

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069010.D
 Acq On : 19 Oct 2021 5:00
 Operator : JC/MD
 Sample : M4242-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

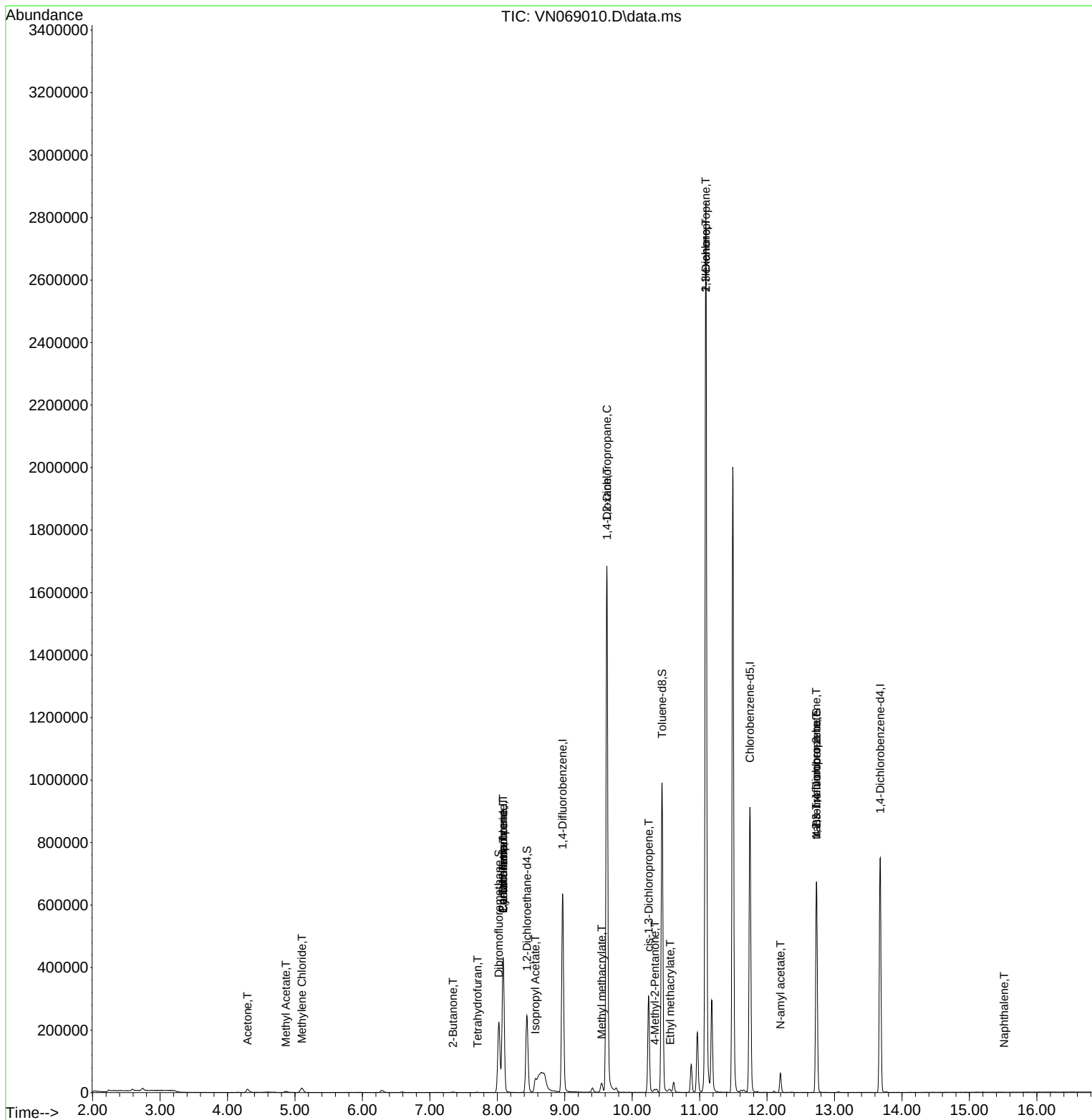
Quant Time: Oct 19 10:00:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

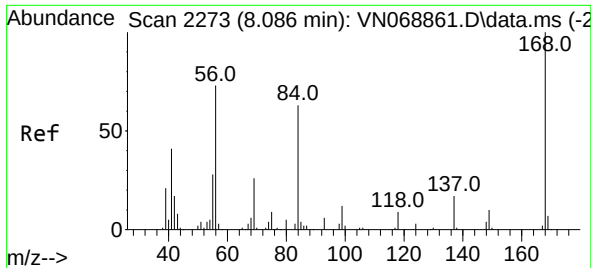
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	327626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	570429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	545085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	202396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	212084	49.098	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.200%		
35) Dibromofluoromethane	8.024	113	167758	50.548	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.100%		
50) Toluene-d8	10.443	98	714983	53.843	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.680%		
62) 4-Bromofluorobenzene	12.733	95	251604	50.220	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.440%		
Target Compounds					Qvalue	
16) Acetone	4.296	43	20003	12.409	ug/l	99
18) Methyl Acetate	4.867	43	7637	1.249	ug/l	93
20) Methylene Chloride	5.103	84	11651	3.140	ug/l	99
25) 2-Butanone	7.343	43	3855	1.581	ug/l	100
29) Tetrahydrofuran	7.707	42	997	0.631	ug/l #	38
31) Cyclohexane	8.086	56	7541	1.123	ug/l #	8
36) 1,1-Dichloropropene	8.088	75	26315	5.401	ug/l #	49
38) Carbon Tetrachloride	8.088	117	33575	6.274	ug/l #	16
43) Isopropyl Acetate	8.566	43	49627	5.589	ug/l #	83
45) 1,2-Dichloropropane	9.625	63	2062	0.536	ug/l #	43
48) Methyl methacrylate	9.547	41	7913	1.897	ug/l #	13
49) 1,4-Dioxane	9.628	88	91	36.713	ug/l #	1
51) 4-Methyl-2-Pentanone	10.338	43	6318	1.227	ug/l	94
54) cis-1,3-Dichloropropene	10.245	75	60181	9.377	ug/l #	58
56) Ethyl methacrylate	10.564	69	4504	0.713	ug/l #	87
57) 1,3-Dichloropropane	11.092	76	30579	4.928	ug/l #	42
59) 2-Hexanone	11.092	43	445135	120.568	ug/l #	50
74) N-amyl acetate	12.197	43	19812	3.104	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	131184	30.462	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	131184	72.880	ug/l #	12
95) Naphthalene	15.515	128	171	3.828	ug/l #	69

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

Quant Time: Oct 19 10:00:22 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

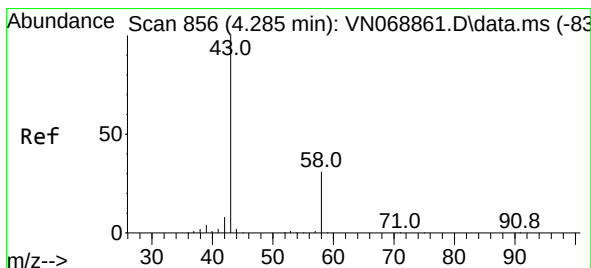
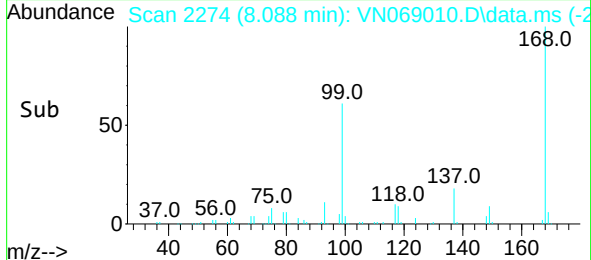
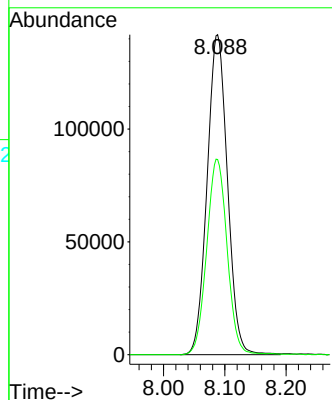
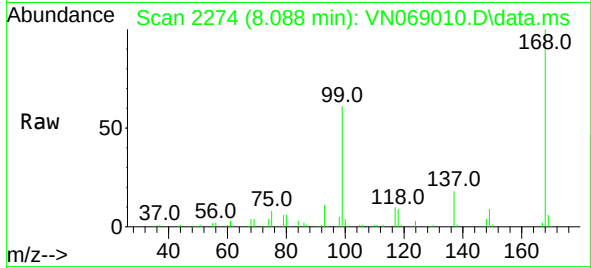




