

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068202.D
 Acq On : 18 Aug 2021 18:54
 Operator : JC/MD
 Sample : M3449-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 19 03:08:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

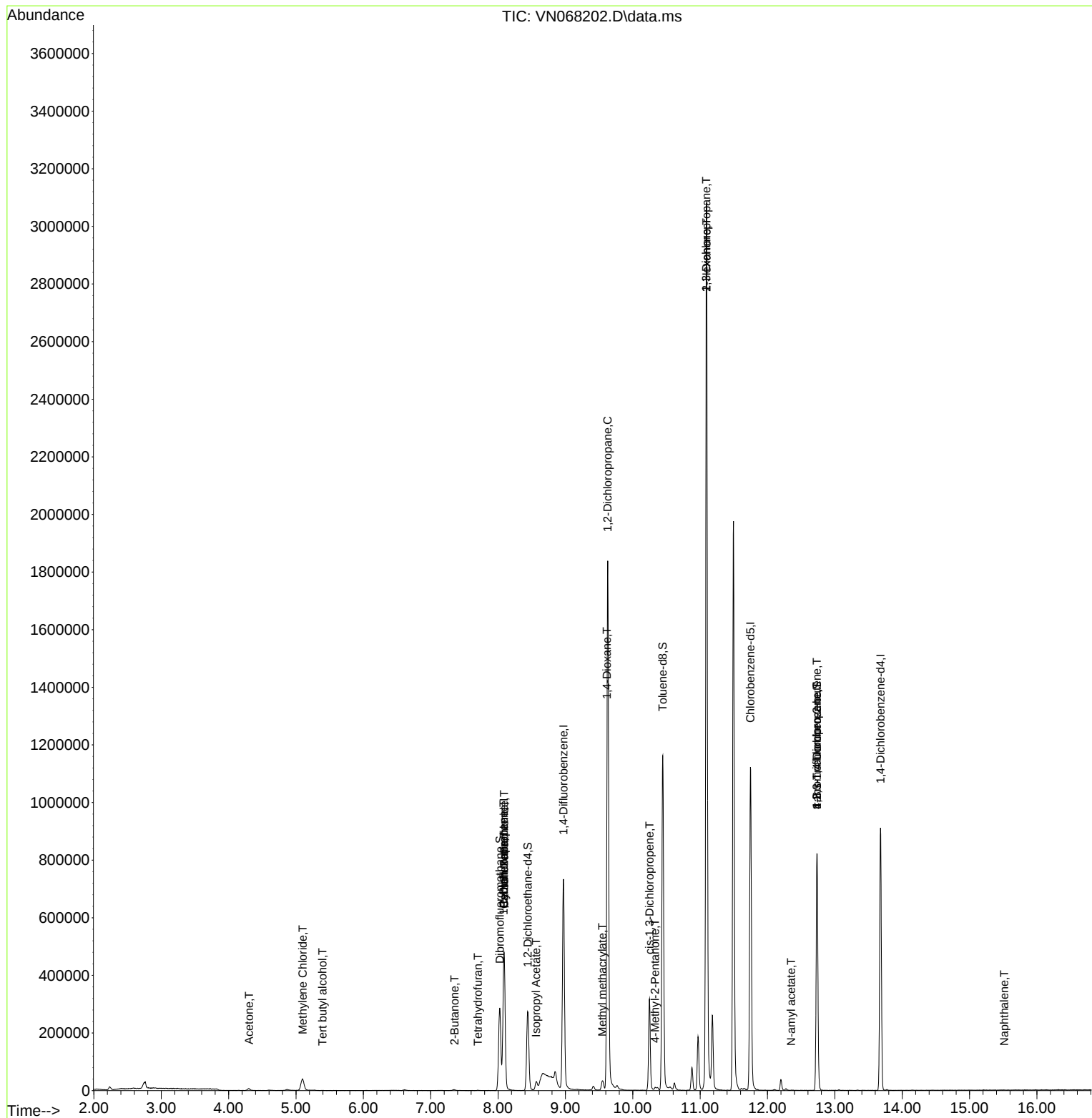
Internal Standards						
1) Pentafluorobenzene	8.088	168	404410	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	706150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	733245	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	271810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	234048	54.203	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.400%			
35) Dibromofluoromethane	8.027	113	211736	47.759	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.520%			
50) Toluene-d8	10.443	98	864812	51.194	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.380%			
62) 4-Bromofluorobenzene	12.734	95	278642	49.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.100%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.837	94	162	Below Cal	#	4
6) Chloroethane	2.998	64	171	Below Cal	#	44
11) Tert butyl alcohol	5.393	59	142	0.264	ug/l #	71
13) Acrolein	4.036	56	54	Below Cal	#	69
16) Acetone	4.301	43	11989	9.510	ug/l #	89
18) Methyl Acetate	4.870	43	6708	Below Cal	#	86
20) Methylene Chloride	5.098	84	35283	8.344	ug/l #	79
25) 2-Butanone	7.354	43	4158	2.116	ug/l #	75
29) Tetrahydrofuran	7.699	42	574	0.457	ug/l #	70
31) Cyclohexane	8.088	56	7671	1.349	ug/l #	8
36) 1,1-Dichloropropene	8.083	75	26295	4.555	ug/l #	53
38) Carbon Tetrachloride	8.091	117	37955	5.701	ug/l #	17
43) Isopropyl Acetate	8.566	43	35644	4.525	ug/l #	91
45) 1,2-Dichloropropane	9.625	63	2367	0.571	ug/l #	44
48) Methyl methacrylate	9.547	41	8572	2.611	ug/l #	12
49) 1,4-Dioxane	9.617	88	53	0.668	ug/l #	20
51) 4-Methyl-2-Pentanone	10.330	43	4367	0.902	ug/l #	68
54) cis-1,3-Dichloropropene	10.247	75	61178	9.151	ug/l #	56
57) 1,3-Dichloropropane	11.092	76	35098	4.748	ug/l #	43
59) 2-Hexanone	11.095	43	435170	129.517	ug/l #	57
74) N-amyl acetate	12.350	43	1021	0.203	ug/l #	50
76) 1,2,3-Trichloropropane	12.734	75	140523	31.105	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	140523	101.904	ug/l #	6
95) Naphthalene	15.515	128	352	3.375	ug/l #	69

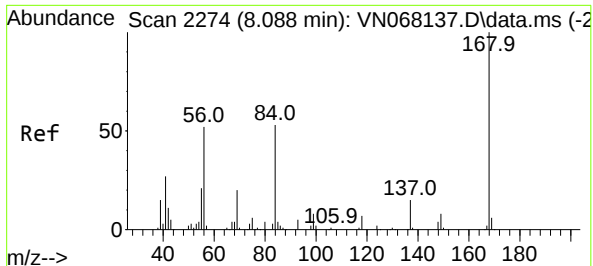
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

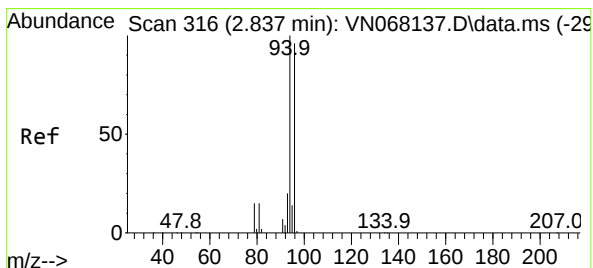
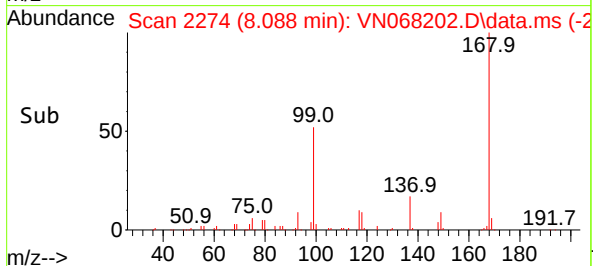
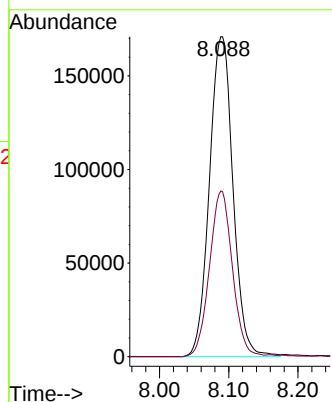
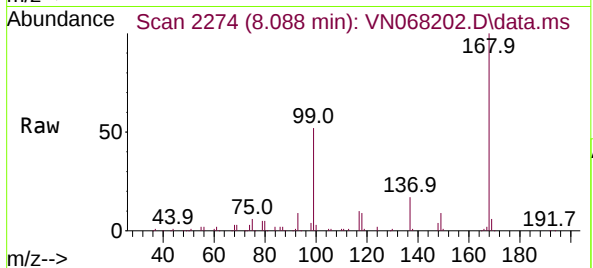




