

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069009.D
 Acq On : 19 Oct 2021 4:35
 Operator : JC/MD
 Sample : M4242-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 10:00:12 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

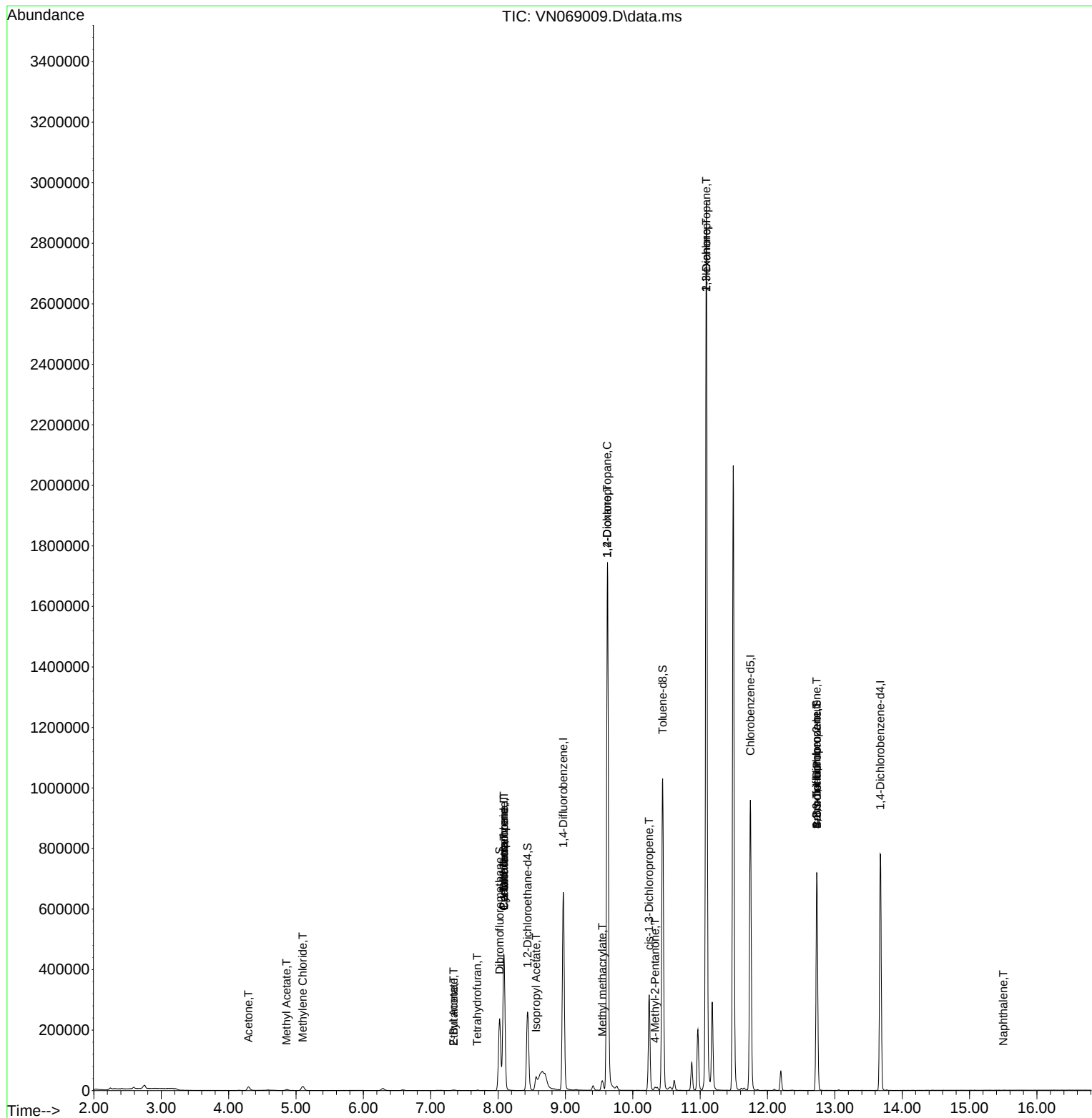
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	341392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	590438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	565437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	210153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	220402	48.966	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.940%
35) Dibromofluoromethane	8.024	113	174248	50.724	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.440%
50) Toluene-d8	10.443	98	740920	53.905	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.820%
62) 4-Bromofluorobenzene	12.731	95	260776	50.287	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.580%
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	23340	13.895	ug/l	99
18) Methyl Acetate	4.859	43	7890	1.238	ug/l #	73
20) Methylene Chloride	5.098	84	11467	2.966	ug/l	97
25) 2-Butanone	7.340	43	4728	1.861	ug/l	90
29) Tetrahydrofuran	7.691	42	565	0.343	ug/l #	39
31) Cyclohexane	8.088	56	7819	1.117	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	28428	5.637	ug/l #	49
37) Ethyl Acetate	7.340	43	4728	0.908	ug/l #	68
38) Carbon Tetrachloride	8.086	117	35567	6.421	ug/l #	16
43) Isopropyl Acetate	8.563	43	49518	5.388	ug/l #	83
45) 1,2-Dichloropropane	9.620	63	2225	0.558	ug/l #	43
48) Methyl methacrylate	9.547	41	8464	1.960	ug/l #	13
49) 1,4-Dioxane	9.620	88	82	36.573	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	4548	0.853	ug/l #	64
54) cis-1,3-Dichloropropene	10.242	75	60650	9.129	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	32430	5.049	ug/l #	42
59) 2-Hexanone	11.092	43	454828	119.019	ug/l #	51
71) Bromoform	12.734	173	2403	0.716	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	137139	30.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	137139	73.376	ug/l #	12
95) Naphthalene	15.501	128	185	3.829	ug/l #	69

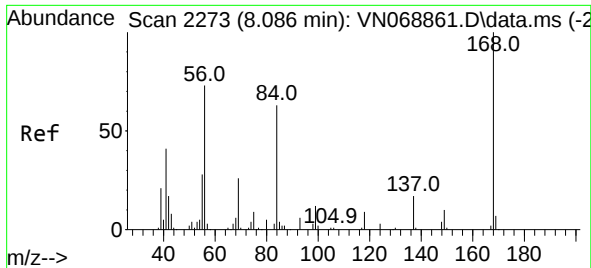
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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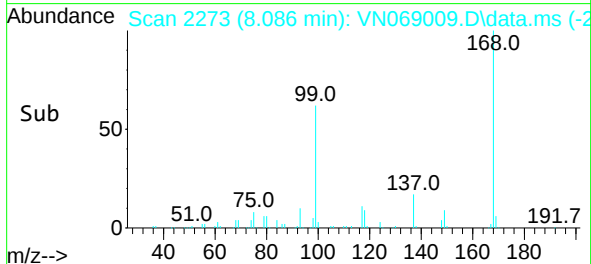
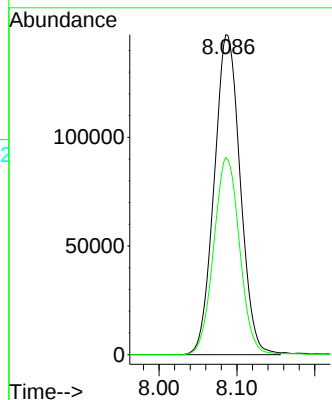
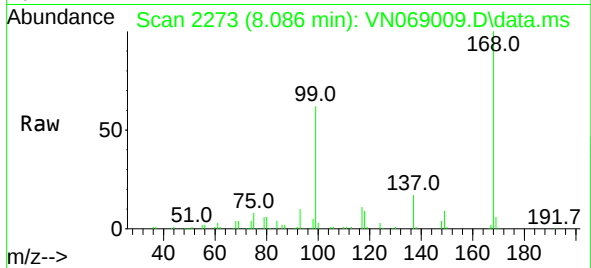




