

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069069.D
 Acq On : 20 Oct 2021 18:17
 Operator : JC/MD
 Sample : M4252-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:15:41 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

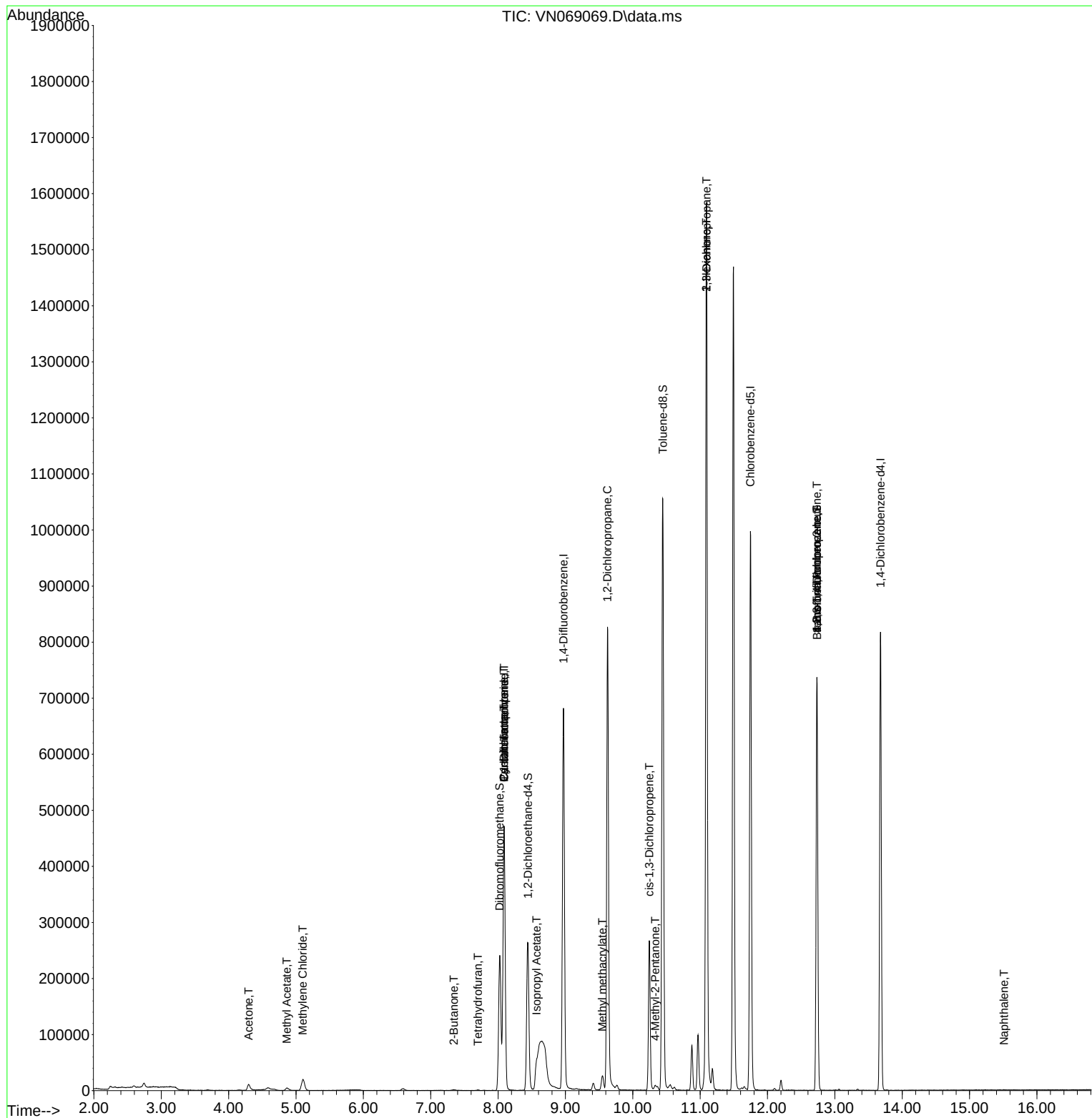
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.091	168	353675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	614857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	585210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	216051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	229675	49.254	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	98.500%	
35) Dibromofluoromethane	8.024	113	180066	50.336	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.680%	
50) Toluene-d8	10.446	98	766179	53.529	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	107.060%	
62) 4-Bromofluorobenzene	12.733	95	270016	50.001	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	100.000%	
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	20178	11.595	ug/l	97
18) Methyl Acetate	4.864	43	10009	1.516	ug/l	98
20) Methylene Chloride	5.101	84	16940	4.229	ug/l	96
25) 2-Butanone	7.343	43	1837	0.698	ug/l #	84
29) Tetrahydrofuran	7.699	42	795	0.466	ug/l #	45
31) Cyclohexane	8.088	56	8274	1.141	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28942	5.511	ug/l #	49
38) Carbon Tetrachloride	8.091	117	37089	6.430	ug/l #	15
43) Isopropyl Acetate	8.571	43	49011	5.121	ug/l #	78
45) 1,2-Dichloropropane	9.622	63	986	0.238	ug/l #	43
48) Methyl methacrylate	9.547	41	5564	1.237	ug/l #	13
51) 4-Methyl-2-Pentanone	10.333	43	4911	0.885	ug/l	88
54) cis-1,3-Dichloropropene	10.245	75	50943	7.364	ug/l #	60
57) 1,3-Dichloropropane	11.095	76	17446	2.608	ug/l #	42
59) 2-Hexanone	11.092	43	256793	64.529	ug/l #	50
71) Bromoform	12.736	173	1386	0.399	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	141622	30.808	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	141622	73.706	ug/l #	12
95) Naphthalene	15.509	128	386	3.847	ug/l #	69

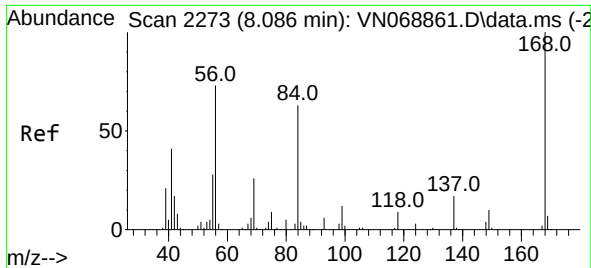
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

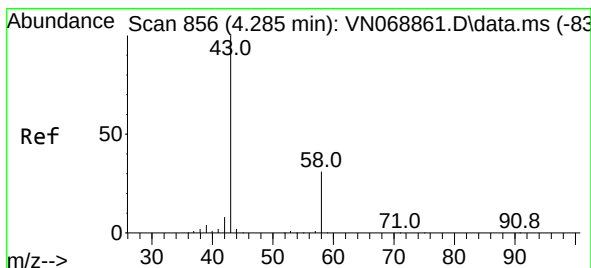
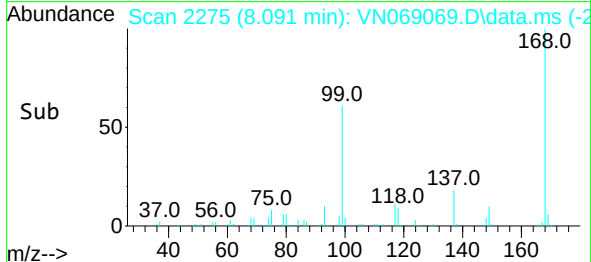
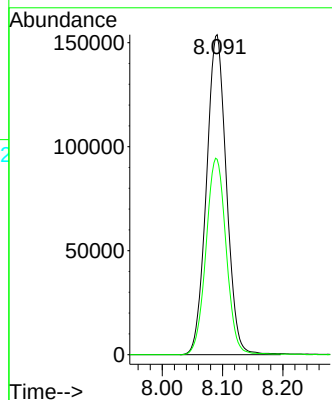
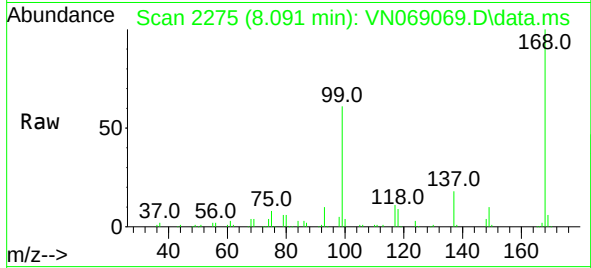




