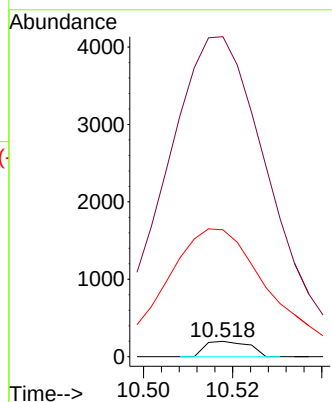
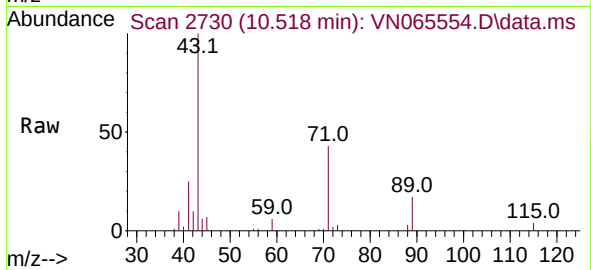




#56
Ethyl methacrylate
Concen: 2.17 ug/l
RT: 10.518 min Scan# 2730
Delta R.T. 0.116 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

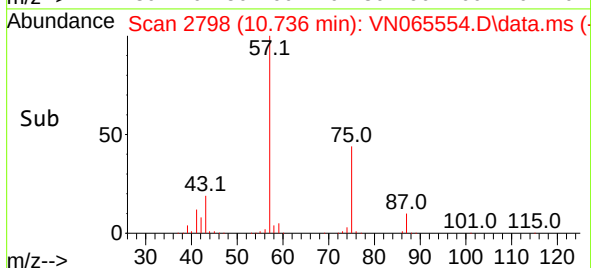
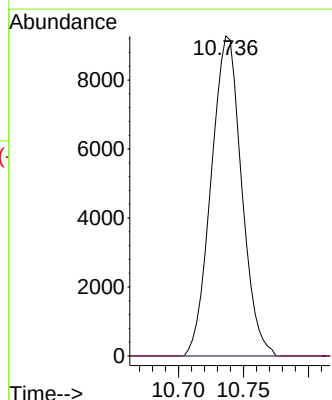
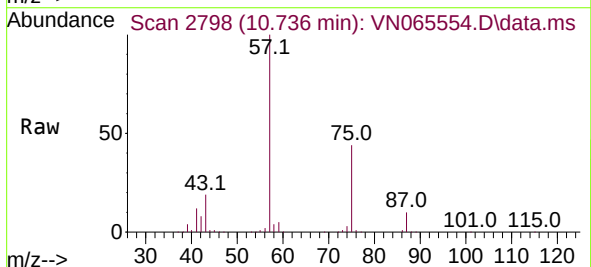
Instrument :
MSVOA_N
ClientSampleId :
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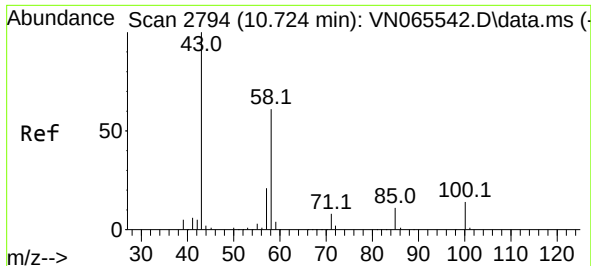
Tgt Ion: 69 Resp: 136
Ion Ratio Lower Upper
69 100
41 5070.6 49.4 74.0#
39 1986.0 25.9 38.9#



#57
1,3-Dichloropropane
Concen: 4.21 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 76 Resp: 15102
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