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

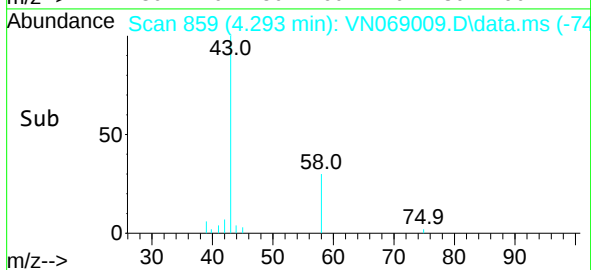
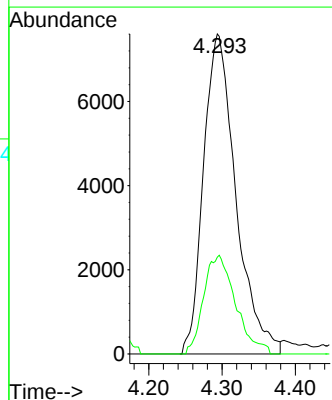
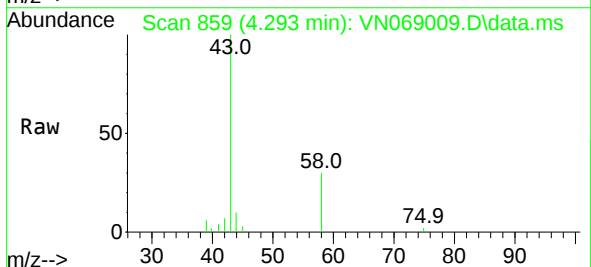
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 341392
Ion Ratio Lower Upper
168 100
99 61.6 48.9 73.3



#16
Acetone
Concen: 13.895 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion: 43 Resp: 23340
Ion Ratio Lower Upper
43 100
58 30.2 24.5 36.7

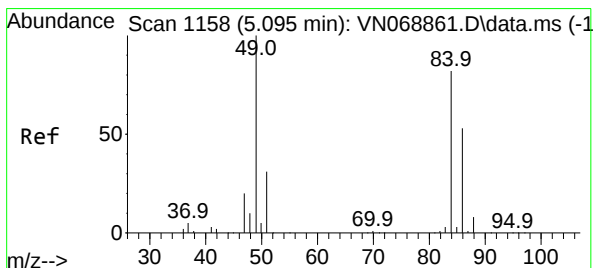
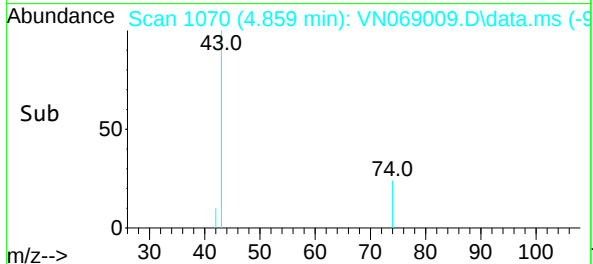
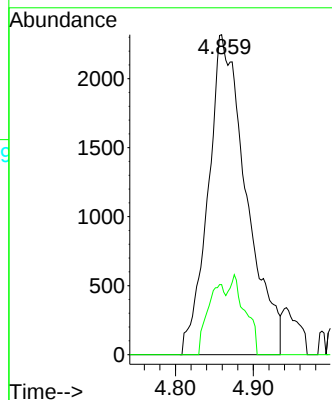
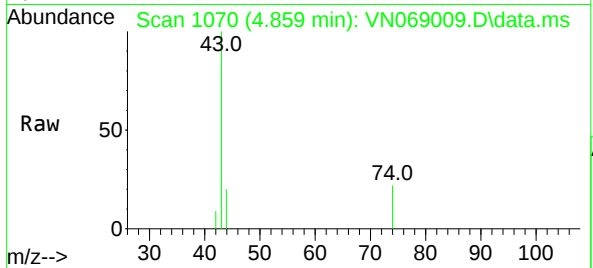




#18
Methyl Acetate
Concen: 1.238 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

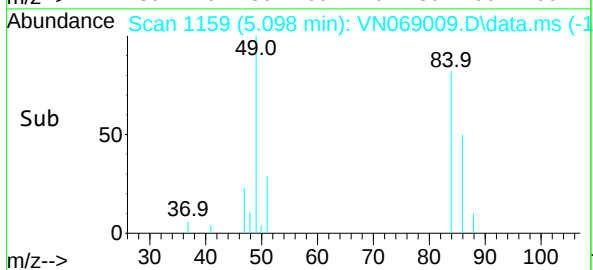
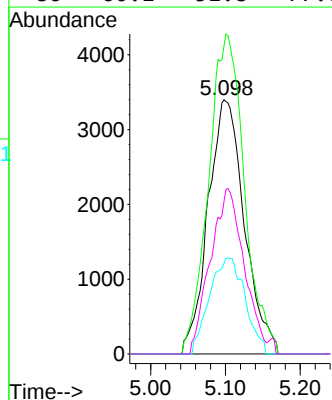
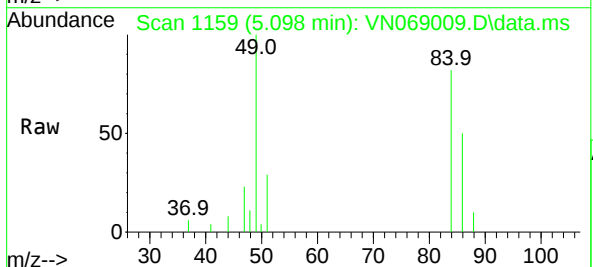
Instrument :
MSVOA_N
ClientSampled :

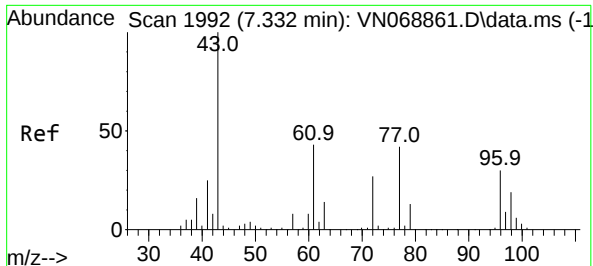
Tgt Ion: 43 Resp: 7890
Ion Ratio Lower Upper
43 100
74 10.3 18.9 28.3#



#20
Methylene Chloride
Concen: 2.966 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion: 84 Resp: 11467
Ion Ratio Lower Upper
84 100
49 121.3 97.6 146.4
51 35.7 30.3 45.5
86 60.1 51.8 77.6

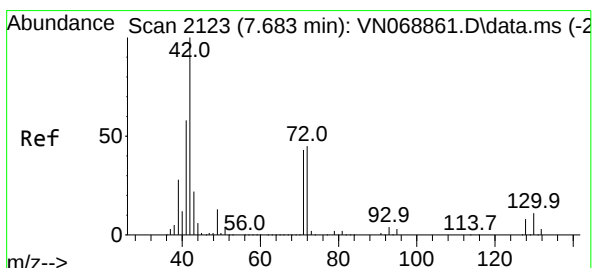
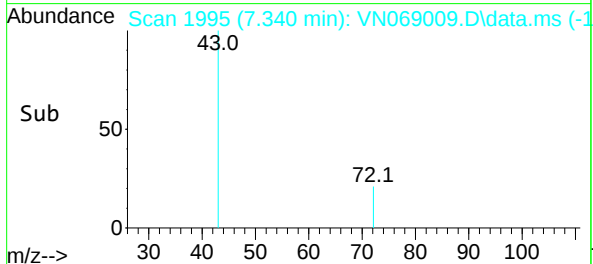
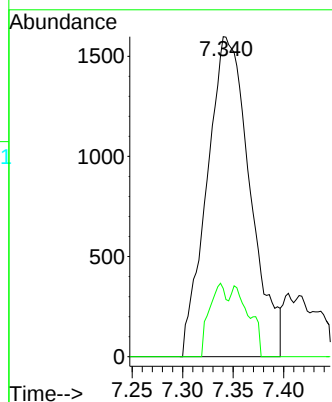
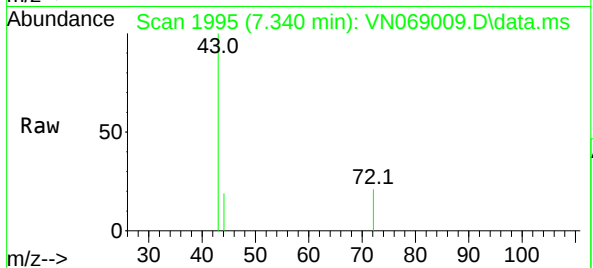




#25
2-Butanone
Concen: 1.861 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.008 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