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

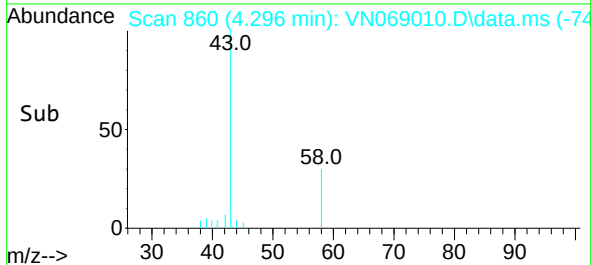
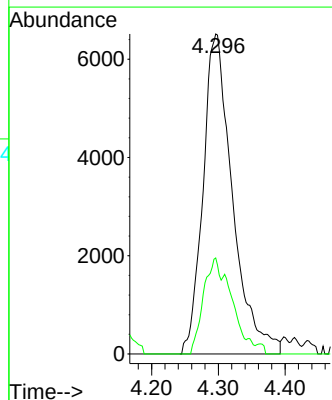
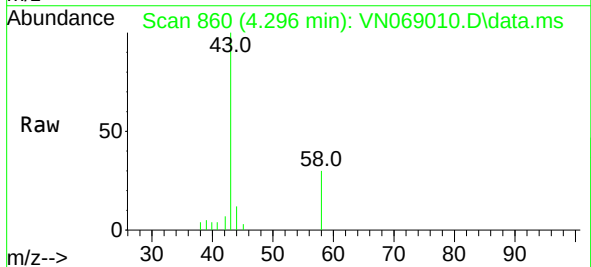
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MSVOA_N
ClientSampled :

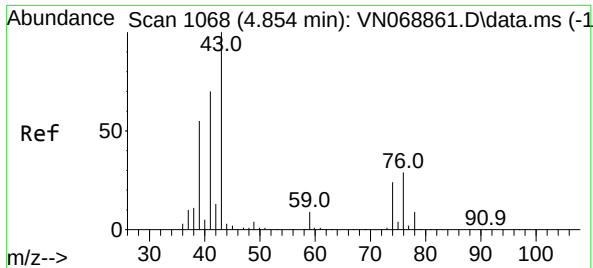
Tgt Ion:168 Resp: 327626
Ion Ratio Lower Upper
168 100
99 61.0 48.9 73.3



#16
Acetone
Concen: 12.409 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion: 43 Resp: 20003
Ion Ratio Lower Upper
43 100
58 30.0 24.5 36.7

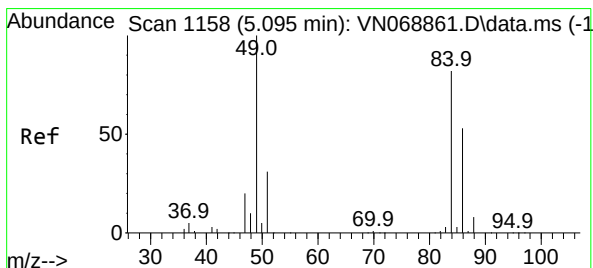
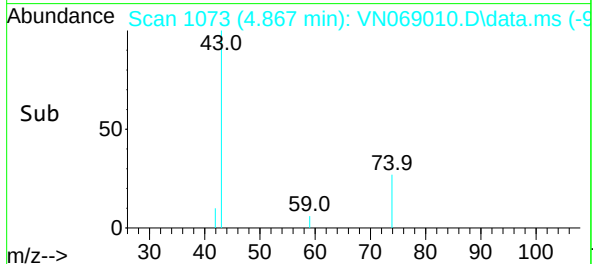
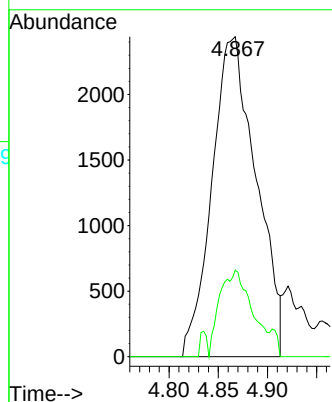
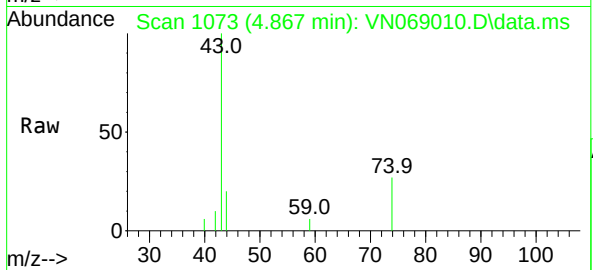




#18
Methyl Acetate
Concen: 1.249 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

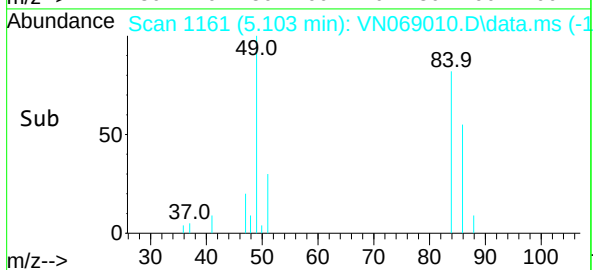
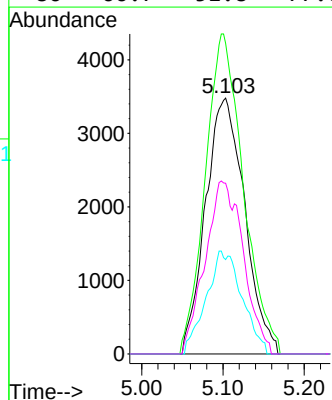
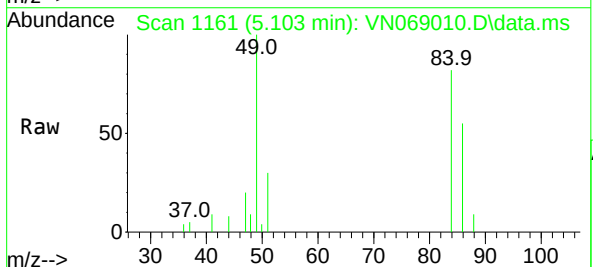
Instrument :
MSVOA_N
ClientSampled :

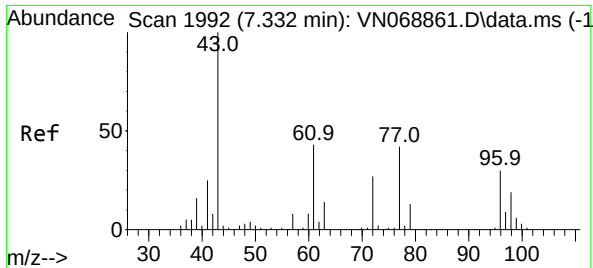
Tgt Ion: 43 Resp: 7637
Ion Ratio Lower Upper
43 100
74 20.0 18.9 28.3



#20
Methylene Chloride
Concen: 3.140 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion: 84 Resp: 11651
Ion Ratio Lower Upper
84 100
49 121.4 97.6 146.4
51 36.9 30.3 45.5
86 66.7 51.8 77.6

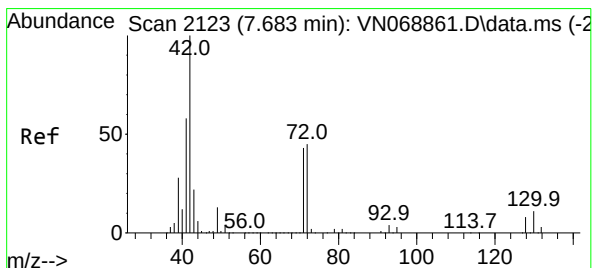
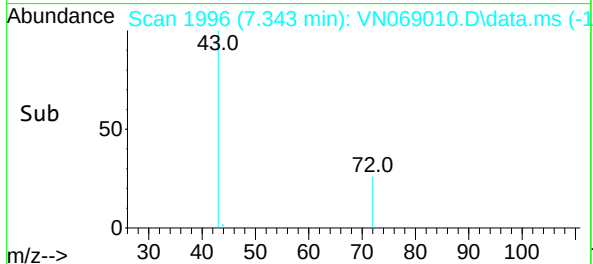
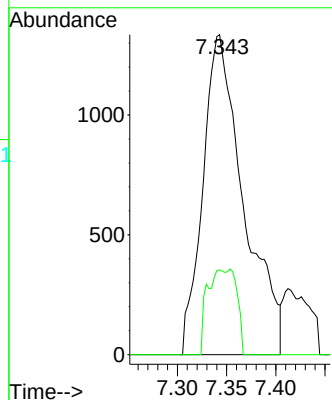
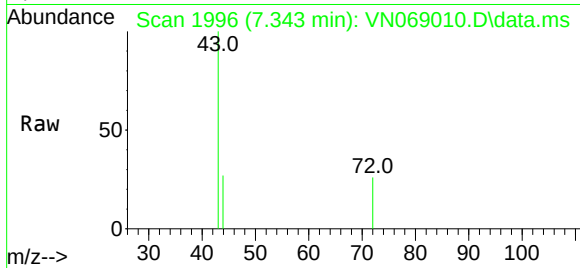