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

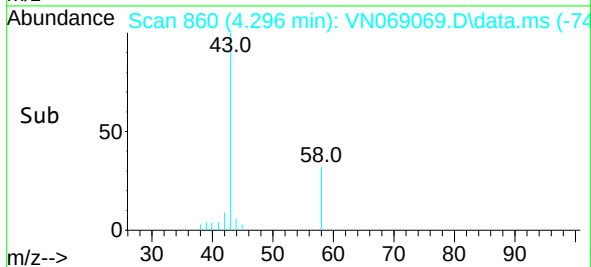
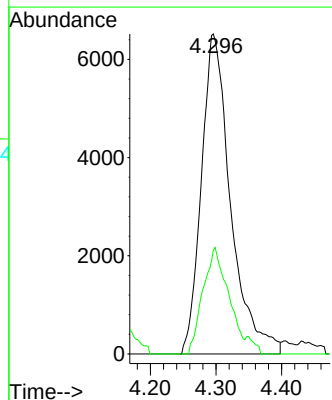
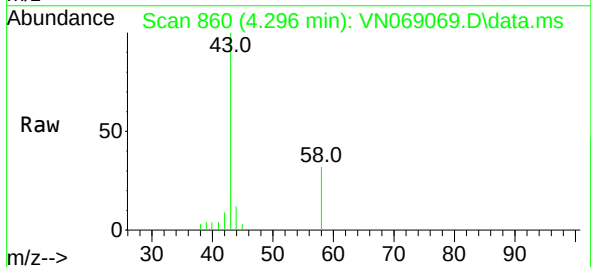
Instrument :
MSVOA_N
ClientSampled :

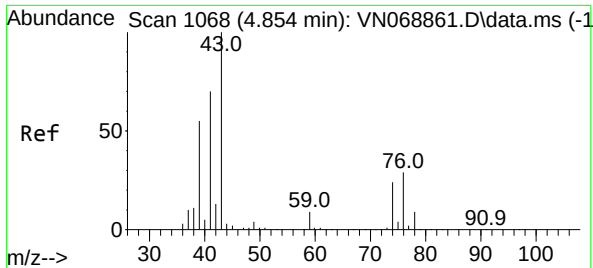
Tgt Ion:168 Resp: 353675
Ion Ratio Lower Upper
168 100
99 61.0 48.9 73.3



#16
Acetone
Concen: 11.595 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Tgt Ion: 43 Resp: 20178
Ion Ratio Lower Upper
43 100
58 32.4 24.5 36.7

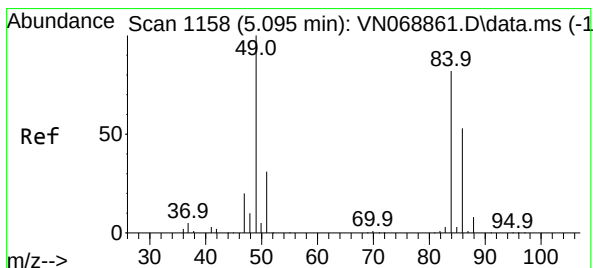
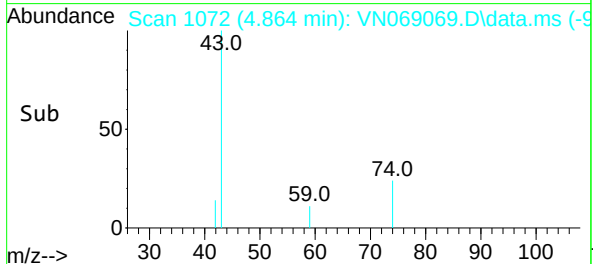
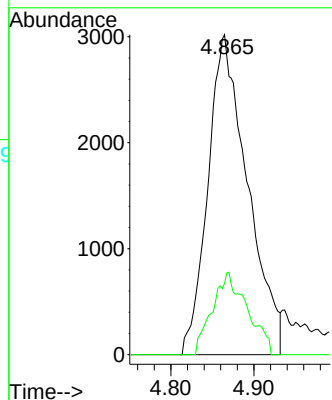
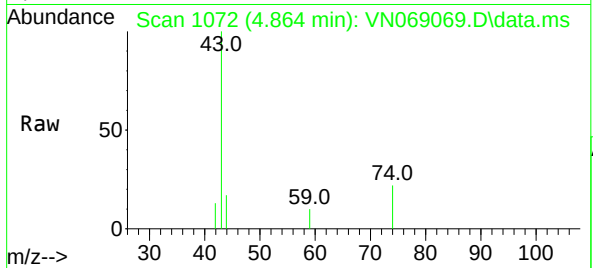




#18
Methyl Acetate
Concen: 1.516 ug/l
RT: 4.864 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

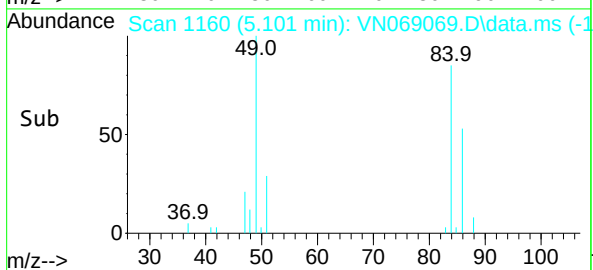
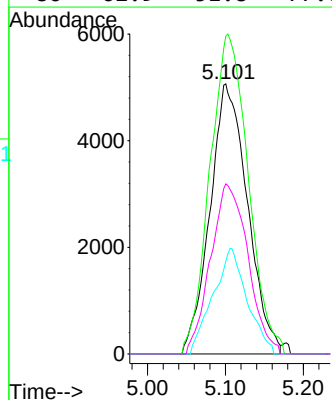
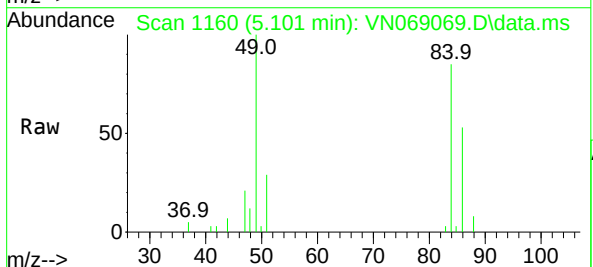
Instrument :
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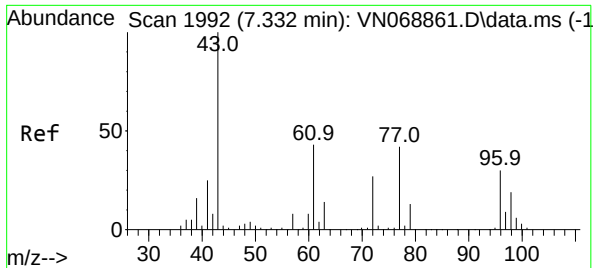
Tgt Ion: 43 Resp: 10009
Ion Ratio Lower Upper
43 100
74 22.6 18.9 28.3



#20
Methylene Chloride
Concen: 4.229 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Tgt Ion: 84 Resp: 16940
Ion Ratio Lower Upper
84 100
49 117.7 97.6 146.4
51 34.3 30.3 45.5
86 62.9 51.8 77.6