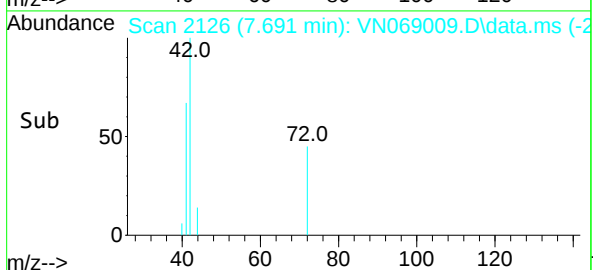
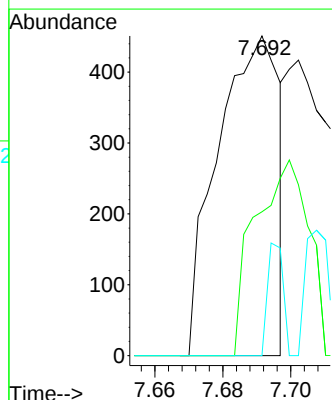
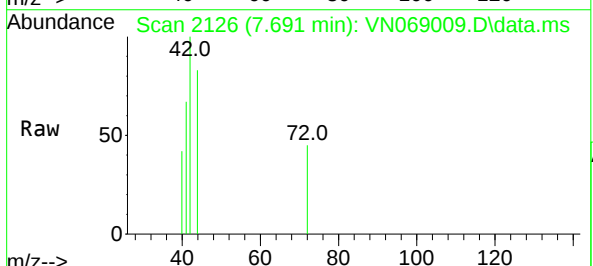
Instrument :
MSVOA_N
ClientSampled :

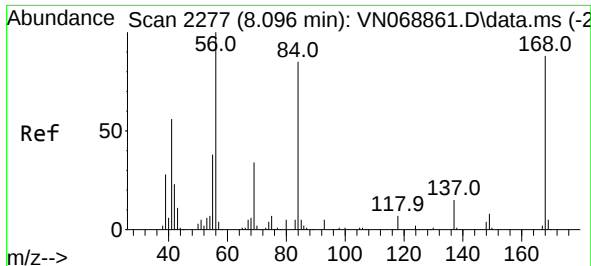
Tgt Ion: 43 Resp: 4728
Ion Ratio Lower Upper
43 100
72 21.3 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.343 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.008 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 8.8 33.8 50.6#

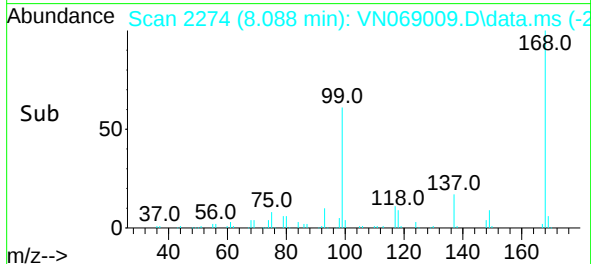
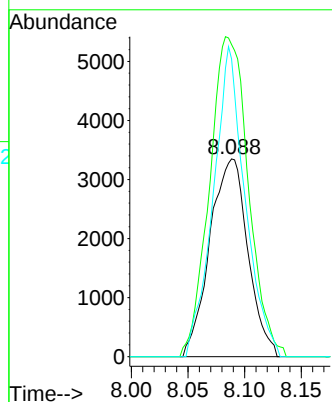
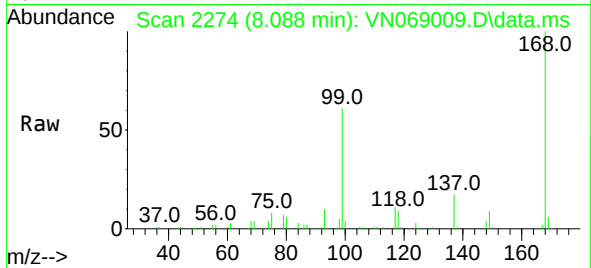




#31
Cyclohexane
Concen: 1.117 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

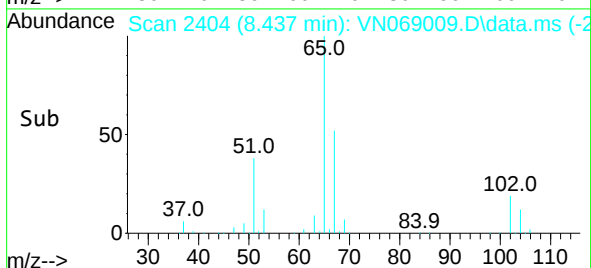
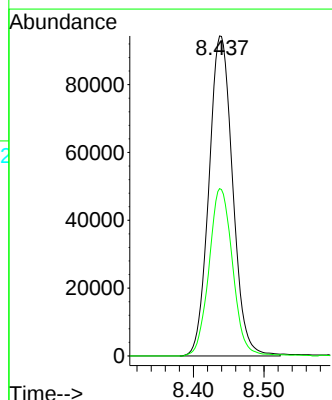
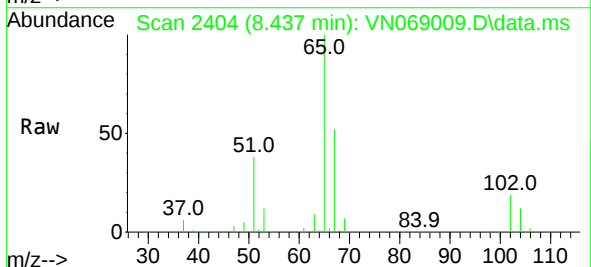
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 7819
Ion Ratio Lower Upper
56 100
69 157.9 26.9 40.3#
84 150.6 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.966 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion: 65 Resp: 220402
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.8

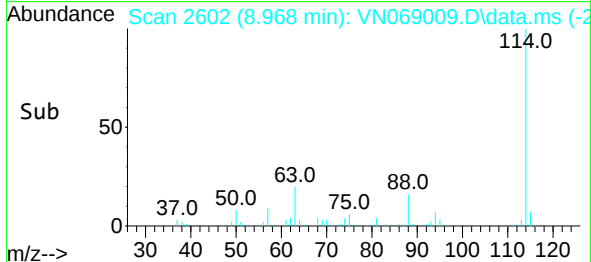
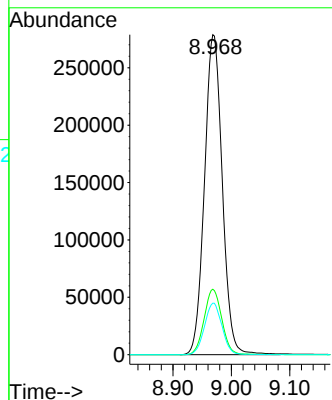
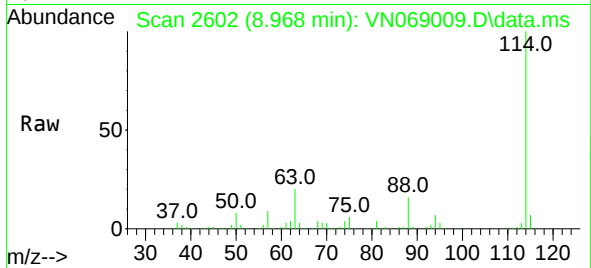




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

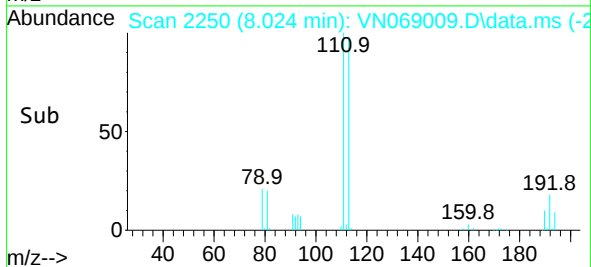
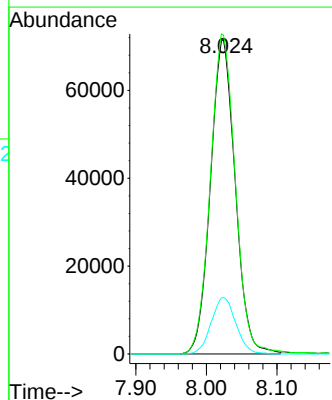
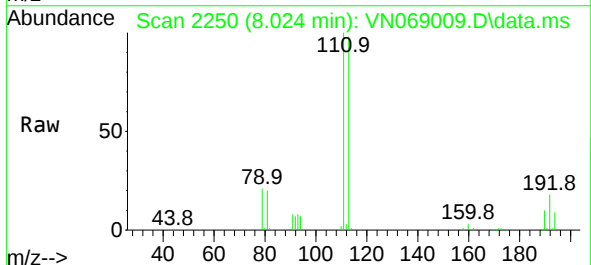
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ClientSampled :

