

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011121\
 Data File : VN065478.D
 Acq On : 11 Jan 2021 19:23
 Operator : JC/MD
 Sample : M1044-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

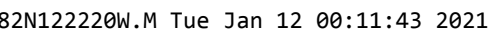
Quant Time: Jan 12 00:11:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.627	168	211764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	351582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	385799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	160037	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	117423	49.12	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.24%		
35) Dibromofluoromethane	7.553	113	105147	49.57	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.14%		
50) Toluene-d8	10.061	98	435834	54.82	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.64%		
62) 4-Bromofluorobenzene	12.376	95	172714	54.43	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.86%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.692	59	276	0.71	ug/l #	73
16) Acetone	3.791	43	9419	Below Cal	#	88
18) Methyl Acetate	4.290	43	1087	0.51	ug/l #	82
20) Methylene Chloride	4.508	84	7429	3.19	ug/l	96
25) 2-Butanone	6.811	43	1257	0.94	ug/l #	49
29) Tetrahydrofuran	7.171	42	234	0.27	ug/l #	32
31) Cyclohexane	7.624	56	3079	0.87	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	13120	4.10	ug/l #	48
38) Carbon Tetrachloride	7.630	117	17444	5.20	ug/l #	17
41) Methacrylonitrile	7.187	41	359	0.22	ug/l #	13
43) Isopropyl Acetate	8.132	43	17045	3.12	ug/l	97
45) 1,2-Dichloropropane	9.238	63	1102	0.45	ug/l #	43
48) Methyl methacrylate	9.148	41	4106	1.55	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	7992	2.60	ug/l	87
52) Toluene	10.126	92	3155	0.53	ug/l	99
54) cis-1,3-Dichloropropene	9.878	75	32333	7.63	ug/l #	60
56) Ethyl methacrylate	10.196	69	2055	0.56	ug/l #	39
57) 1,3-Dichloropropane	10.736	76	17265	4.41	ug/l #	42
59) 2-Hexanone	10.736	43	234722	103.98	ug/l #	49
68) m/p-Xylenes	11.595	106	2083	0.39	ug/l	94
71) Bromoform	12.376	173	836	0.32	ug/l #	1
74) N-amyl acetate	12.003	43	1428	0.29	ug/l #	42
76) 1,2,3-Trichloropropane	12.376	75	83549	25.59	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	83549	64.53	ug/l #	15

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

Quant Time: Jan 12 00:11:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

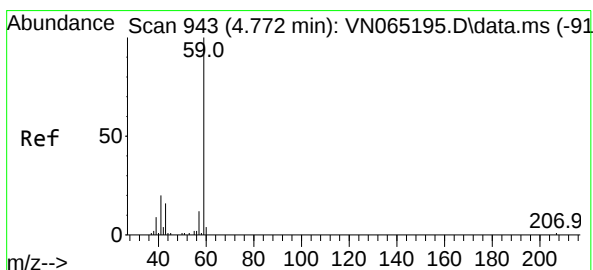
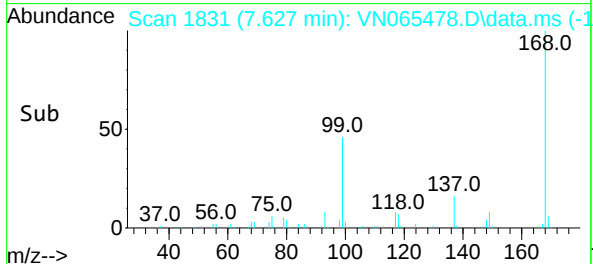
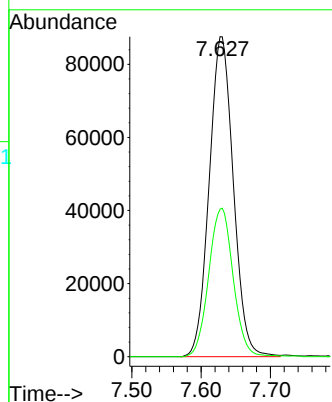
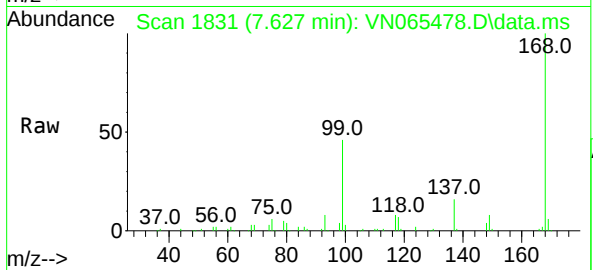




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

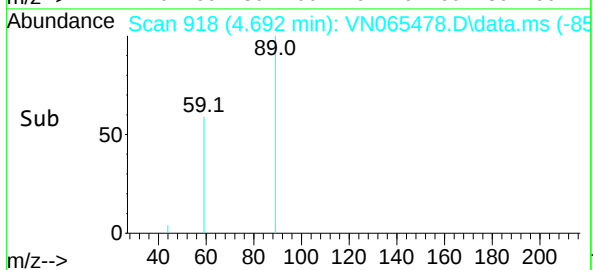
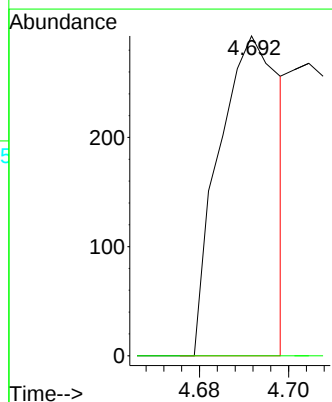
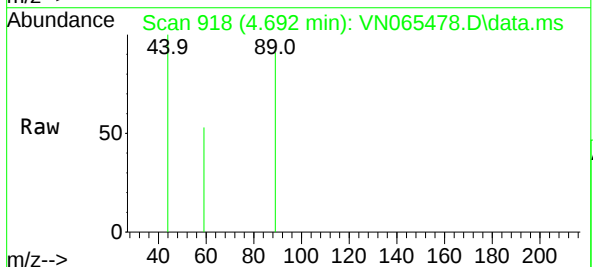
Instrument :
MSVOA_N
ClientSampled :

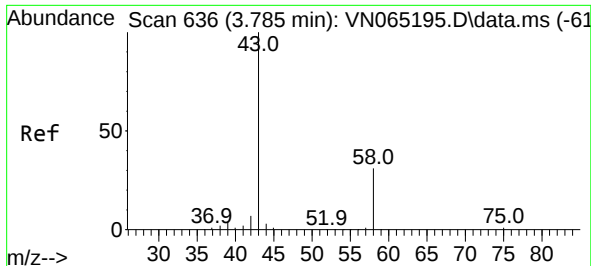
Tgt Ion:168 Resp: 211764
Ion Ratio Lower Upper
168 100
99 46.1 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.71 ug/l
RT: 4.692 min Scan# 918
Delta R.T. -0.080 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion: 59 Resp: 276
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

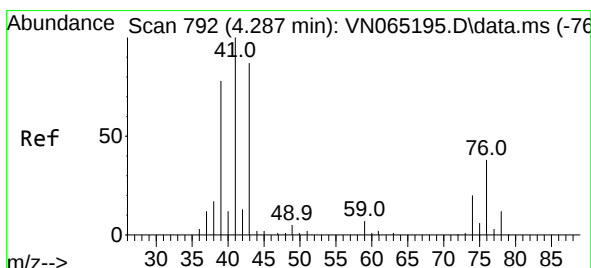
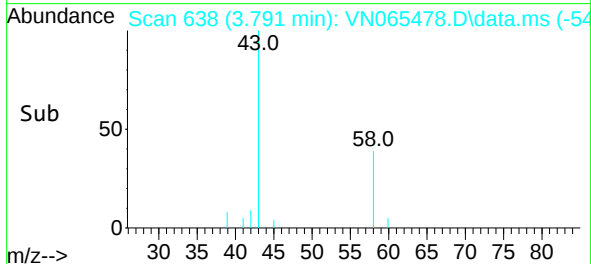
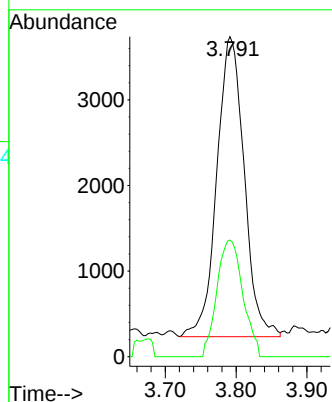
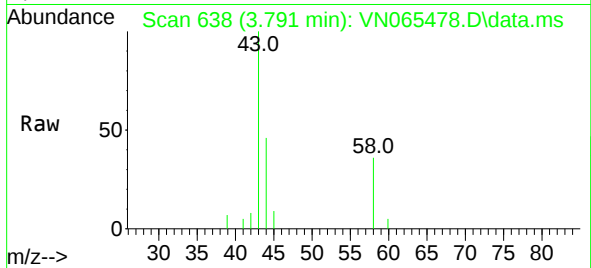




#16
Acetone
Concen: Below Cal
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