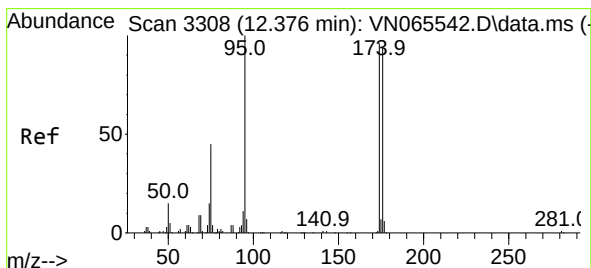
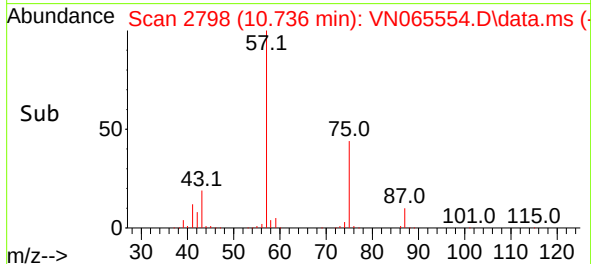
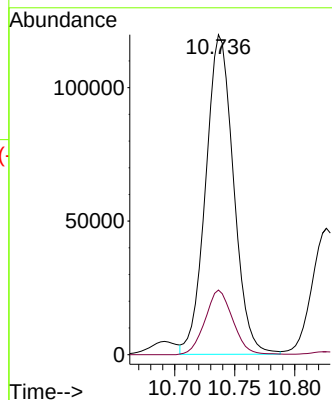
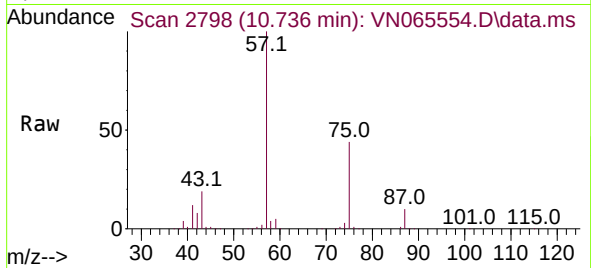




#59
2-Hexanone
Concen: 116.73 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

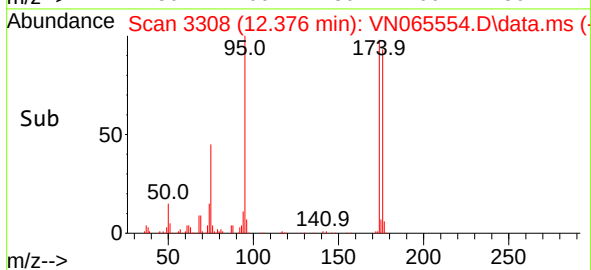
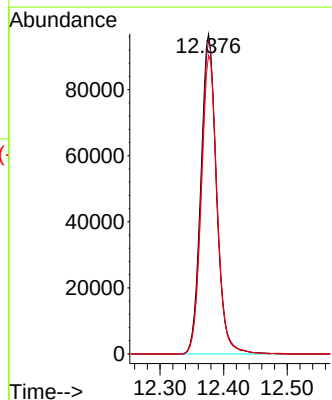
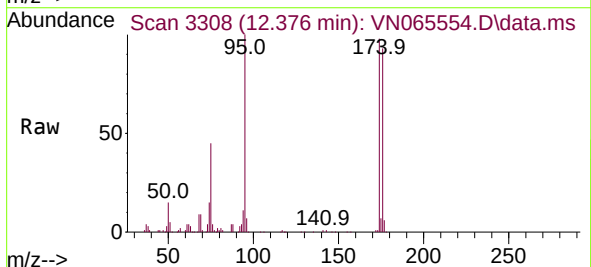
Instrument :
MSVOA_N
ClientSampleId :
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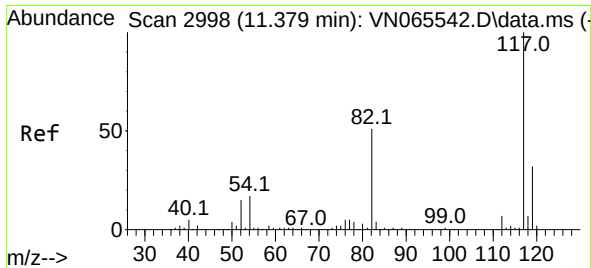
Tgt Ion: 43 Resp: 193328
Ion Ratio Lower Upper
43 100
58 20.2 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 58.79 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 95 Resp: 165251
Ion Ratio Lower Upper
95 100
174 98.0 0.0 160.4
176 93.6 0.0 158.4