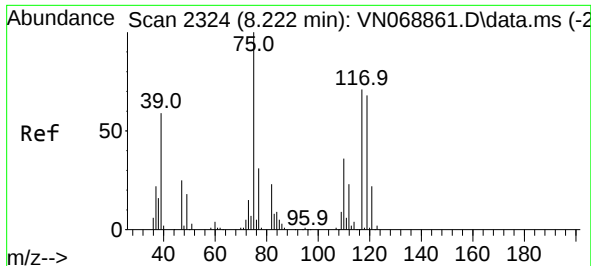
Tgt Ion:114 Resp: 590438
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.724 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion:113 Resp: 174248
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 17.9 15.0 22.4

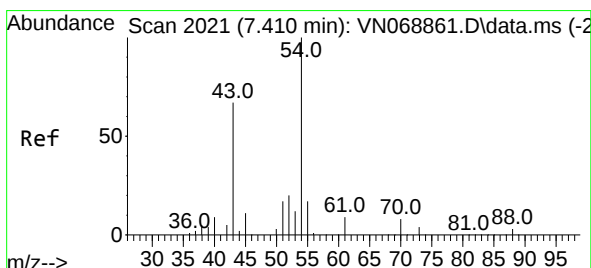
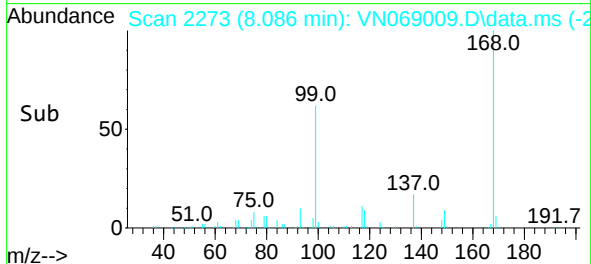
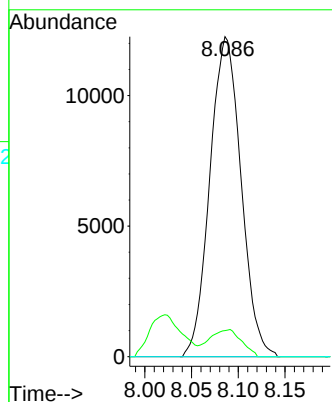
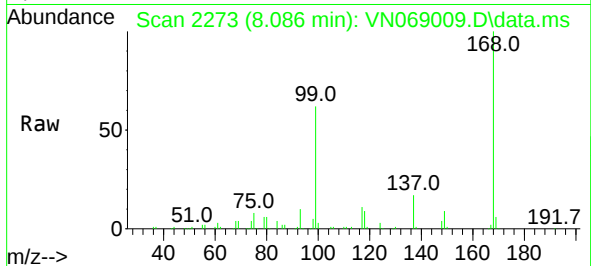




#36
1,1-Dichloropropene
Concen: 5.637 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

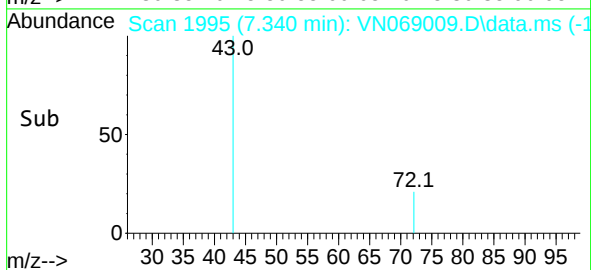
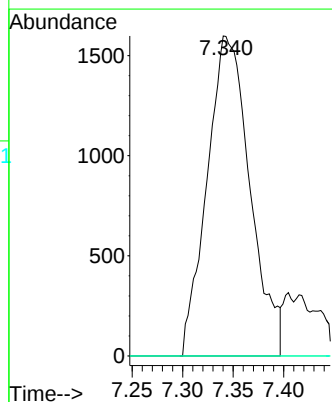
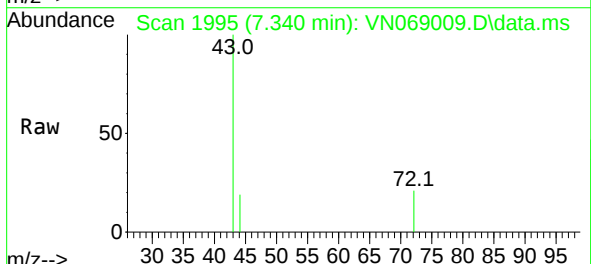
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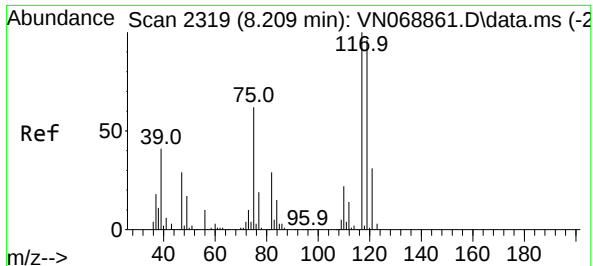
Tgt Ion: 75 Resp: 28428
Ion Ratio Lower Upper
75 100
110 8.6 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.908 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.070 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

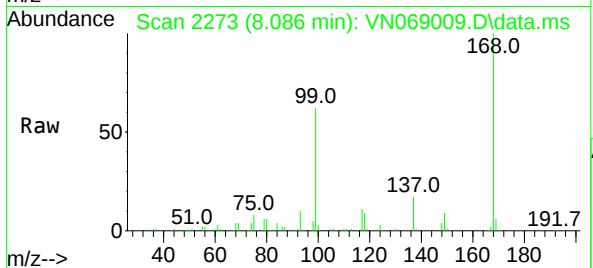
Tgt Ion: 43 Resp: 4728
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



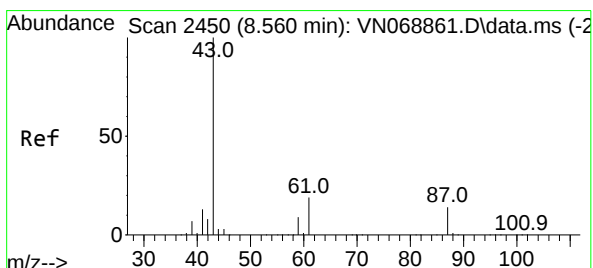
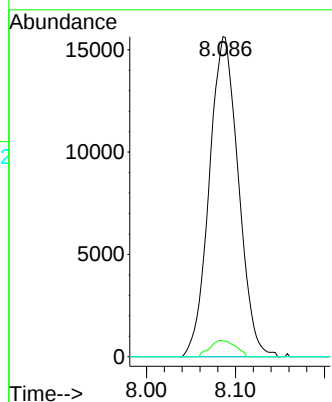
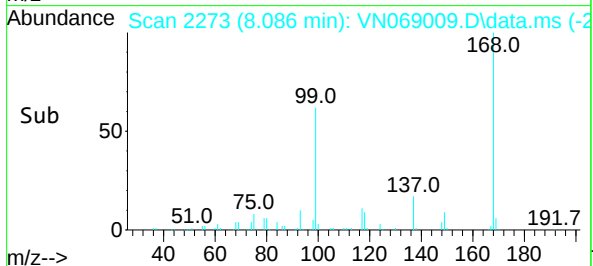


#38
Carbon Tetrachloride
Concen: 6.421 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

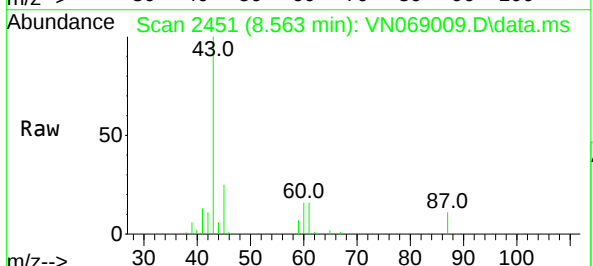
Instrument :
MSVOA_N
ClientSampled :