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

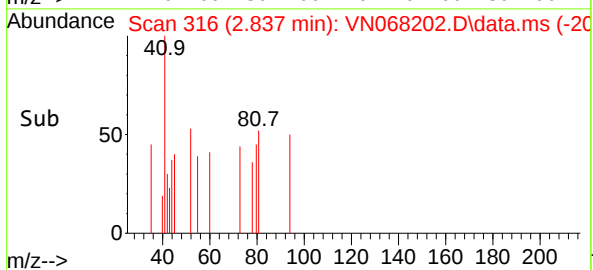
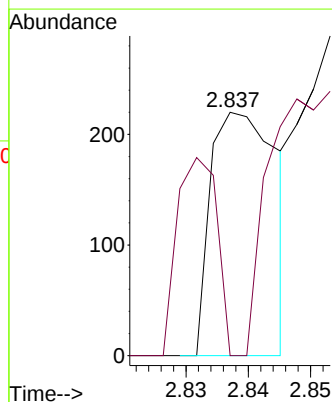
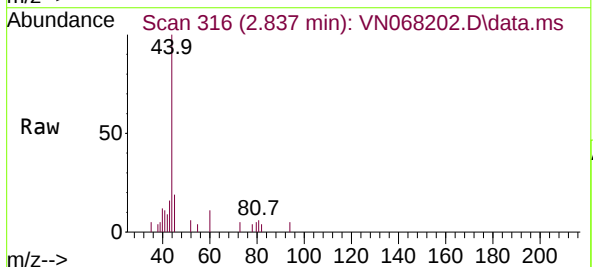
Instrument :
MSVOA_N
ClientSampled :

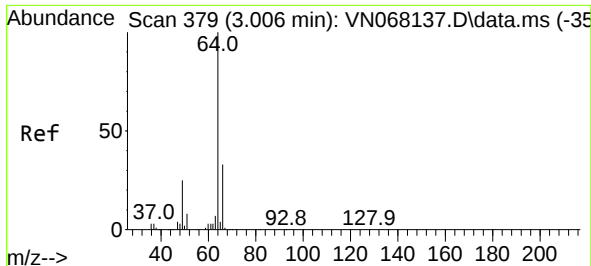
Tgt Ion:168 Resp: 404410
Ion Ratio Lower Upper
168 100
99 51.8 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. 0.000 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

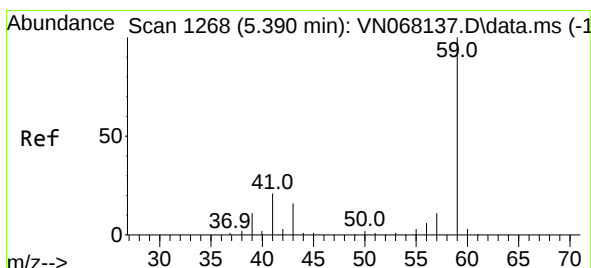
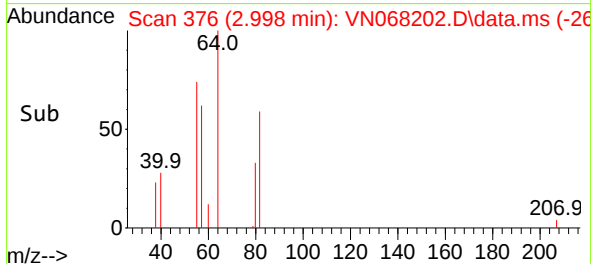
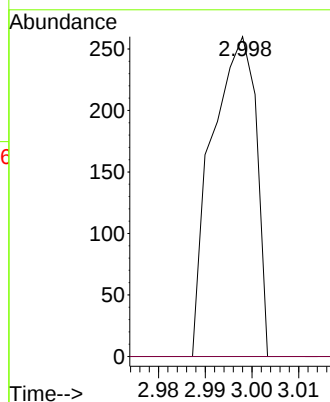
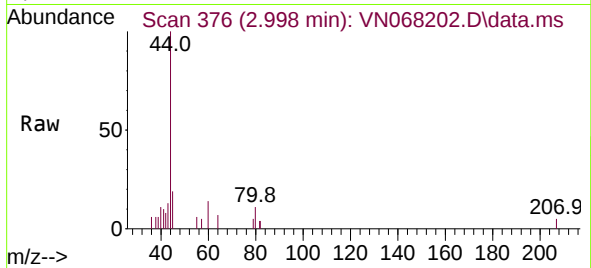




#6
Chloroethane
Concen: Below Cal
RT: 2.998 min Scan# 376
Delta R.T. -0.008 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

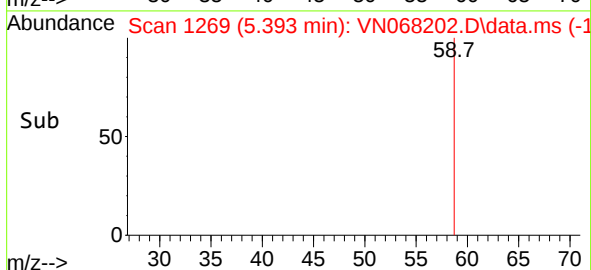
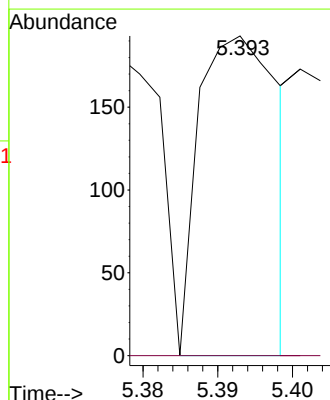
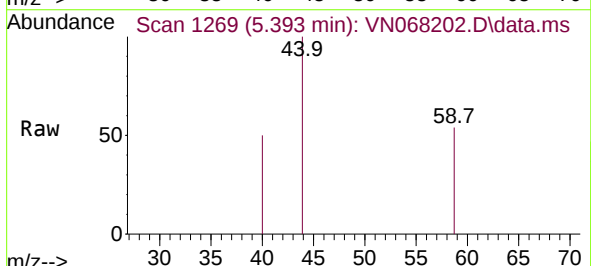
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 171
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.264 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

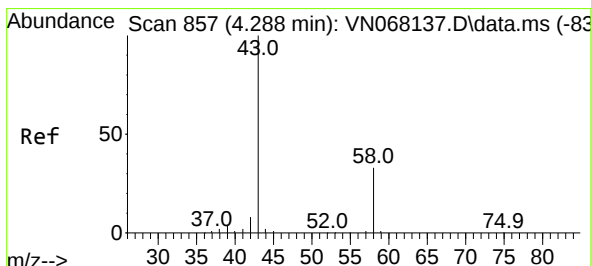
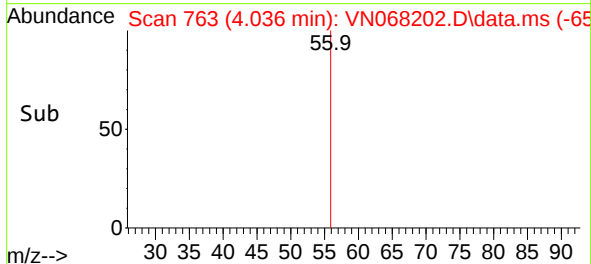
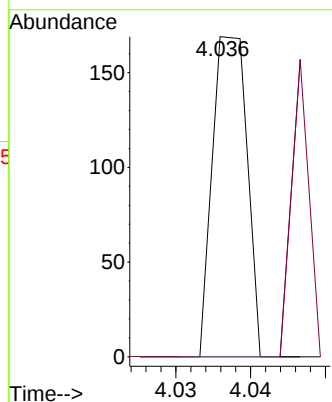
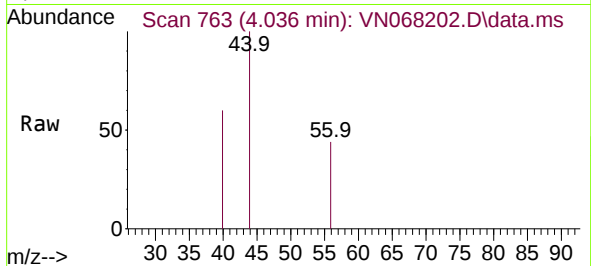




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

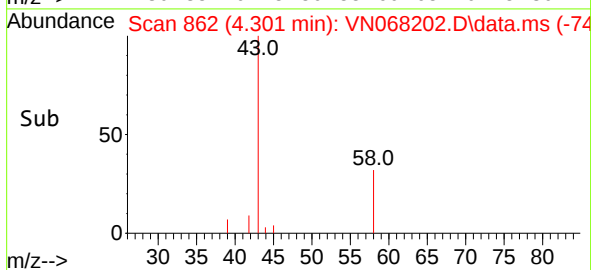
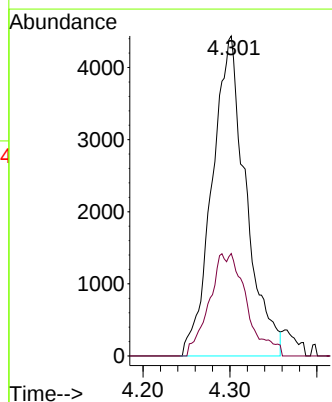
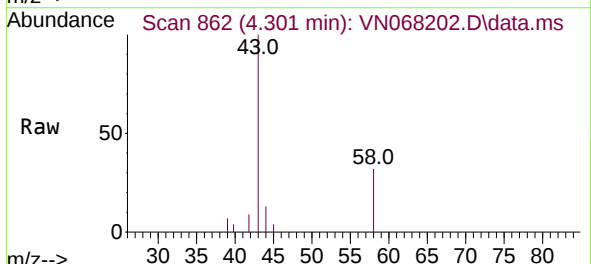
Instrument :
MSVOA_N
ClientSampled :

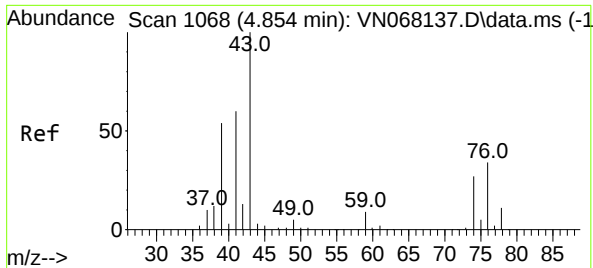
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 46.3 57.4 86.0#