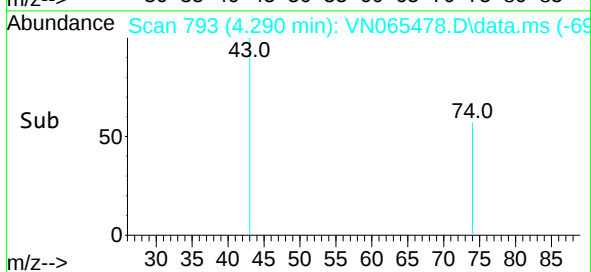
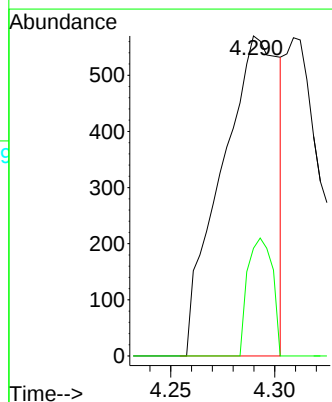
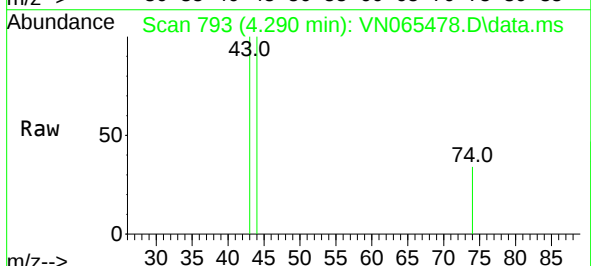
Instrument :
MSVOA_N
ClientSampled :

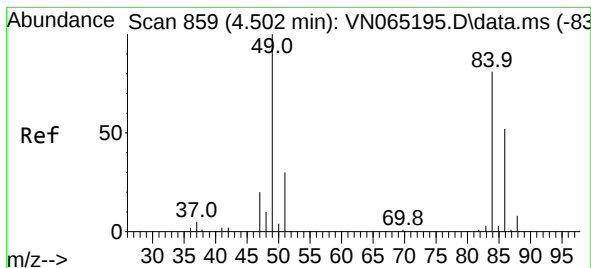
Tgt Ion: 43 Resp: 9419
Ion Ratio Lower Upper
43 100
58 38.9 25.7 38.5#



#18
Methyl Acetate
Concen: 0.51 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.003 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion: 43 Resp: 1087
Ion Ratio Lower Upper
43 100
74 15.9 20.2 30.2#





#20

Methylene Chloride

Concen: 3.19 ug/l

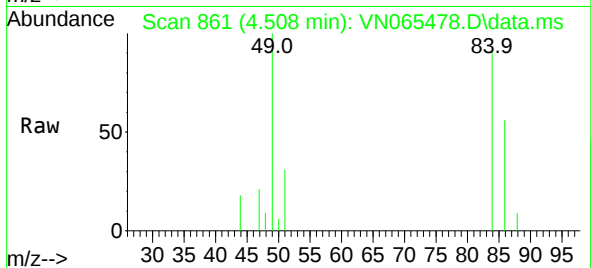
RT: 4.508 min Scan# 861

Delta R.T. 0.006 min

Lab File: VN065478.D

Acq: 11 Jan 2021 19:23

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 7429

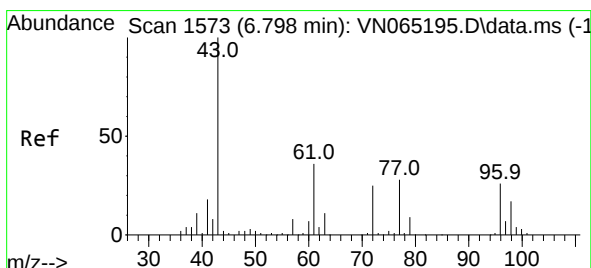
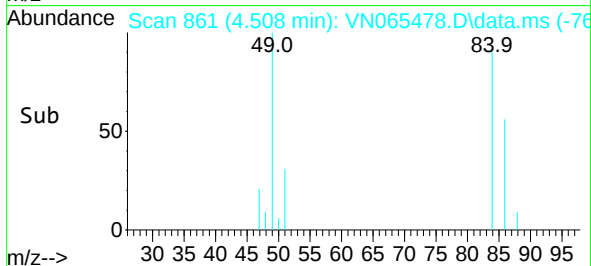
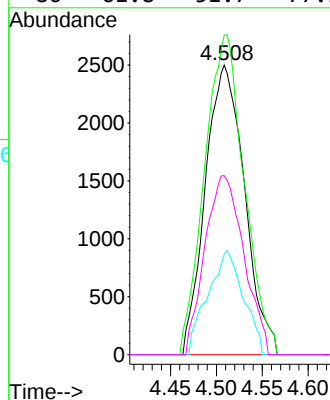
Ion Ratio Lower Upper

84 100

49 110.4 93.4 140.0

51 34.7 28.2 42.4

86 61.8 51.7 77.5



#25

2-Butanone

Concen: 0.94 ug/l

RT: 6.811 min Scan# 1577

Delta R.T. 0.013 min

Lab File: VN065478.D

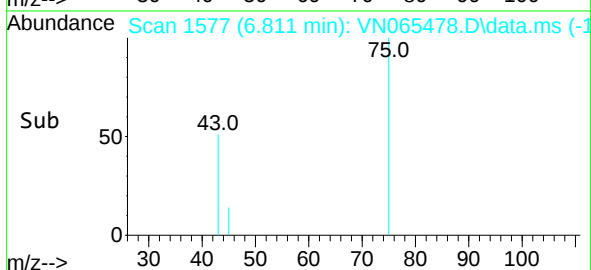
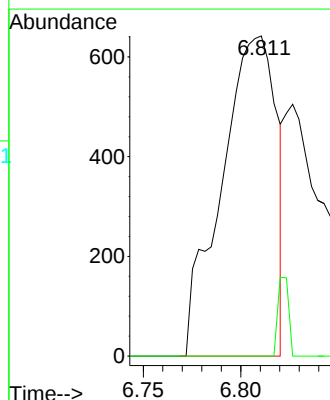
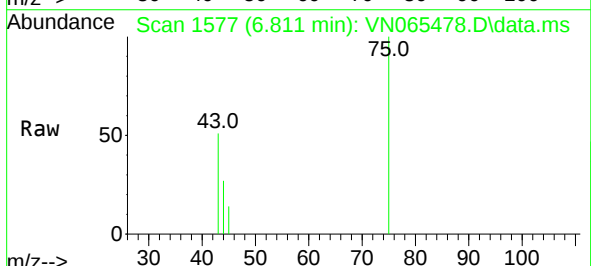
Acq: 11 Jan 2021 19:23

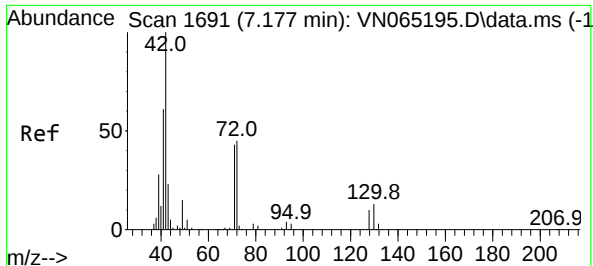
Tgt Ion: 43 Resp: 1257

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#





#29

Tetrahydrofuran

Concen: 0.27 ug/l

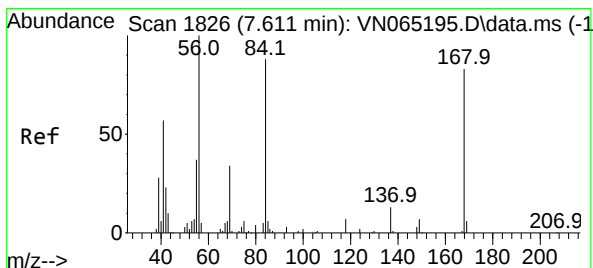
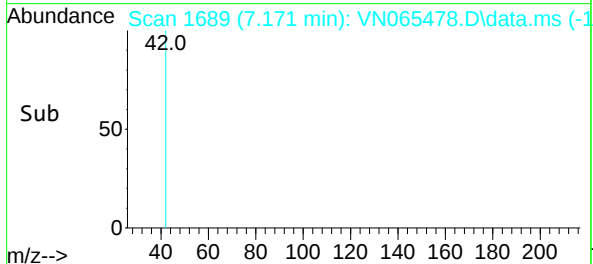
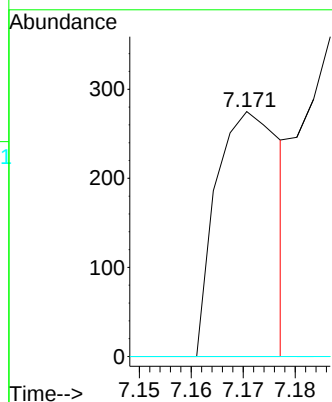
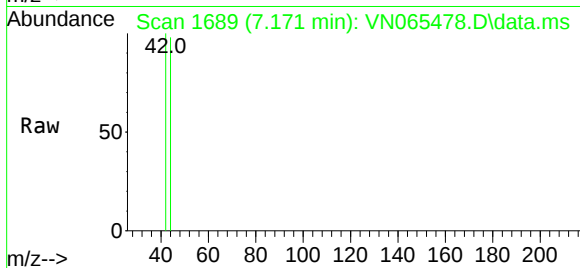
RT: 7.171 min Scan# 1689