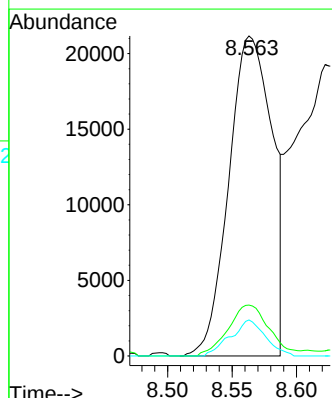
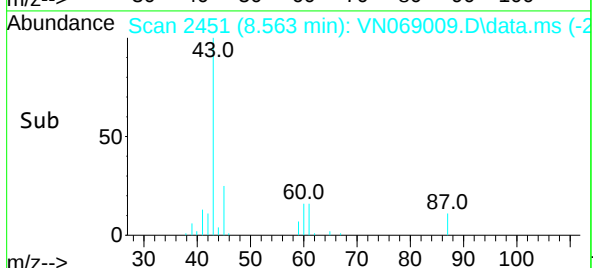
Tgt Ion:117 Resp: 35567
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.6 37.0#

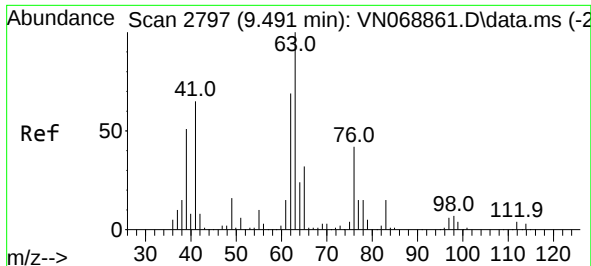


#43
Isopropyl Acetate
Concen: 5.388 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35



Tgt Ion: 43 Resp: 49518
Ion Ratio Lower Upper
43 100
61 15.2 20.4 30.6#
87 9.1 10.7 16.1#

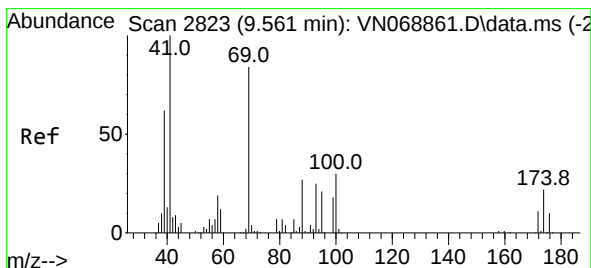
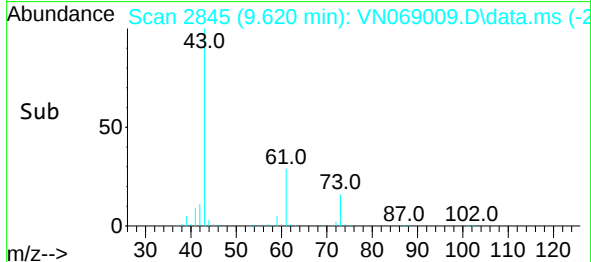
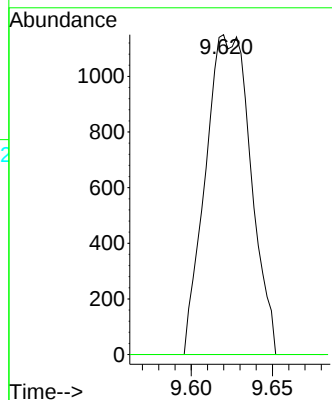
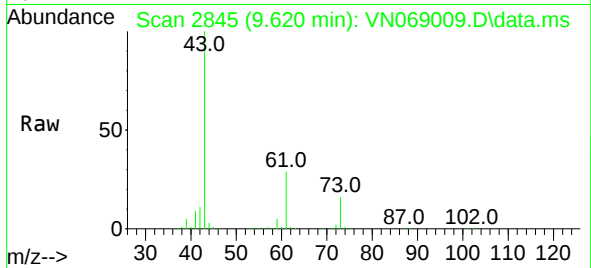




#45
1,2-Dichloropropane
Concen: 0.558 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

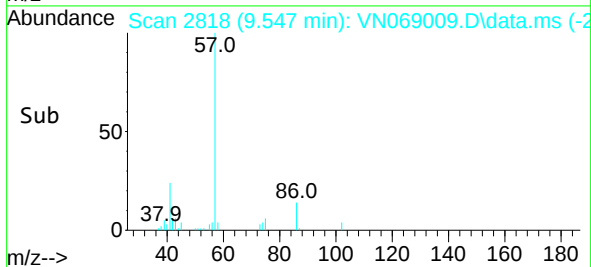
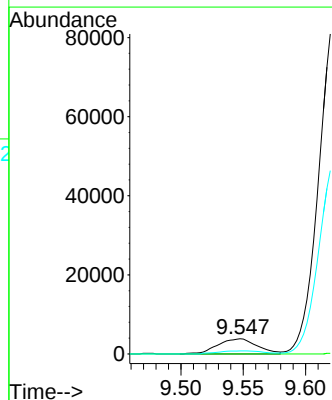
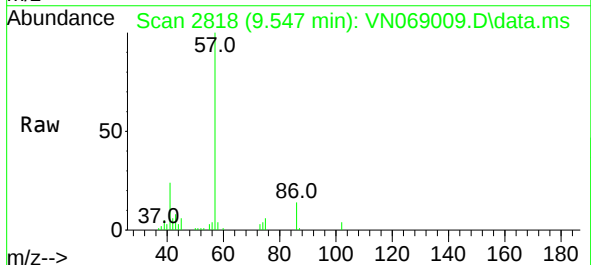
Instrument :
MSVOA_N
ClientSampled :

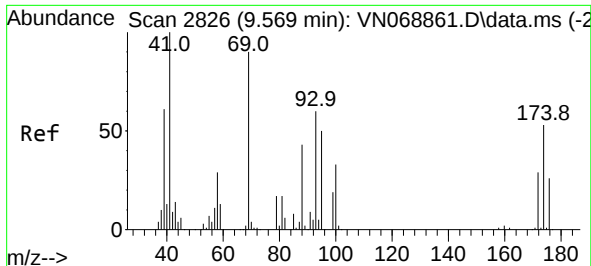
Tgt Ion: 63 Resp: 2225
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.960 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion: 41 Resp: 8464
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

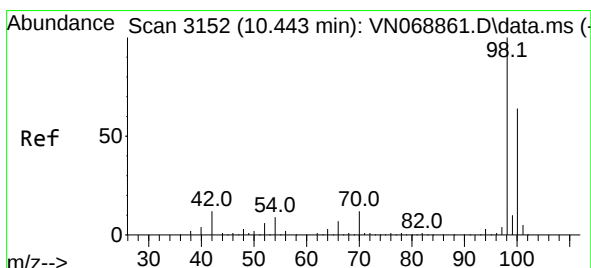
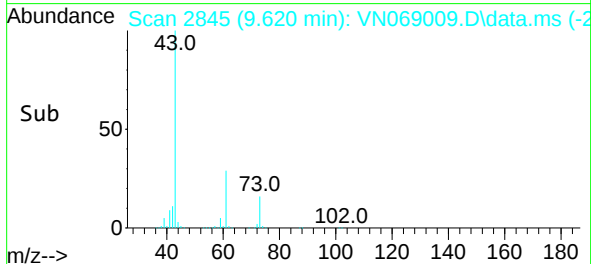
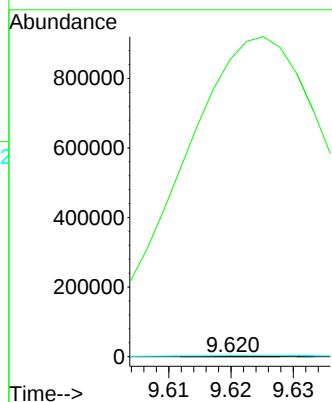
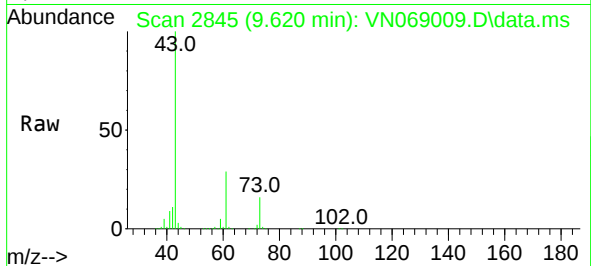




#49
1,4-Dioxane
Concen: 36.573 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