#16
Acetone
Concen: 9.510 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion: 43 Resp: 11989
Ion Ratio Lower Upper
43 100
58 32.0 21.2 31.8#

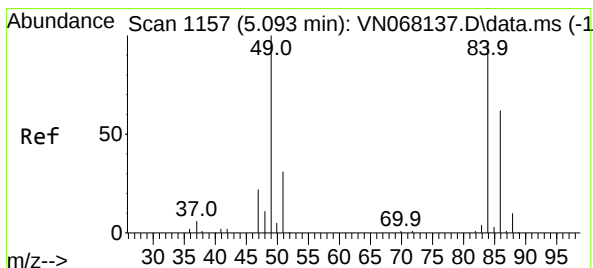
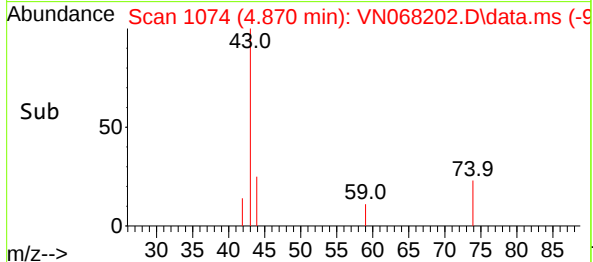
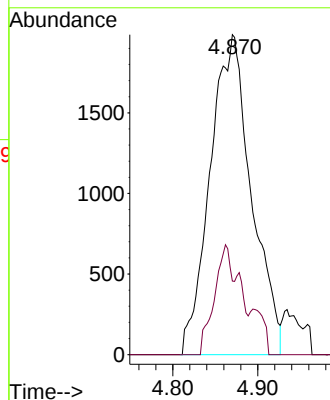
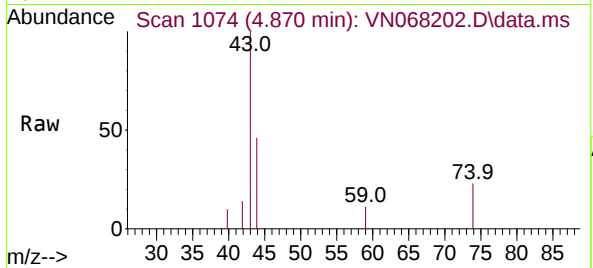




#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

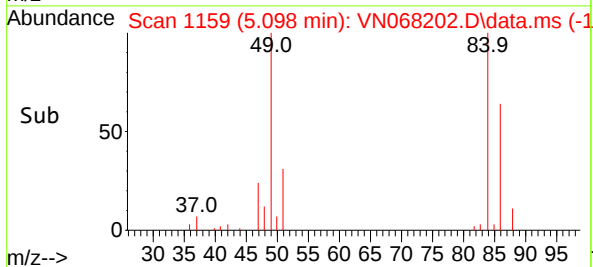
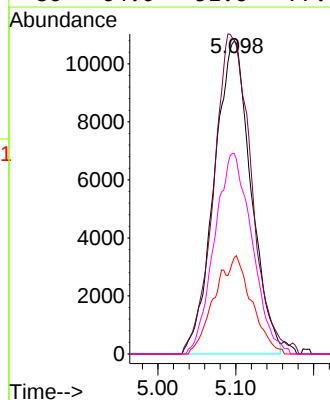
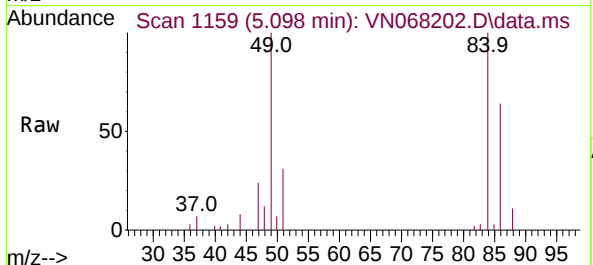
Instrument :
MSVOA_N
ClientSampled :

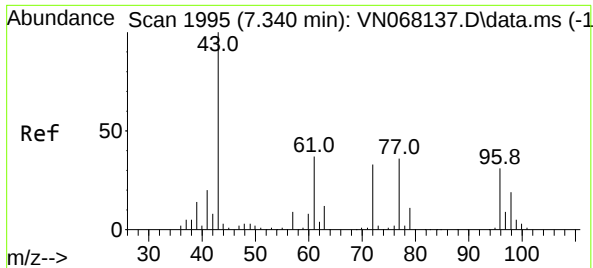
Tgt Ion: 43 Resp: 6708
Ion Ratio Lower Upper
43 100
74 15.0 17.4 26.0#



#20
Methylene Chloride
Concen: 8.344 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion: 84 Resp: 35283
Ion Ratio Lower Upper
84 100
49 100.2 110.9 166.3#
51 30.8 32.6 49.0#
86 64.0 51.6 77.4

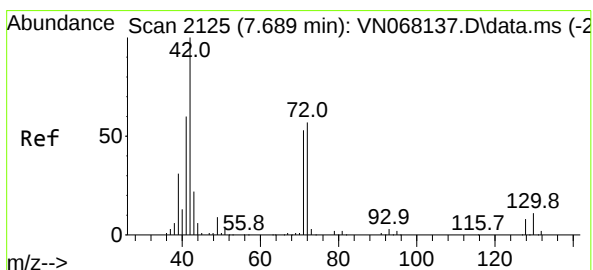
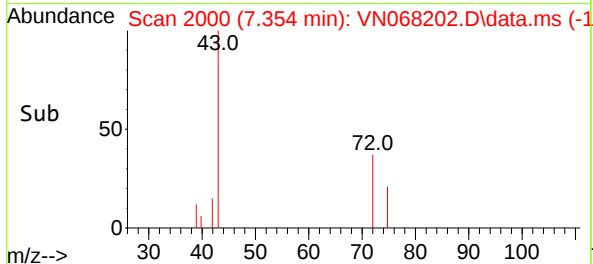
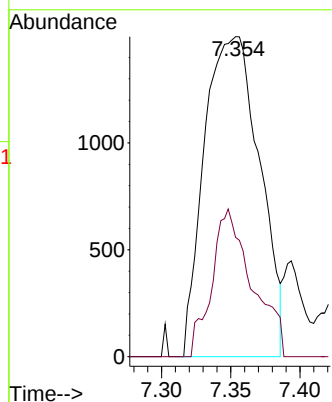
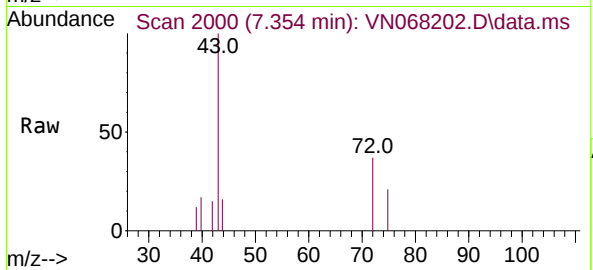




#25
2-Butanone
Concen: 2.116 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.014 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

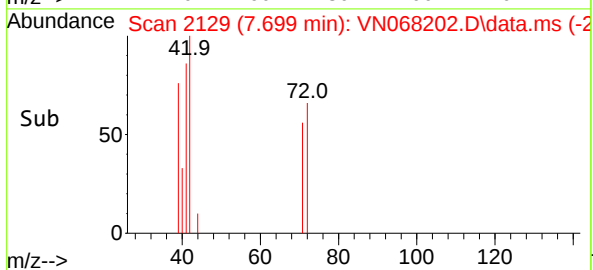
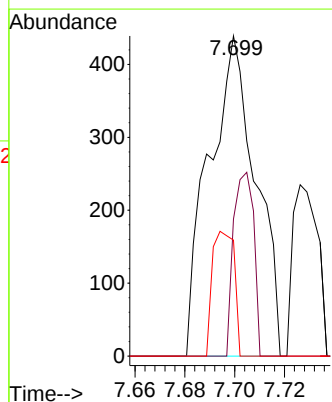
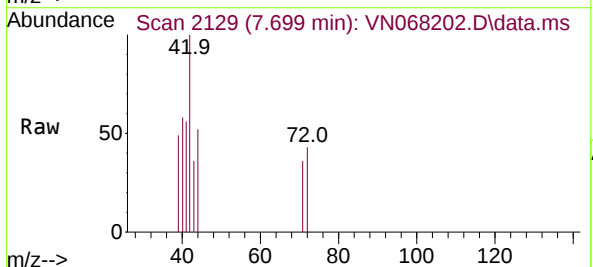
Instrument :
MSVOA_N
ClientSampled :

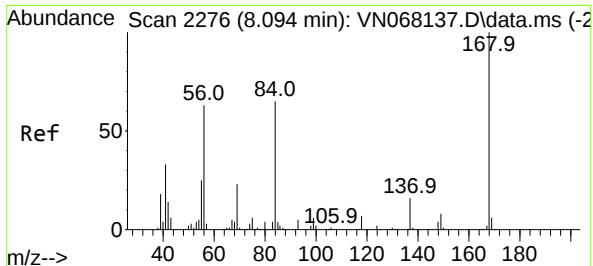
Tgt Ion: 43 Resp: 4158
Ion Ratio Lower Upper
43 100
72 37.3 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.457 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.010 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion: 42 Resp: 574
Ion Ratio Lower Upper
42 100
72 24.7 32.8 49.2#
71 18.1 31.2 46.8#

