

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069066.D
 Acq On : 20 Oct 2021 17:01
 Operator : JC/MD
 Sample : M4249-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:15:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

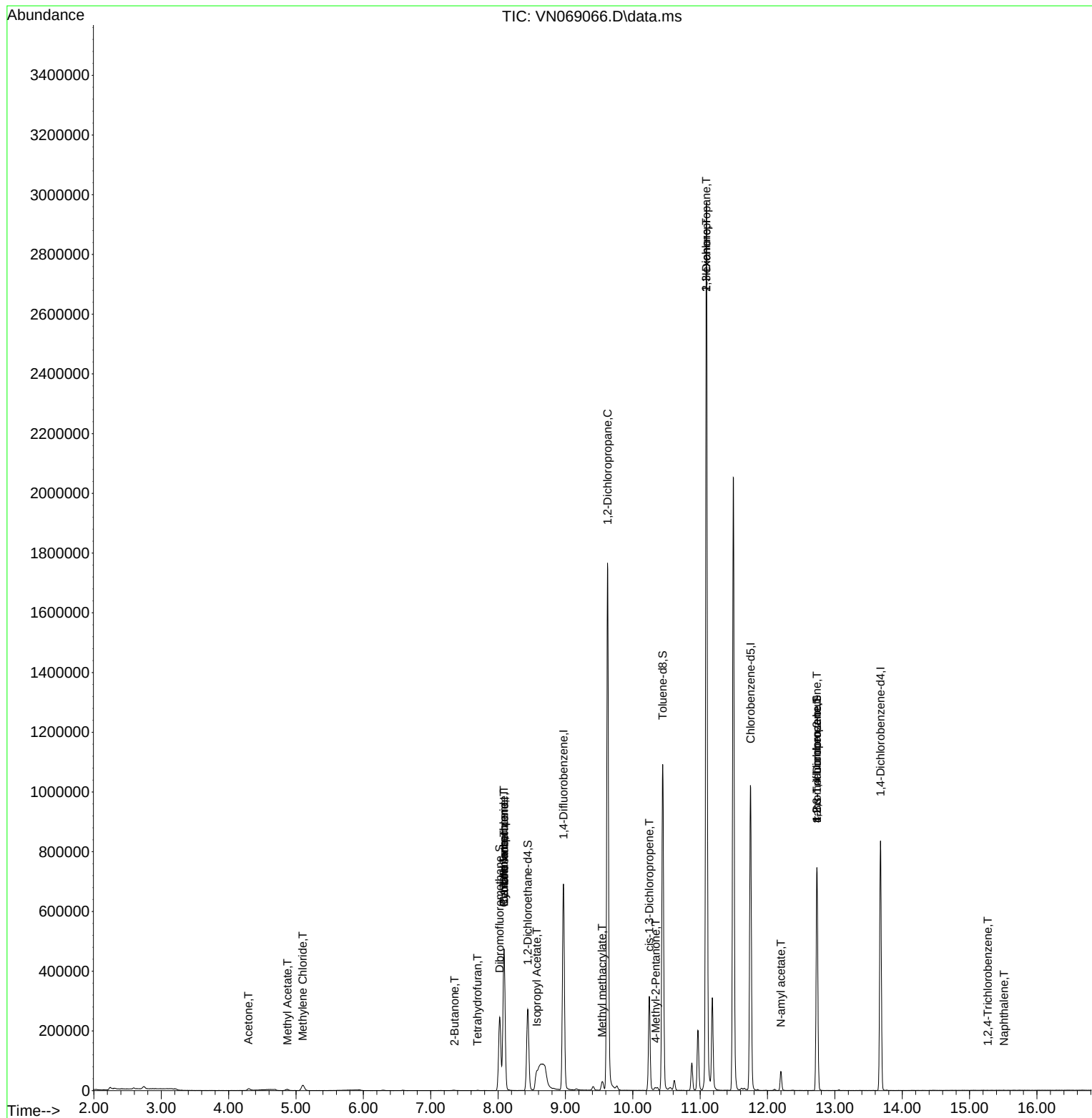
Internal Standards						
1) Pentafluorobenzene	8.091	168	354806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	620870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	604331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	218861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	231399	49.465	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.940%
35) Dibromofluoromethane	8.024	113	183832	50.891	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.780%
50) Toluene-d8	10.443	98	784243	54.260	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.520%
62) 4-Bromofluorobenzene	12.734	95	274045	50.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.520%
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	11907	6.821	ug/l	98
18) Methyl Acetate	4.873	43	8788	1.327	ug/l	100
20) Methylene Chloride	5.101	84	15449	3.845	ug/l	92
25) 2-Butanone	7.354	43	2710	1.027	ug/l	100
29) Tetrahydrofuran	7.694	42	622	0.363	ug/l #	42
31) Cyclohexane	8.086	56	8109	1.115	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	29119	5.491	ug/l #	50
38) Carbon Tetrachloride	8.088	117	37719	6.476	ug/l #	15
43) Isopropyl Acetate	8.574	43	62601	6.478	ug/l #	78
45) 1,2-Dichloropropane	9.628	63	2018	0.482	ug/l #	43
48) Methyl methacrylate	9.545	41	8314	1.831	ug/l #	13
51) 4-Methyl-2-Pentanone	10.341	43	5664	1.011	ug/l	95
54) cis-1,3-Dichloropropene	10.245	75	60093	8.602	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	32402	4.797	ug/l #	42
59) 2-Hexanone	11.092	43	461135	114.755	ug/l #	50
74) N-amyl acetate	12.197	43	20855	3.022	ug/l #	53
76) 1,2,3-Trichloropropane	12.734	75	145216	31.184	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	145216	74.606	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.271	180	76	2.621	ug/l #	12
95) Naphthalene	15.509	128	540	3.861	ug/l #	69

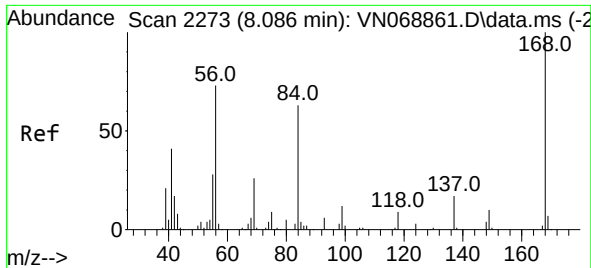
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
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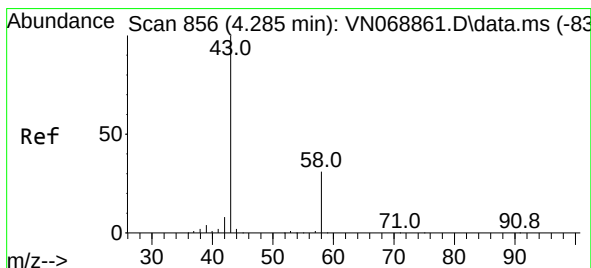
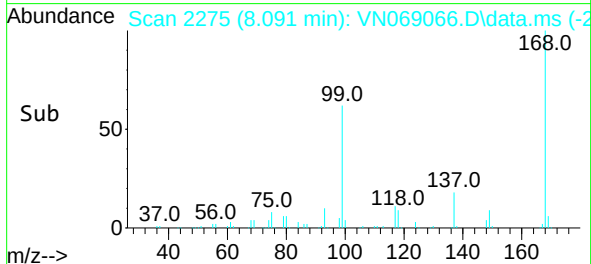
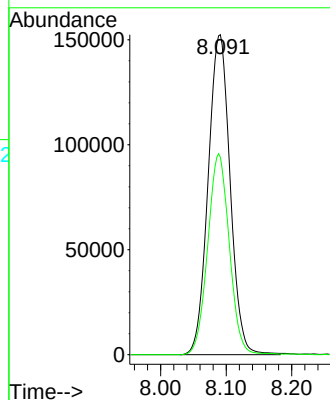
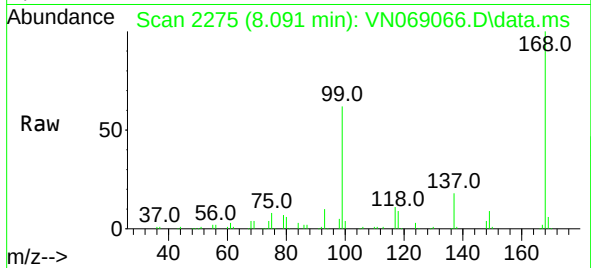