#25
2-Butanone
Concen: 1.581 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

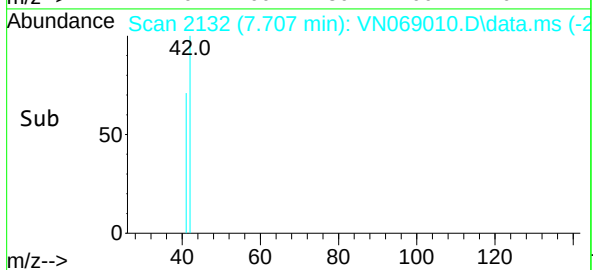
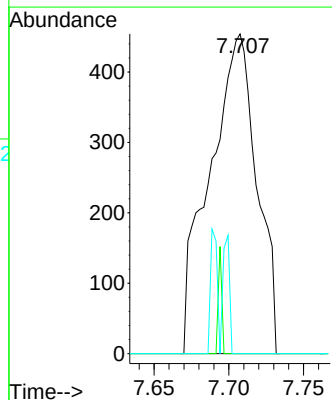
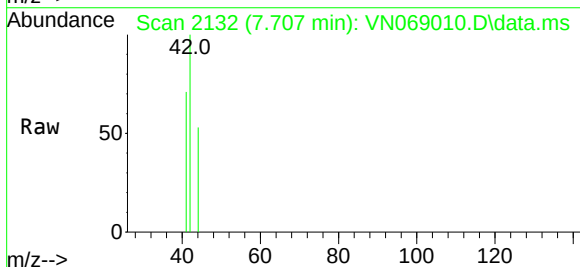
Instrument :
MSVOA_N
ClientSampleId :

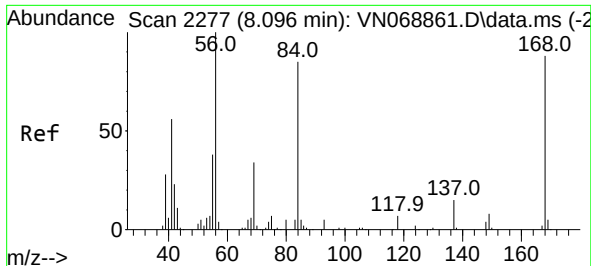
Tgt Ion: 43 Resp: 3855
Ion Ratio Lower Upper
43 100
72 26.4 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.631 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.024 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion: 42 Resp: 997
Ion Ratio Lower Upper
42 100
72 2.4 35.4 53.2#
71 5.1 33.8 50.6#

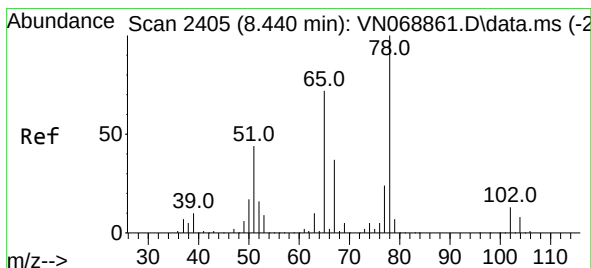
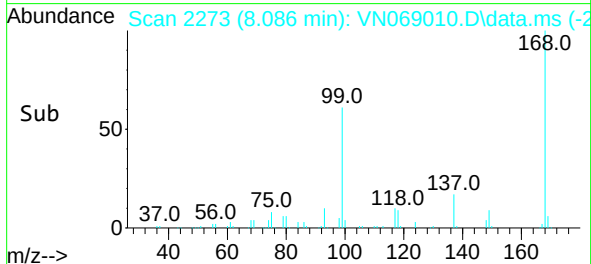
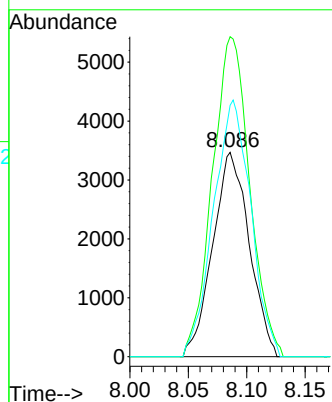
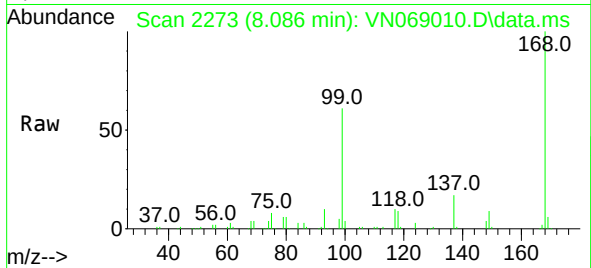




#31
Cyclohexane
Concen: 1.123 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

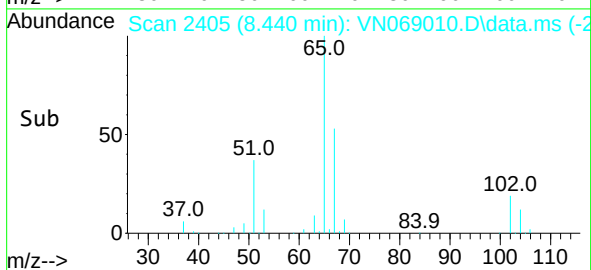
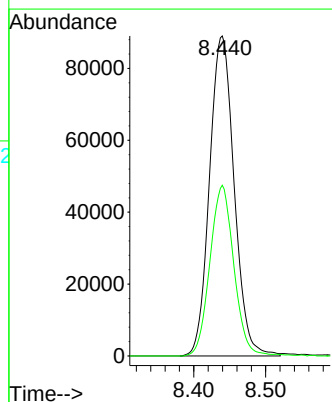
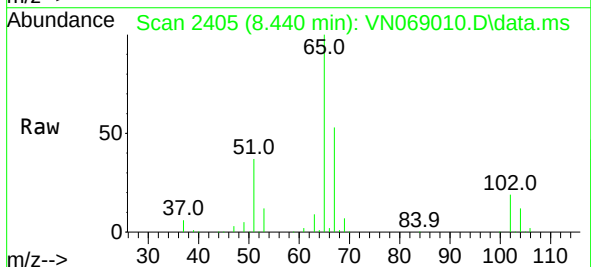
Instrument :
MSVOA_N
ClientSampled :

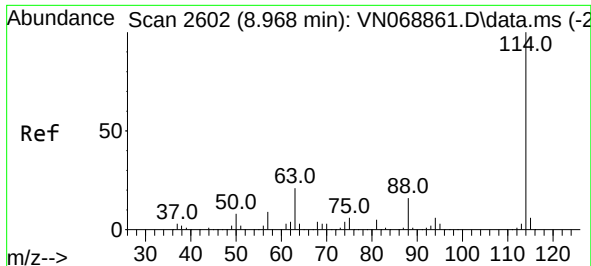
Tgt Ion: 56 Resp: 7541
Ion Ratio Lower Upper
56 100
69 156.6 26.9 40.3#
84 123.1 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.098 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion: 65 Resp: 212084
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8

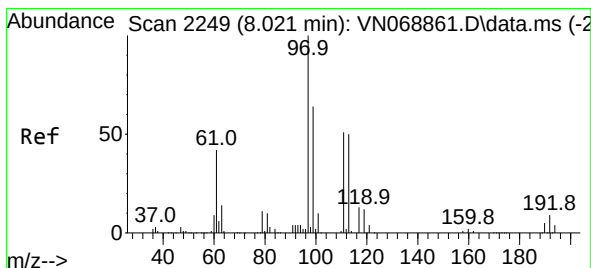
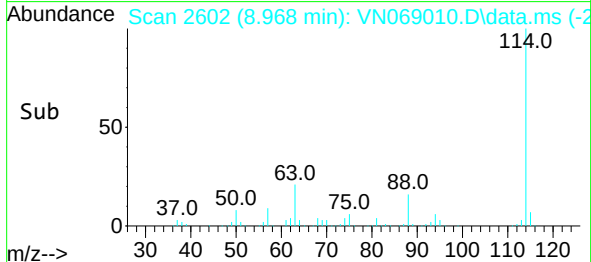
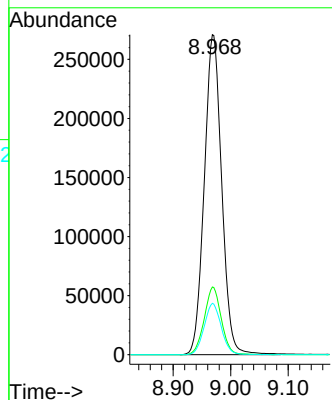
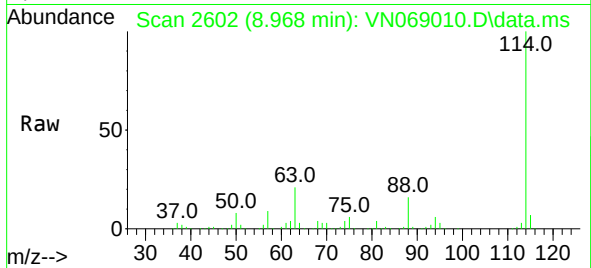