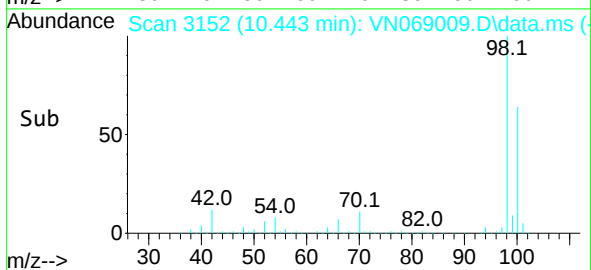
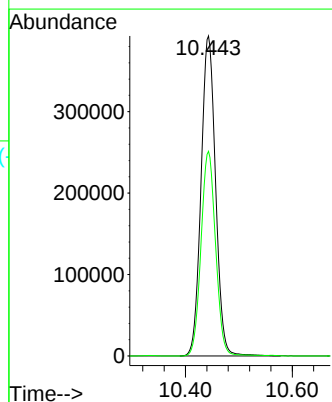
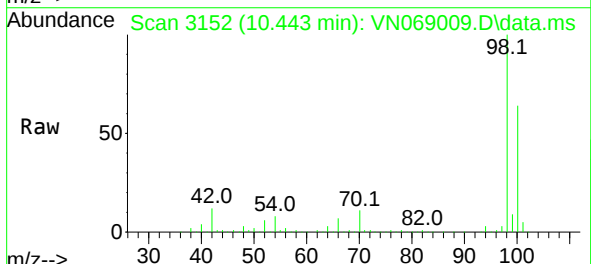
Instrument :
MSVOA_N
ClientSampled :

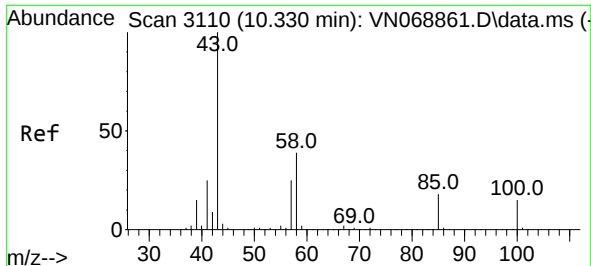
Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 2117591.5 24.9 37.3#
58 8254.9 56.9 85.3#



#50
Toluene-d8
Concen: 53.905 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion: 98 Resp: 740920
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

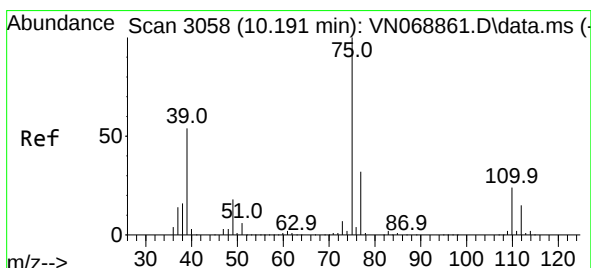
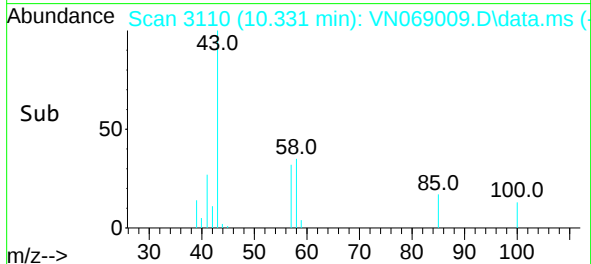
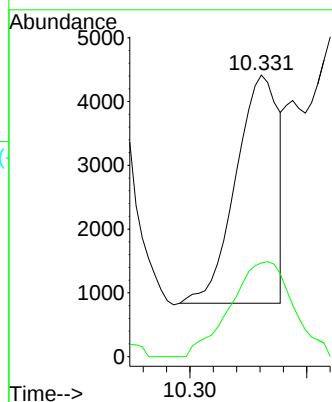
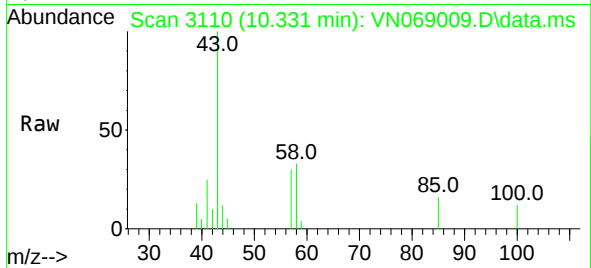




#51
4-Methyl-2-Pentanone
Concen: 0.853 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

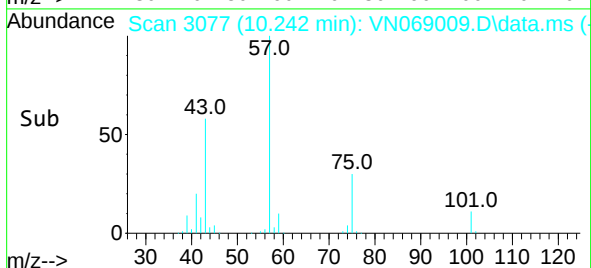
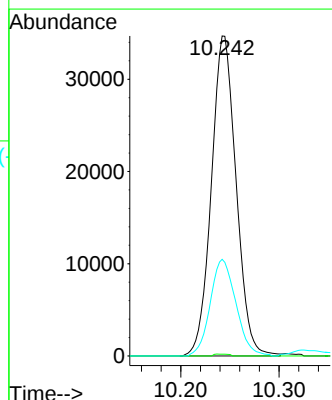
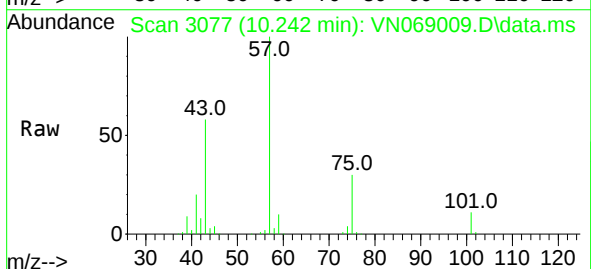
Instrument :
MSVOA_N
ClientSampled :

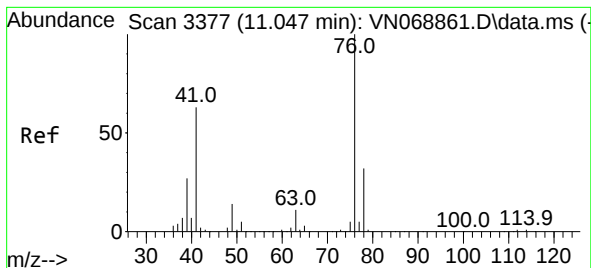
Tgt Ion: 43 Resp: 4548
Ion Ratio Lower Upper
43 100
58 60.6 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 9.129 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion: 75 Resp: 60650
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 30.2 42.9 64.3#

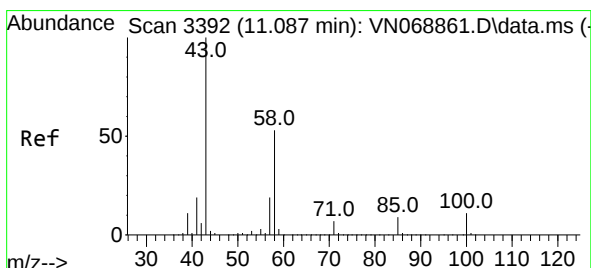
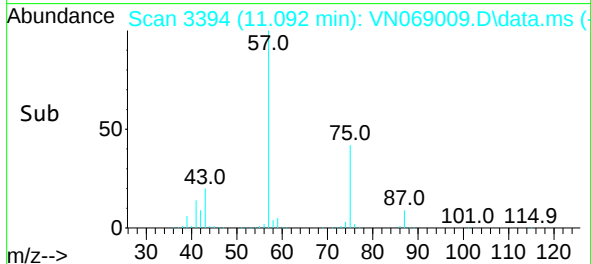
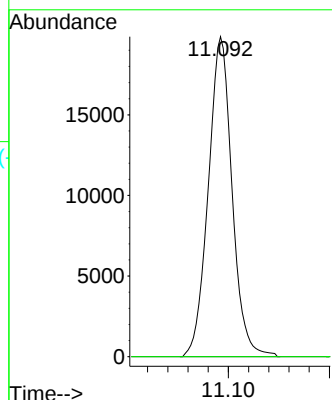
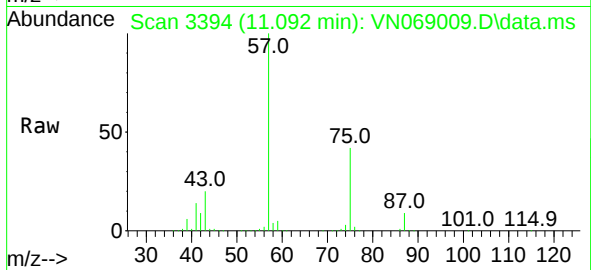