Delta R.T. -0.006 min

Lab File: VN065478.D

Acq: 11 Jan 2021 19:23

Tgt Ion:	42	Resp:	234
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 0.87 ug/l

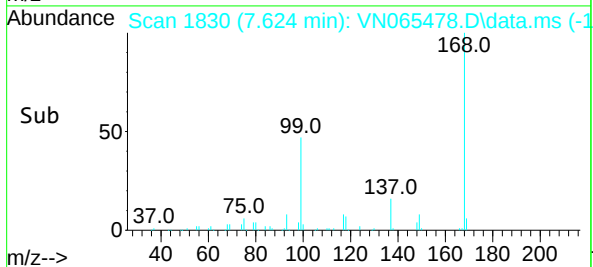
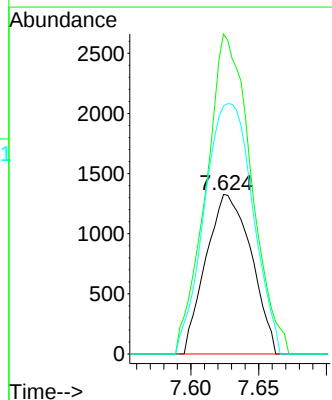
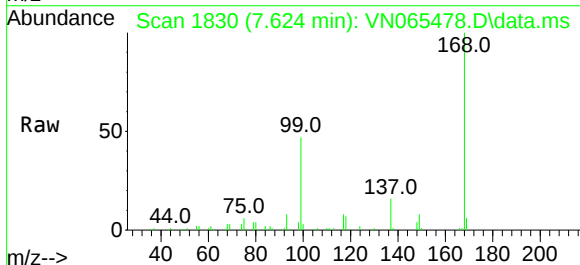
RT: 7.624 min Scan# 1830

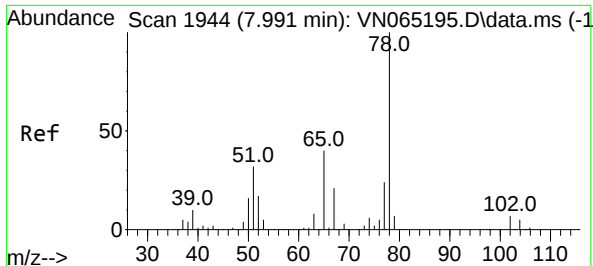
Delta R.T. 0.013 min

Lab File: VN065478.D

Acq: 11 Jan 2021 19:23

Tgt Ion:	56	Resp:	3079
Ion	Ratio	Lower	Upper
56	100		
69	184.8	27.5	41.3#
84	155.6	73.9	110.9#

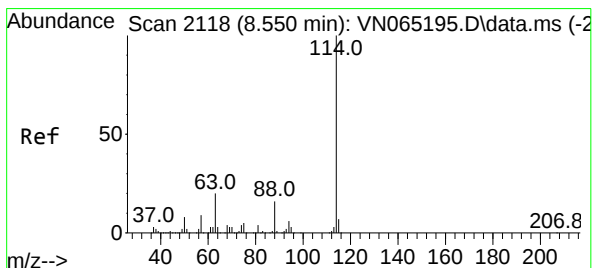
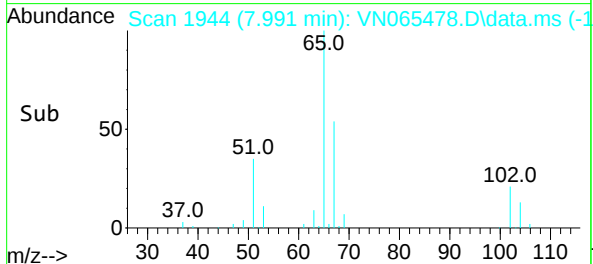
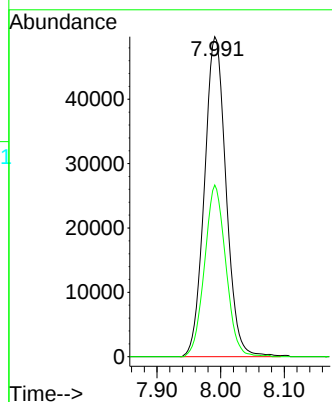
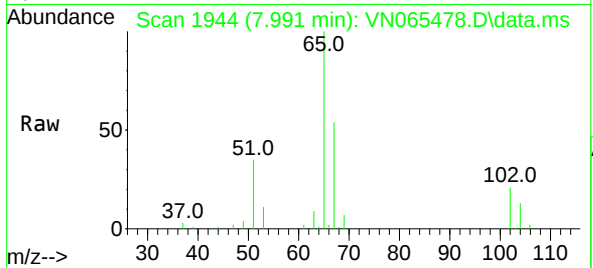




#33
1,2-Dichloroethane-d4
Concen: 49.12 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

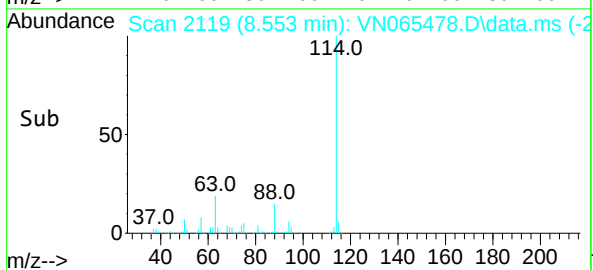
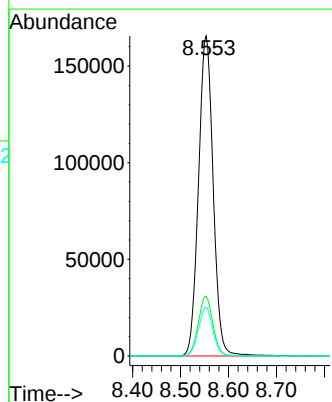
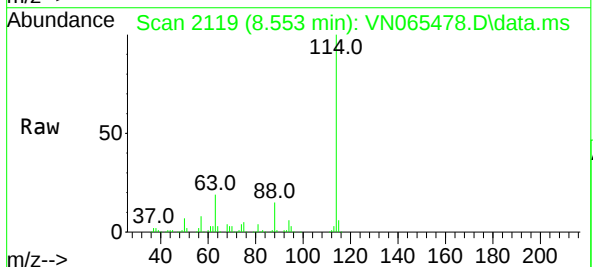
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 65 Resp: 117423
Ion Ratio Lower Upper
65 100
67 52.6 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: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion: 114 Resp: 351582
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.6
88 15.3 0.0 32.6

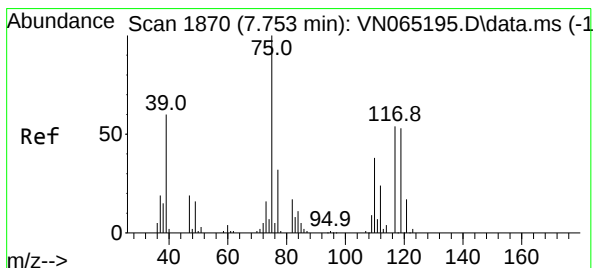
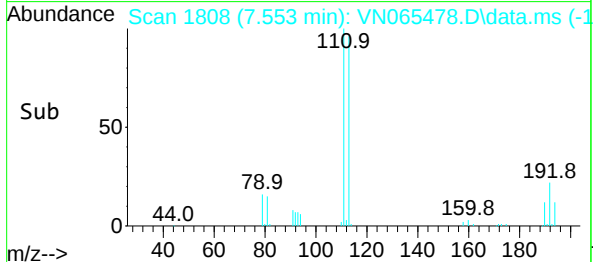
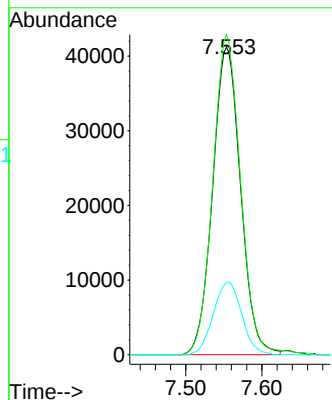
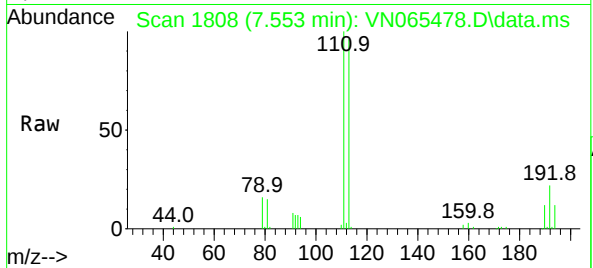




#35
Dibromofluoromethane
Concen: 49.57 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