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

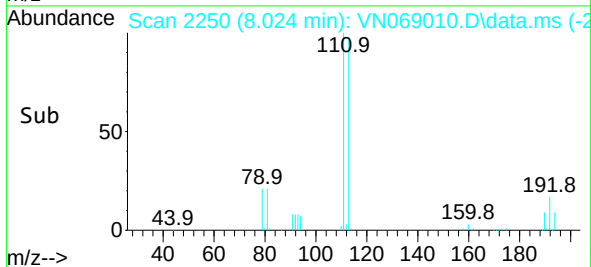
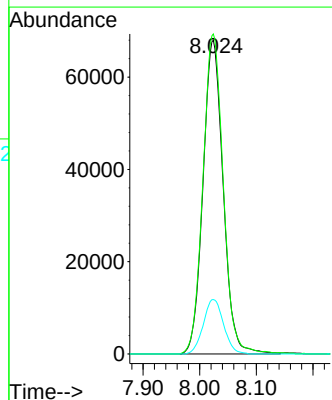
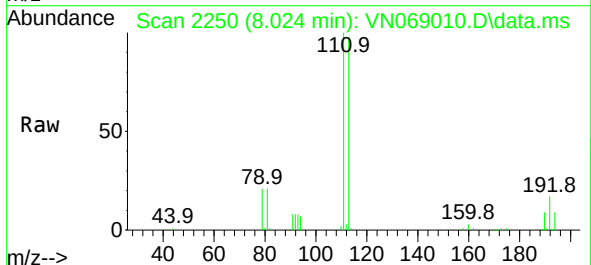
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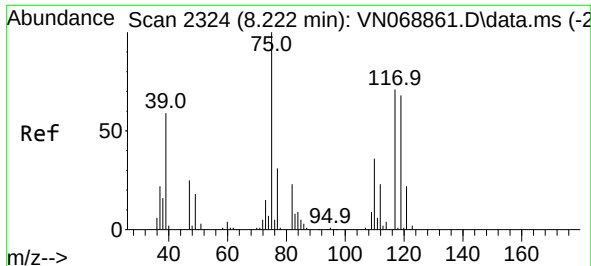
Tgt Ion:114 Resp: 570429
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.548 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion:113 Resp: 167758
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 17.5 15.0 22.4

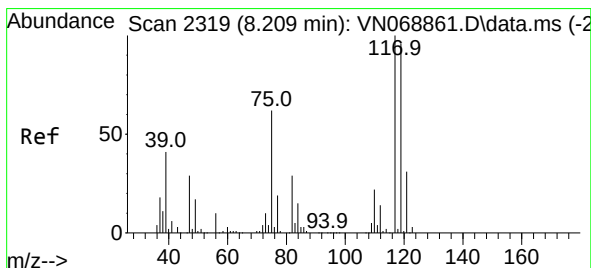
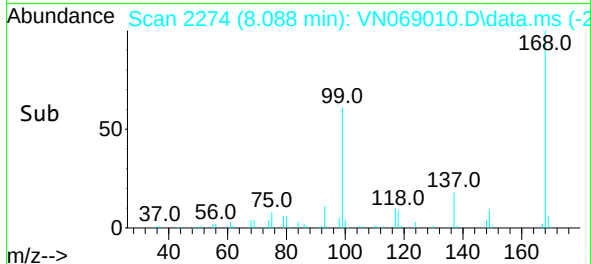
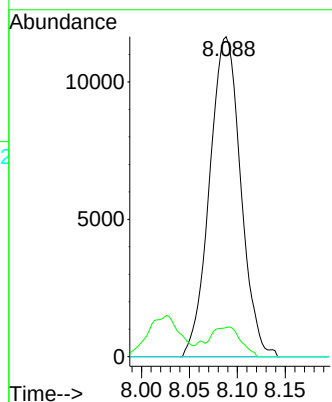
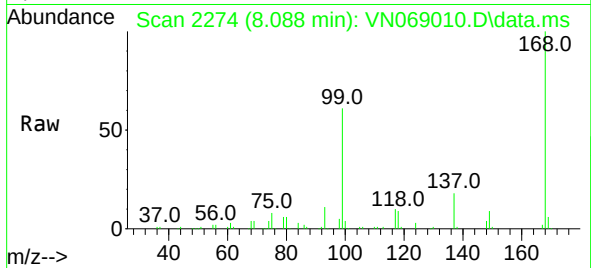




#36
1,1-Dichloropropene
Concen: 5.401 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

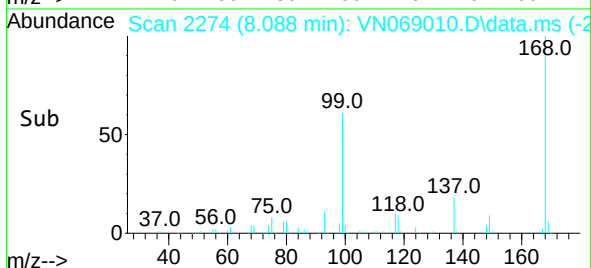
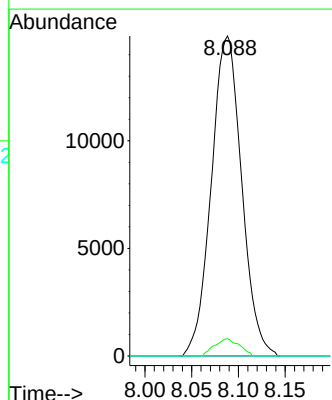
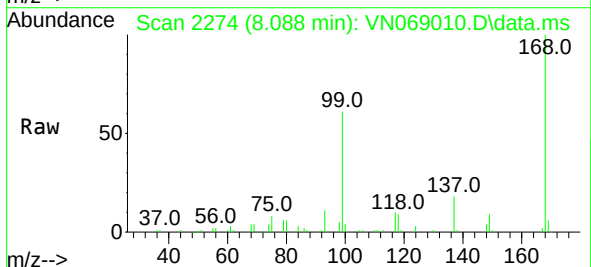
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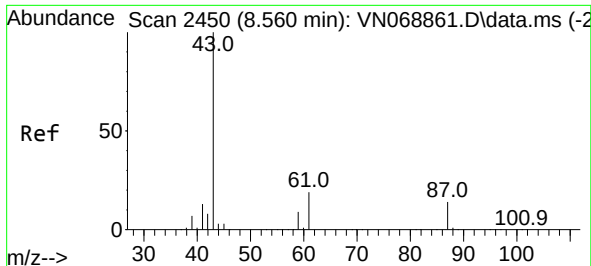
Tgt Ion: 75 Resp: 26315
Ion Ratio Lower Upper
75 100
110 8.5 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.274 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion: 117 Resp: 33575
Ion Ratio Lower Upper
117 100
119 5.4 76.9 115.3#
121 0.0 24.6 37.0#

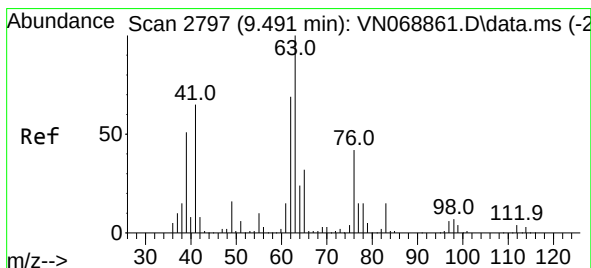
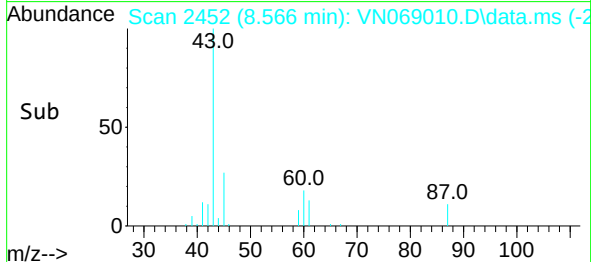
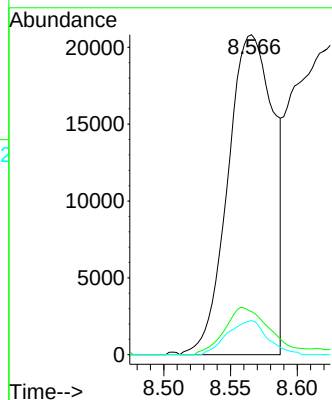
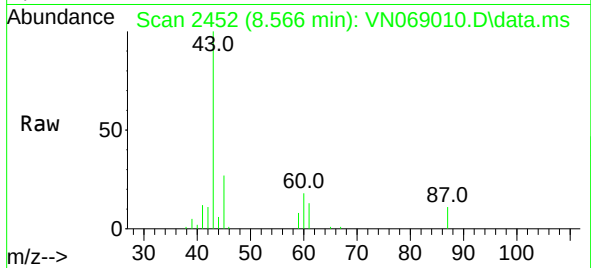