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

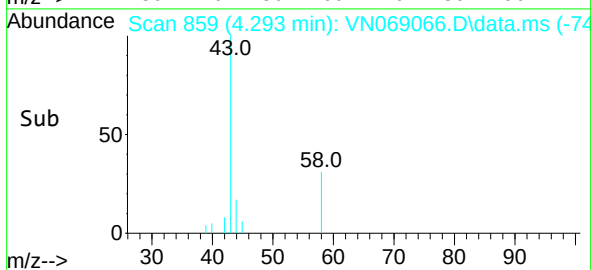
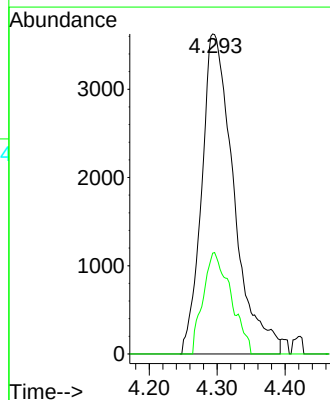
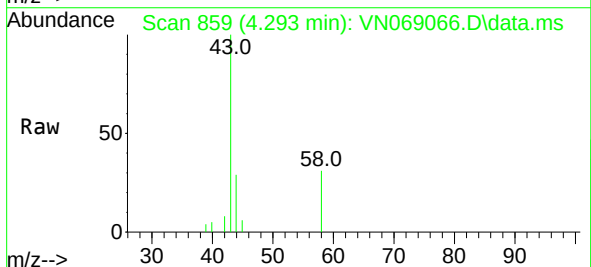
Instrument :
MSVOA_N
ClientSampled :

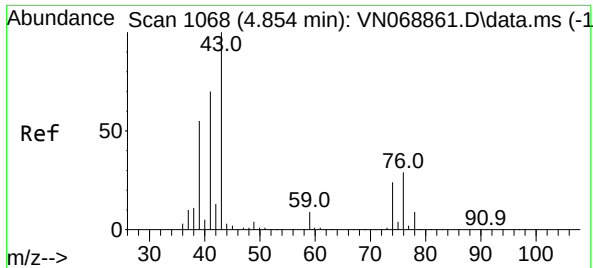
Tgt Ion:168 Resp: 354806
Ion Ratio Lower Upper
168 100
99 61.7 48.9 73.3



#16
Acetone
Concen: 6.821 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion: 43 Resp: 11907
Ion Ratio Lower Upper
43 100
58 31.5 24.5 36.7

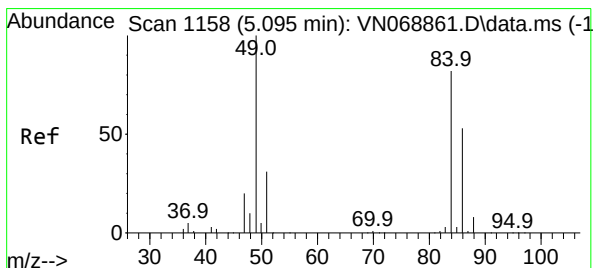
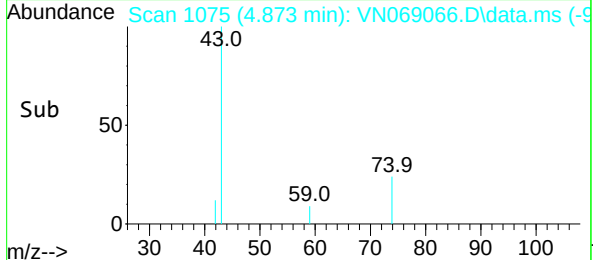
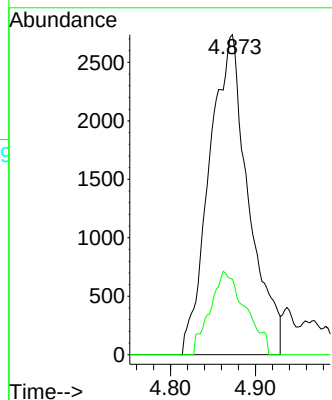
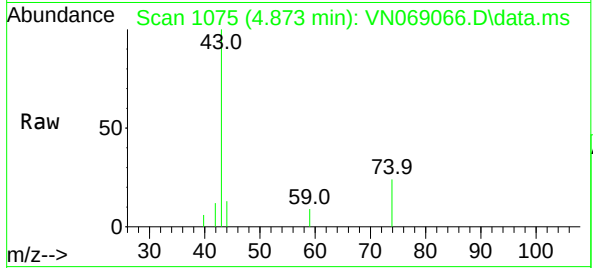




#18
Methyl Acetate
Concen: 1.327 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.019 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

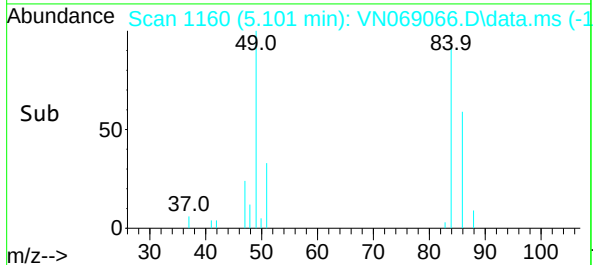
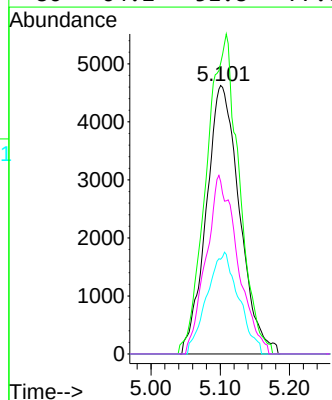
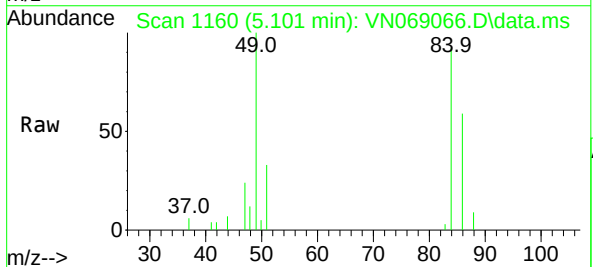
Instrument :
MSVOA_N
ClientSampled :

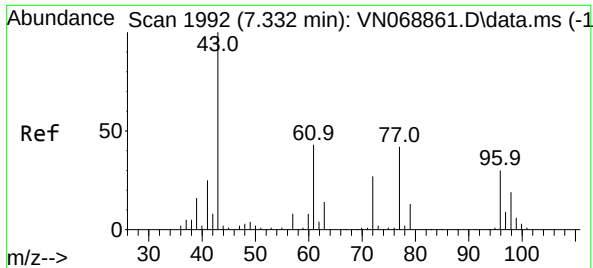
Tgt Ion: 43 Resp: 8788
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3



#20
Methylene Chloride
Concen: 3.845 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion: 84 Resp: 15449
Ion Ratio Lower Upper
84 100
49 108.3 97.6 146.4
51 35.3 30.3 45.5
86 64.2 51.8 77.6

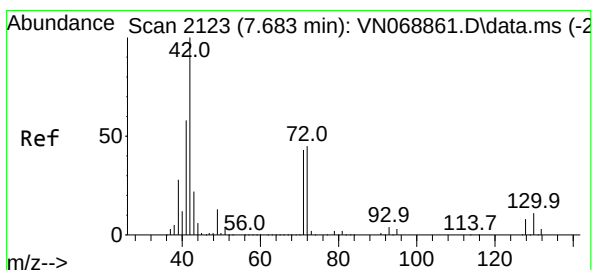
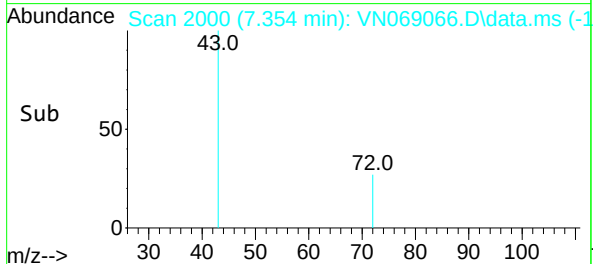
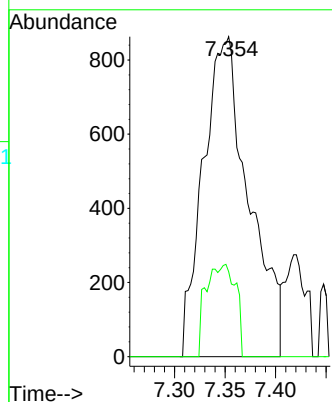
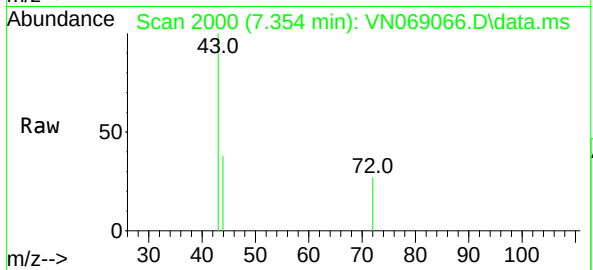