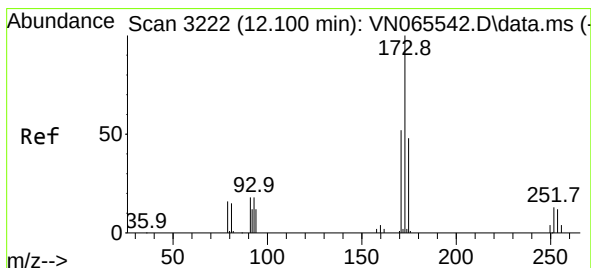
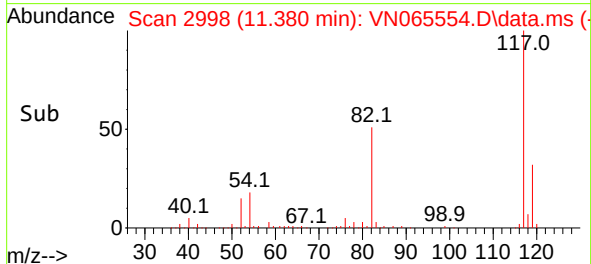
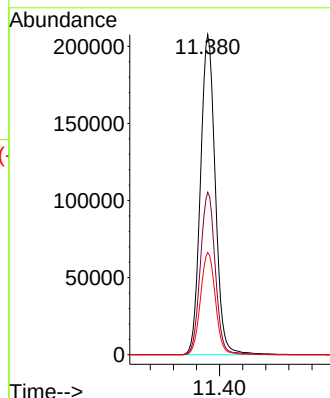
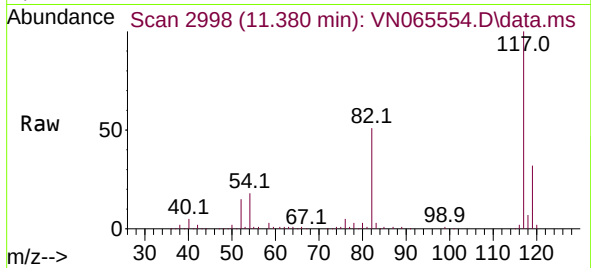




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.001 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

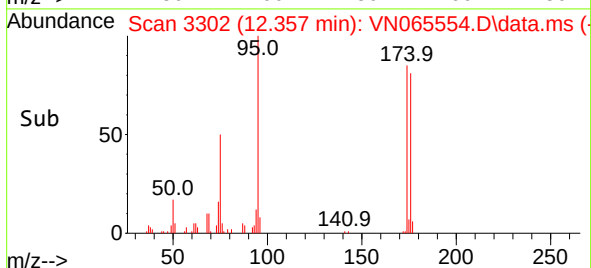
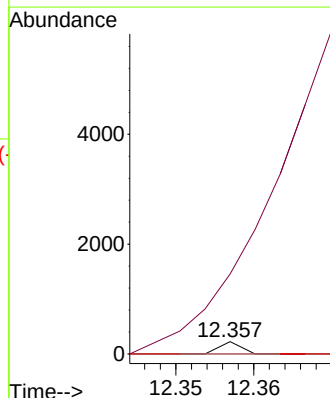
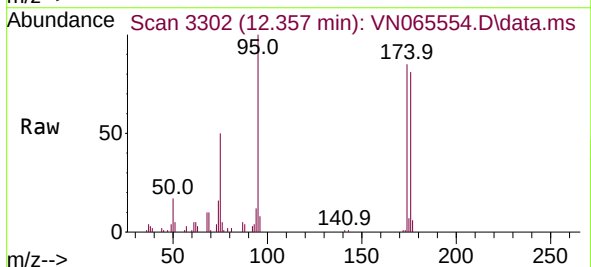
Instrument :
MSVOA_N
ClientSampleId :
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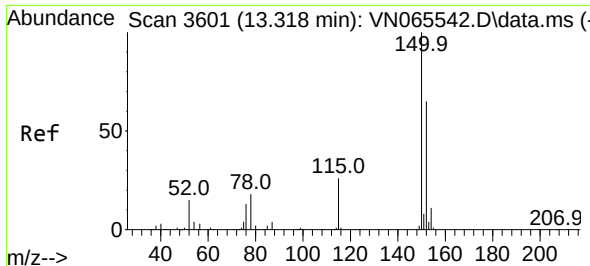
Tgt Ion:117 Resp: 370010
Ion Ratio Lower Upper
117 100
82 50.8 44.2 66.2
119 31.9 25.8 38.6



#71
Bromoform
Concen: 2.84 ug/l
RT: 12.357 min Scan# 3302
Delta R.T. 0.257 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion:173 Resp: 43
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.0 0.0