#43
Isopropyl Acetate
Concen: 5.589 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

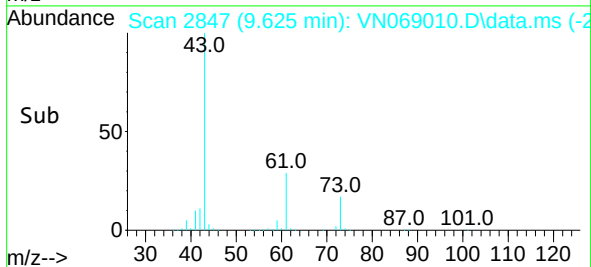
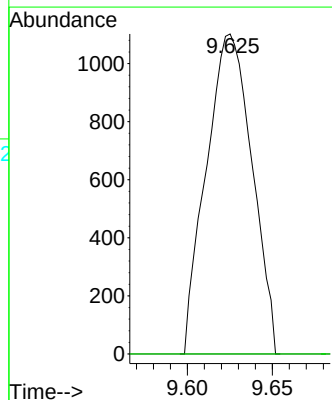
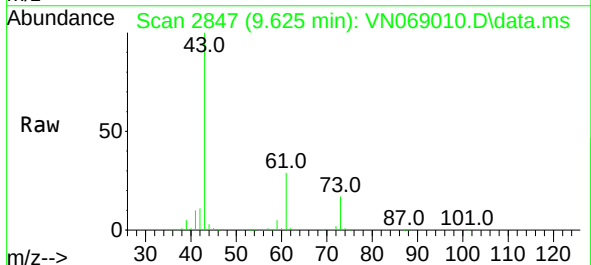
Instrument :
MSVOA_N
ClientSampled :

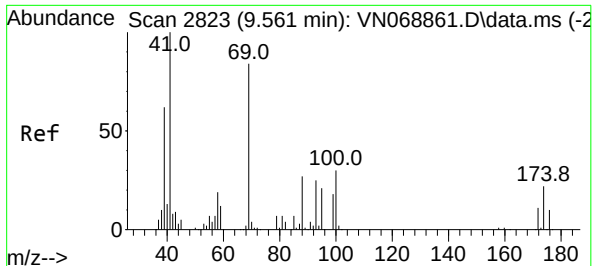
Tgt Ion: 43 Resp: 49627
Ion Ratio Lower Upper
43 100
61 14.8 20.4 30.6#
87 9.3 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.536 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion: 63 Resp: 2062
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

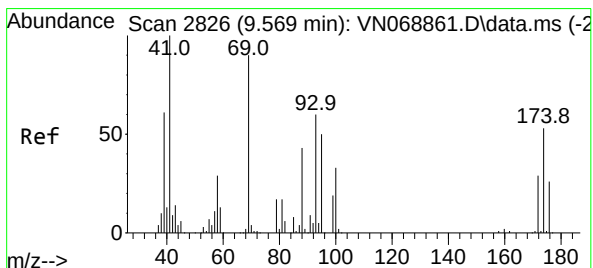
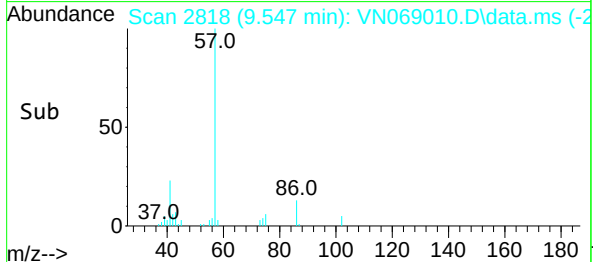
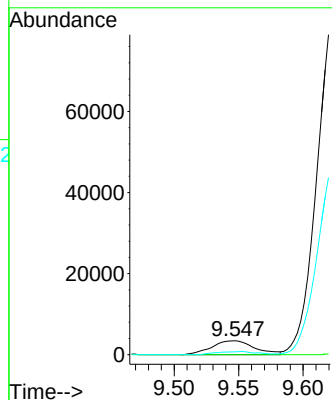
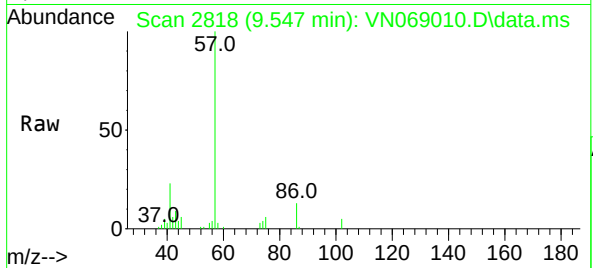




#48
Methyl methacrylate
Concen: 1.897 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

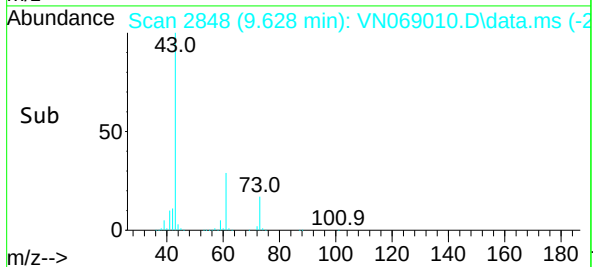
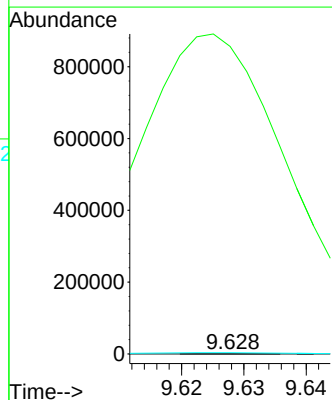
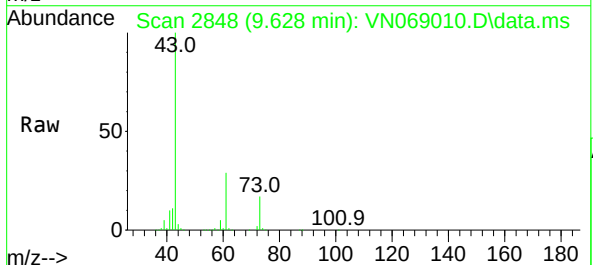
Instrument :
MSVOA_N
ClientSampled :

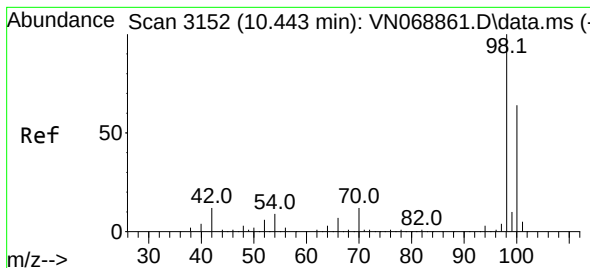
Tgt Ion: 41 Resp: 7913
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.713 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 1869613.2 24.9 37.3#
58 7376.9 56.9 85.3#

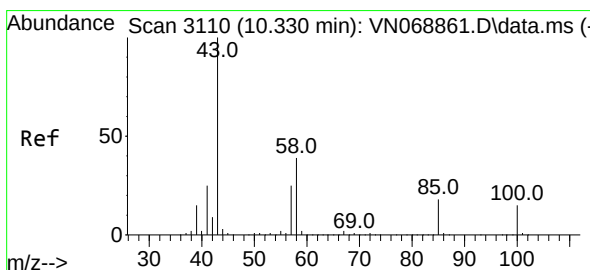
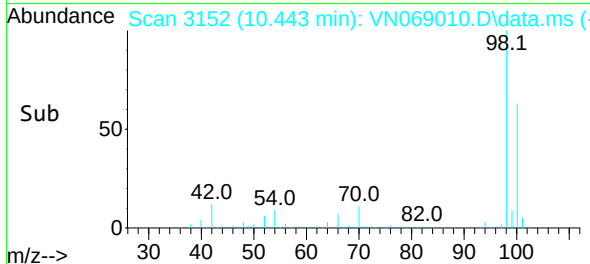
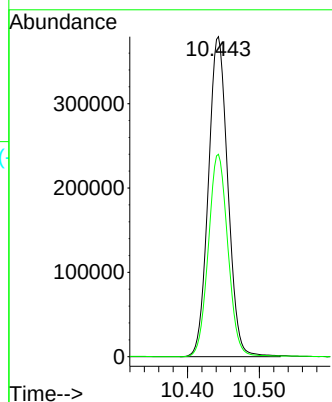
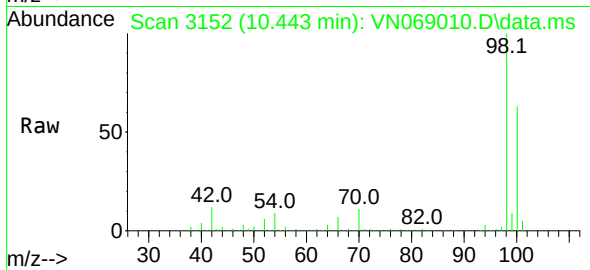