#25
2-Butanone
Concen: 1.027 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.022 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

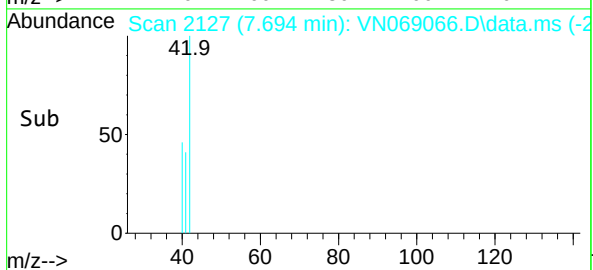
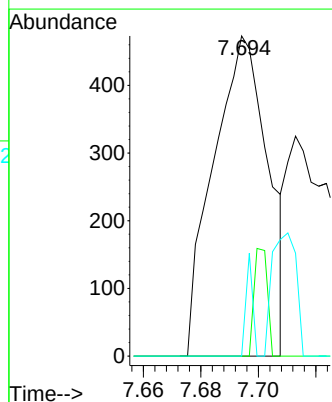
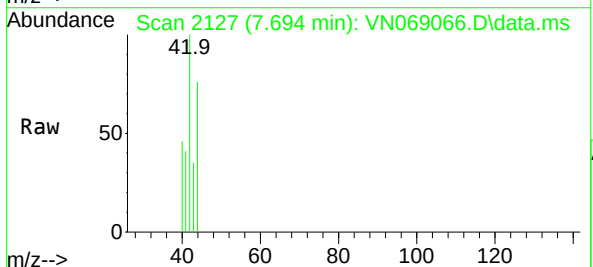
Instrument :
MSVOA_N
ClientSampled :

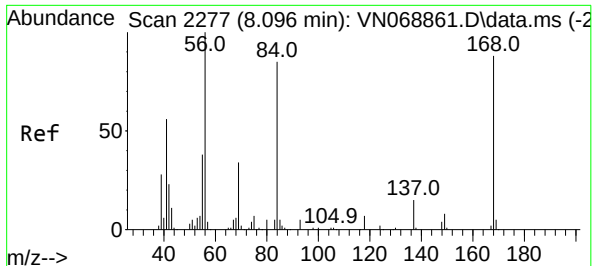
Tgt Ion: 43 Resp: 2710
Ion Ratio Lower Upper
43 100
72 26.5 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.363 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion: 42 Resp: 622
Ion Ratio Lower Upper
42 100
72 8.2 35.4 53.2#
71 3.9 33.8 50.6#

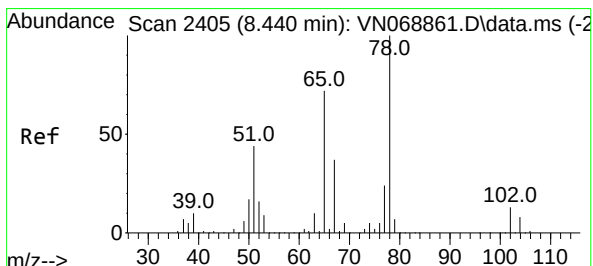
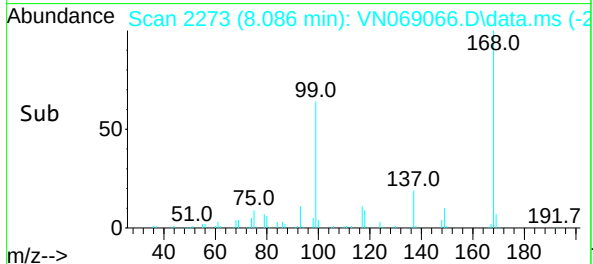
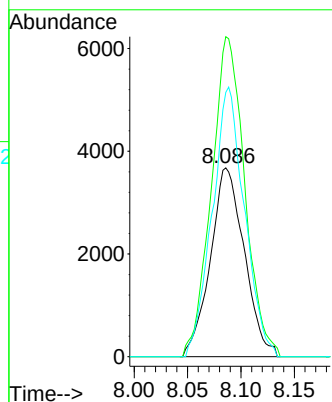
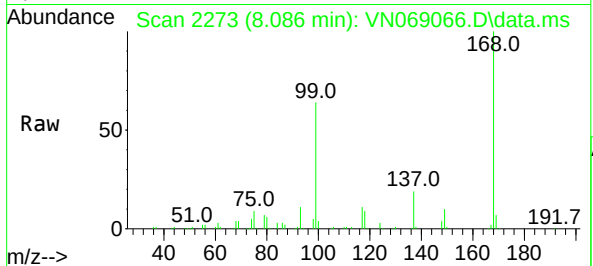




#31
Cyclohexane
Concen: 1.115 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

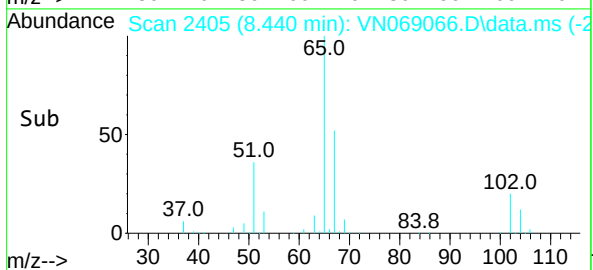
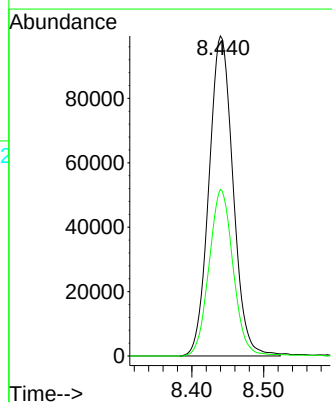
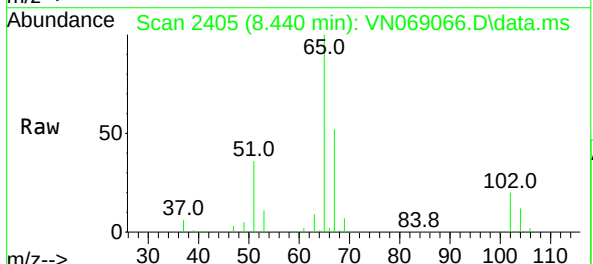
Instrument :
MSVOA_N
ClientSampled :

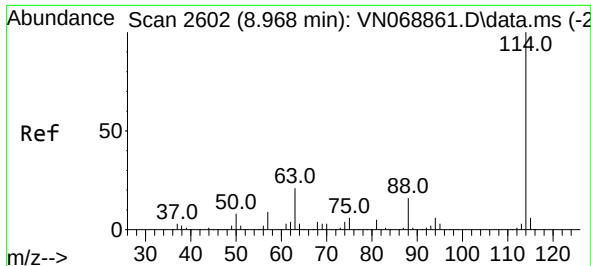
Tgt Ion: 56 Resp: 8109
Ion Ratio Lower Upper
56 100
69 169.4 26.9 40.3#
84 140.0 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.465 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion: 65 Resp: 231399
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8