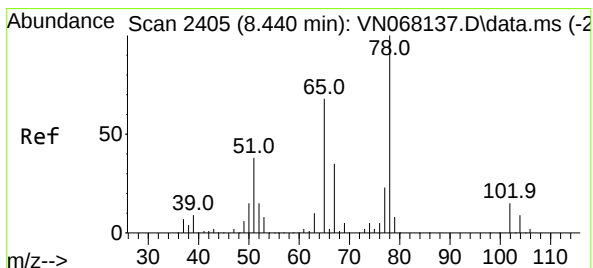
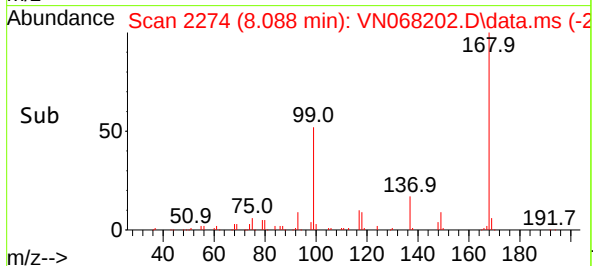
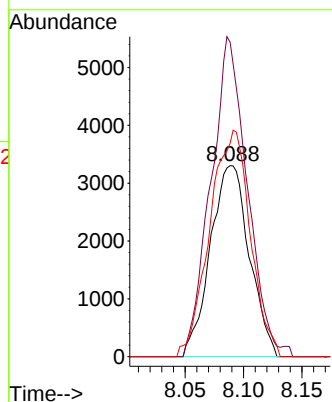
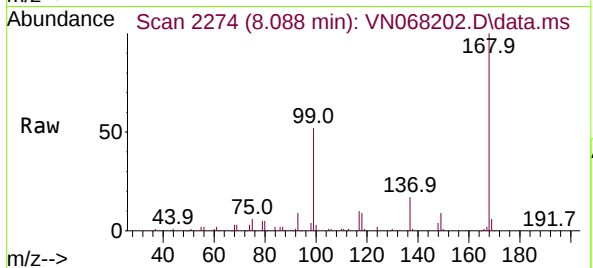




#31
Cyclohexane
Concen: 1.349 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

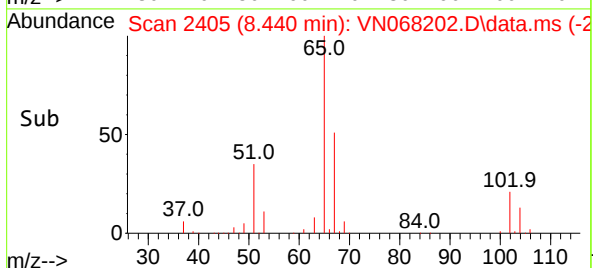
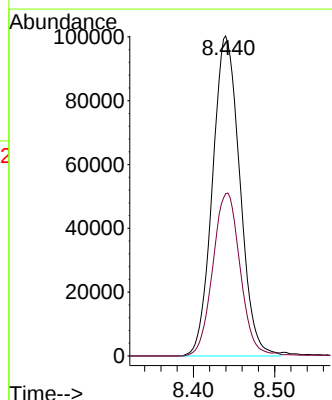
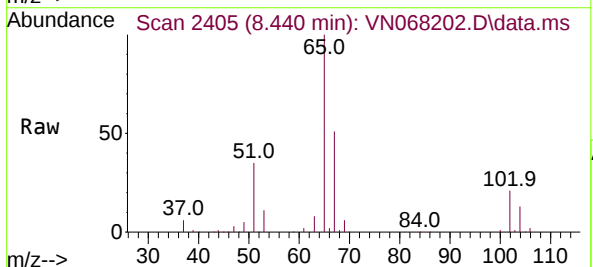
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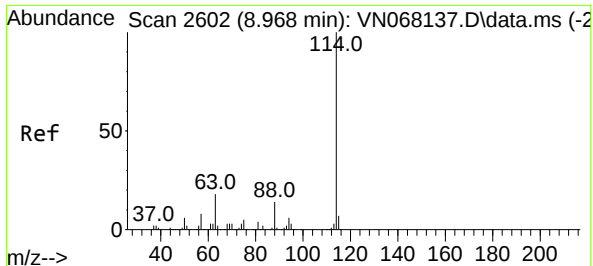
Tgt Ion: 56 Resp: 7671
Ion Ratio Lower Upper
56 100
69 164.6 27.3 40.9#
84 111.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.203 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion: 65 Resp: 234048
Ion Ratio Lower Upper
65 100
67 51.3 0.0 98.6

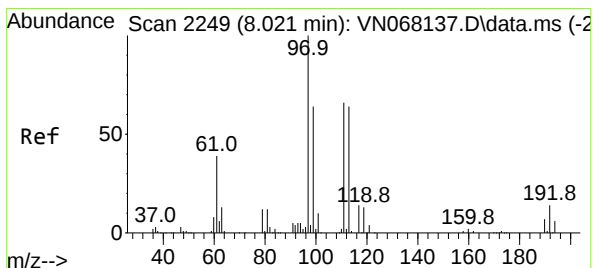
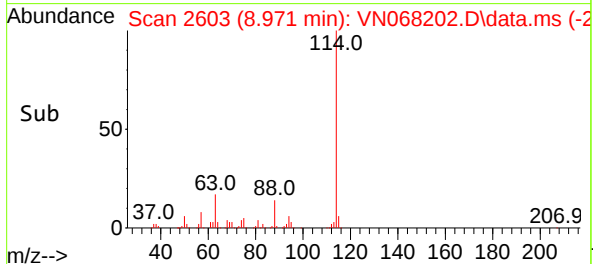
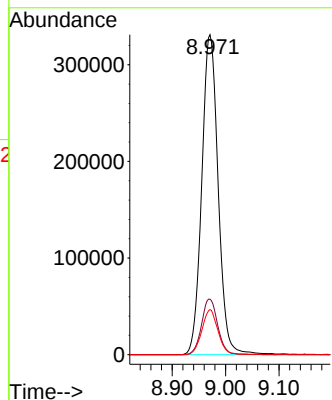
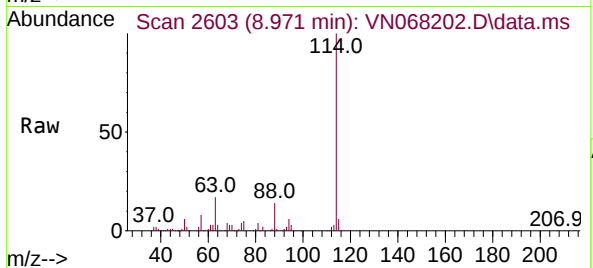




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

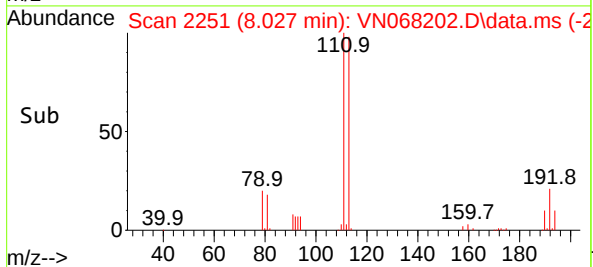
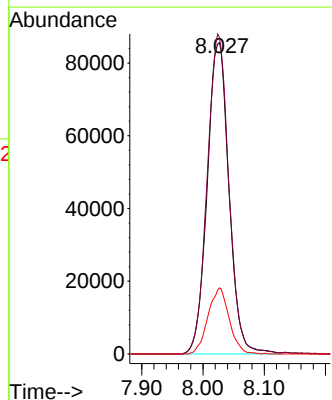
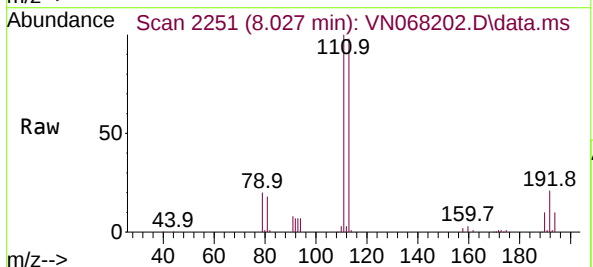
Instrument :
MSVOA_N
ClientSampled :

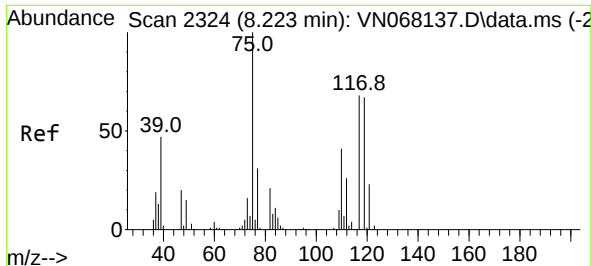
Tgt Ion:114 Resp: 706150
Ion Ratio Lower Upper
114 100
63 17.4 0.0 49.0
88 14.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.759 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.006 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion:113 Resp: 211736
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 20.6 13.4 20.0#