#57
1,3-Dichloropropane
Concen: 5.049 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

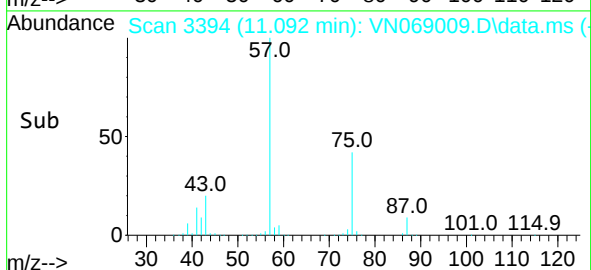
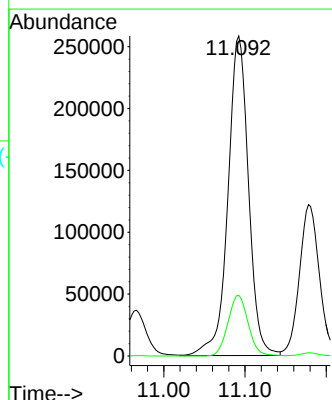
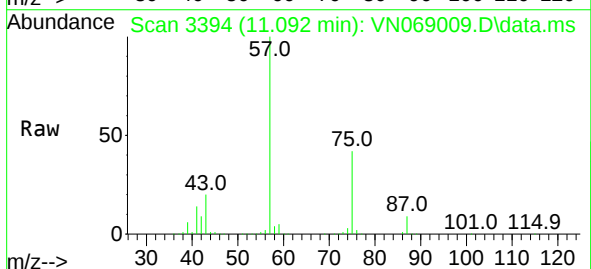
Instrument :
MSVOA_N
ClientSampled :

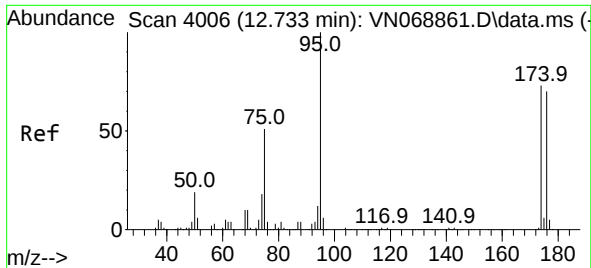
Tgt Ion: 76 Resp: 32430
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 119.019 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion: 43 Resp: 454828
Ion Ratio Lower Upper
43 100
58 18.7 26.9 80.7#

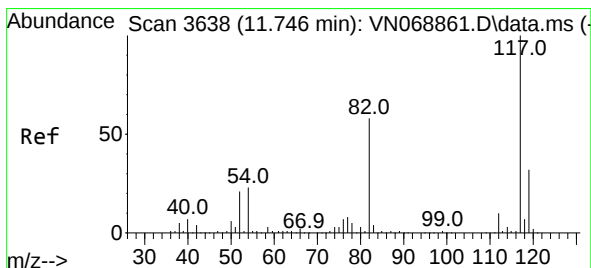
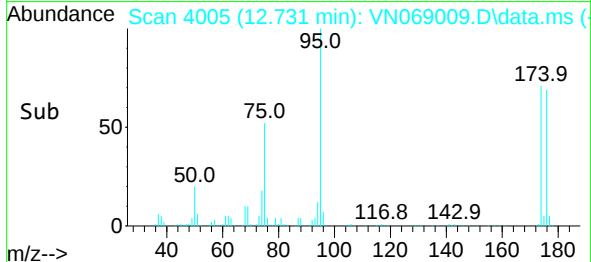
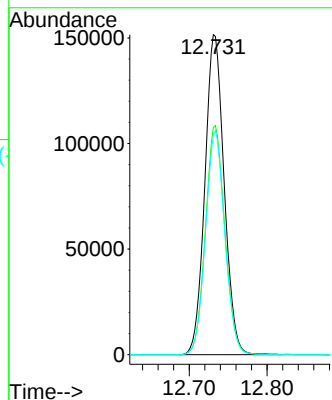
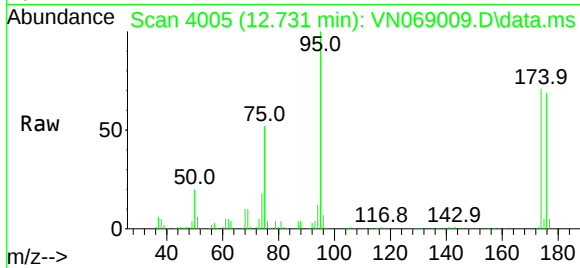




#62
4-Bromofluorobenzene
Concen: 50.287 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

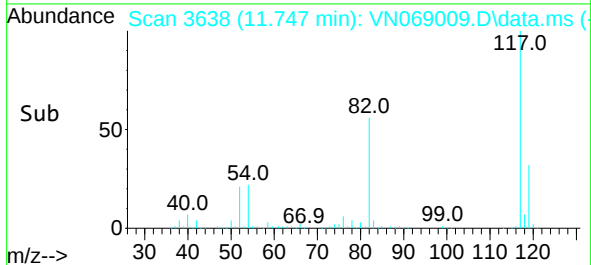
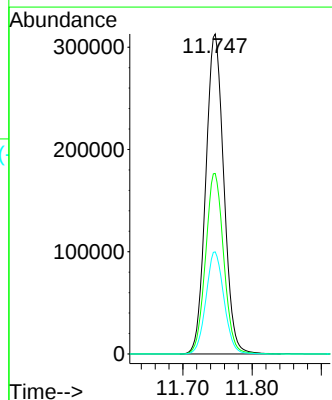
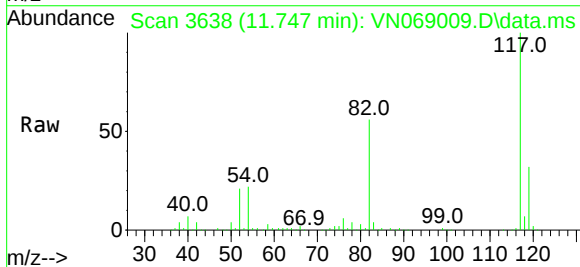
Instrument :
MSVOA_N
ClientSampleId :

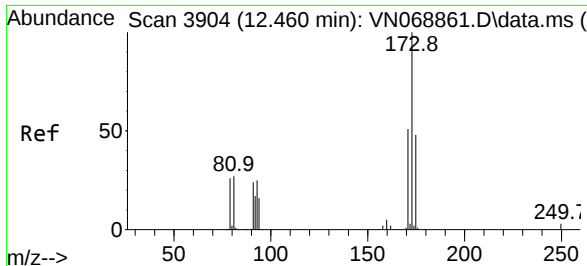
Tgt Ion: 95 Resp: 260776
Ion Ratio Lower Upper
95 100
174 72.6 0.0 144.8
176 70.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion: 117 Resp: 565437
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 31.9 26.0 39.0

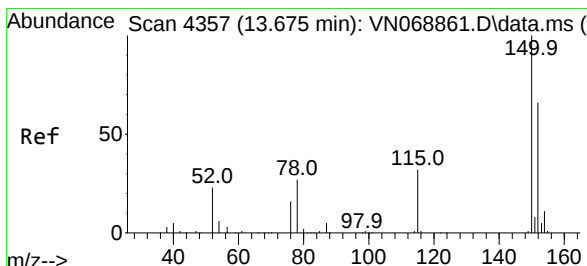
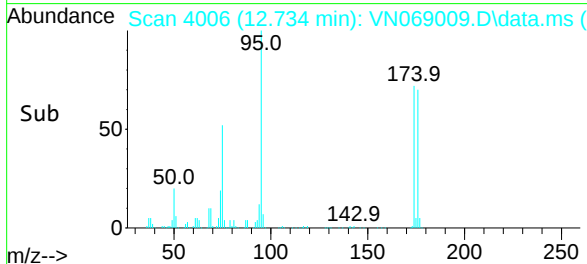
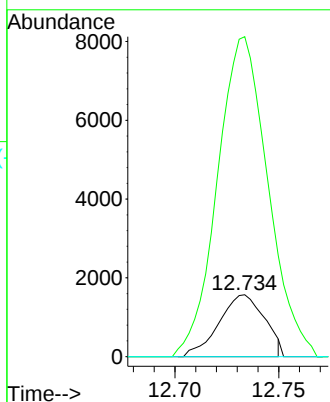
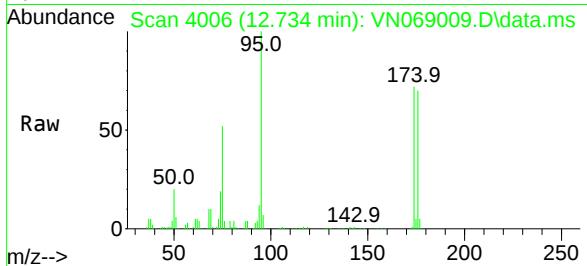