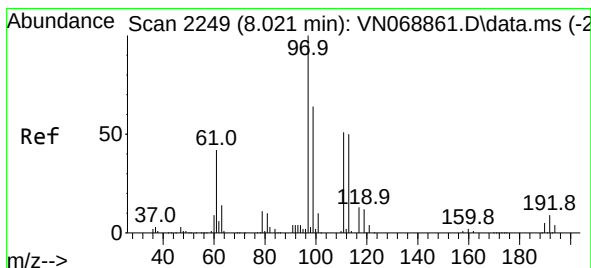
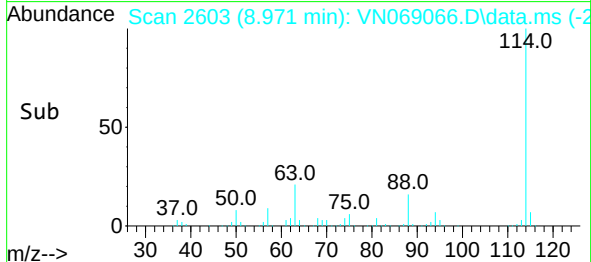
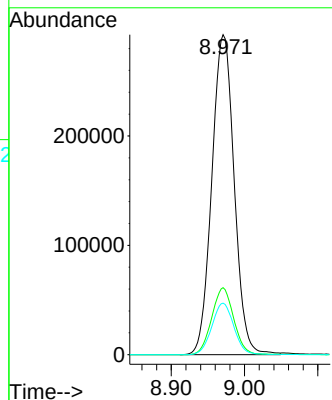
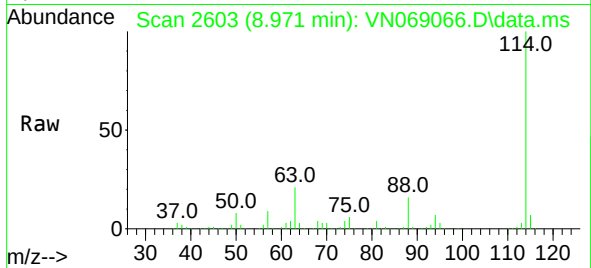




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

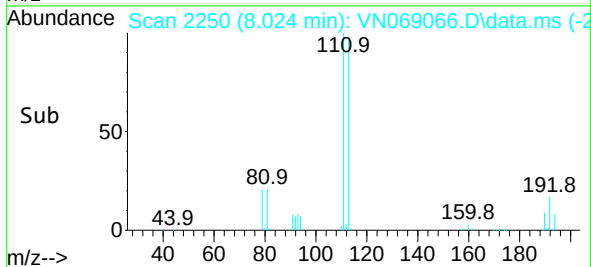
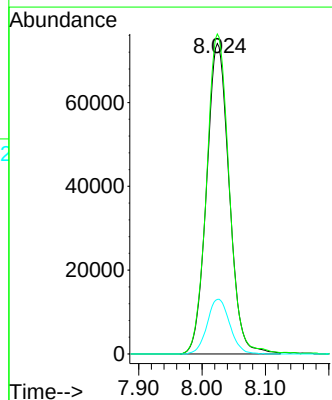
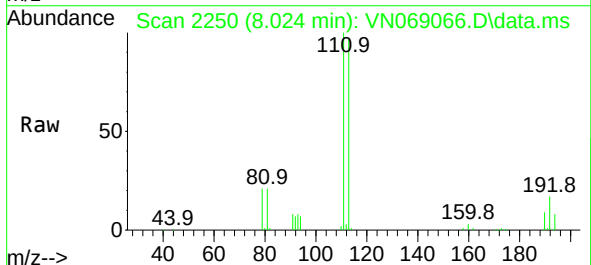
Instrument :
MSVOA_N
ClientSampled :

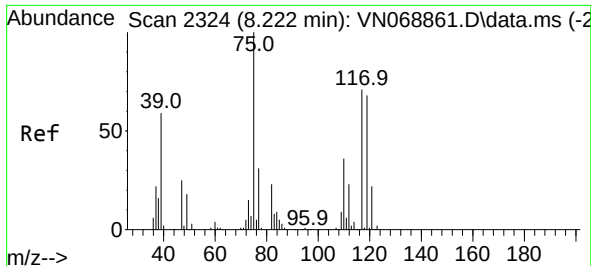
Tgt Ion:114 Resp: 620870
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.6
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.891 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion:113 Resp: 183832
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 17.6 15.0 22.4

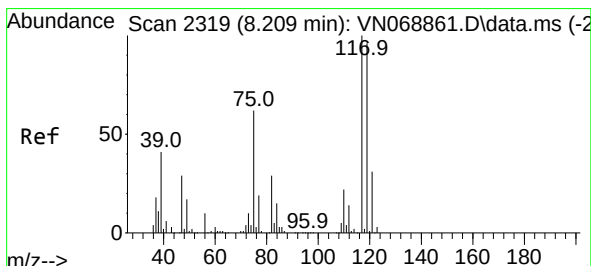
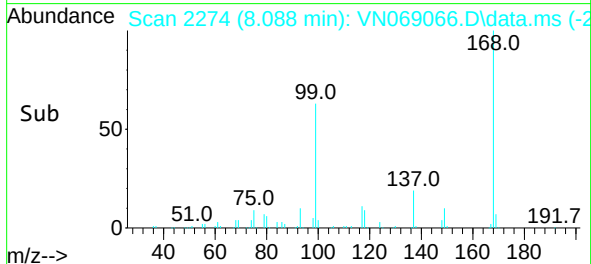
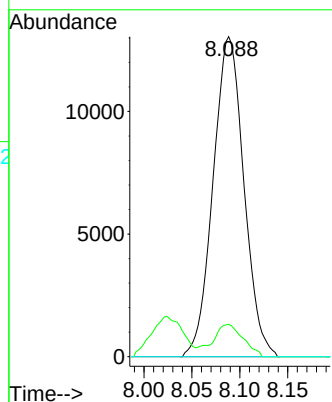
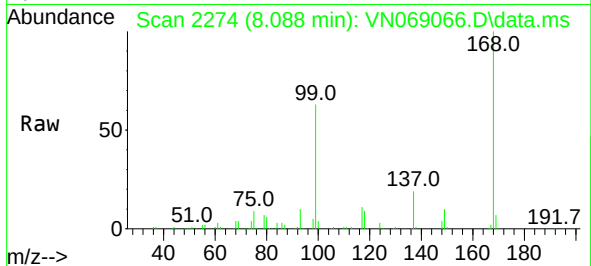




#36
1,1-Dichloropropene
Concen: 5.491 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

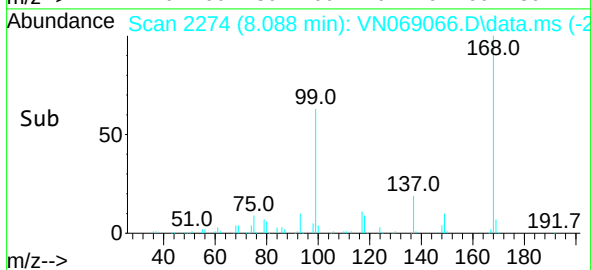
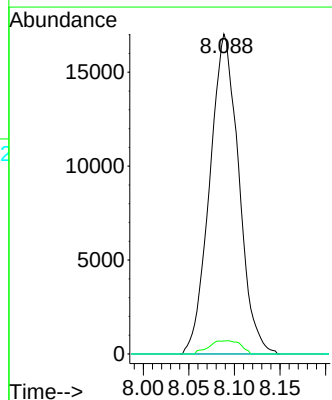
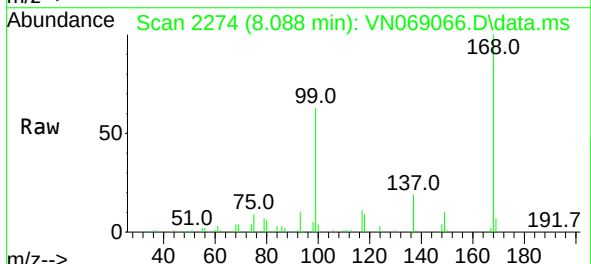
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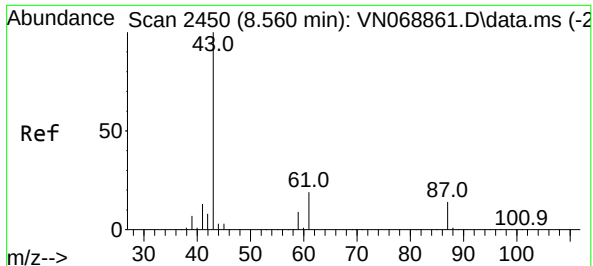
Tgt Ion: 75 Resp: 29119
Ion Ratio Lower Upper
75 100
110 9.9 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.476 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion: 117 Resp: 37719
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 6.478 ug/l