#50
Toluene-d8
Concen: 53.843 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

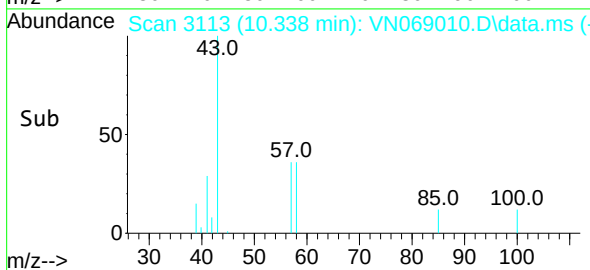
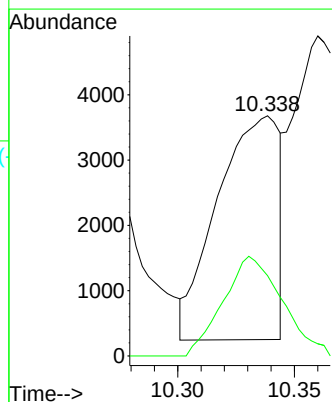
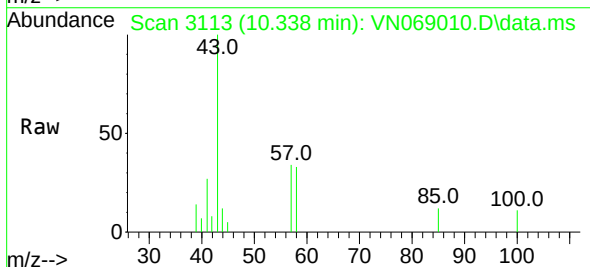
Instrument :
MSVOA_N
ClientSampled :

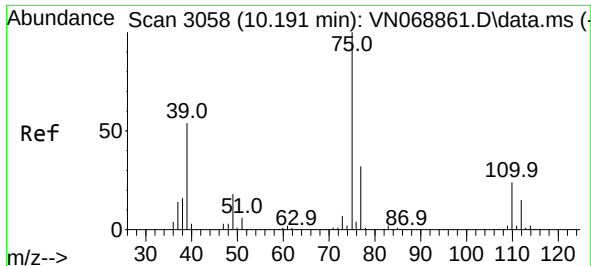
Tgt Ion: 98 Resp: 714983
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.227 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.008 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion: 43 Resp: 6318
Ion Ratio Lower Upper
43 100
58 42.4 31.0 46.4

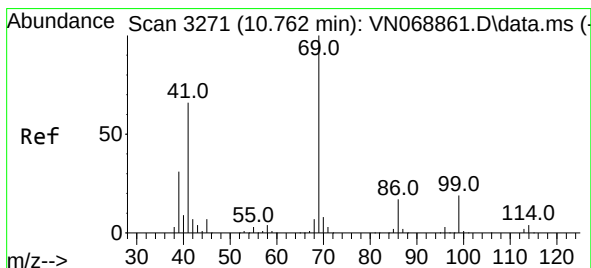
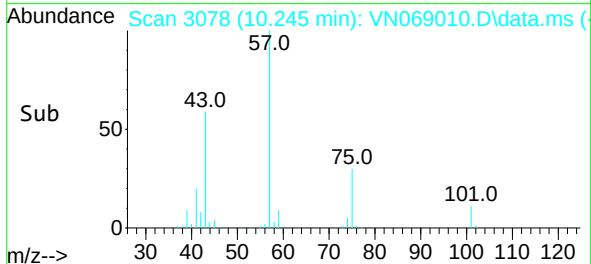
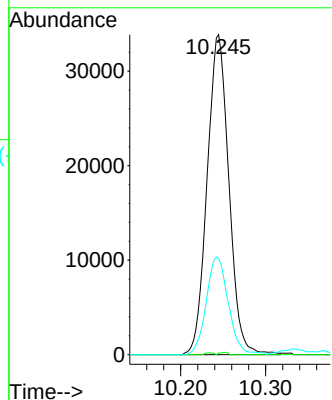
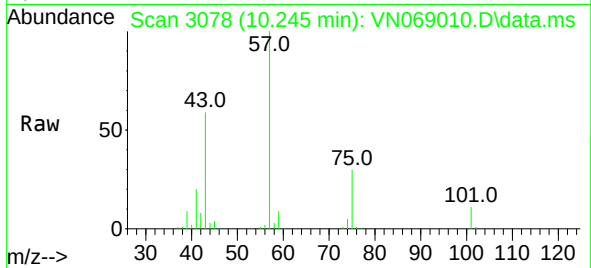




#54
 cis-1,3-Dichloropropene
 Concen: 9.377 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069010.D
 Acq: 19 Oct 2021 5:00

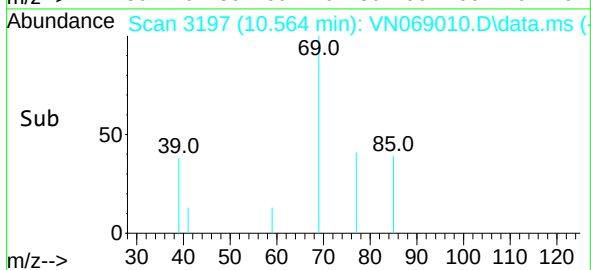
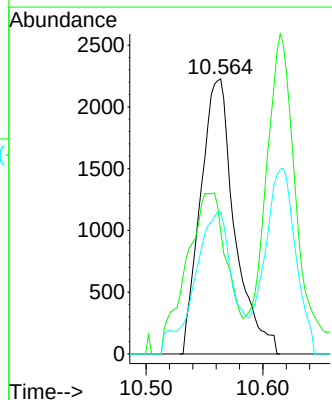
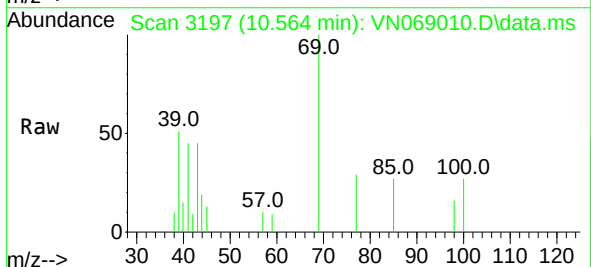
Instrument :
 MSVOA_N
 ClientSampleId :

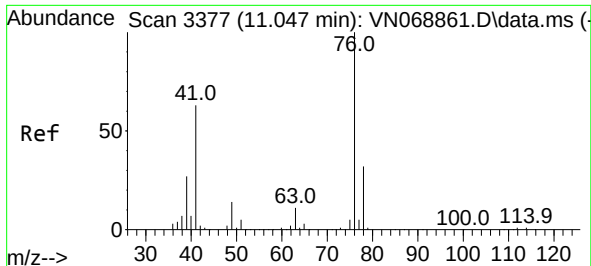
Tgt Ion: 75 Resp: 60181
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.6 38.4#
 39 30.0 42.9 64.3#



#56
 Ethyl methacrylate
 Concen: 0.713 ug/l
 RT: 10.564 min Scan# 3197
 Delta R.T. -0.198 min
 Lab File: VN069010.D
 Acq: 19 Oct 2021 5:00

Tgt Ion: 69 Resp: 4504
 Ion Ratio Lower Upper
 69 100
 41 70.3 53.3 79.9
 39 57.9 33.3 49.9#

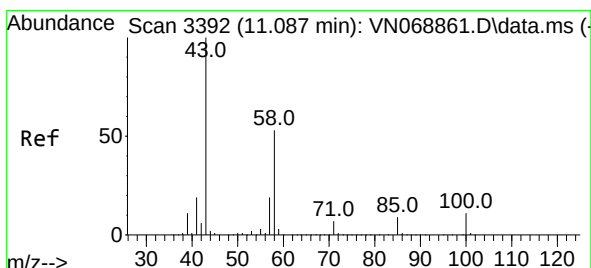
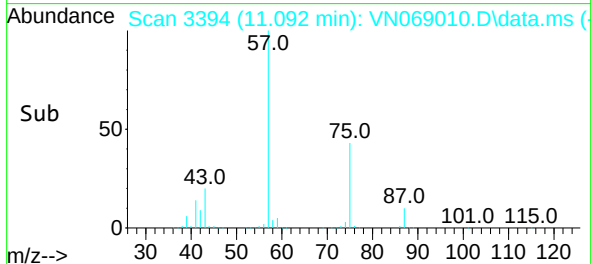
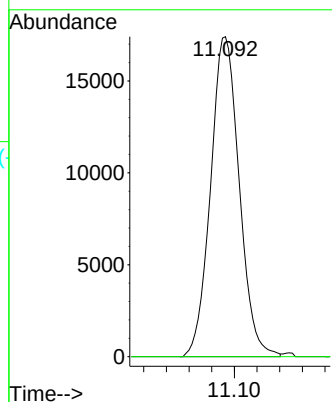
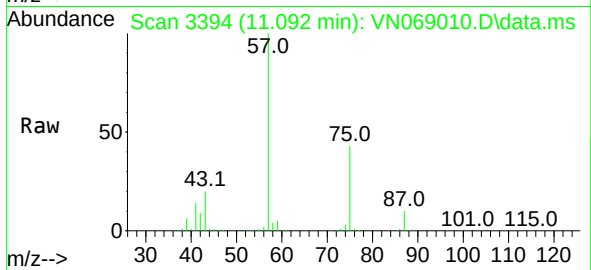