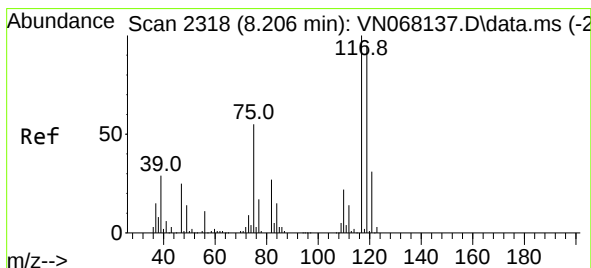
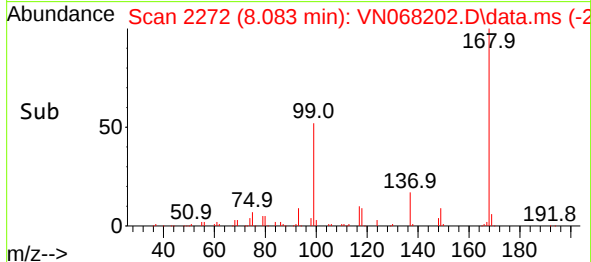
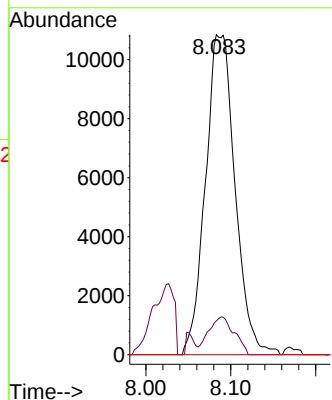
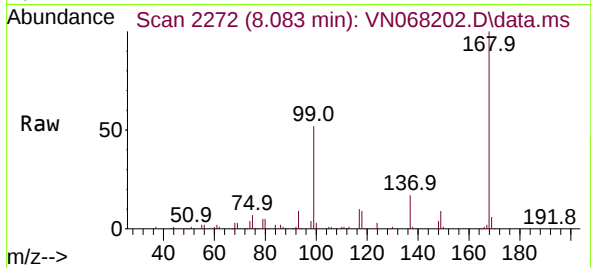




#36
 1,1-Dichloropropene
 Concen: 4.555 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.140 min
 Lab File: VN068202.D
 Acq: 18 Aug 2021 18:54

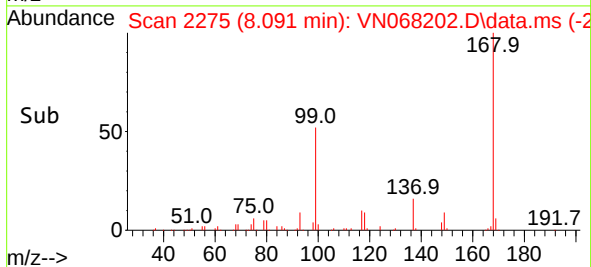
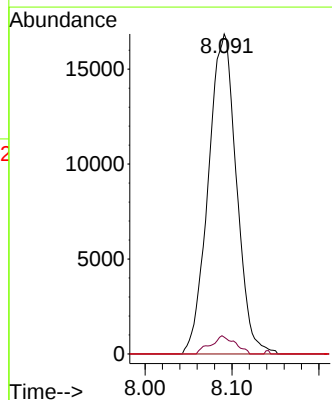
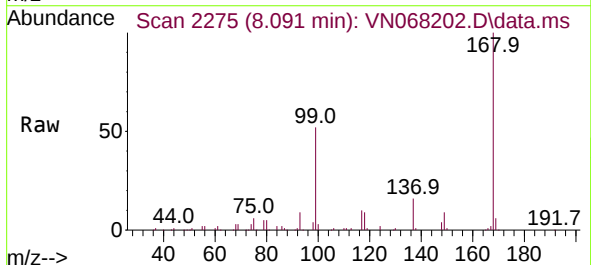
Instrument :
 MSVOA_N
 ClientSampled :

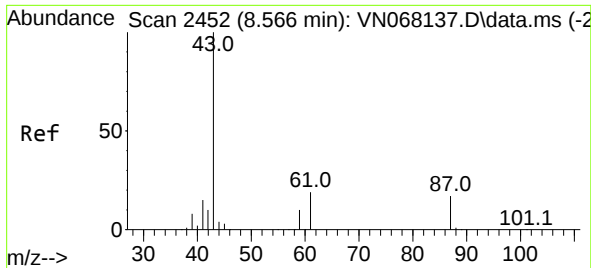
Tgt Ion: 75 Resp: 26295
 Ion Ratio Lower Upper
 75 100
 110 10.2 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.701 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.115 min
 Lab File: VN068202.D
 Acq: 18 Aug 2021 18:54

Tgt Ion: 117 Resp: 37955
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.4 113.2#
 121 0.0 23.5 35.3#

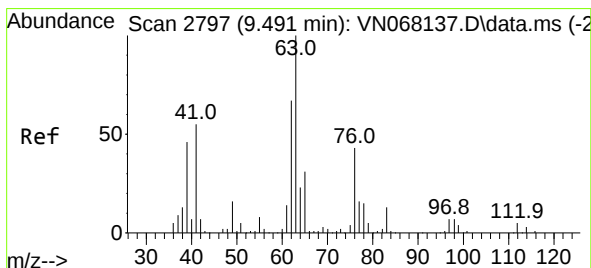
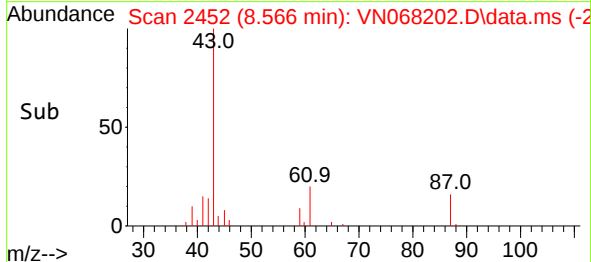
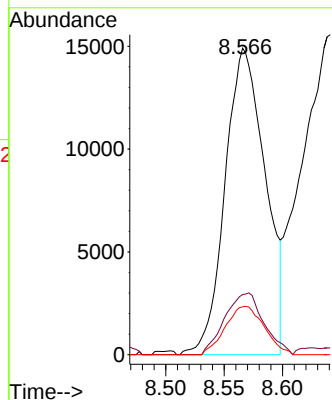
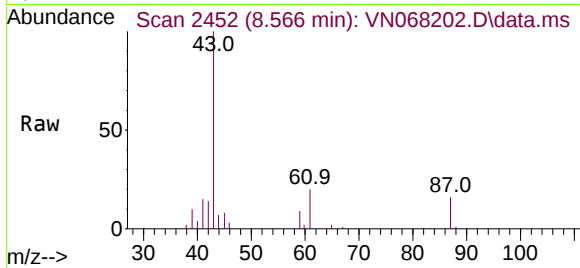




#43
Isopropyl Acetate
Concen: 4.525 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

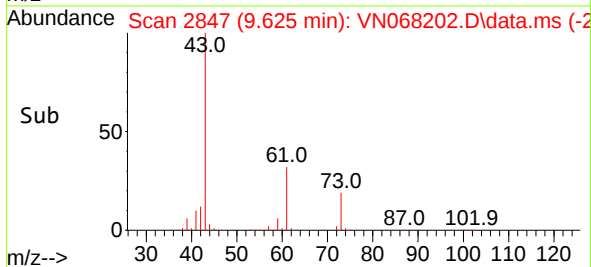
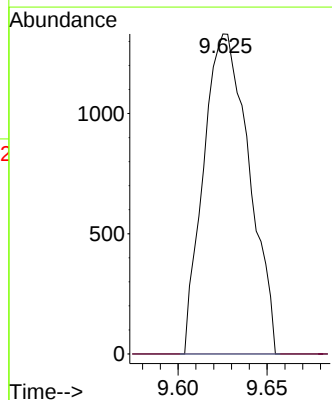
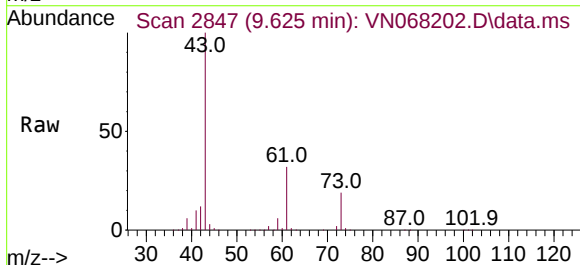
Instrument :
MSVOA_N
ClientSampled :

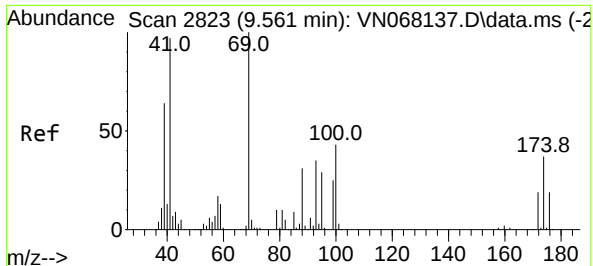
Tgt Ion: 43 Resp: 35644
Ion Ratio Lower Upper
43 100
61 19.6 19.0 28.4
87 15.3 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.571 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion: 63 Resp: 2367
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