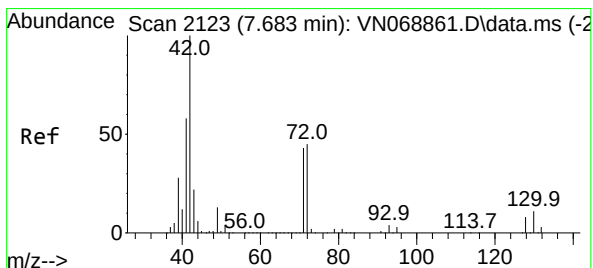
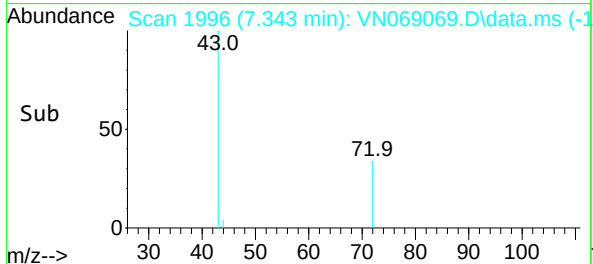
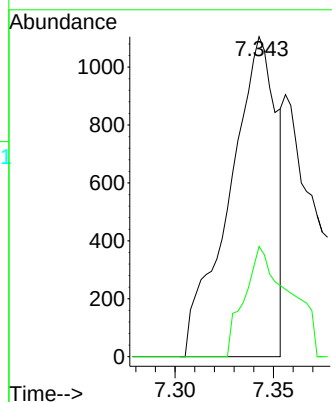
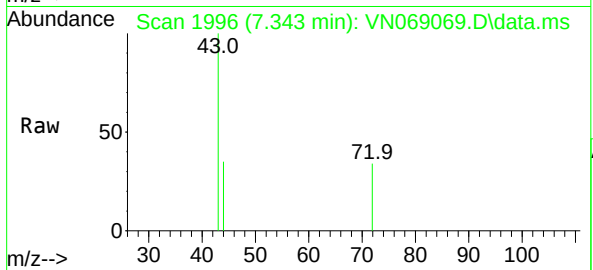




#25
2-Butanone
Concen: 0.698 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

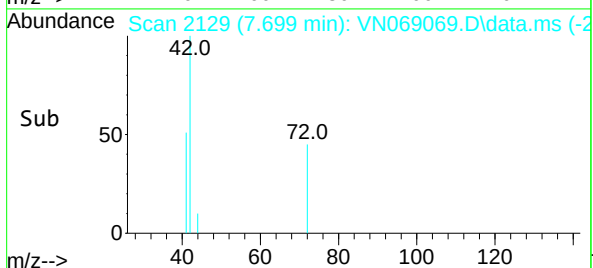
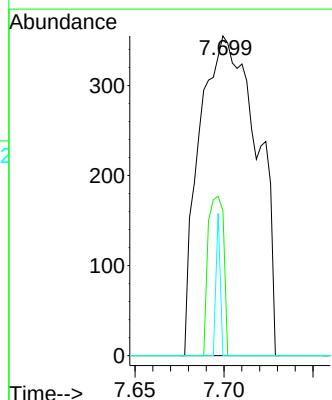
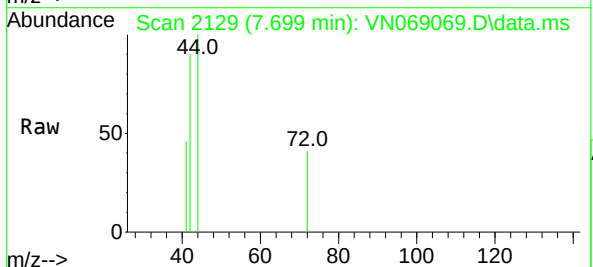
Instrument :
MSVOA_N
ClientSampled :

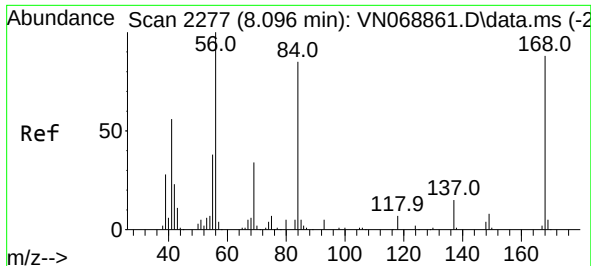
Tgt Ion: 43 Resp: 1837
Ion Ratio Lower Upper
43 100
72 34.5 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.466 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Tgt Ion: 42 Resp: 795
Ion Ratio Lower Upper
42 100
72 13.3 35.4 53.2#
71 3.1 33.8 50.6#

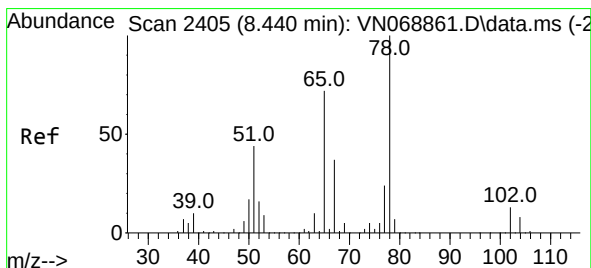
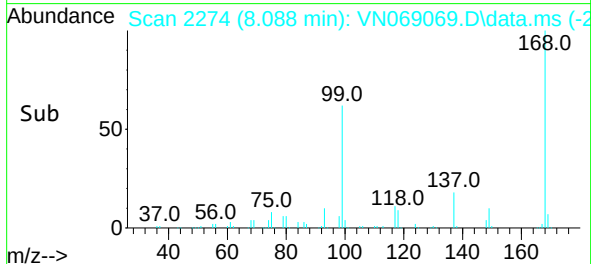
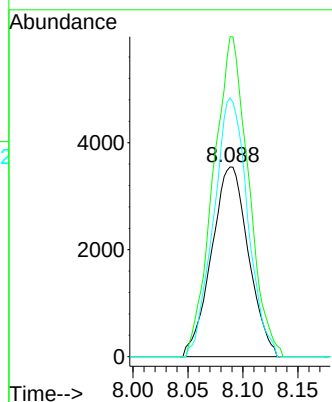
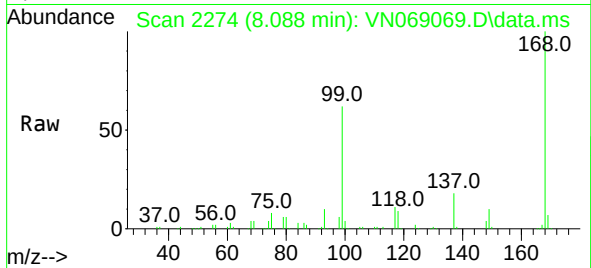




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

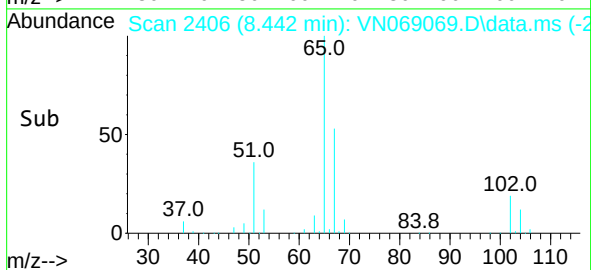
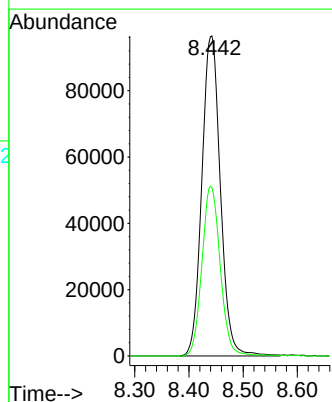
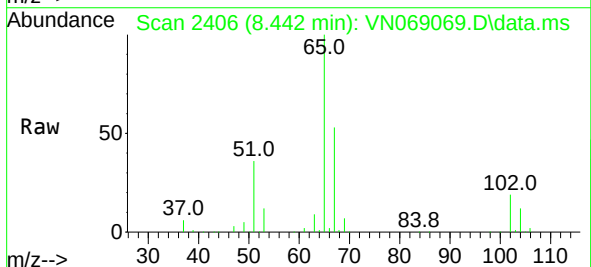
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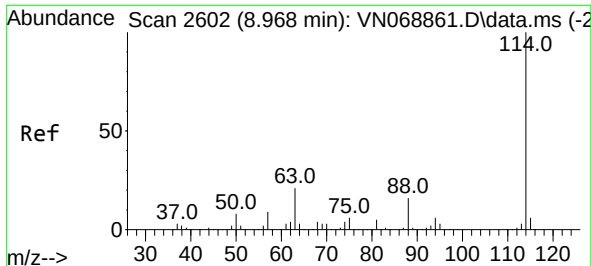
Tgt Ion: 56 Resp: 8274
Ion Ratio Lower Upper
56 100
69 168.6 26.9 40.3#
84 136.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.254 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Tgt Ion: 65 Resp: 229675
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8