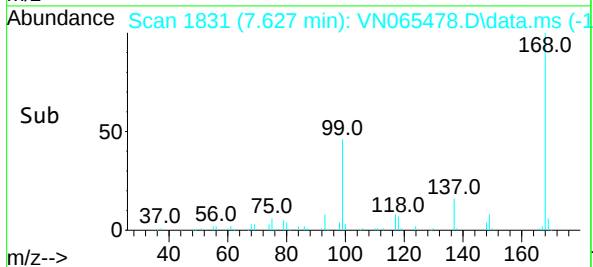
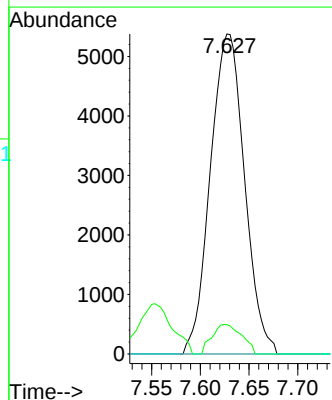
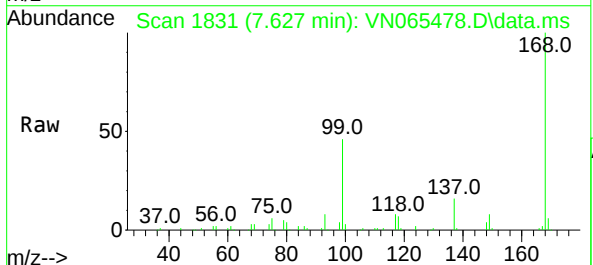
Instrument :
MSVOA_N
ClientSampled :

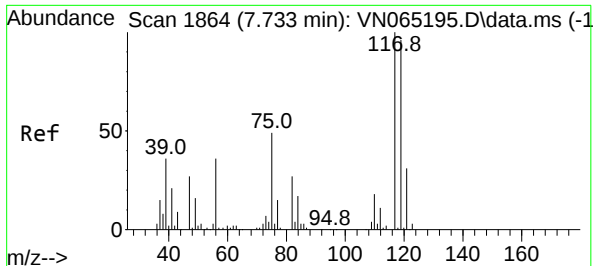
Tgt Ion:113 Resp: 105147
Ion Ratio Lower Upper
113 100
111 103.6 81.6 122.4
192 24.0 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.10 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

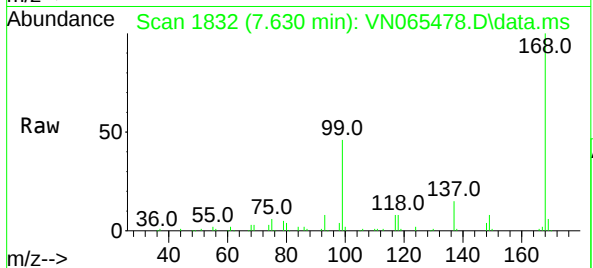
Tgt Ion: 75 Resp: 13120
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.3#
77 0.0 25.0 37.4#



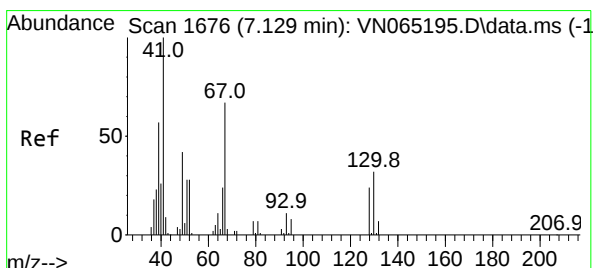
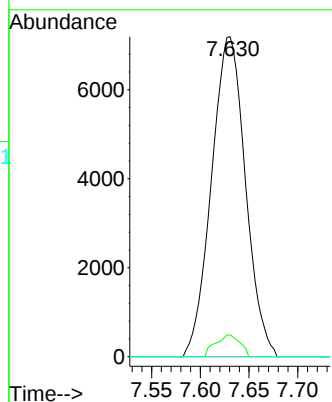
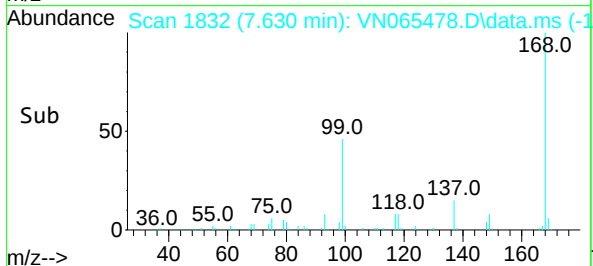


#38
Carbon Tetrachloride
Concen: 5.20 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

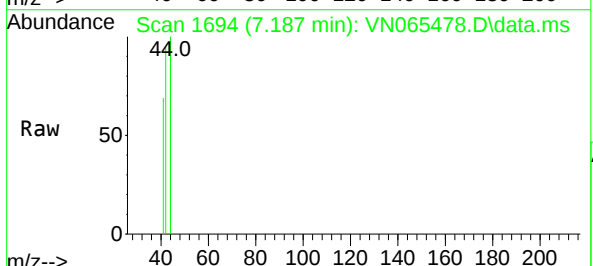
Instrument :
MSVOA_N
ClientSampleId :



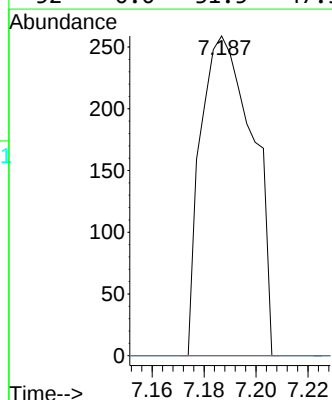
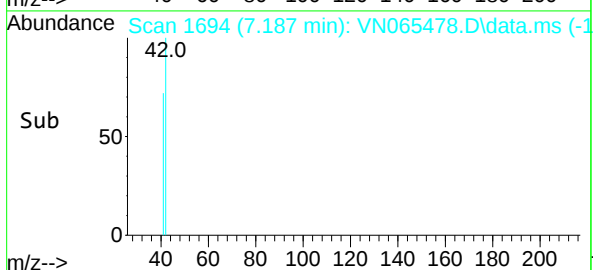
Tgt Ion:117 Resp: 17444
Ion Ratio Lower Upper
117 100
119 6.9 76.7 115.1#
121 0.0 25.4 38.2#

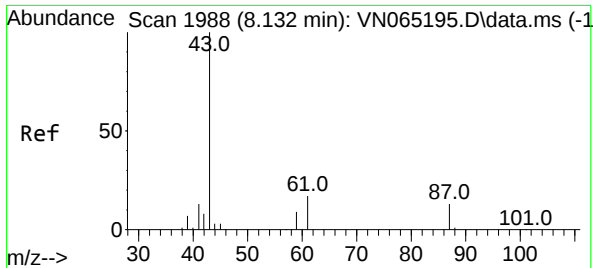


#41
Methacrylonitrile
Concen: 0.22 ug/l
RT: 7.187 min Scan# 1694
Delta R.T. 0.058 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23



Tgt Ion: 41 Resp: 359
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 79.8 119.8#
52 0.0 31.5 47.3#

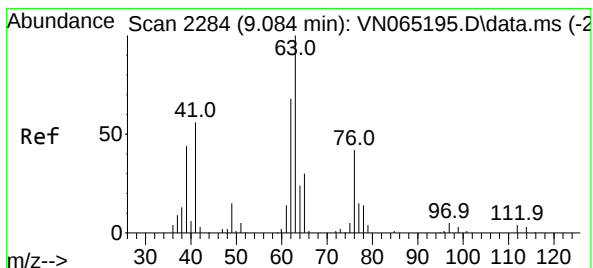
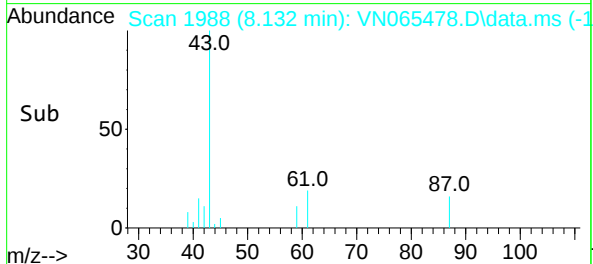
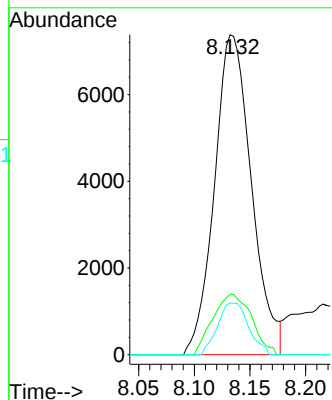
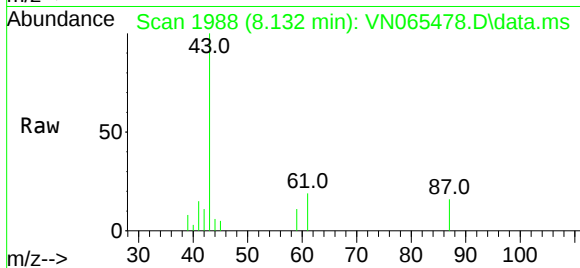




#43
Isopropyl Acetate
Concen: 3.12 ug/l
RT: 8.132 min Scan# 1988
Delta R.T. 0.000 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