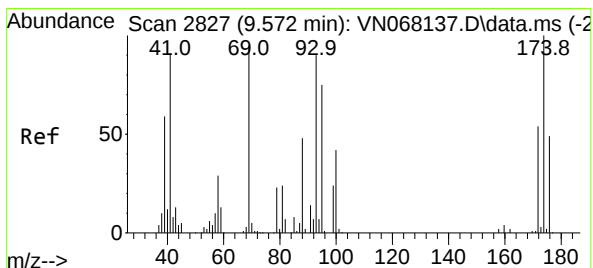
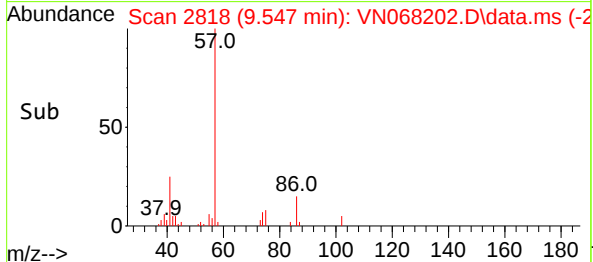
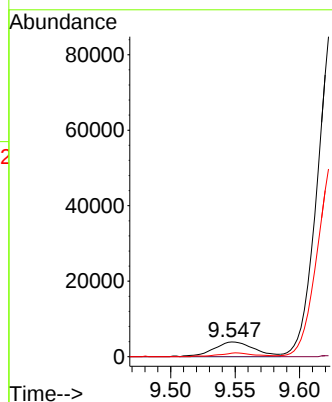
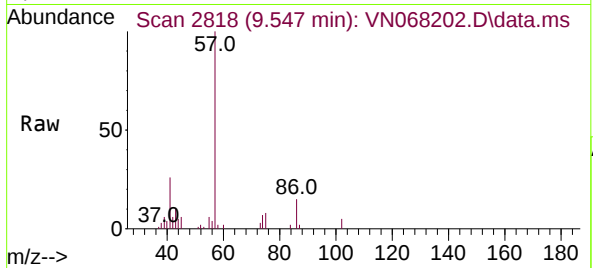




#48
Methyl methacrylate
Concen: 2.611 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

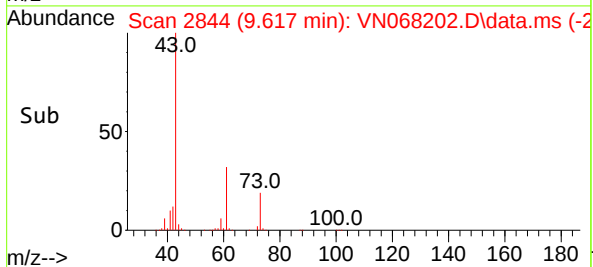
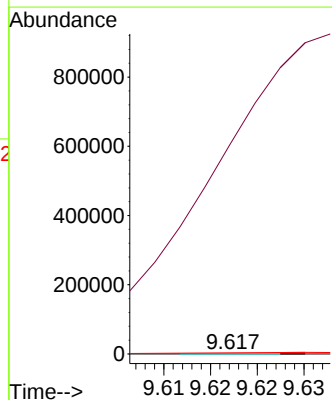
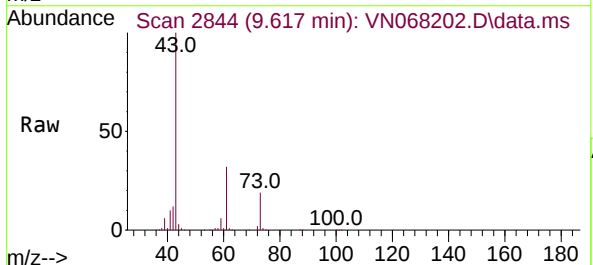
Instrument :
MSVOA_N
ClientSampleId :

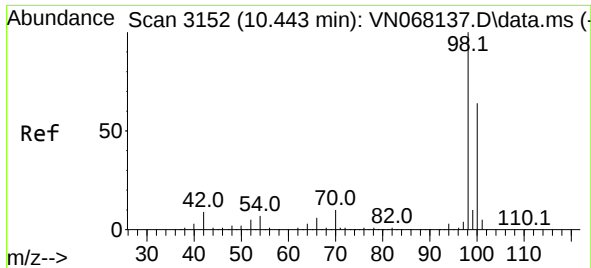
Tgt Ion: 41 Resp: 8572
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 0.668 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.045 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

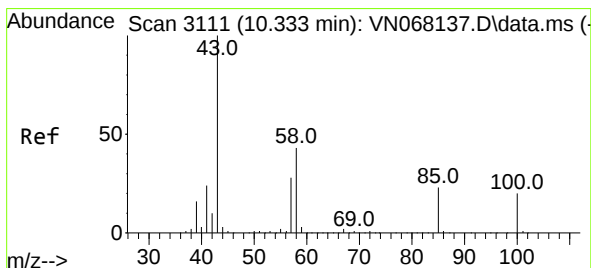
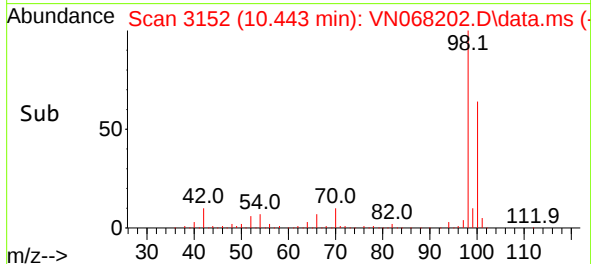
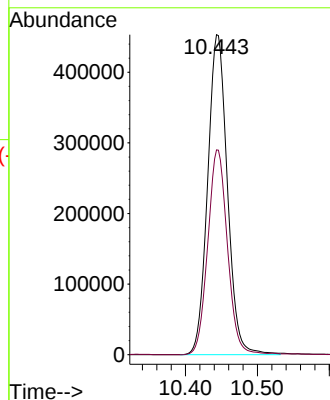
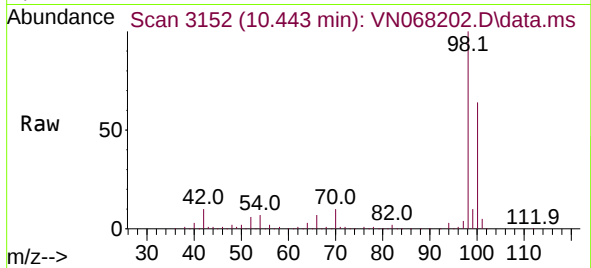




#50
Toluene-d8
Concen: 51.194 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

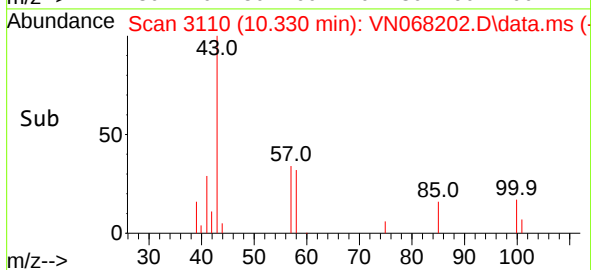
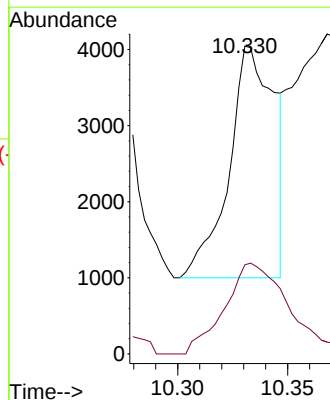
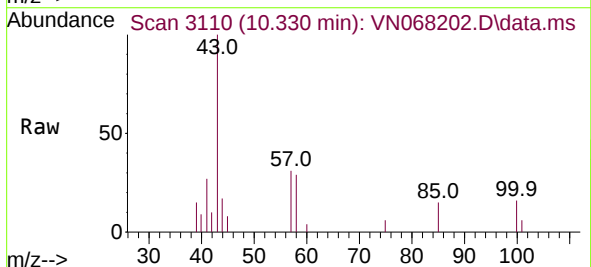
Instrument :
MSVOA_N
ClientSampled :

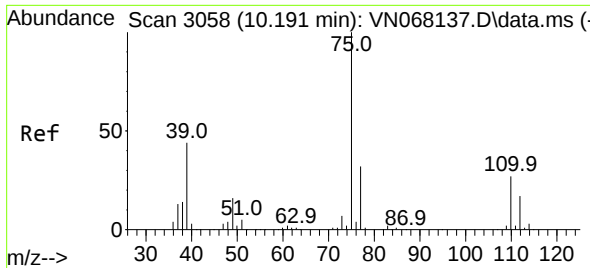
Tgt Ion: 98 Resp: 864812
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.902 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion: 43 Resp: 4367
Ion Ratio Lower Upper
43 100
58 54.7 28.6 43.0#

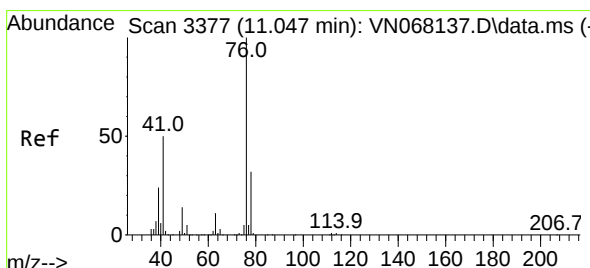
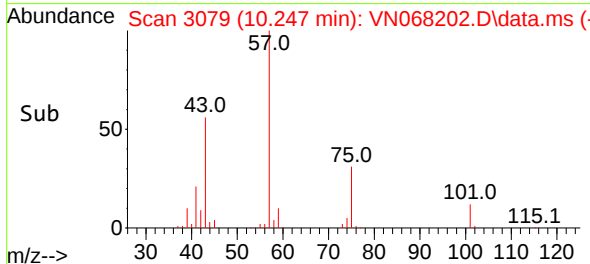
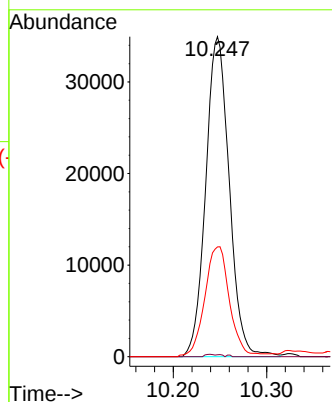
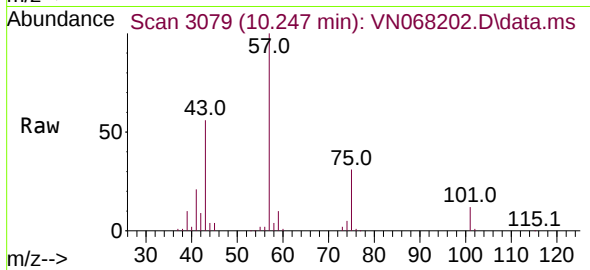