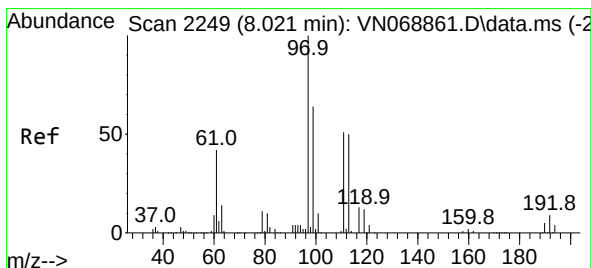
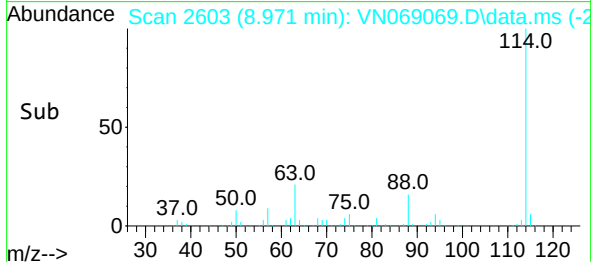
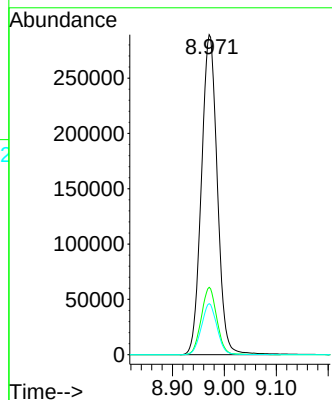
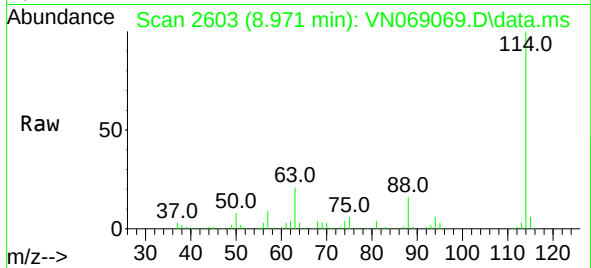




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

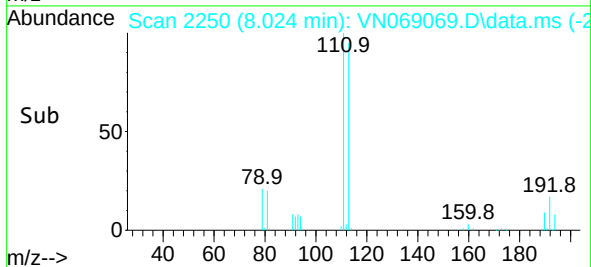
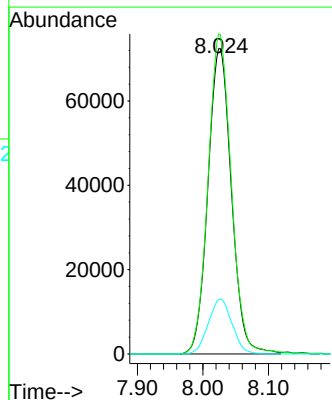
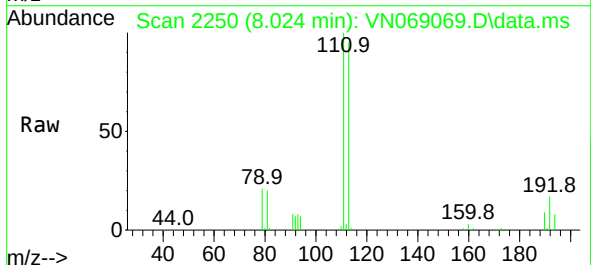
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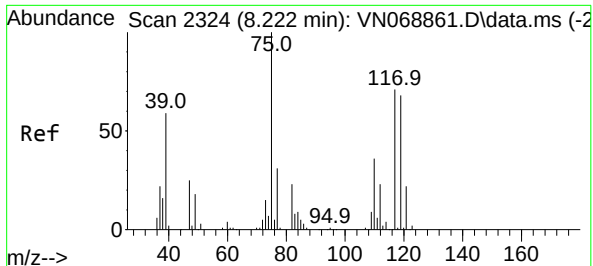
Tgt Ion:114 Resp: 614857
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.336 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

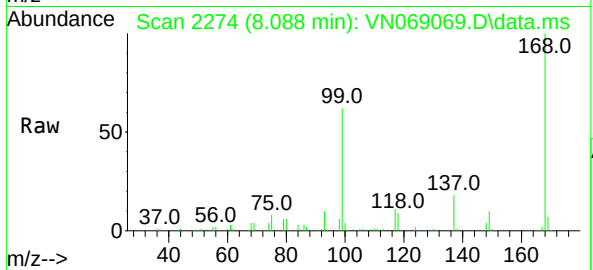
Tgt Ion:113 Resp: 180066
Ion Ratio Lower Upper
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111 103.8 83.2 124.8
192 18.1 15.0 22.4



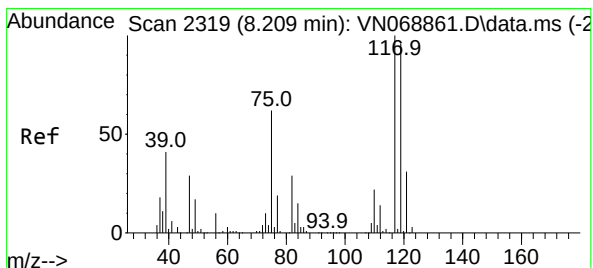
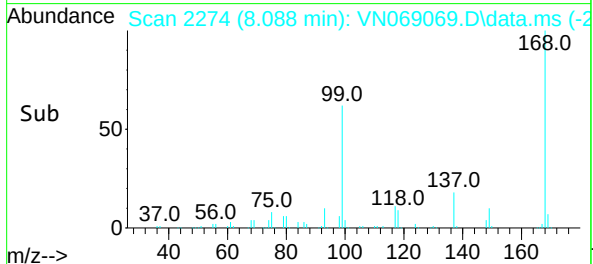
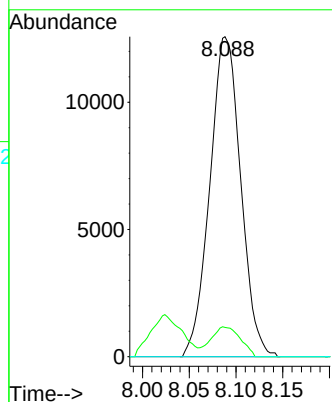


#36
1,1-Dichloropropene
Concen: 5.511 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Instrument :
MSVOA_N
ClientSampled :

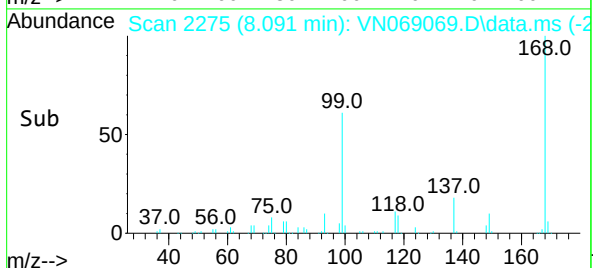
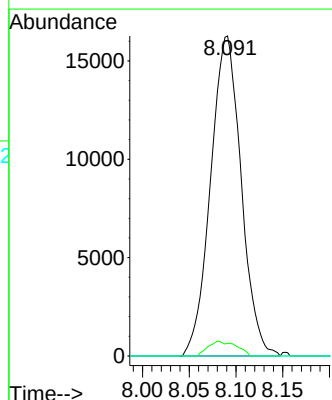
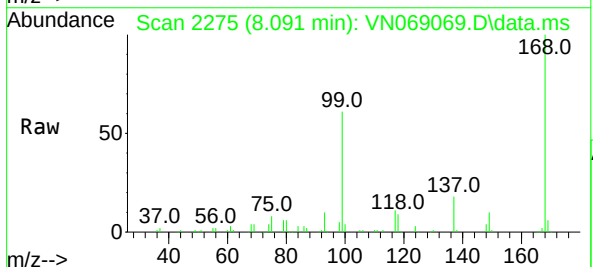


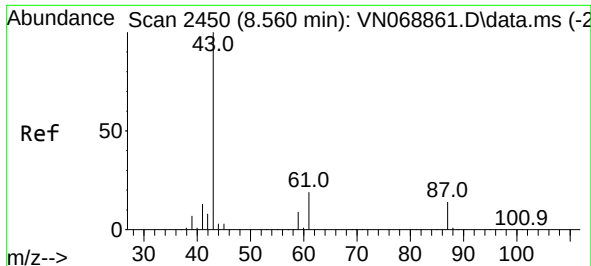
Tgt Ion: 75 Resp: 28942
Ion Ratio Lower Upper
75 100
110 8.9 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.430 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