RT: 8.574 min Scan# 2455

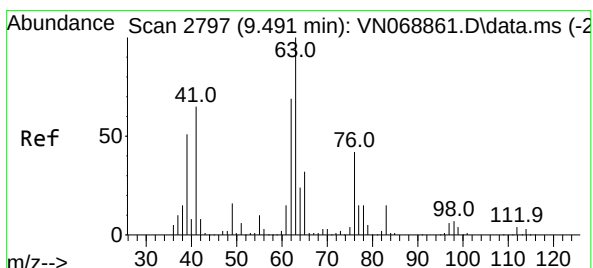
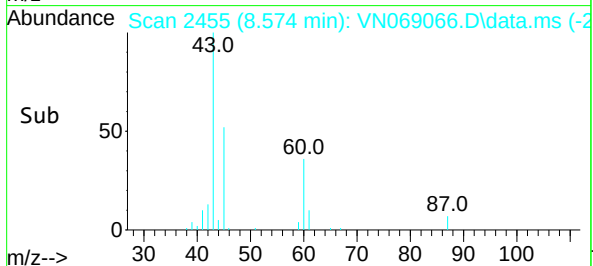
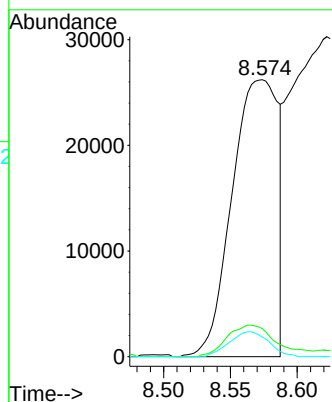
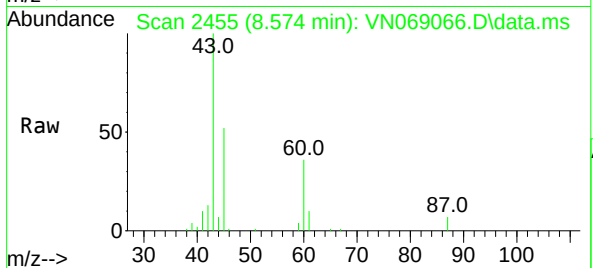
Delta R.T. 0.014 min

Lab File: VN069066.D

Acq: 20 Oct 2021 17:01

Tgt Ion: 43	Resp: 62601
Ion Ratio	Lower Upper
43	100
61	12.3 20.4 30.6#
87	7.8 10.7 16.1#

Instrument :
MSVOA_N
ClientSampled :



#45

1,2-Dichloropropane

Concen: 0.482 ug/l

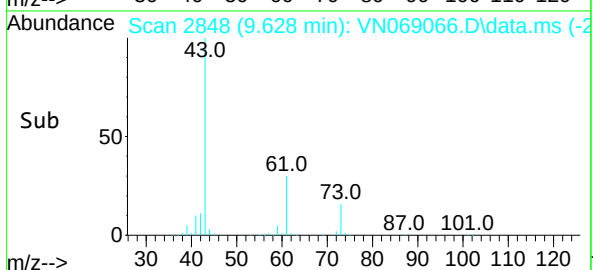
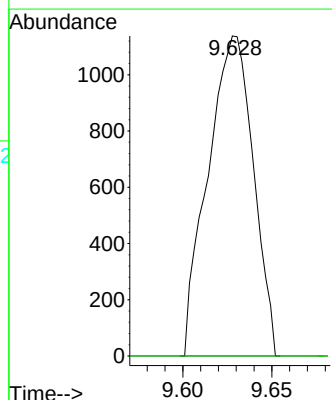
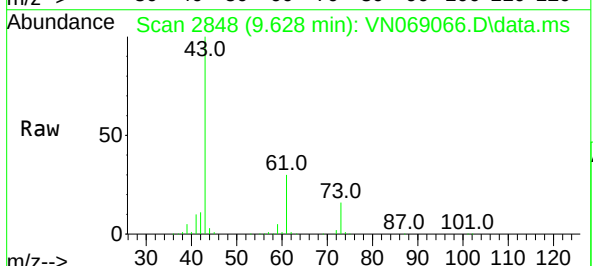
RT: 9.628 min Scan# 2848

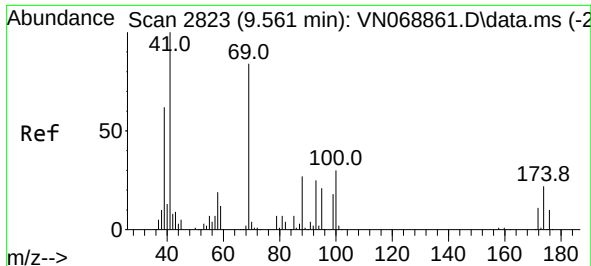
Delta R.T. 0.137 min

Lab File: VN069066.D

Acq: 20 Oct 2021 17:01

Tgt Ion: 63	Resp: 2018
Ion Ratio	Lower Upper
63	100
65	0.0 25.6 38.4#

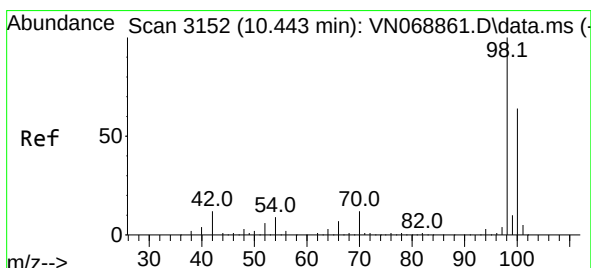
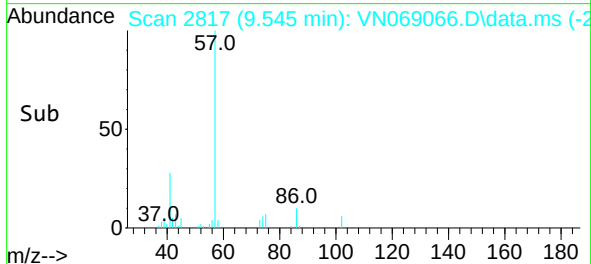
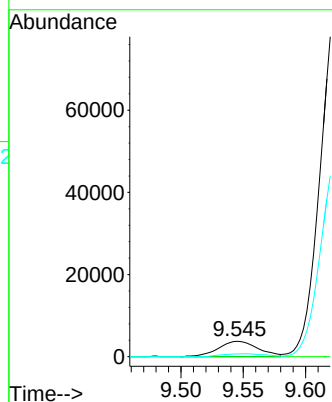
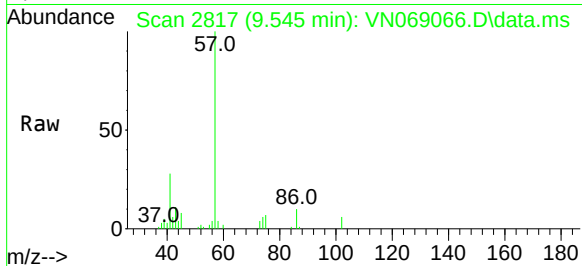




#48
Methyl methacrylate
Concen: 1.831 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

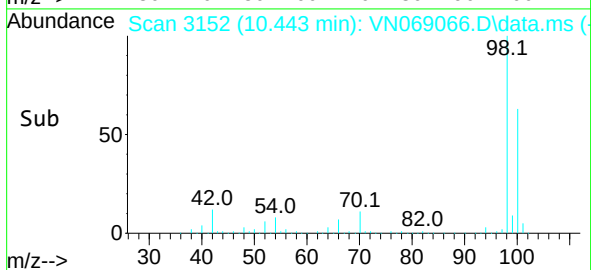
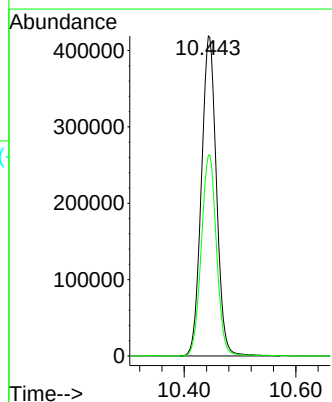
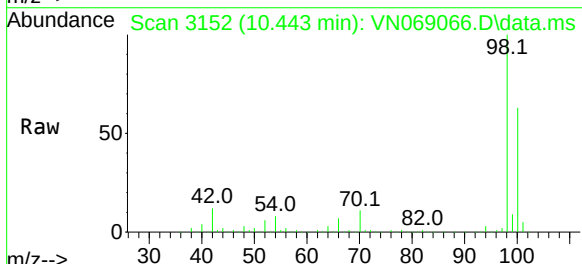
Instrument :
MSVOA_N
ClientSampled :

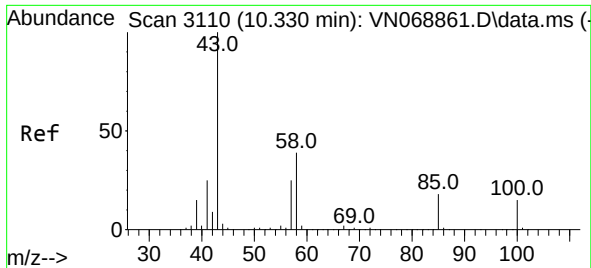
Tgt Ion: 41 Resp: 8314
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#50
Toluene-d8
Concen: 54.260 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion: 98 Resp: 784243
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3