#54
 cis-1,3-Dichloropropene
 Concen: 9.151 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068202.D
 Acq: 18 Aug 2021 18:54

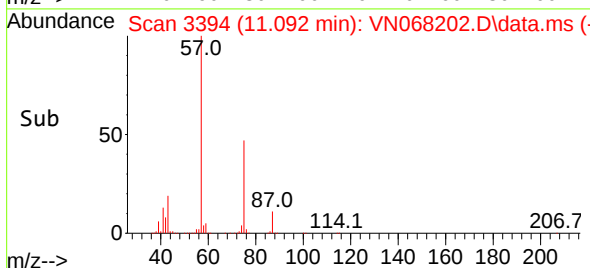
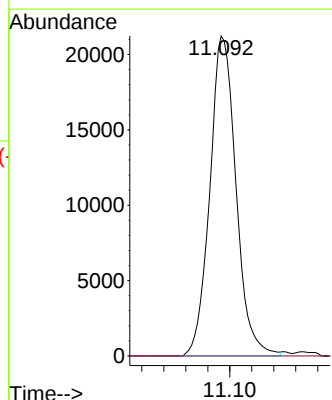
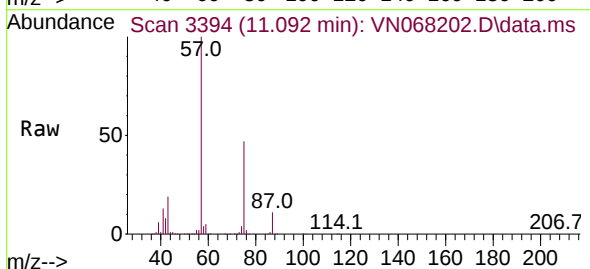
Instrument :
 MSVOA_N
 ClientSampled :

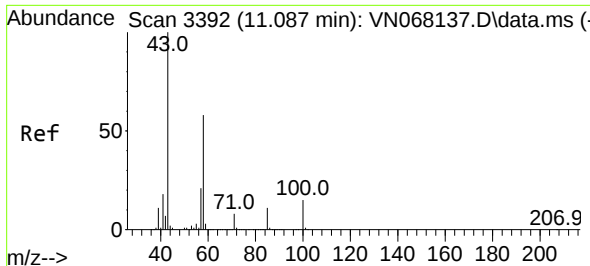
Tgt Ion: 75 Resp: 61178
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 37.0#
 39 33.8 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 4.748 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.045 min
 Lab File: VN068202.D
 Acq: 18 Aug 2021 18:54

Tgt Ion: 76 Resp: 35098
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

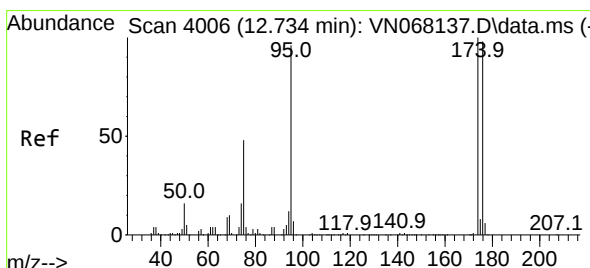
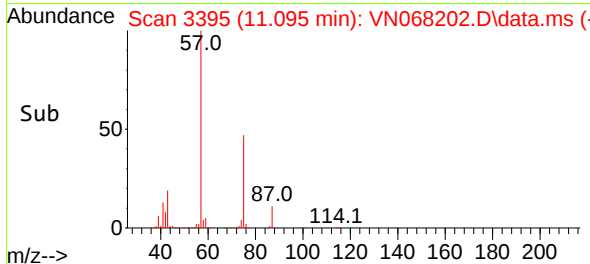
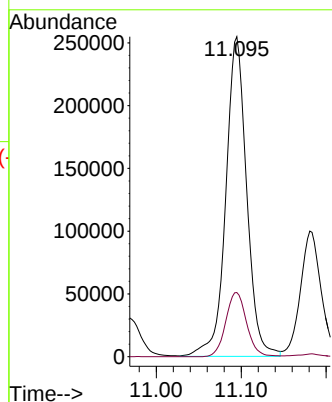
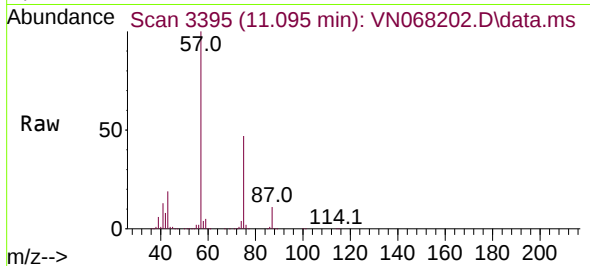




#59
2-Hexanone
Concen: 129.517 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

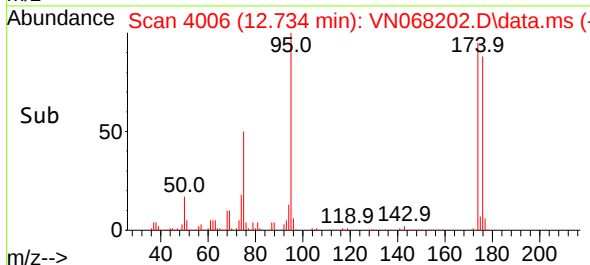
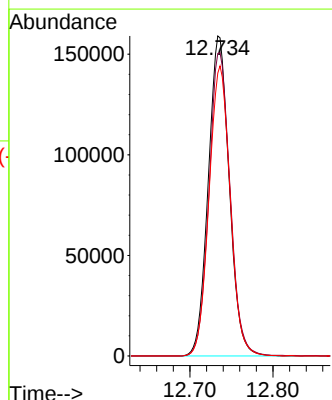
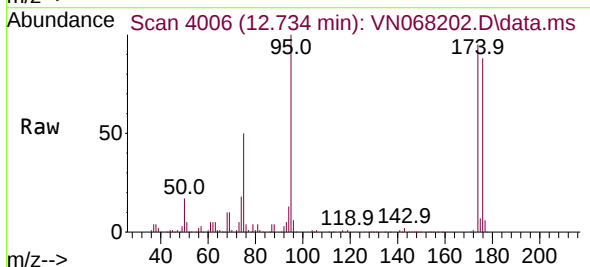
Instrument :
MSVOA_N
ClientSampled :

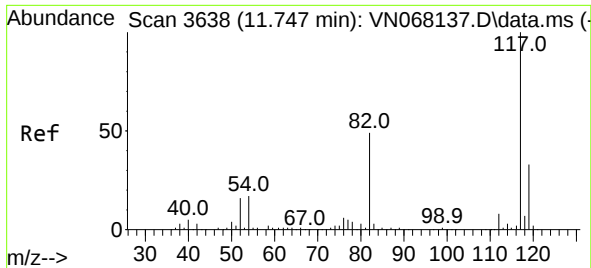
Tgt Ion: 43 Resp: 435170
Ion Ratio Lower Upper
43 100
58 20.1 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.549 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion: 95 Resp: 278642
Ion Ratio Lower Upper
95 100
174 95.8 0.0 122.0
176 91.5 0.0 117.6

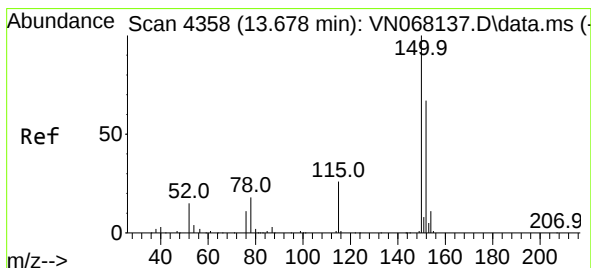
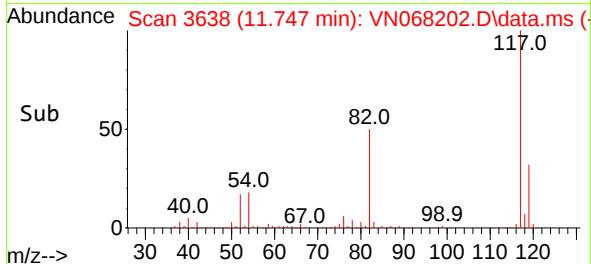
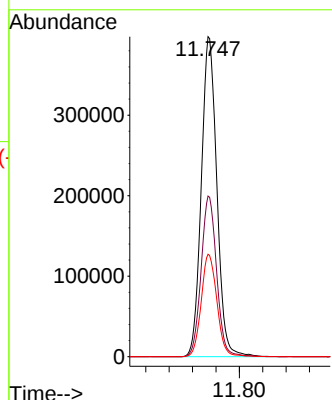
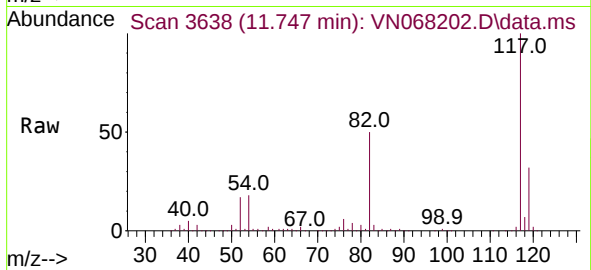