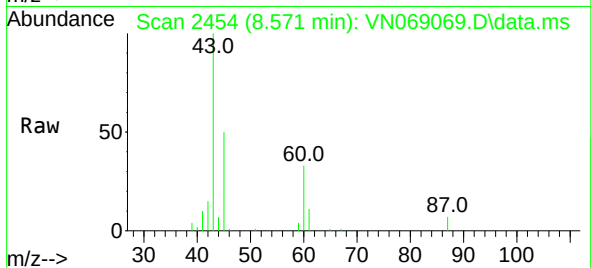
Tgt Ion: 117 Resp: 37089
Ion Ratio Lower Upper
117 100
119 3.9 76.9 115.3#
121 0.0 24.6 37.0#



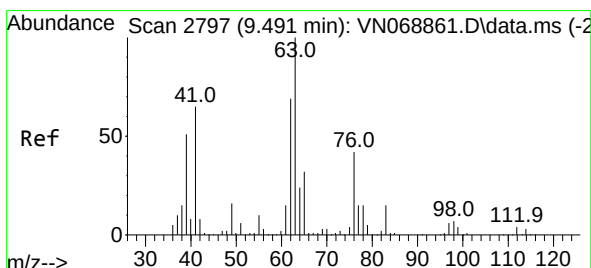
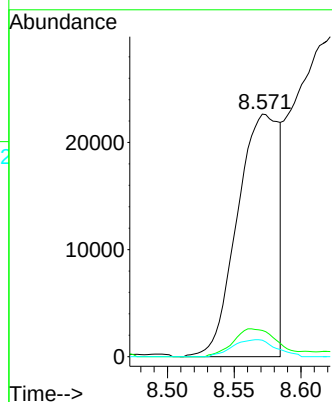
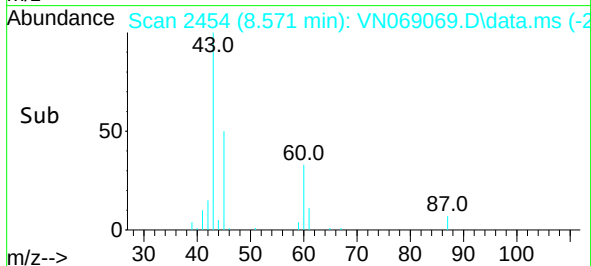


#43
Isopropyl Acetate
Concen: 5.121 ug/l
RT: 8.571 min Scan# 2454
Delta R.T. 0.011 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

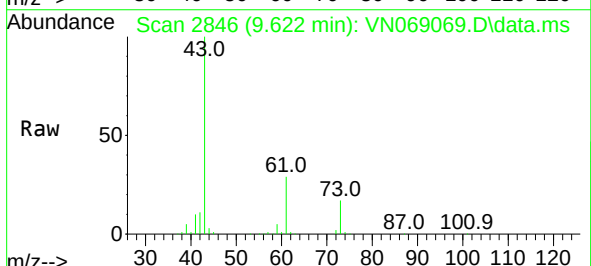
Instrument :
MSVOA_N
ClientSampled :



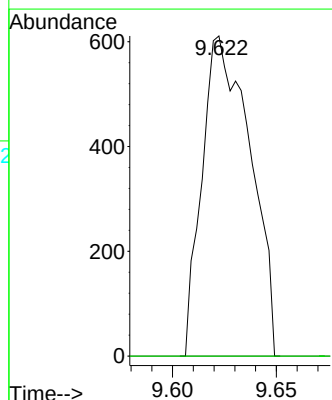
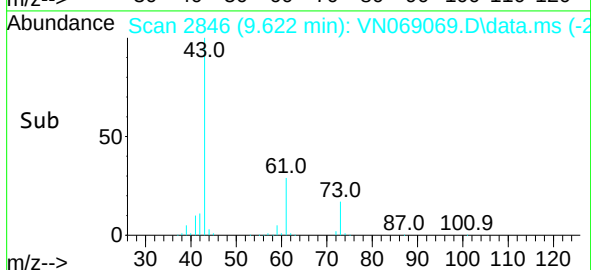
Tgt Ion: 43 Resp: 49011
Ion Ratio Lower Upper
43 100
61 12.8 20.4 30.6#
87 7.2 10.7 16.1#

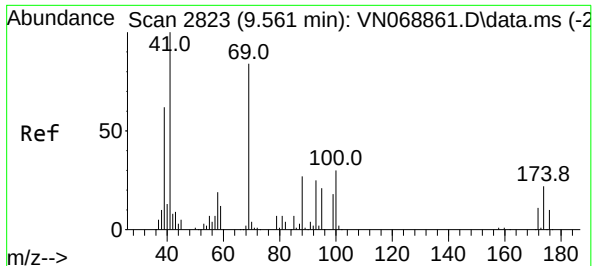


#45
1,2-Dichloropropane
Concen: 0.238 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17



Tgt Ion: 63 Resp: 986
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

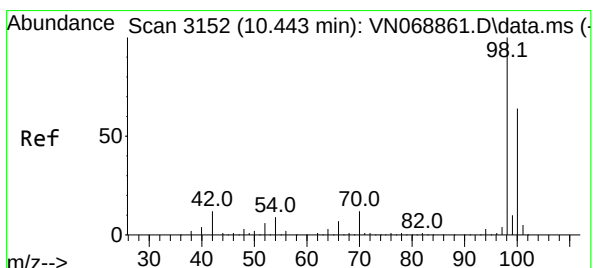
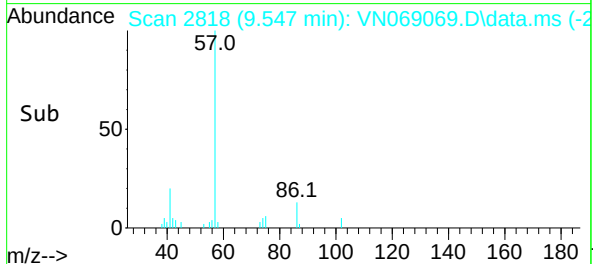
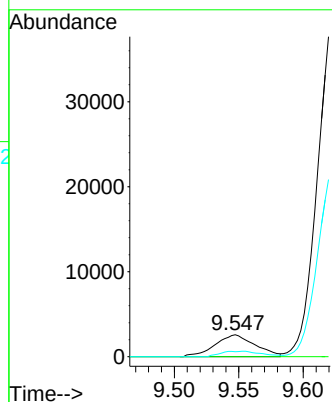
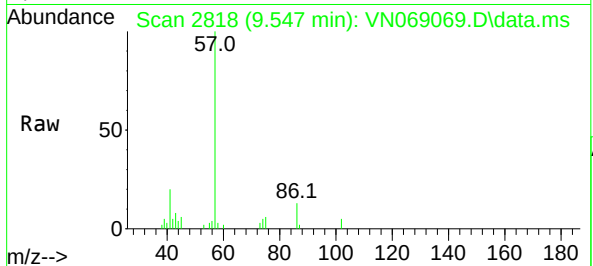




#48
Methyl methacrylate
Concen: 1.237 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

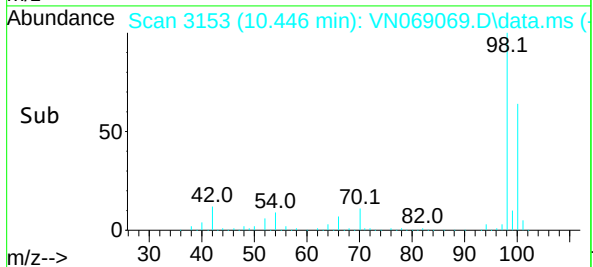
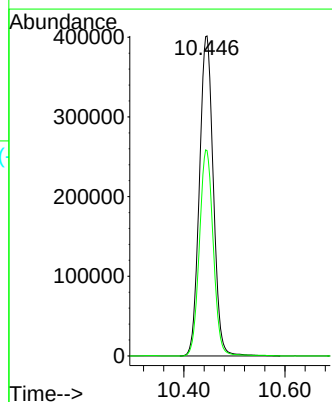
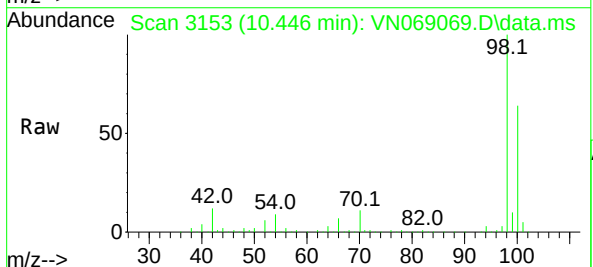
Instrument :
MSVOA_N
ClientSampled :