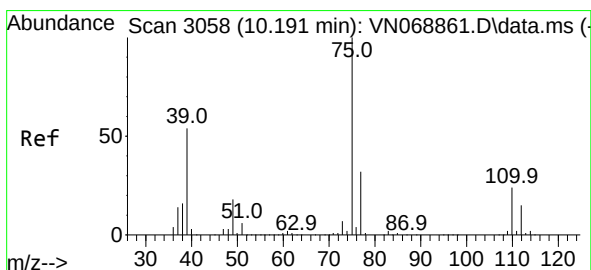
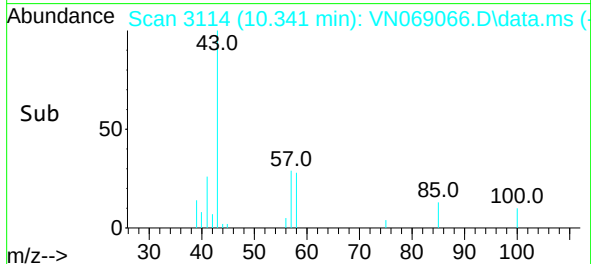
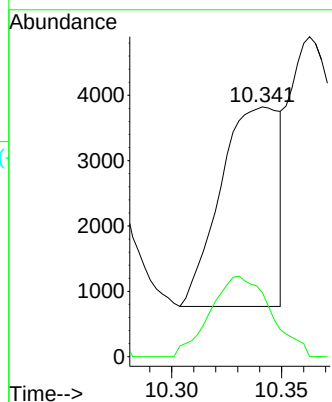
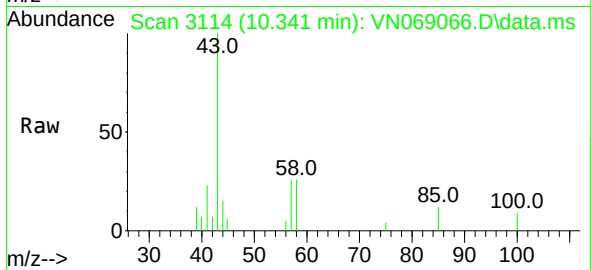




#51
4-Methyl-2-Pentanone
Concen: 1.011 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.011 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

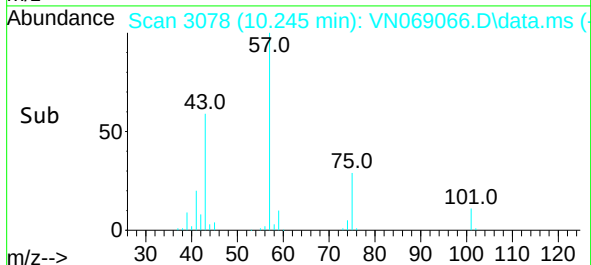
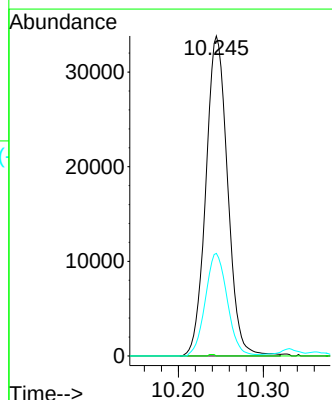
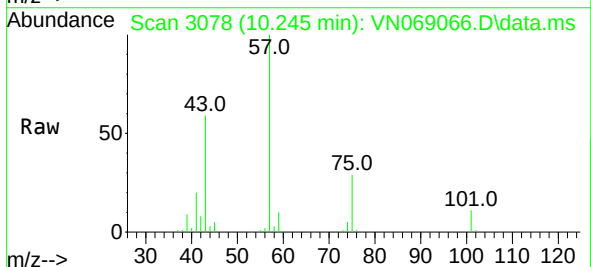
Instrument :
MSVOA_N
ClientSampled :

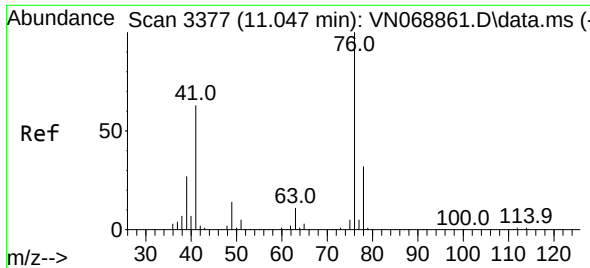
Tgt Ion: 43 Resp: 5664
Ion Ratio Lower Upper
43 100
58 41.6 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 8.602 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion: 75 Resp: 60093
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 32.1 42.9 64.3#

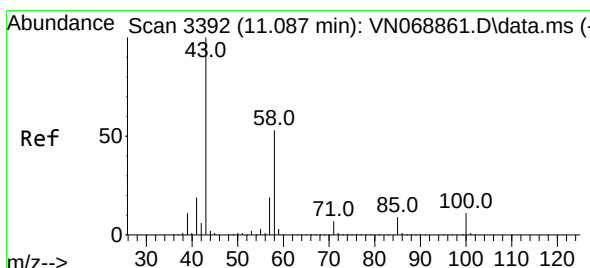
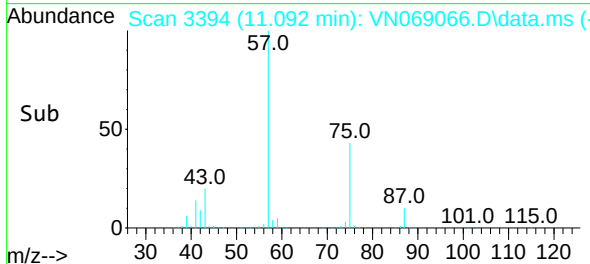
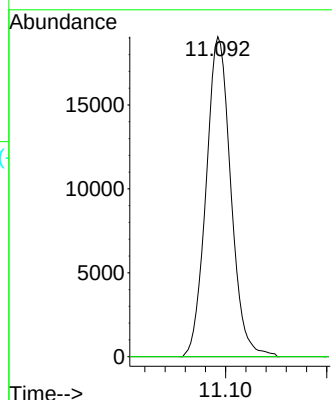
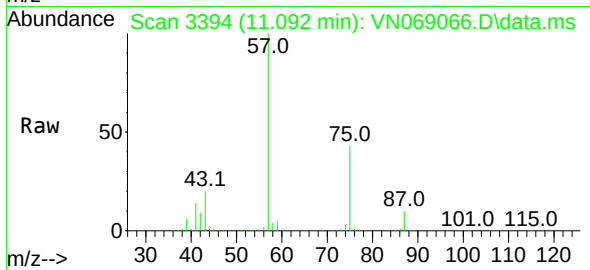




#57
1,3-Dichloropropane
Concen: 4.797 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

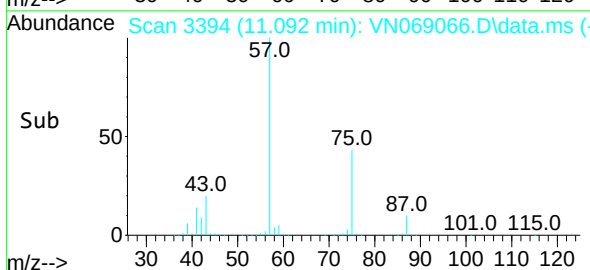
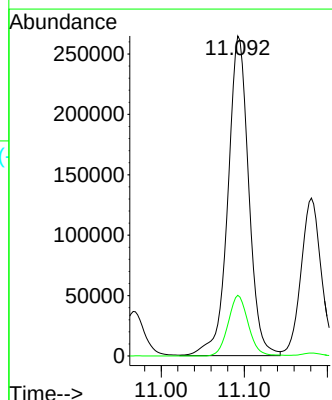
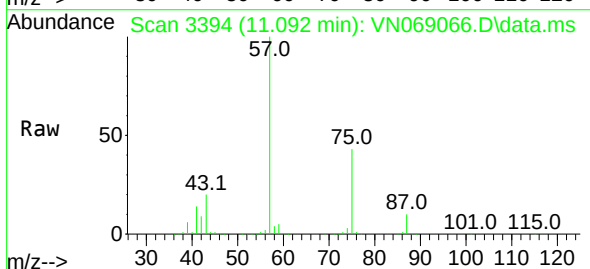
Instrument :
MSVOA_N
ClientSampled :