#57
1,3-Dichloropropane
Concen: 4.928 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

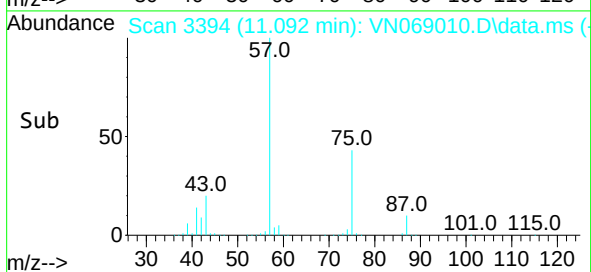
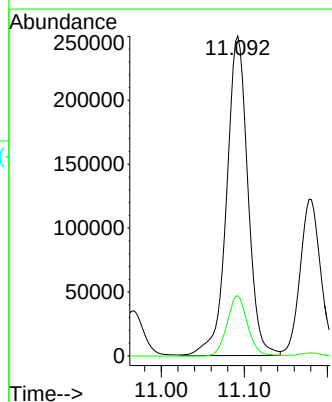
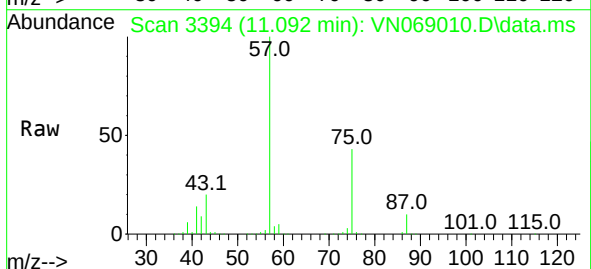
Instrument :
MSVOA_N
ClientSampleId :

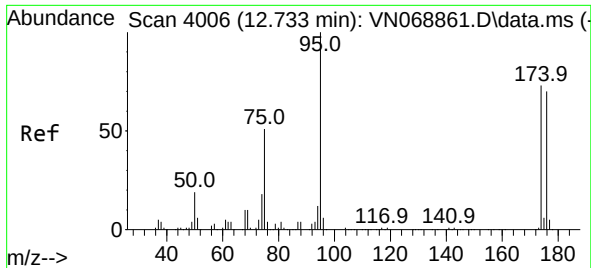
Tgt Ion: 76 Resp: 30579
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 120.568 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion: 43 Resp: 445135
Ion Ratio Lower Upper
43 100
58 18.1 26.9 80.7#

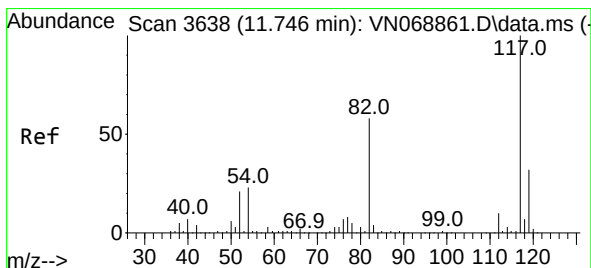
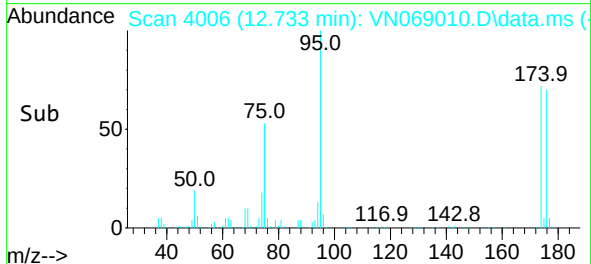
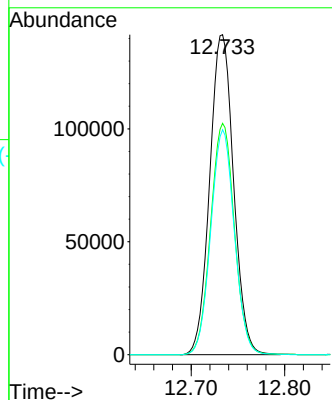
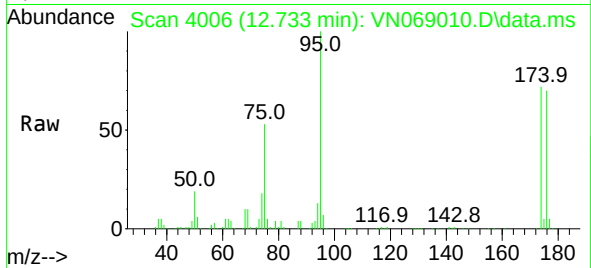




#62
4-Bromofluorobenzene
Concen: 50.220 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

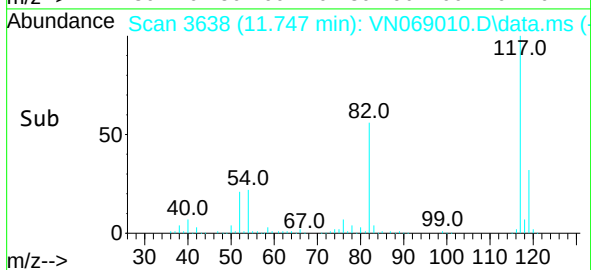
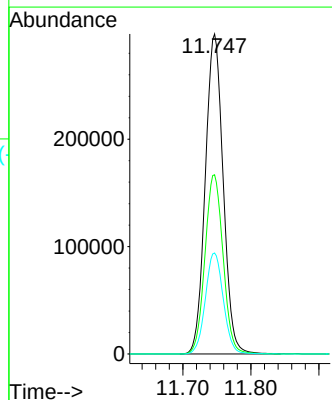
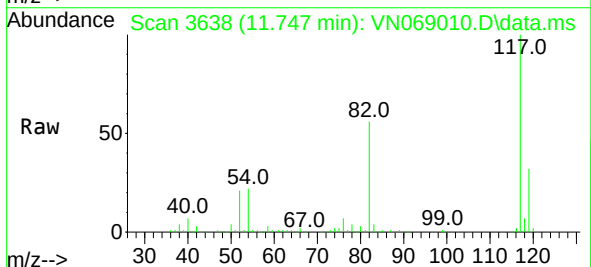
Instrument :
MSVOA_N
ClientSampleId :

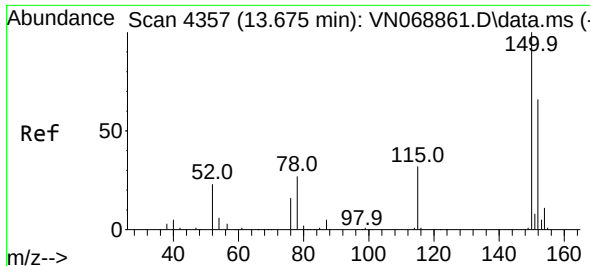
Tgt Ion: 95 Resp: 251604
Ion Ratio Lower Upper
95 100
174 72.1 0.0 144.8
176 69.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Tgt Ion: 117 Resp: 545085
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 31.5 26.0 39.0

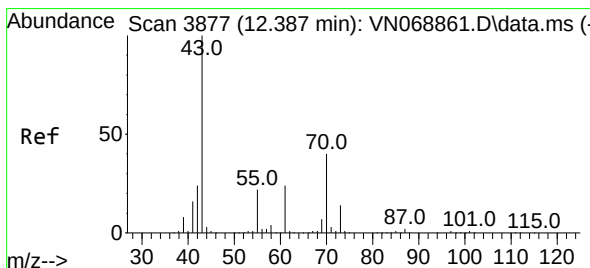
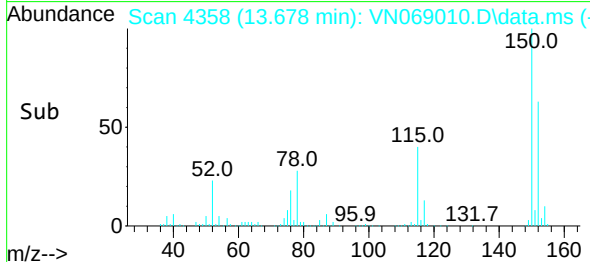
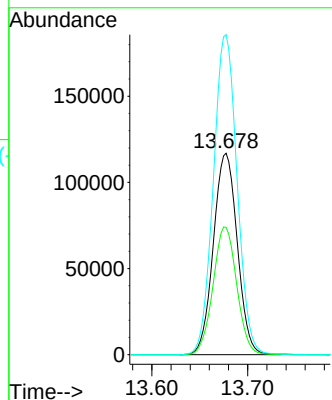
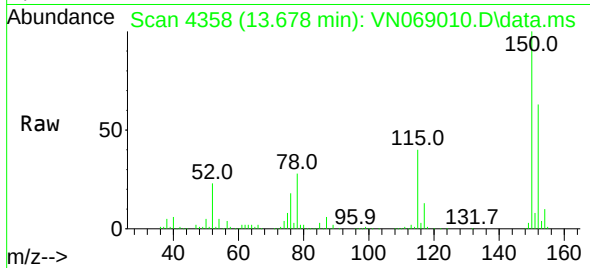