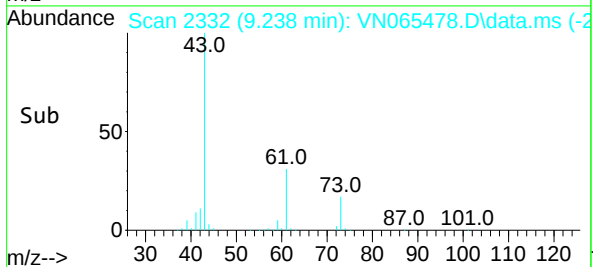
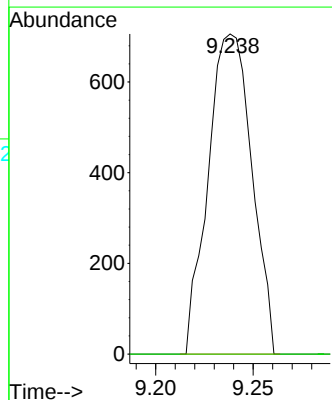
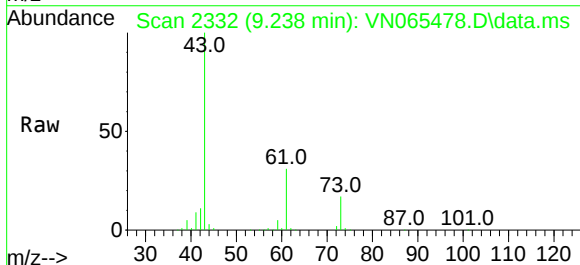
Instrument :
MSVOA_N
ClientSampled :

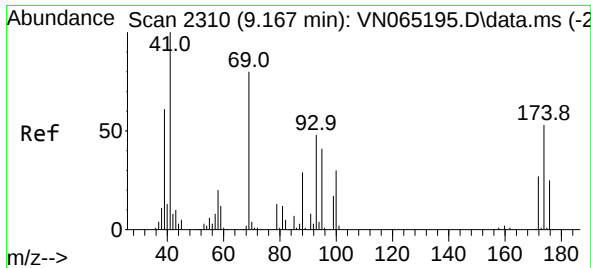
Tgt Ion:	43	Resp:	17045
Ion	Ratio	Lower	Upper
43	100		
61	19.8	17.2	25.8
87	13.5	11.4	17.0



#45
1,2-Dichloropropane
Concen: 0.45 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion:	63	Resp:	1102
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

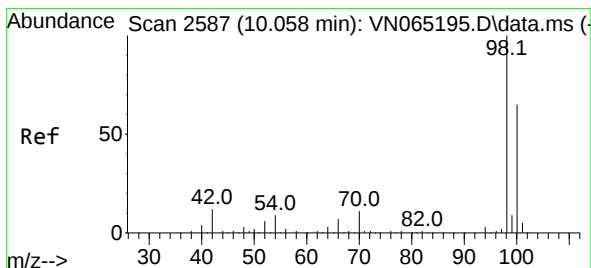
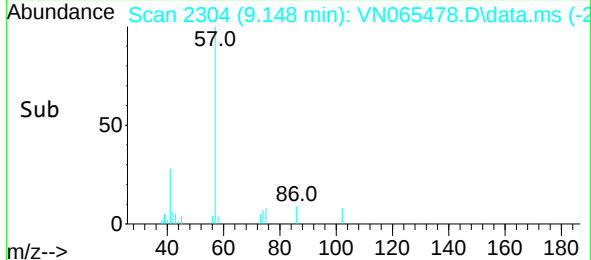
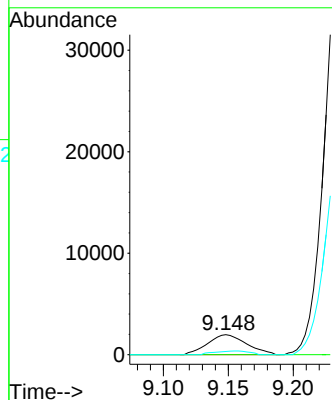
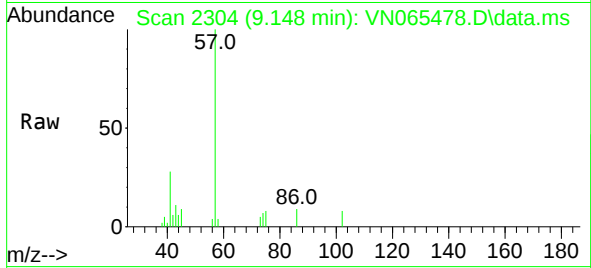




#48
Methyl methacrylate
Concen: 1.55 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

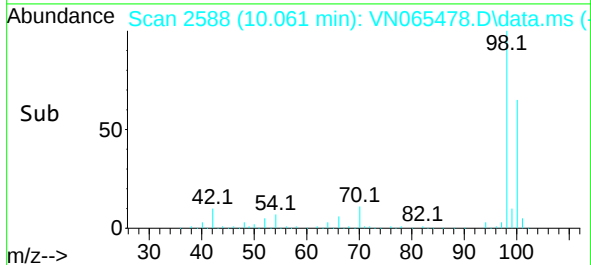
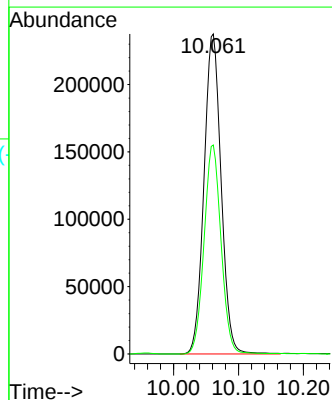
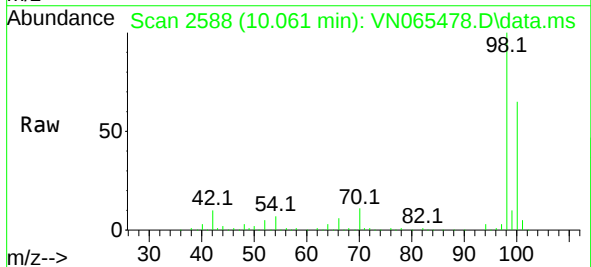
Instrument :
MSVOA_N
ClientSampled :

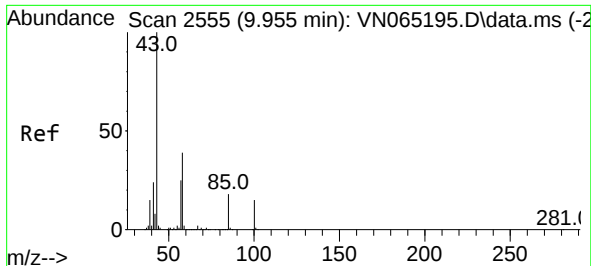
Tgt Ion: 41 Resp: 4106
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 54.82 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion: 98 Resp: 435834
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

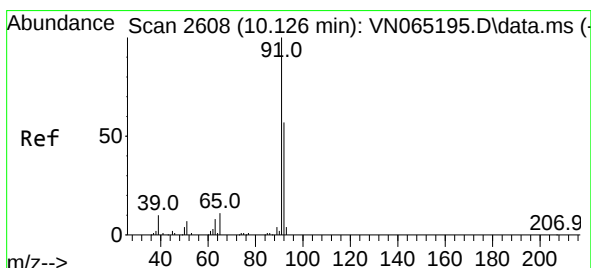
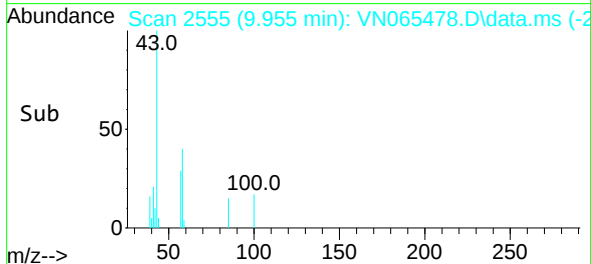
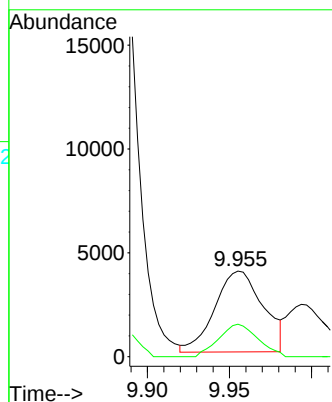
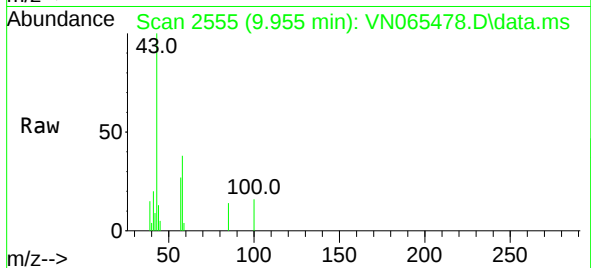




#51
4-Methyl-2-Pentanone
Concen: 2.60 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