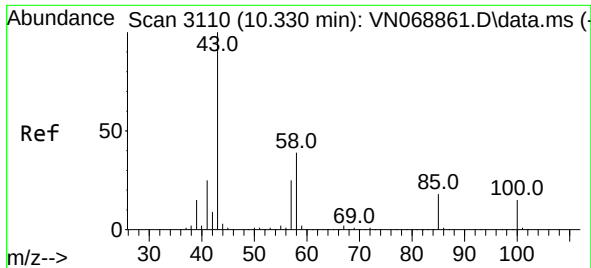
Tgt Ion: 41 Resp: 5564
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#50
Toluene-d8
Concen: 53.529 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Tgt Ion: 98 Resp: 766179
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

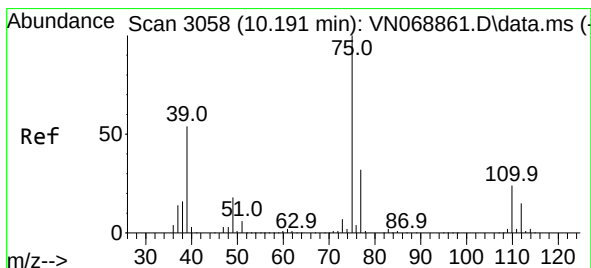
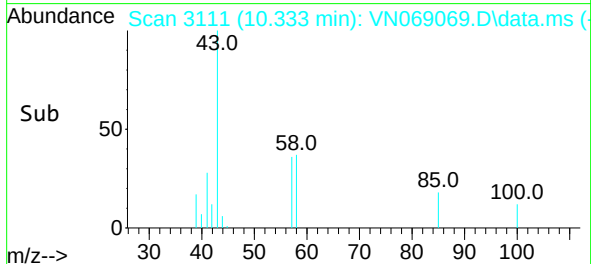
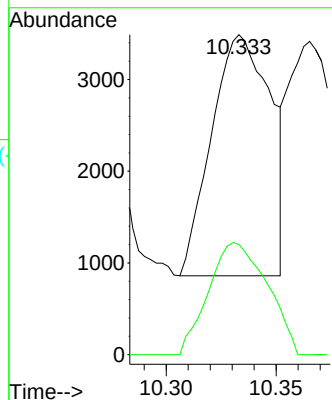
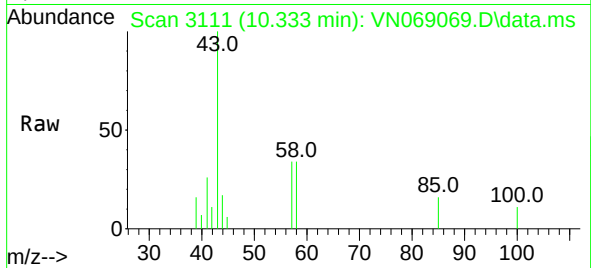




#51
4-Methyl-2-Pentanone
Concen: 0.885 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

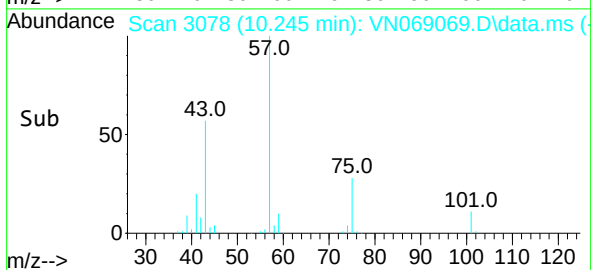
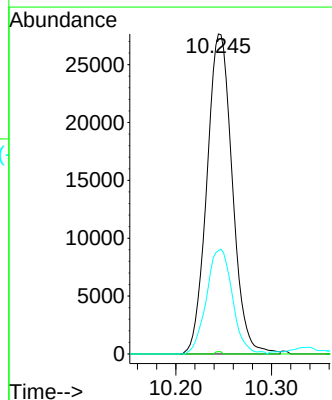
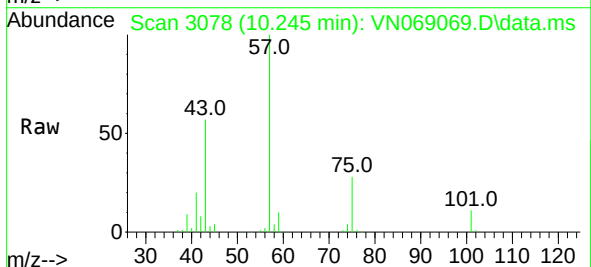
Instrument :
MSVOA_N
ClientSampled :

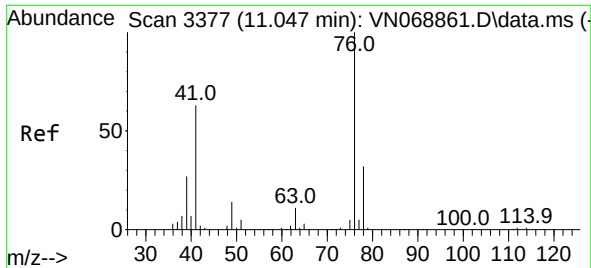
Tgt Ion: 43 Resp: 4911
Ion Ratio Lower Upper
43 100
58 46.2 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 7.364 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Tgt Ion: 75 Resp: 50943
Ion Ratio Lower Upper
75 100
77 0.8 25.6 38.4#
39 32.3 42.9 64.3#

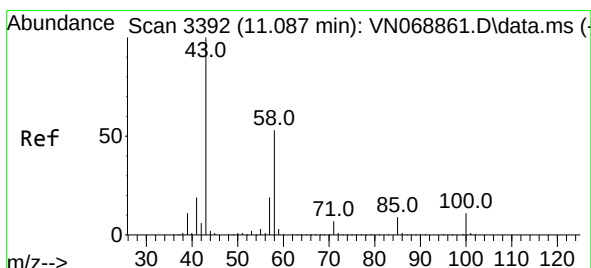
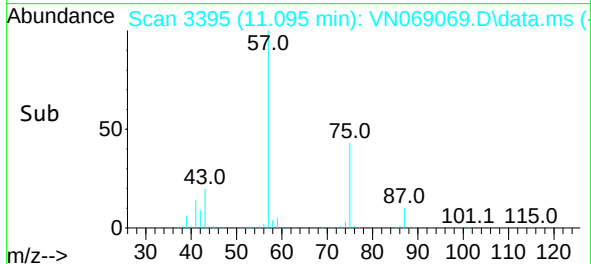
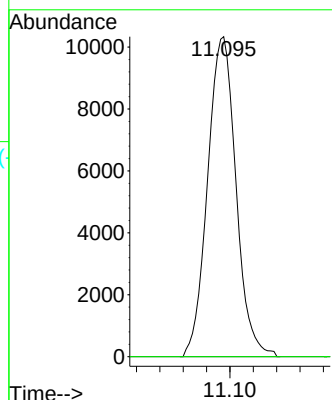
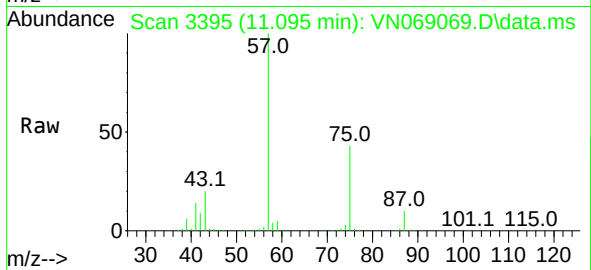




#57
1,3-Dichloropropane
Concen: 2.608 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