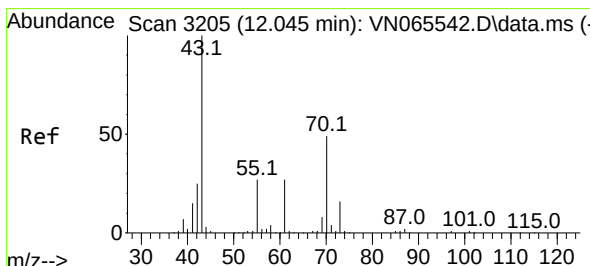
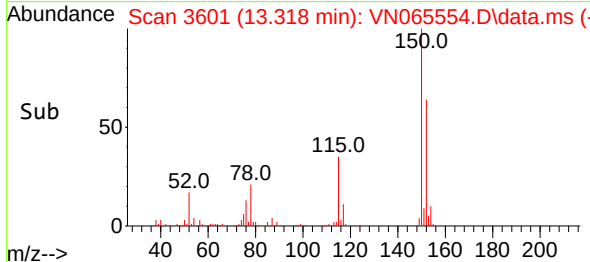
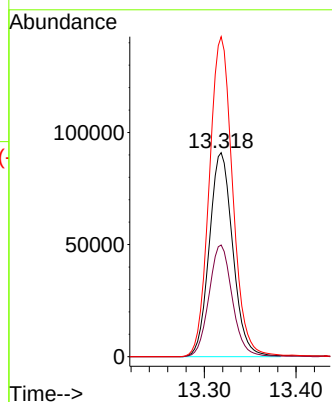
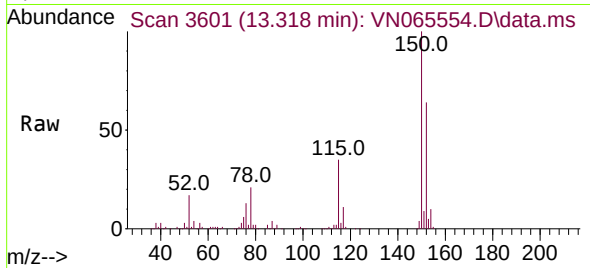




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

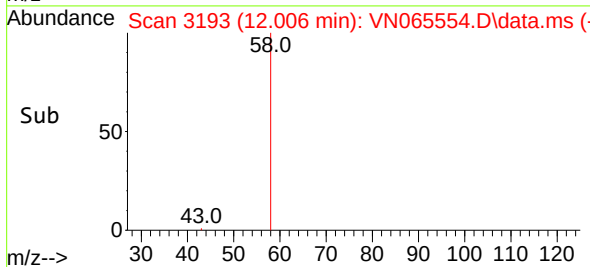
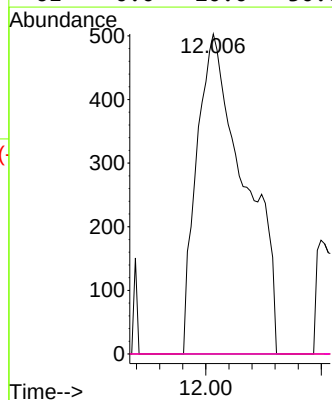
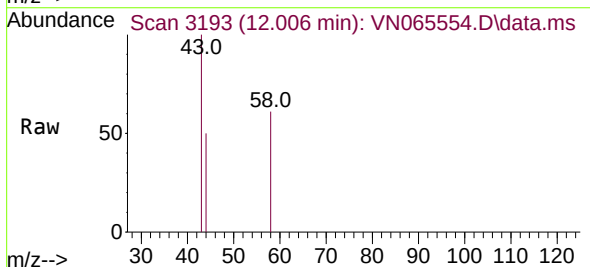
Instrument :
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ClientSampleId :
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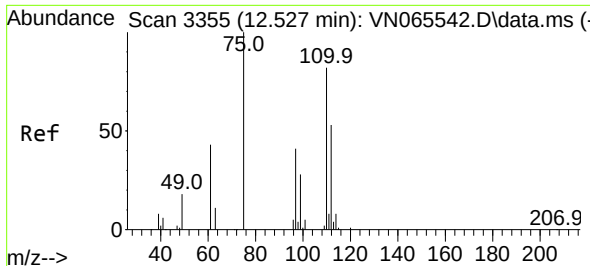
Tgt Ion:152 Resp: 162122
Ion Ratio Lower Upper
152 100
115 54.3 29.7 89.1
150 156.1 0.0 350.6



#74
N-ethyl acetate
Concen: 0.42 ug/l
RT: 12.006 min Scan# 3193
Delta R.T. -0.039 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 0.0 20.4 30.6#
61 0.0 20.0 30.0#