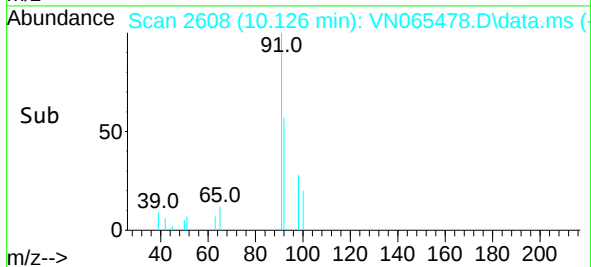
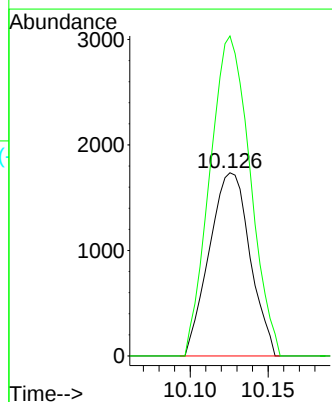
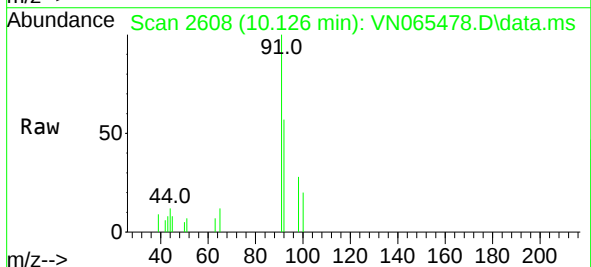
Instrument :
MSVOA_N
ClientSampleId :

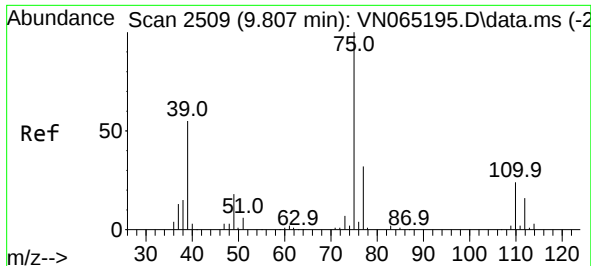
Tgt Ion: 43 Resp: 7992
Ion Ratio Lower Upper
43 100
58 32.4 32.4 48.6



#52
Toluene
Concen: 0.53 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion: 92 Resp: 3155
Ion Ratio Lower Upper
92 100
91 172.7 139.1 208.7

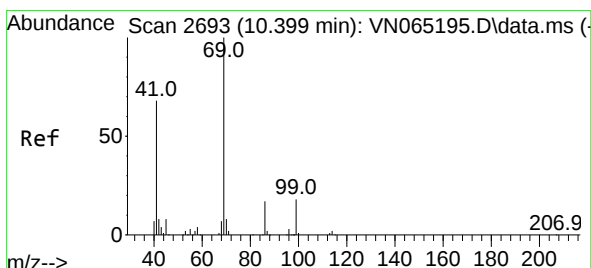
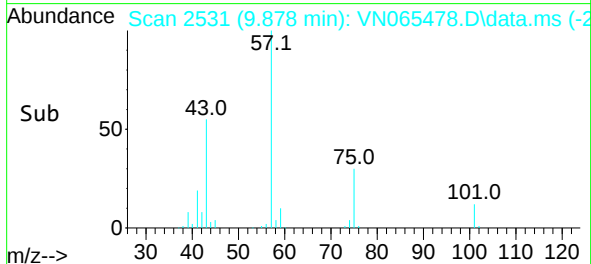
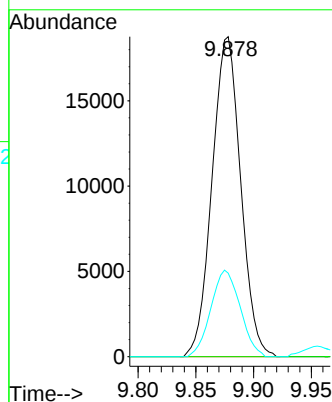
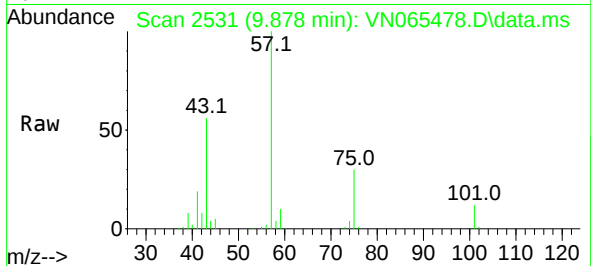




#54
 cis-1,3-Dichloropropene
 Concen: 7.63 ug/l
 RT: 9.878 min Scan# 2531
 Delta R.T. 0.071 min
 Lab File: VN065478.D
 Acq: 11 Jan 2021 19:23

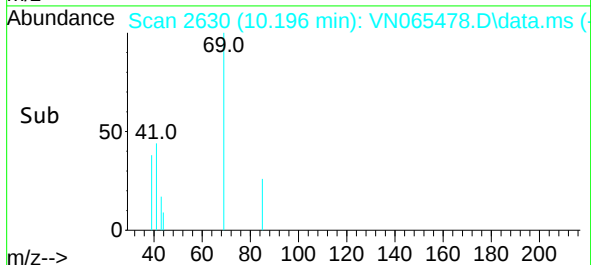
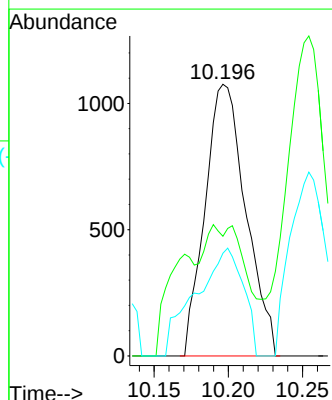
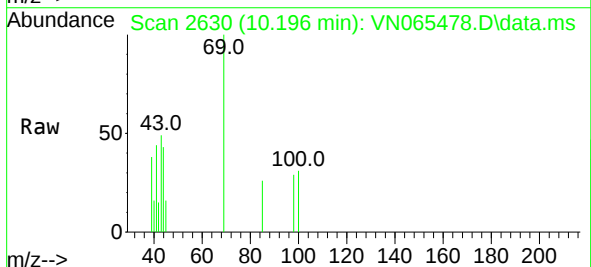
Instrument :
 MSVOA_N
 ClientSampled :

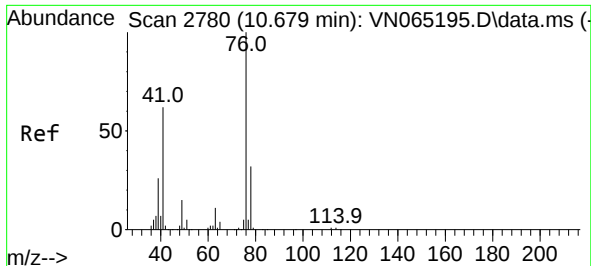
Tgt Ion: 75 Resp: 32333
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 26.1 35.6 53.4#



#56
 Ethyl methacrylate
 Concen: 0.56 ug/l
 RT: 10.196 min Scan# 2630
 Delta R.T. -0.203 min
 Lab File: VN065478.D
 Acq: 11 Jan 2021 19:23

Tgt Ion: 69 Resp: 2055
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.4 74.0#
 39 46.4 25.9 38.9#

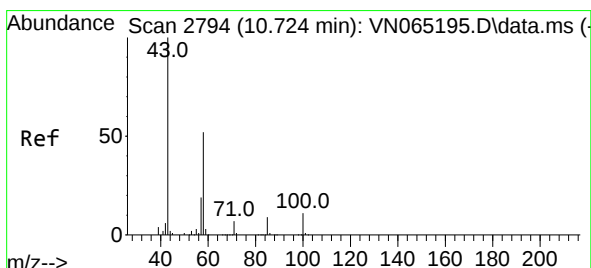
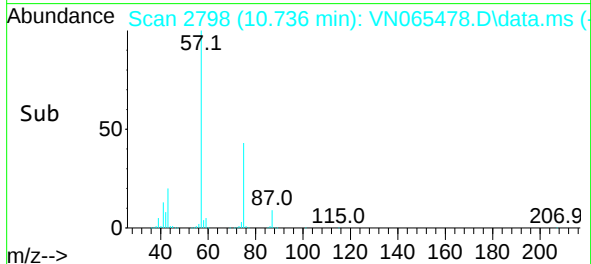
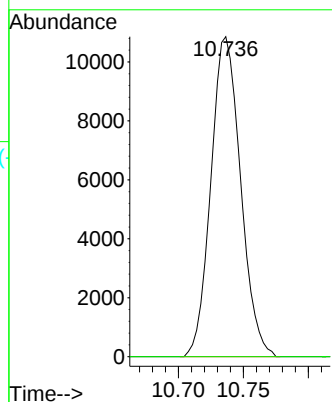
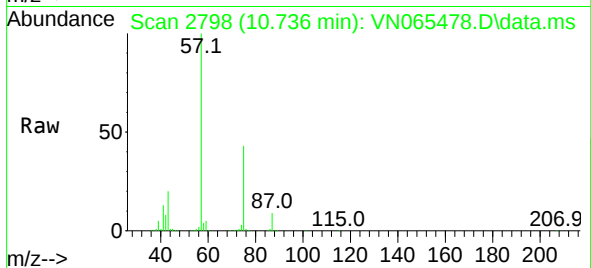




#57
1,3-Dichloropropane
Concen: 4.41 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