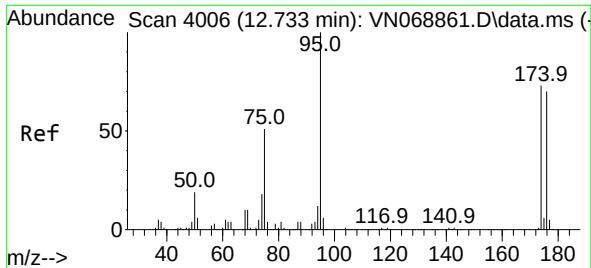
Tgt Ion: 76 Resp: 32402
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 114.755 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion: 43 Resp: 461135
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

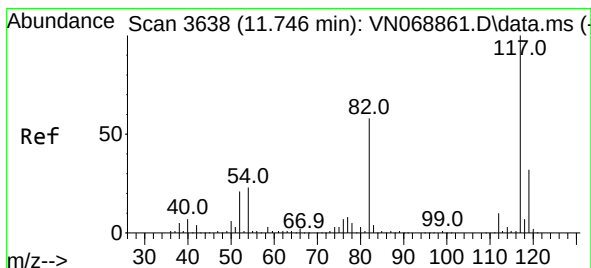
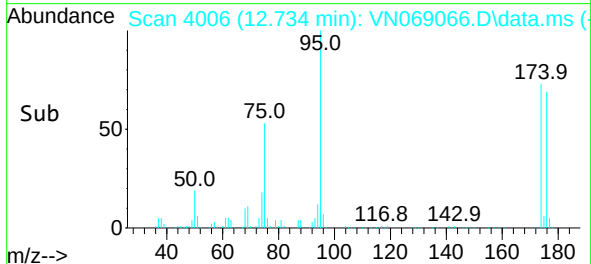
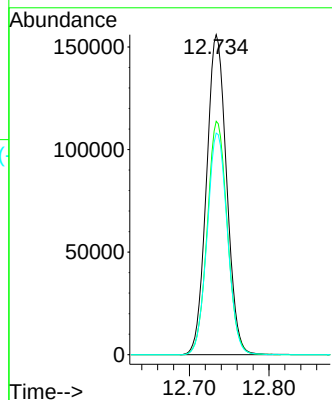
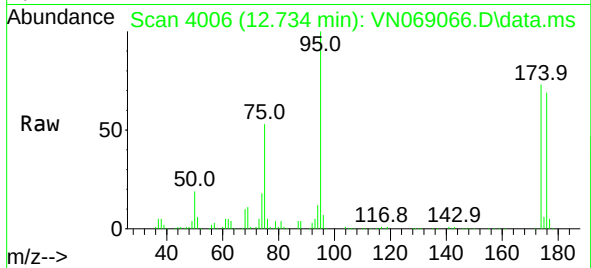




#62
4-Bromofluorobenzene
Concen: 50.255 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

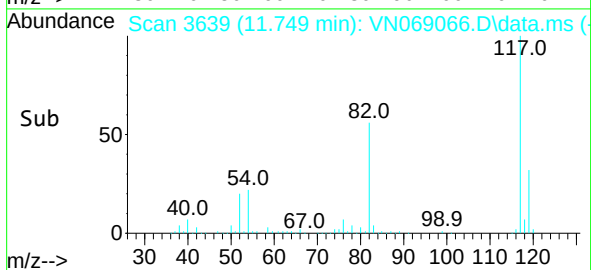
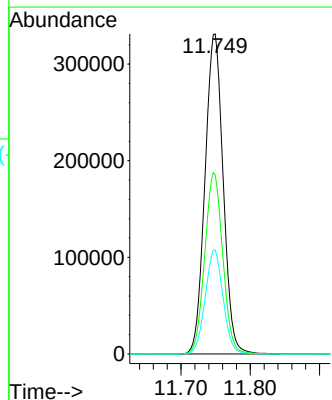
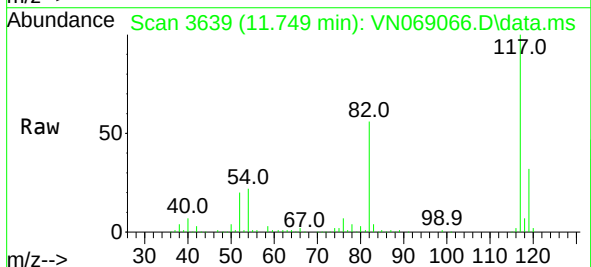
Instrument :
MSVOA_N
ClientSampled :

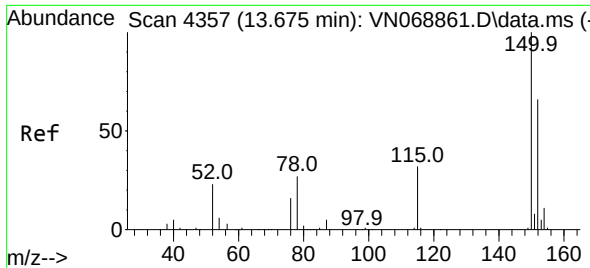
Tgt Ion: 95 Resp: 274045
Ion Ratio Lower Upper
95 100
174 72.6 0.0 144.8
176 69.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion: 117 Resp: 604331
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 32.4 26.0 39.0

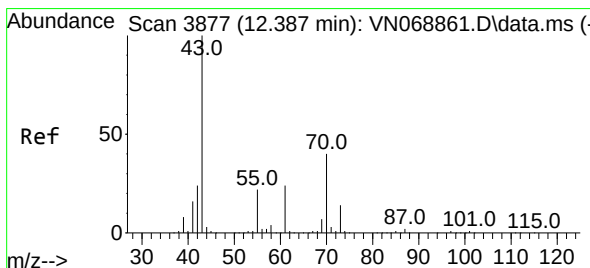
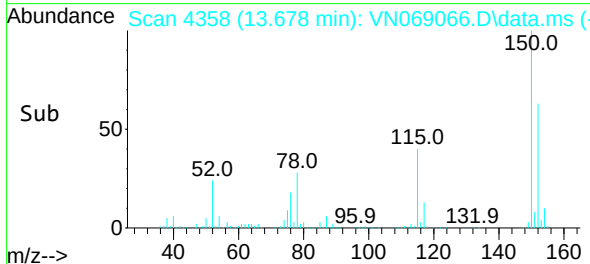
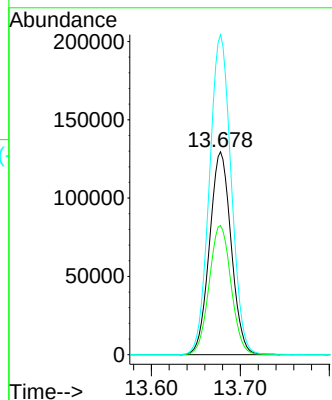
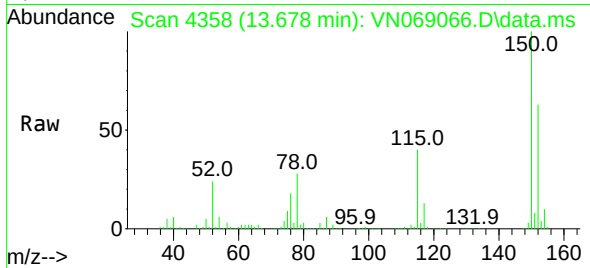




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

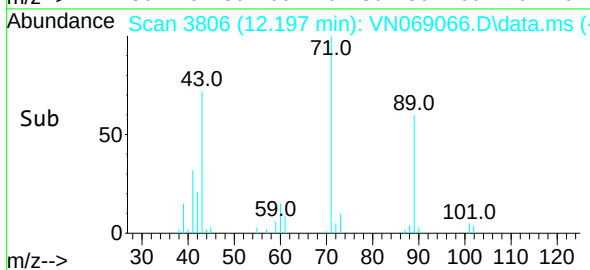
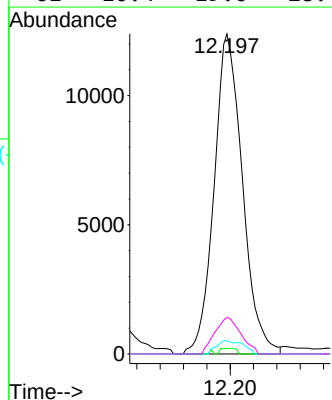
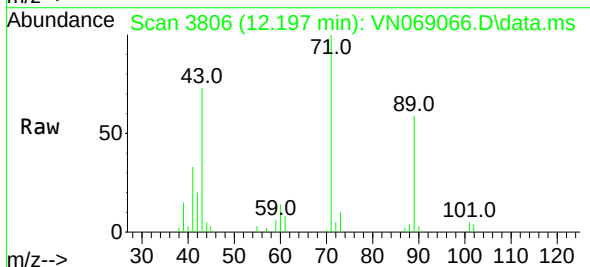
Instrument :
MSVOA_N
ClientSampled :