#71
Bromoform
Concen: 0.716 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

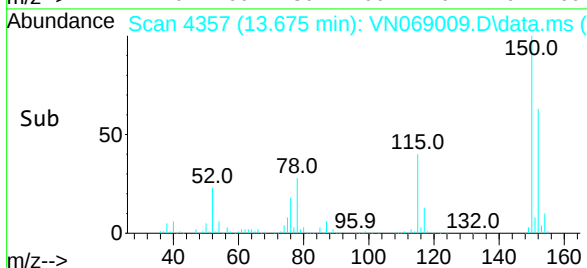
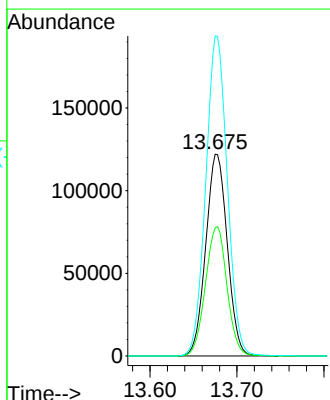
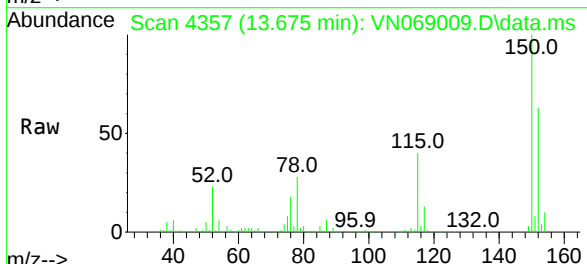
Instrument :
MSVOA_N
ClientSampled :

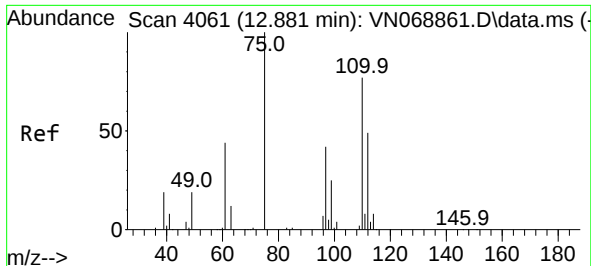
Tgt Ion:173 Resp: 2403
Ion Ratio Lower Upper
173 100
175 535.8 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.000 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Tgt Ion:152 Resp: 210153
Ion Ratio Lower Upper
152 100
115 64.1 31.4 94.3
150 158.8 0.0 351.0

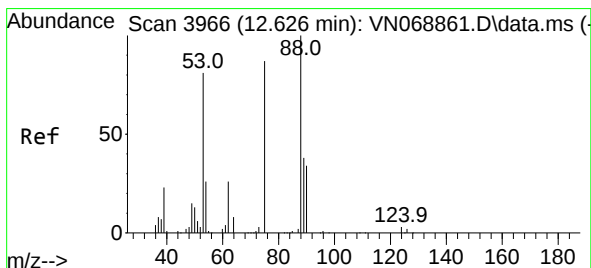
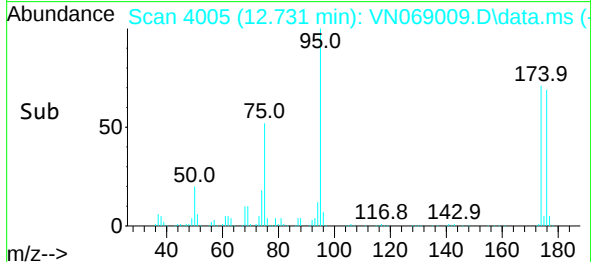
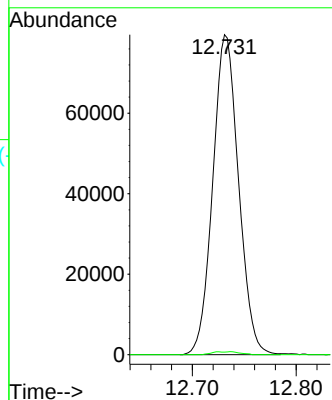
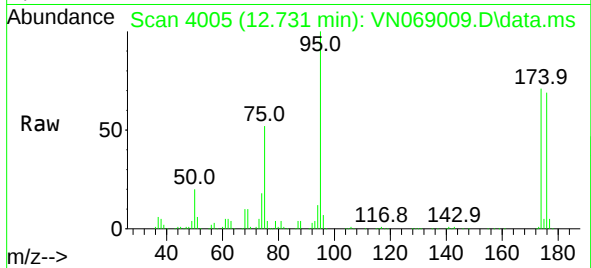




#76
1,2,3-Trichloropropane
Concen: 30.670 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

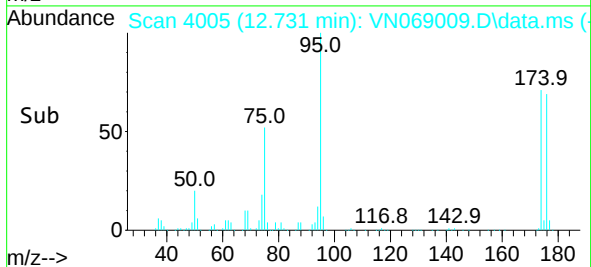
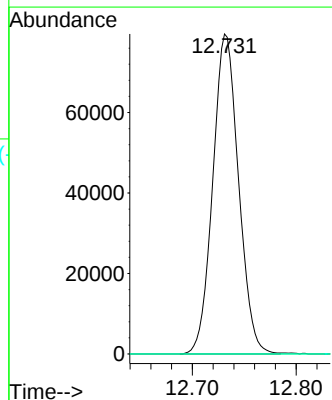
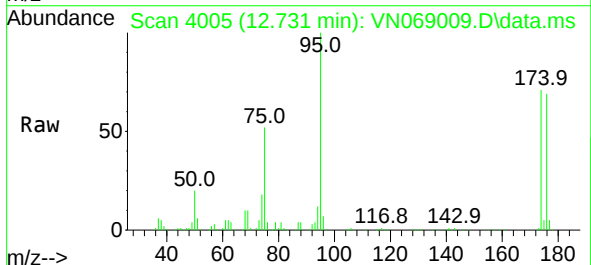
Instrument :
MSVOA_N
ClientSampled :

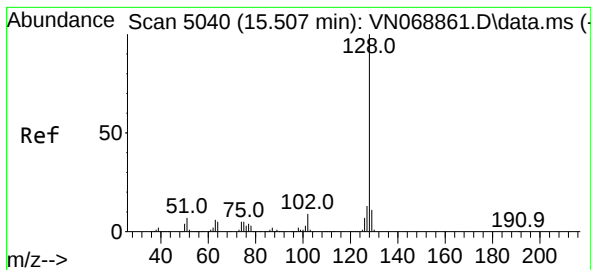
Tgt Ion: 75 Resp: 137139
Ion Ratio Lower Upper
75 100
77 0.5 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.376 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

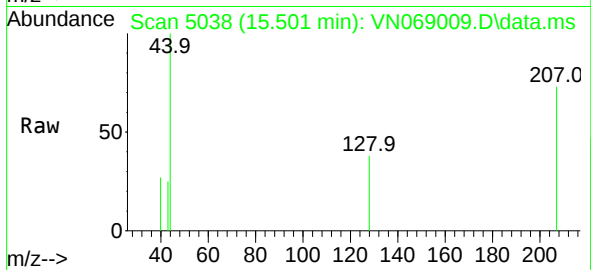
Tgt Ion: 75 Resp: 137139
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.829 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN069009.D
Acq: 19 Oct 2021 4:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 185
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