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

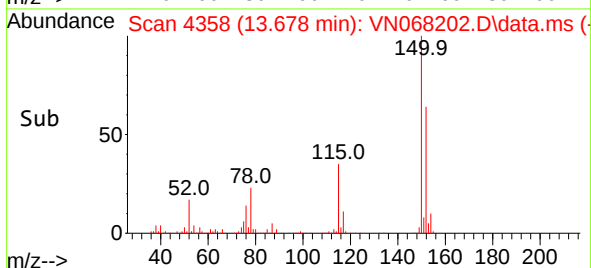
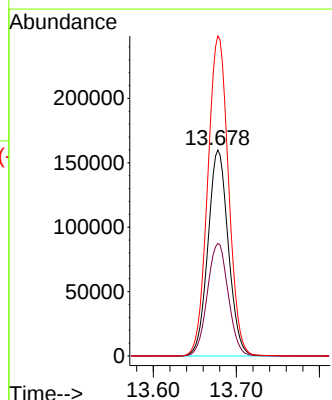
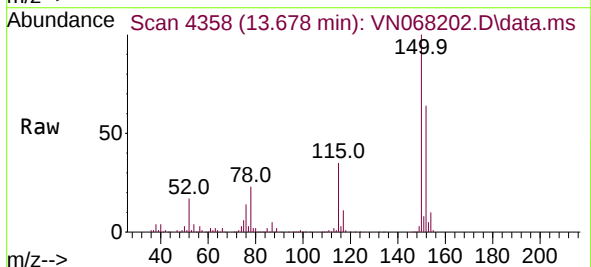
Instrument :
MSVOA_N
ClientSampled :

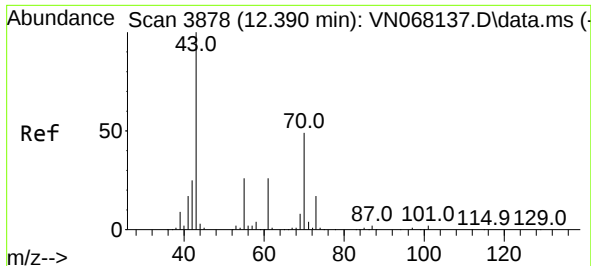
Tgt Ion:117 Resp: 733245
Ion Ratio Lower Upper
117 100
82 50.2 53.1 79.7#
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

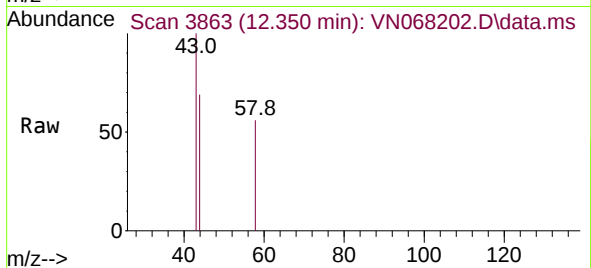
Tgt Ion:152 Resp: 271810
Ion Ratio Lower Upper
152 100
115 56.2 36.1 108.5
150 158.4 0.0 351.8



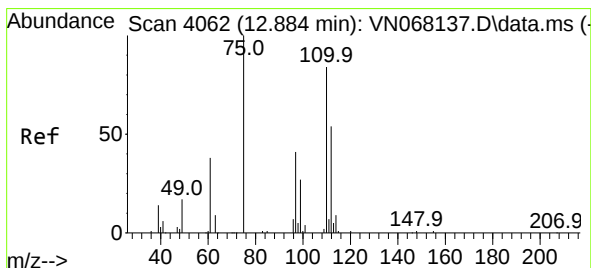
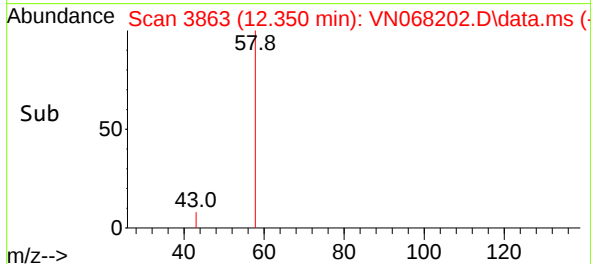
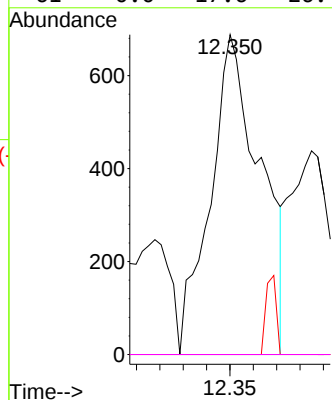


#74
N-amy1 acetate
Concen: 0.203 ug/l
RT: 12.350 min Scan# 3863
Delta R.T. -0.040 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Instrument :
MSVOA_N
ClientSampleId :

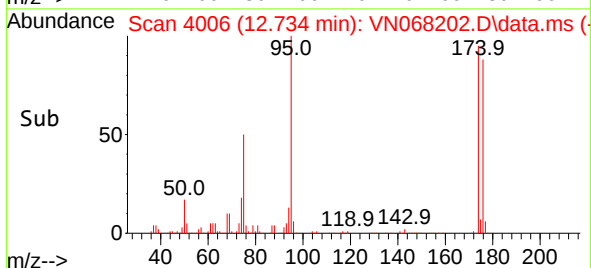
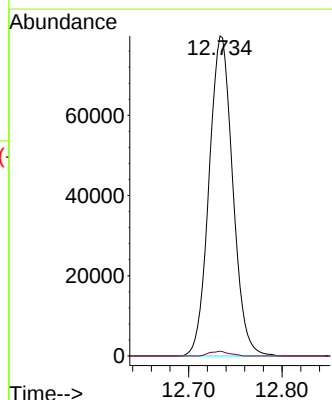
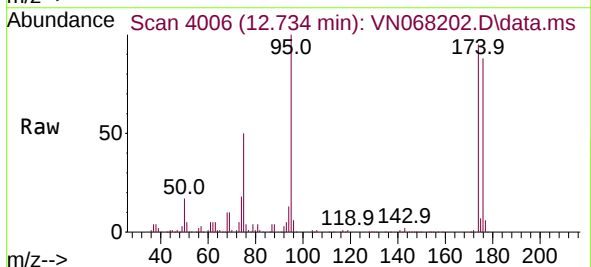


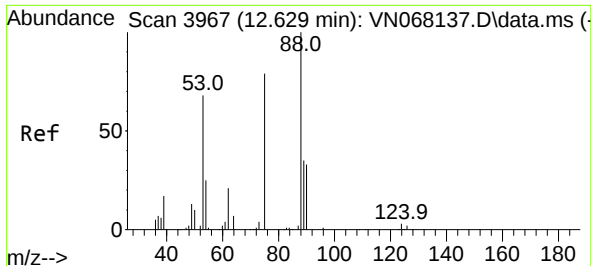
Tgt Ion:	43	Resp:	1021
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.4	44.2#
55	5.1	17.0	25.4#
61	0.0	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 31.105 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion:	75	Resp:	140523
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

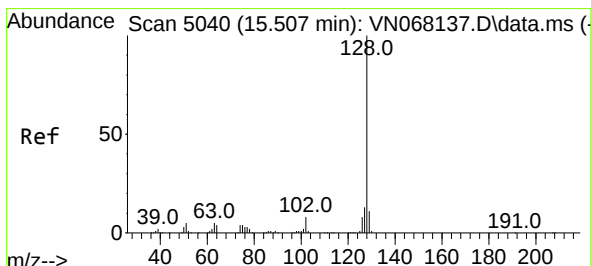
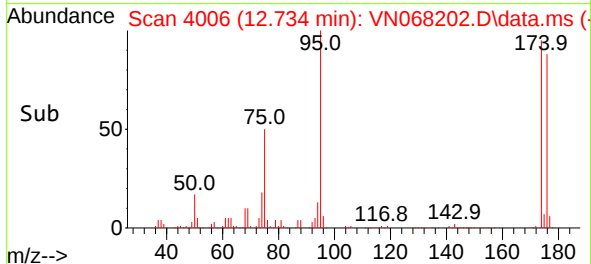
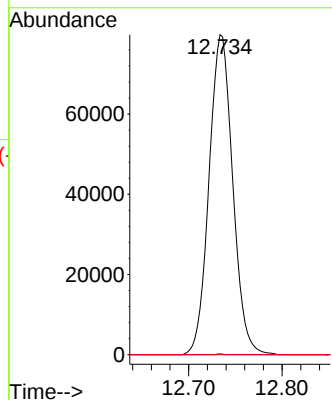
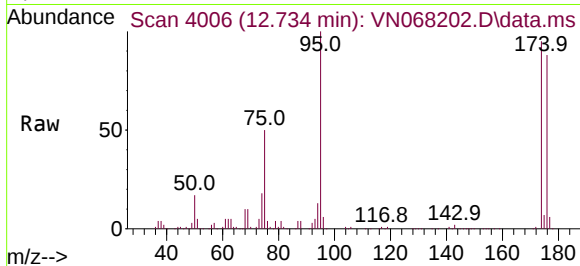




#81
trans-1,4-Dichloro-2-butene
Concen: 101.904 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 140523
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.375 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068202.D
Acq: 18 Aug 2021 18:54

Tgt Ion:128 Resp: 352
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