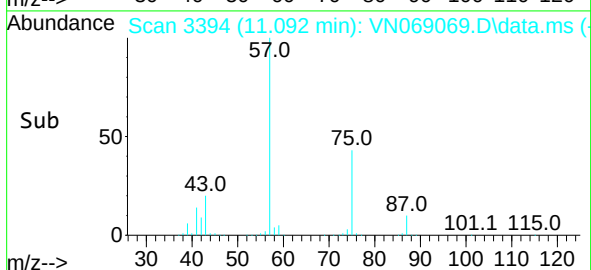
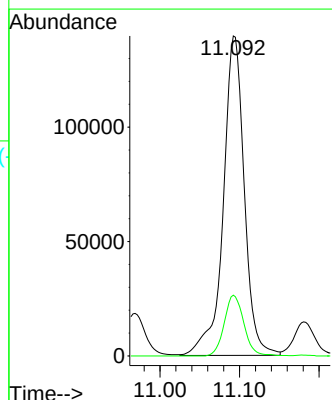
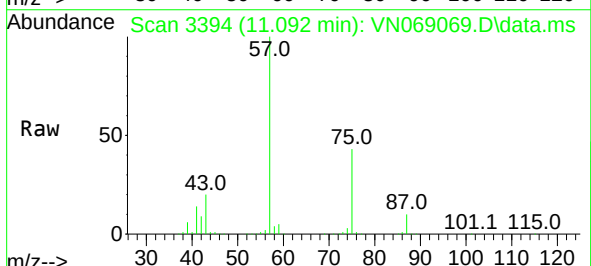
Instrument :
MSVOA_N
ClientSampled :

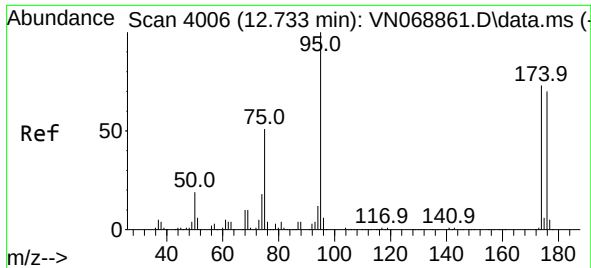
Tgt Ion: 76 Resp: 17446
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 64.529 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Tgt Ion: 43 Resp: 256793
Ion Ratio Lower Upper
43 100
58 17.8 26.9 80.7#

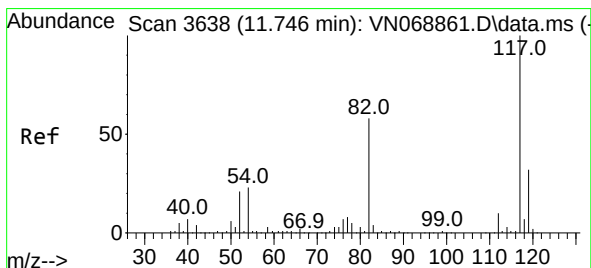
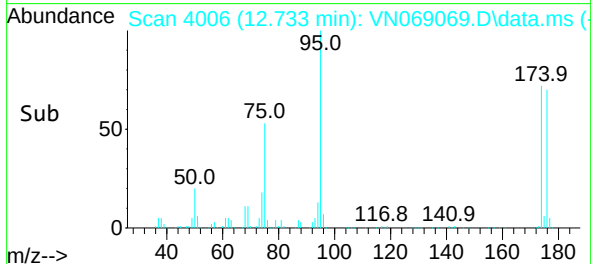
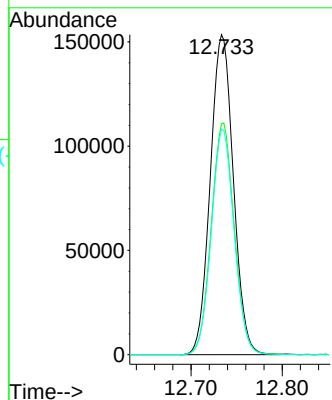
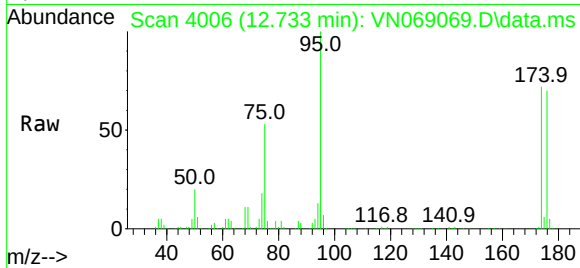




#62
4-Bromofluorobenzene
Concen: 50.001 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

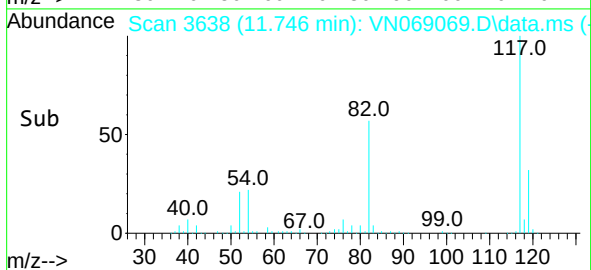
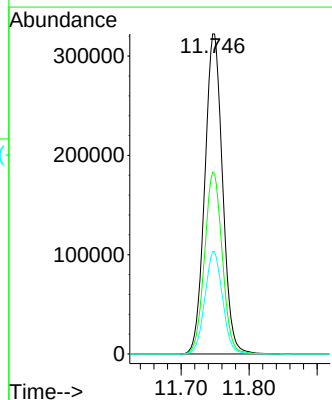
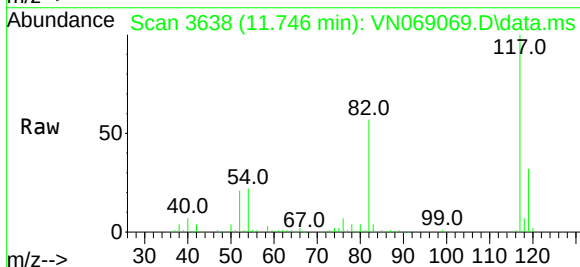
Instrument :
MSVOA_N
ClientSampled :

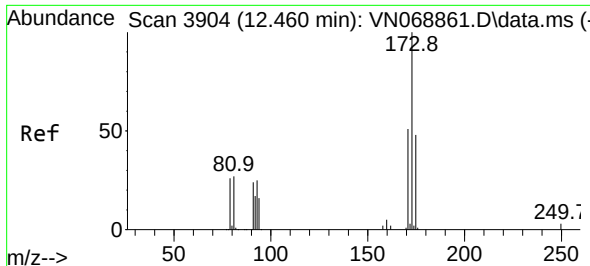
Tgt Ion: 95 Resp: 270016
Ion Ratio Lower Upper
95 100
174 72.3 0.0 144.8
176 69.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Tgt Ion: 117 Resp: 585210
Ion Ratio Lower Upper
117 100
82 56.8 46.4 69.6
119 32.0 26.0 39.0

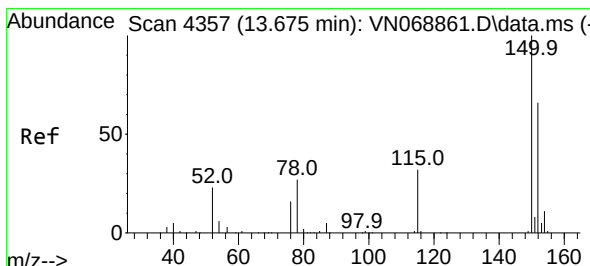
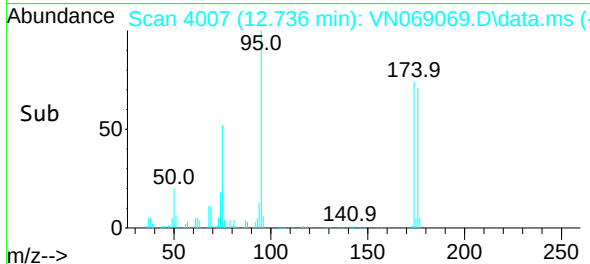
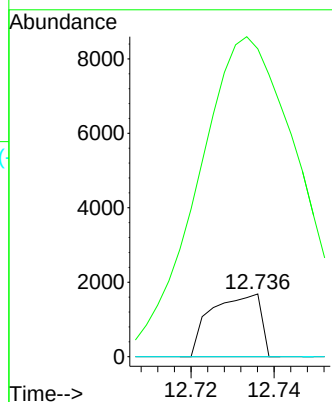
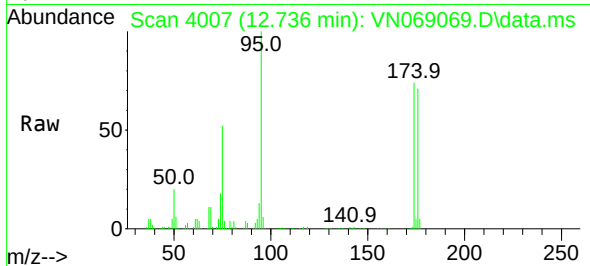