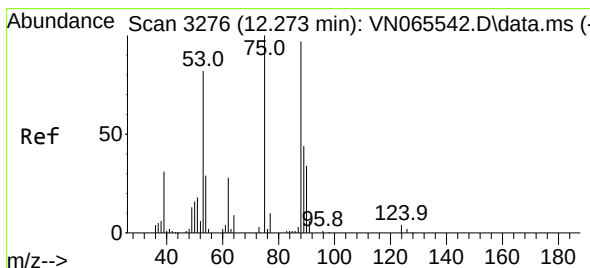
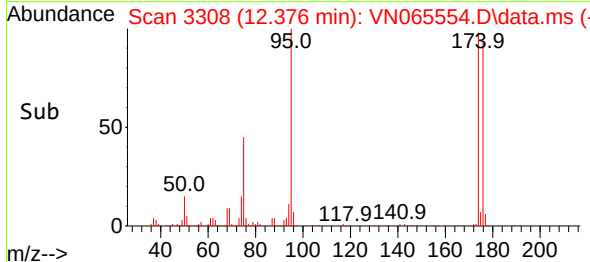
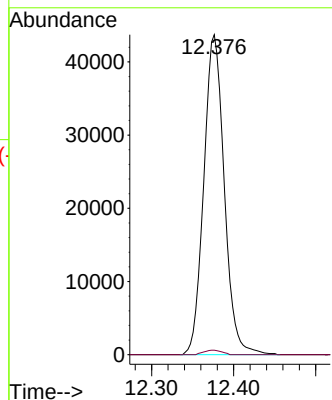
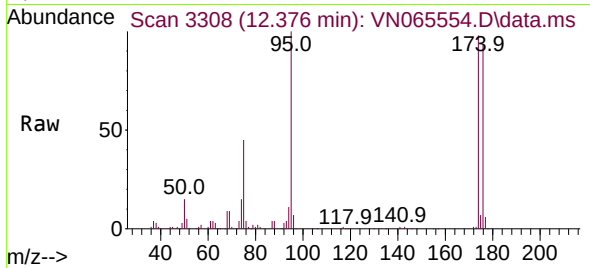




#76
1,2,3-Trichloropropane
Concen: 25.89 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

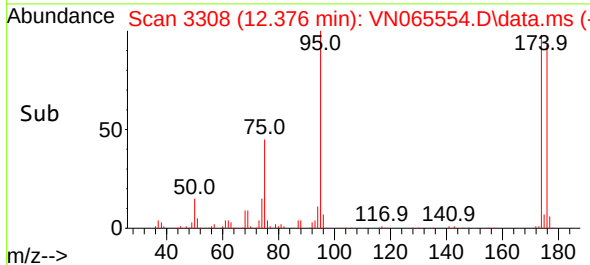
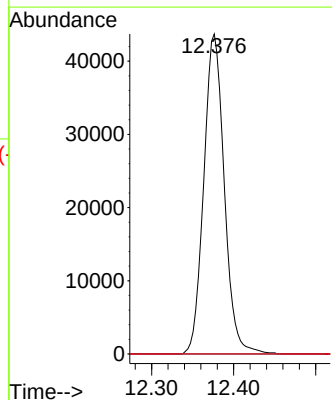
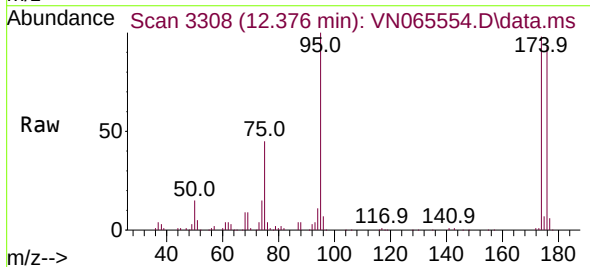
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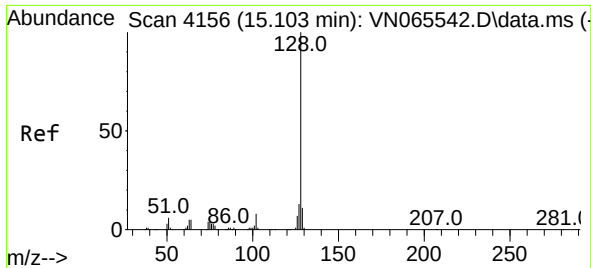
Tgt Ion: 75 Resp: 76008
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.25 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Tgt Ion: 75 Resp: 76008
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
Naphthalene
Concen: 3.24 ug/l
RT: 15.116 min Scan# 4160
Delta R.T. 0.013 min
Lab File: VN065554.D
Acq: 19 Jan 2021 13:52

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:128 Resp: 247
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