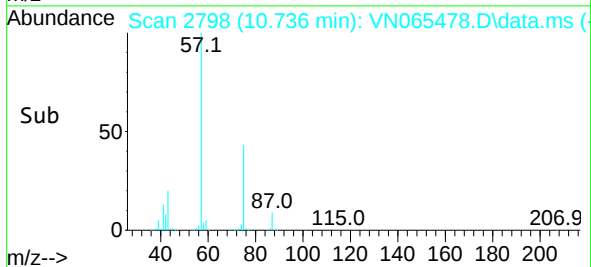
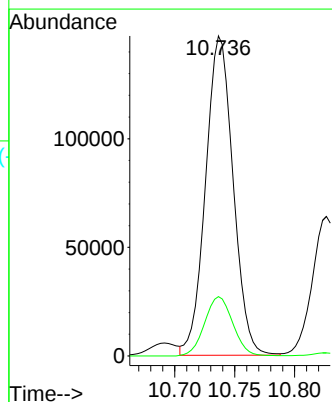
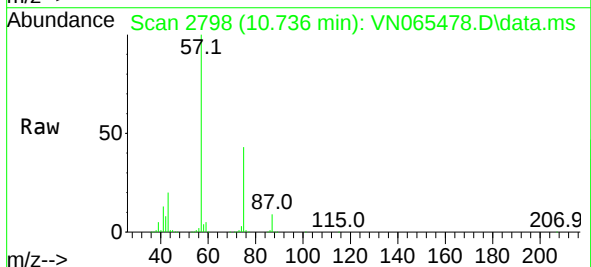
Instrument :
MSVOA_N
ClientSampled :

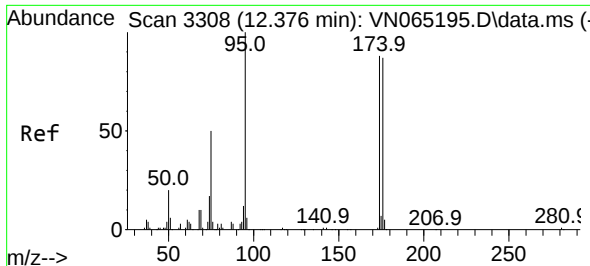
Tgt Ion: 76 Resp: 17265
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 103.98 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion: 43 Resp: 234722
Ion Ratio Lower Upper
43 100
58 19.1 28.3 84.9#

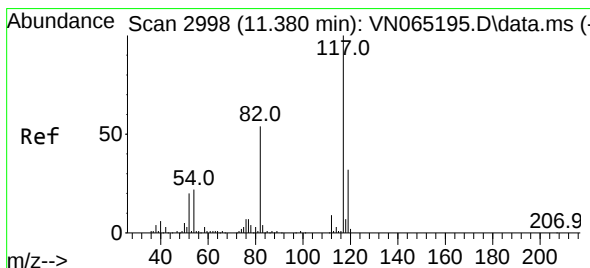
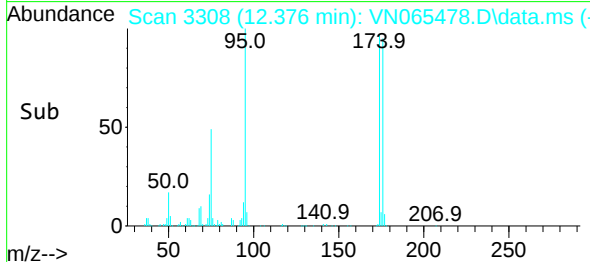
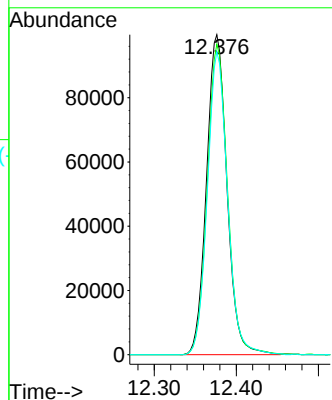
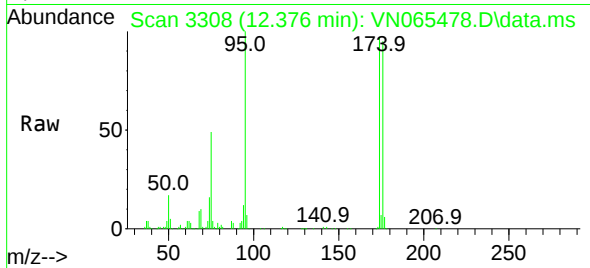




#62
4-Bromofluorobenzene
Concen: 54.43 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

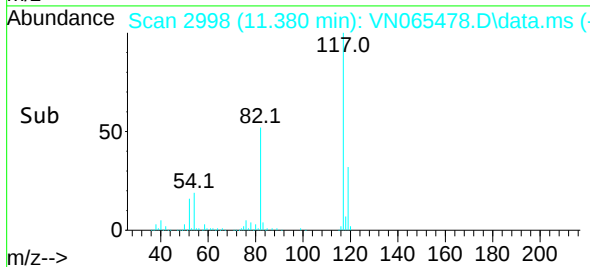
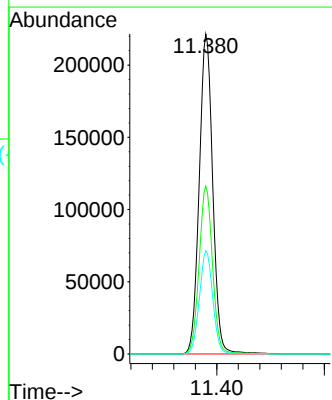
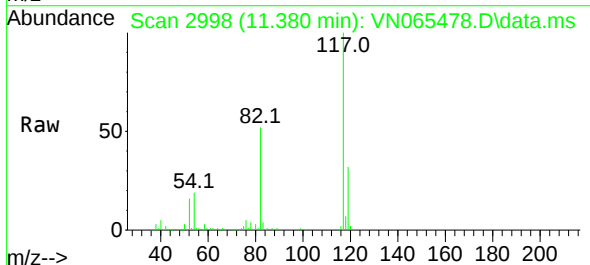
Instrument :
MSVOA_N
ClientSampleId :

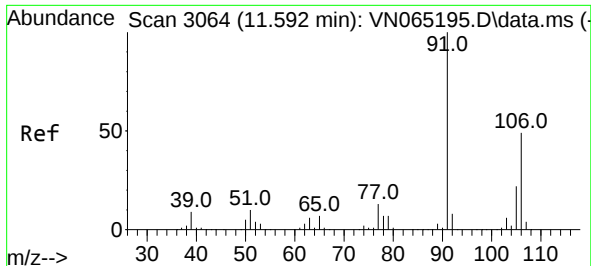
Tgt Ion: 95 Resp: 172714
Ion Ratio Lower Upper
95 100
174 96.3 0.0 160.4
176 93.1 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion: 117 Resp: 385799
Ion Ratio Lower Upper
117 100
82 52.4 44.2 66.2
119 32.3 25.8 38.6

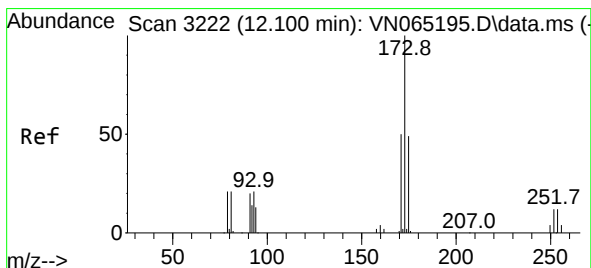
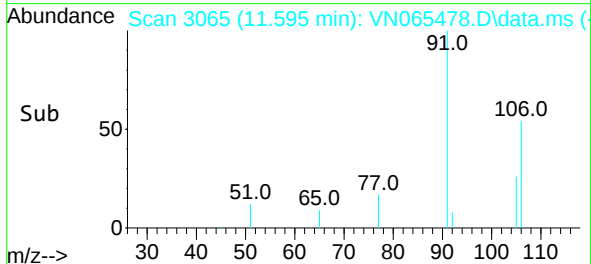
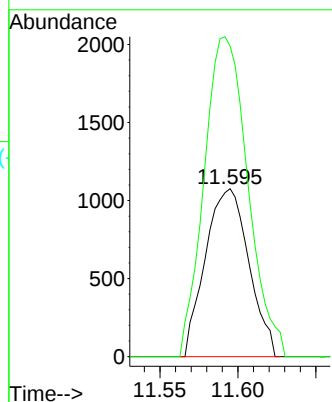
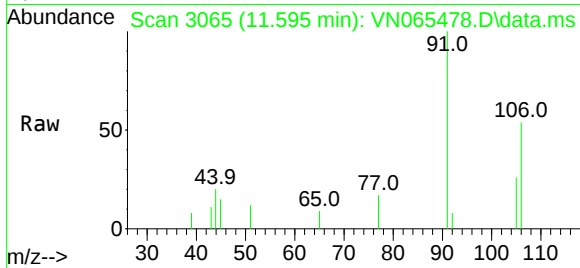




#68
m/p-Xylenes
Concen: 0.39 ug/l
RT: 11.595 min Scan# 3065
Delta R.T. 0.003 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