#71
Bromoform
Concen: 0.399 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

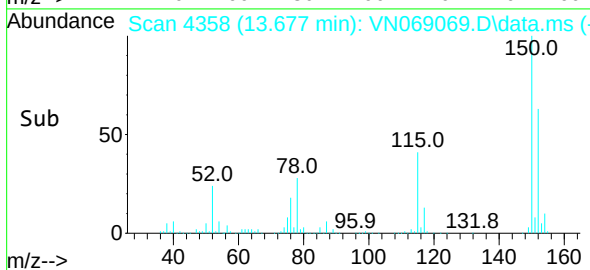
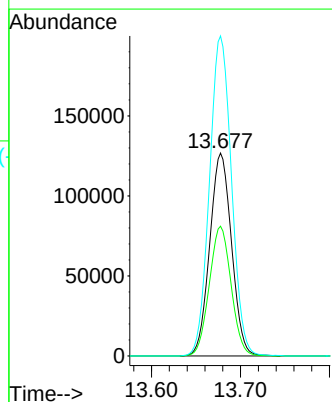
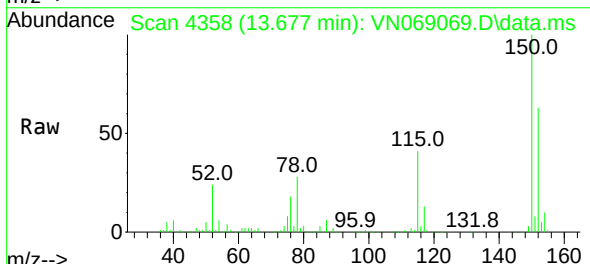
Instrument :
MSVOA_N
ClientSampleId :

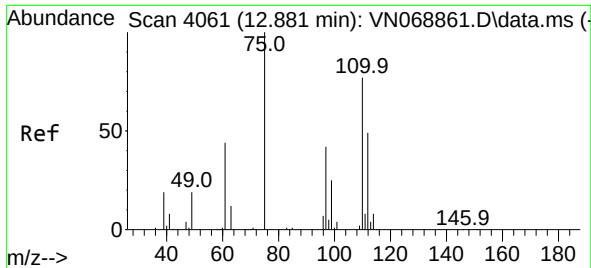
Tgt Ion:173 Resp: 1386
Ion Ratio Lower Upper
173 100
175 992.9 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Tgt Ion:152 Resp: 216051
Ion Ratio Lower Upper
152 100
115 63.8 31.4 94.3
150 159.0 0.0 351.0

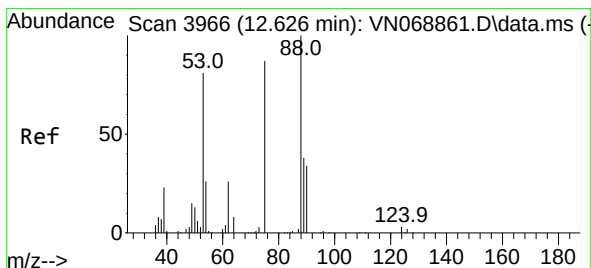
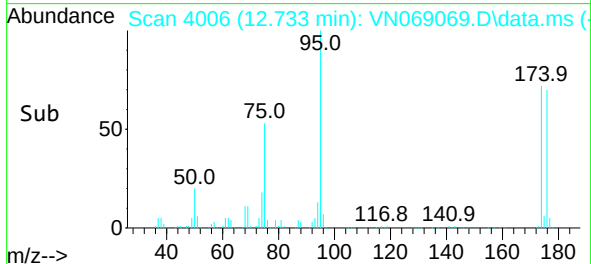
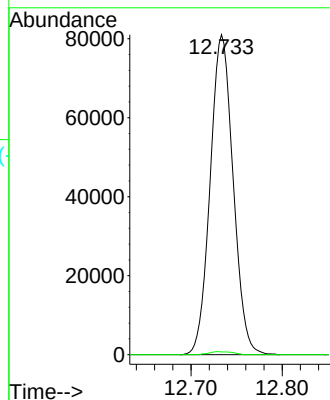
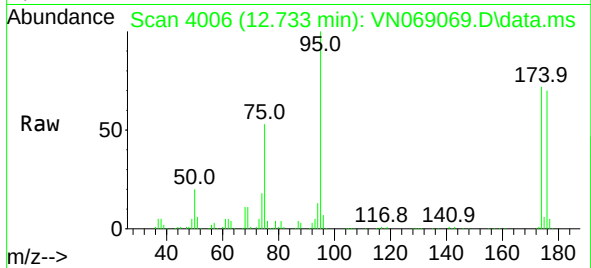




#76
1,2,3-Trichloropropane
Concen: 30.808 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

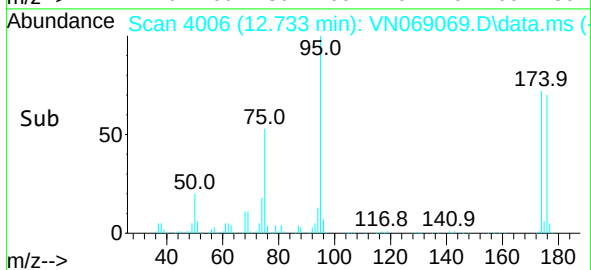
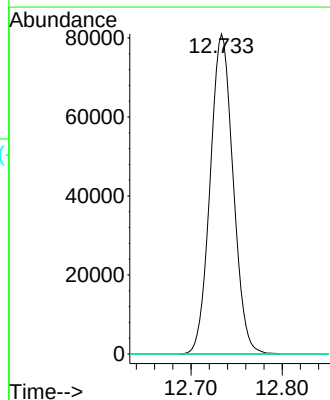
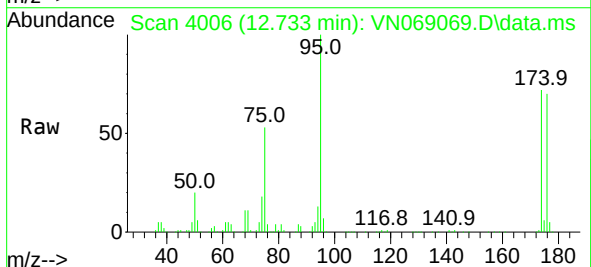
Instrument :
MSVOA_N
ClientSampled :

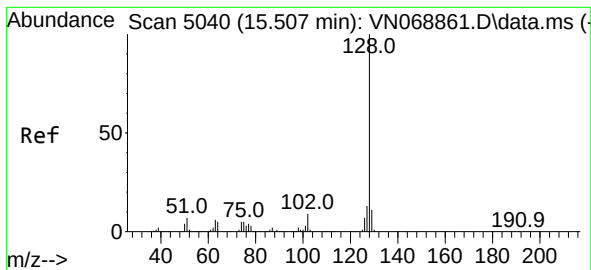
Tgt Ion: 75 Resp: 141622
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.706 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

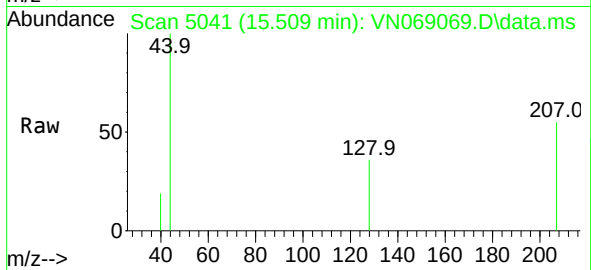
Tgt Ion: 75 Resp: 141622
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.847 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069069.D
Acq: 20 Oct 2021 18:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 386
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