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069010.D
 Acq: 19 Oct 2021 5:00

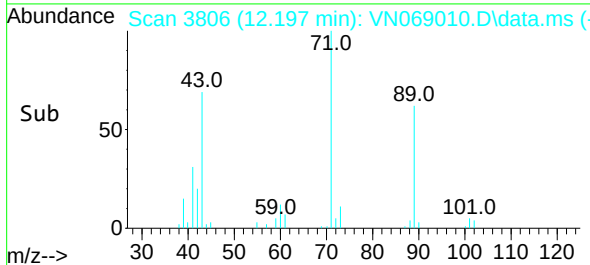
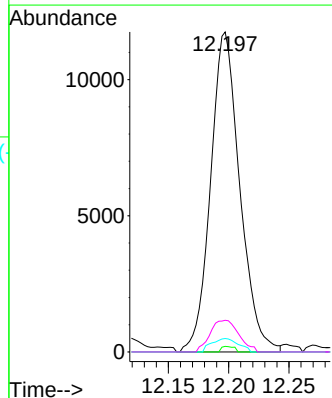
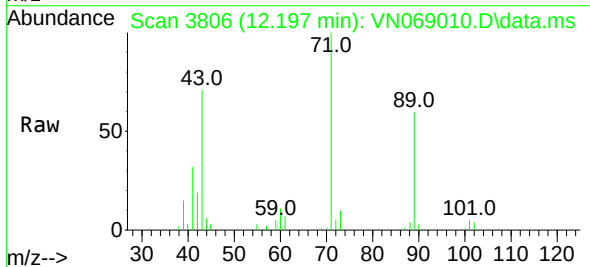
Instrument :
 MSVOA_N
 ClientSampleId :

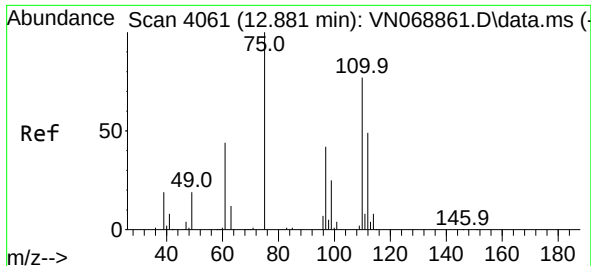
Tgt Ion:152 Resp: 202396
 Ion Ratio Lower Upper
 152 100
 115 62.9 31.4 94.3
 150 157.7 0.0 351.0



#74
 N-ethyl acetate
 Concen: 3.104 ug/l
 RT: 12.197 min Scan# 3806
 Delta R.T. -0.190 min
 Lab File: VN069010.D
 Acq: 19 Oct 2021 5:00

Tgt Ion: 43 Resp: 19812
 Ion Ratio Lower Upper
 43 100
 70 0.8 32.2 48.2#
 55 3.9 18.0 27.0#
 61 9.7 19.0 28.4#

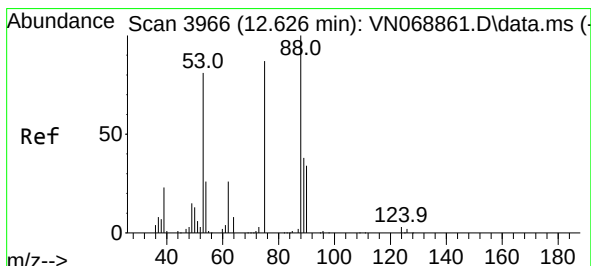
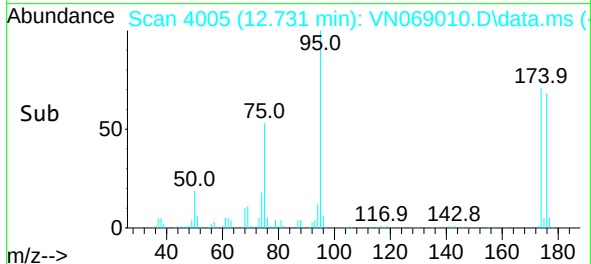
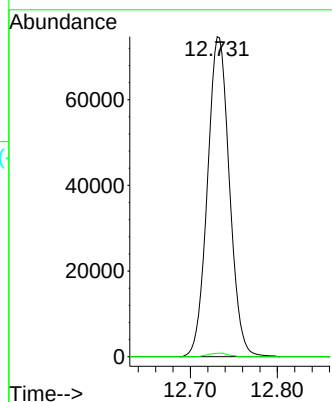
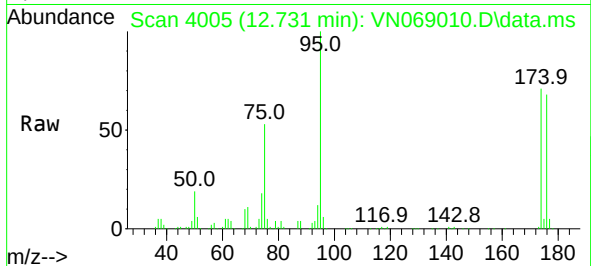




#76
1,2,3-Trichloropropane
Concen: 30.462 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

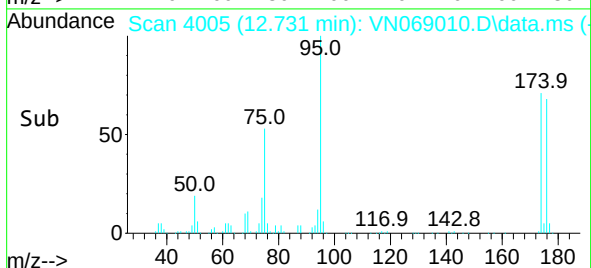
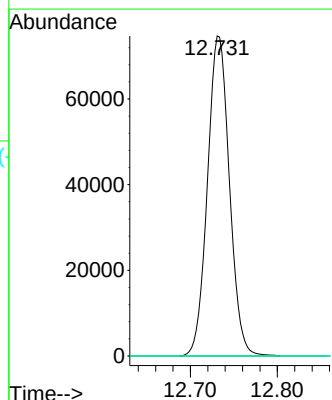
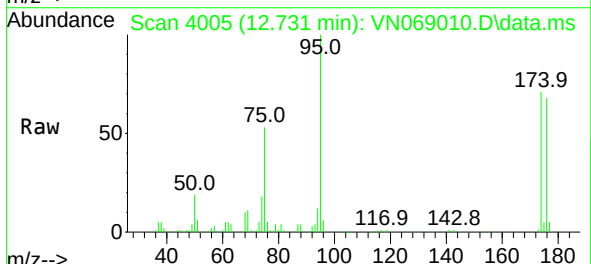
Instrument :
MSVOA_N
ClientSampled :

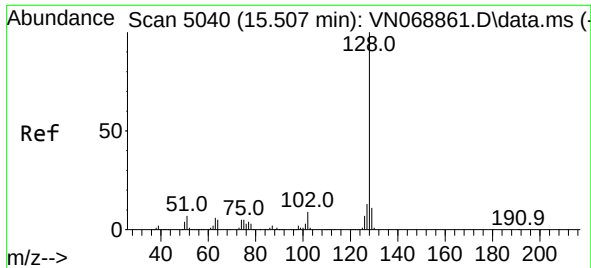
Tgt Ion: 75 Resp: 131184
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.880 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

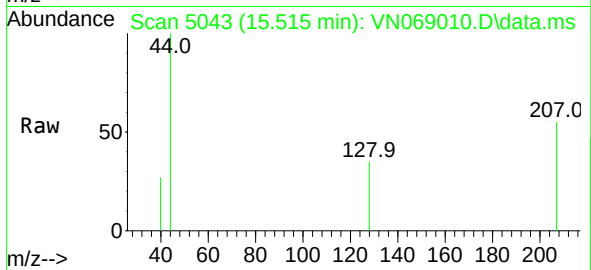
Tgt Ion: 75 Resp: 131184
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.828 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069010.D
Acq: 19 Oct 2021 5:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 171
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