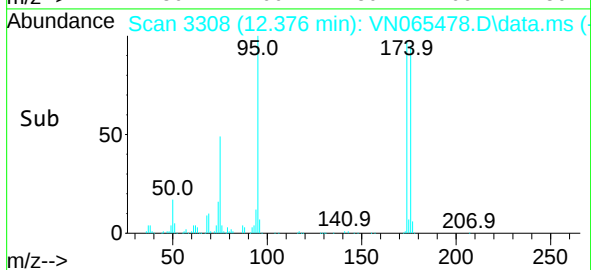
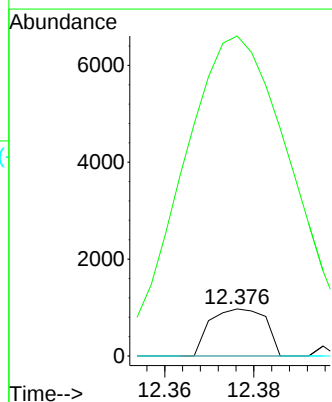
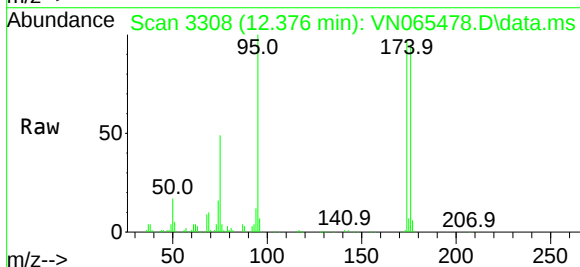
Instrument :
MSVOA_N
ClientSampled :

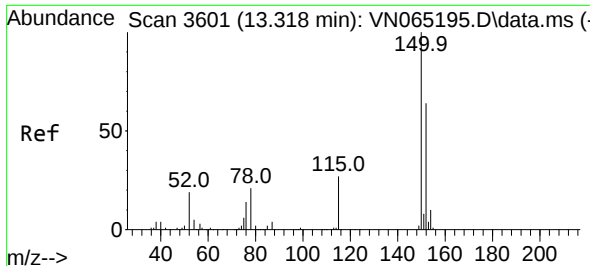
Tgt Ion:106 Resp: 2083
Ion Ratio Lower Upper
106 100
91 191.6 161.0 241.4



#71
Bromoform
Concen: 0.32 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion:173 Resp: 836
Ion Ratio Lower Upper
173 100
175 1137.2 24.3 72.8#
254 0.0 0.0 0.0

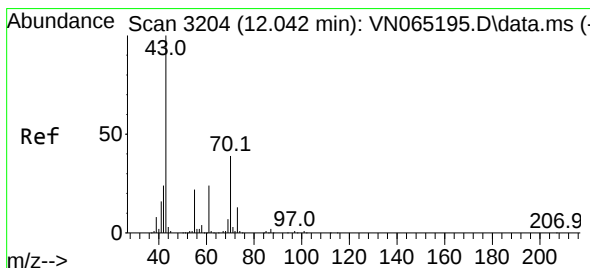
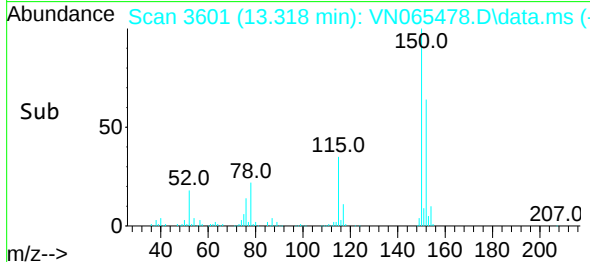
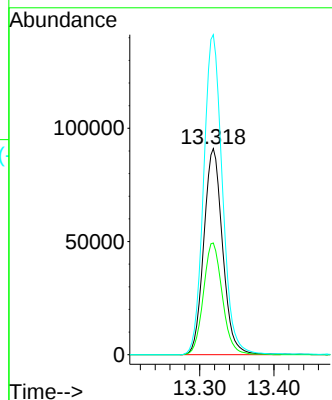
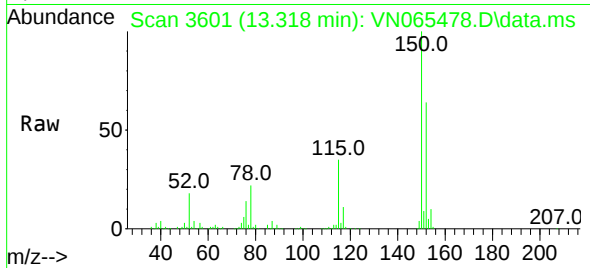




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

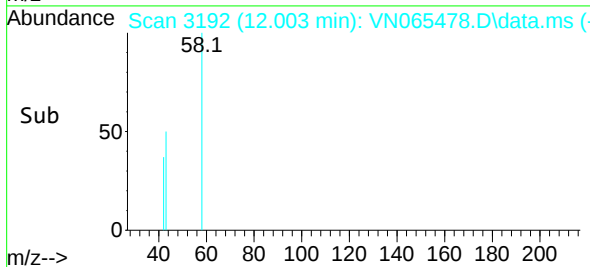
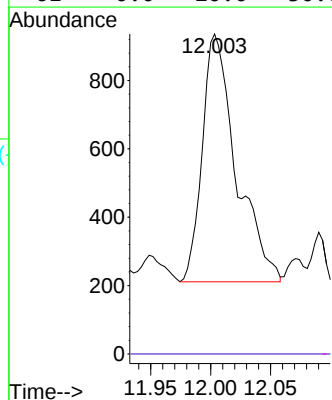
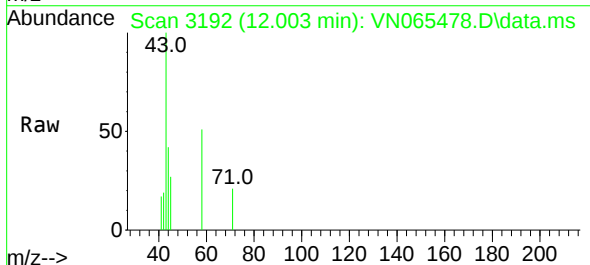
Instrument :
MSVOA_N
ClientSampleId :

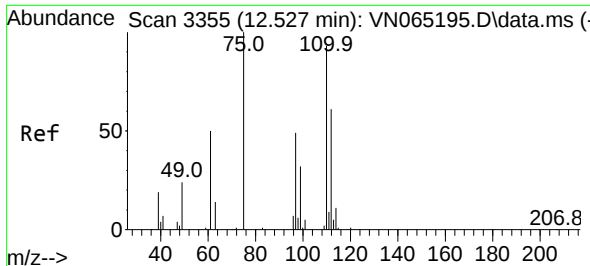
Tgt Ion:152 Resp: 160037
Ion Ratio Lower Upper
152 100
115 54.6 29.7 89.1
150 155.2 0.0 350.6



#74
N-ethyl acetate
Concen: 0.29 ug/l
RT: 12.003 min Scan# 3192
Delta R.T. -0.039 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion: 43 Resp: 1428
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#

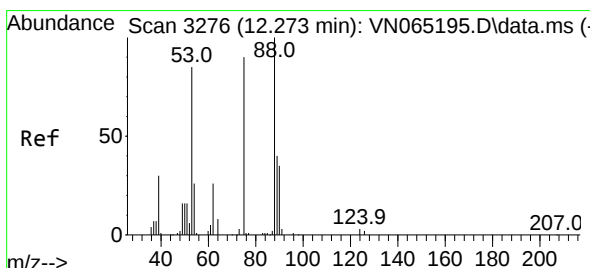
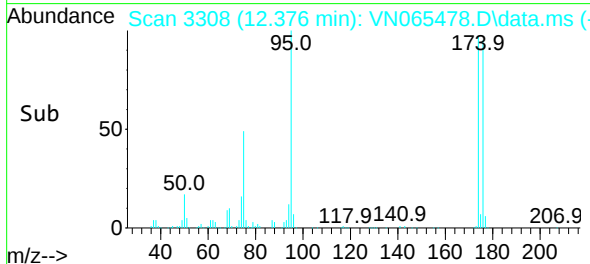
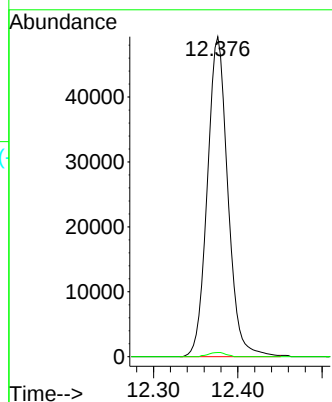
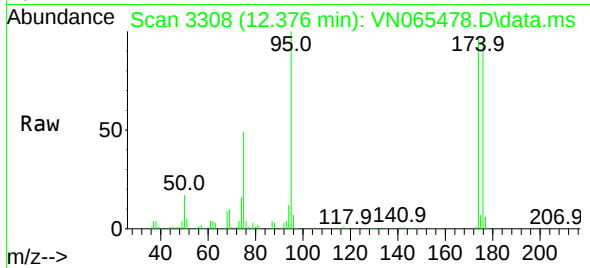




#76
1,2,3-Trichloropropane
Concen: 25.59 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 83549
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.53 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065478.D
Acq: 11 Jan 2021 19:23

Tgt Ion: 75 Resp: 83549
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