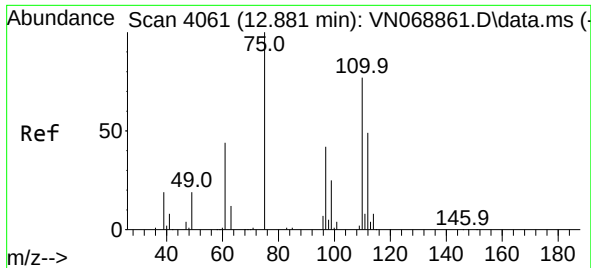
Tgt Ion:152 Resp: 218861
Ion Ratio Lower Upper
152 100
115 64.3 31.4 94.3
150 158.6 0.0 351.0



#74
N-ethyl acetate
Concen: 3.022 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

Tgt Ion: 43 Resp: 20855
Ion Ratio Lower Upper
43 100
70 1.0 32.2 48.2#
55 3.9 18.0 27.0#
61 10.4 19.0 28.4#

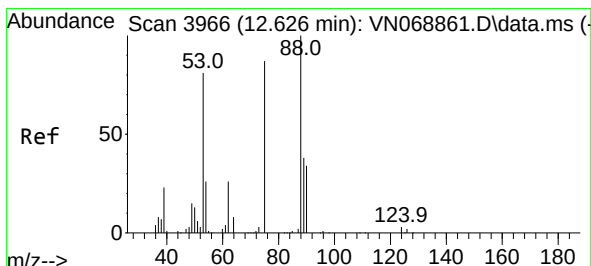
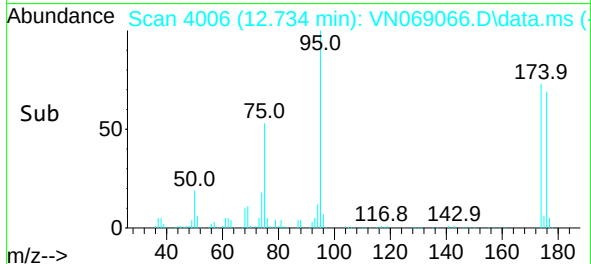
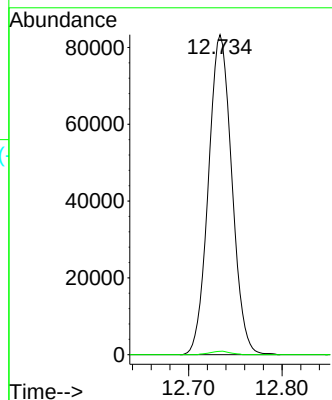
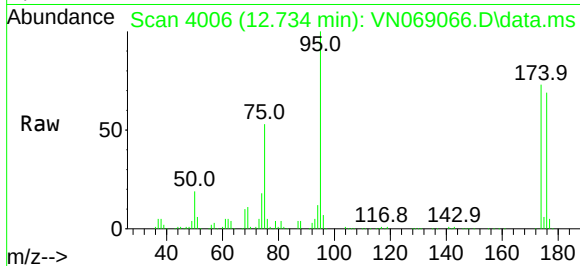




#76
1,2,3-Trichloropropane
Concen: 31.184 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

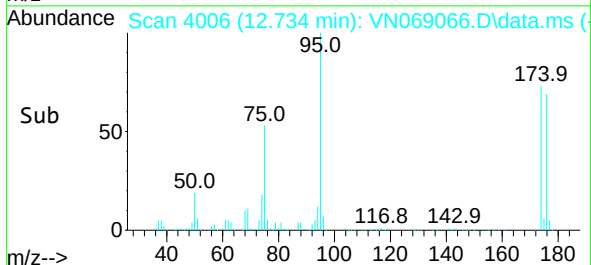
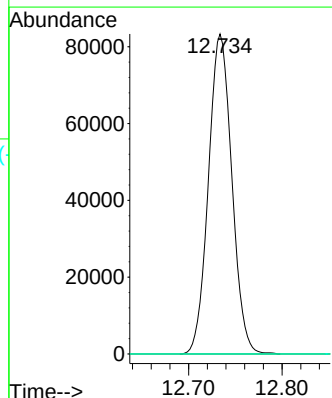
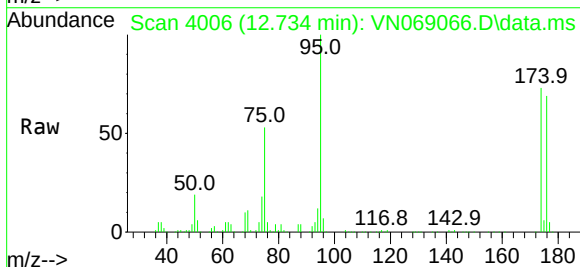
Instrument :
MSVOA_N
ClientSampled :

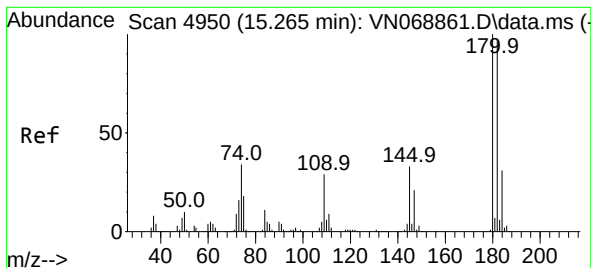
Tgt Ion: 75 Resp: 145216
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.606 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

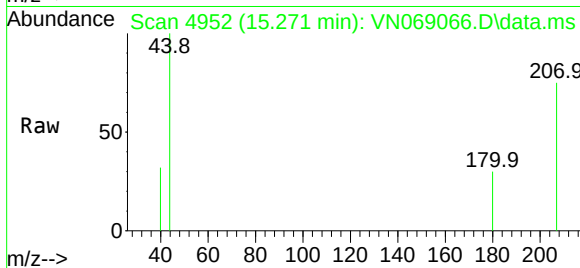
Tgt Ion: 75 Resp: 145216
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



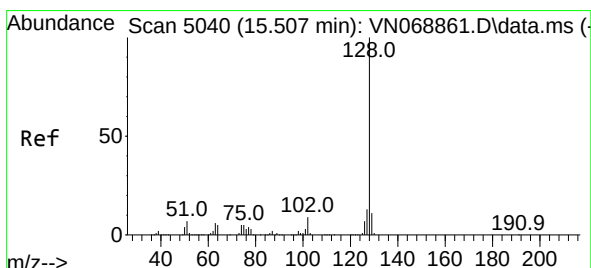
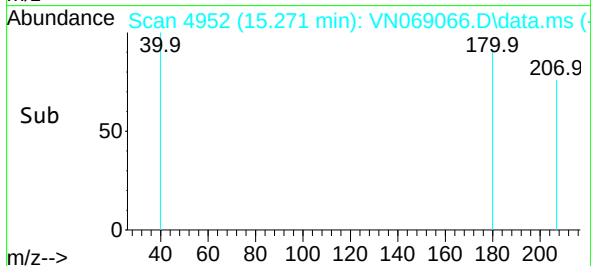
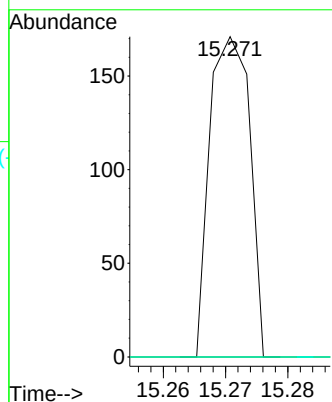


#93
1,2,4-Trichlorobenzene
Concen: 2.621 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01

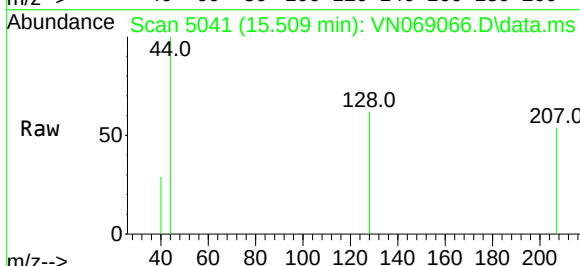
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:180 Resp: 76
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 3.861 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069066.D
Acq: 20 Oct 2021 17:01



Tgt Ion:128 Resp: 540
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

