

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068925.D
 Acq On : 14 Oct 2021 15:25
 Operator : JC/MD
 Sample : M4192-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:46:10 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)

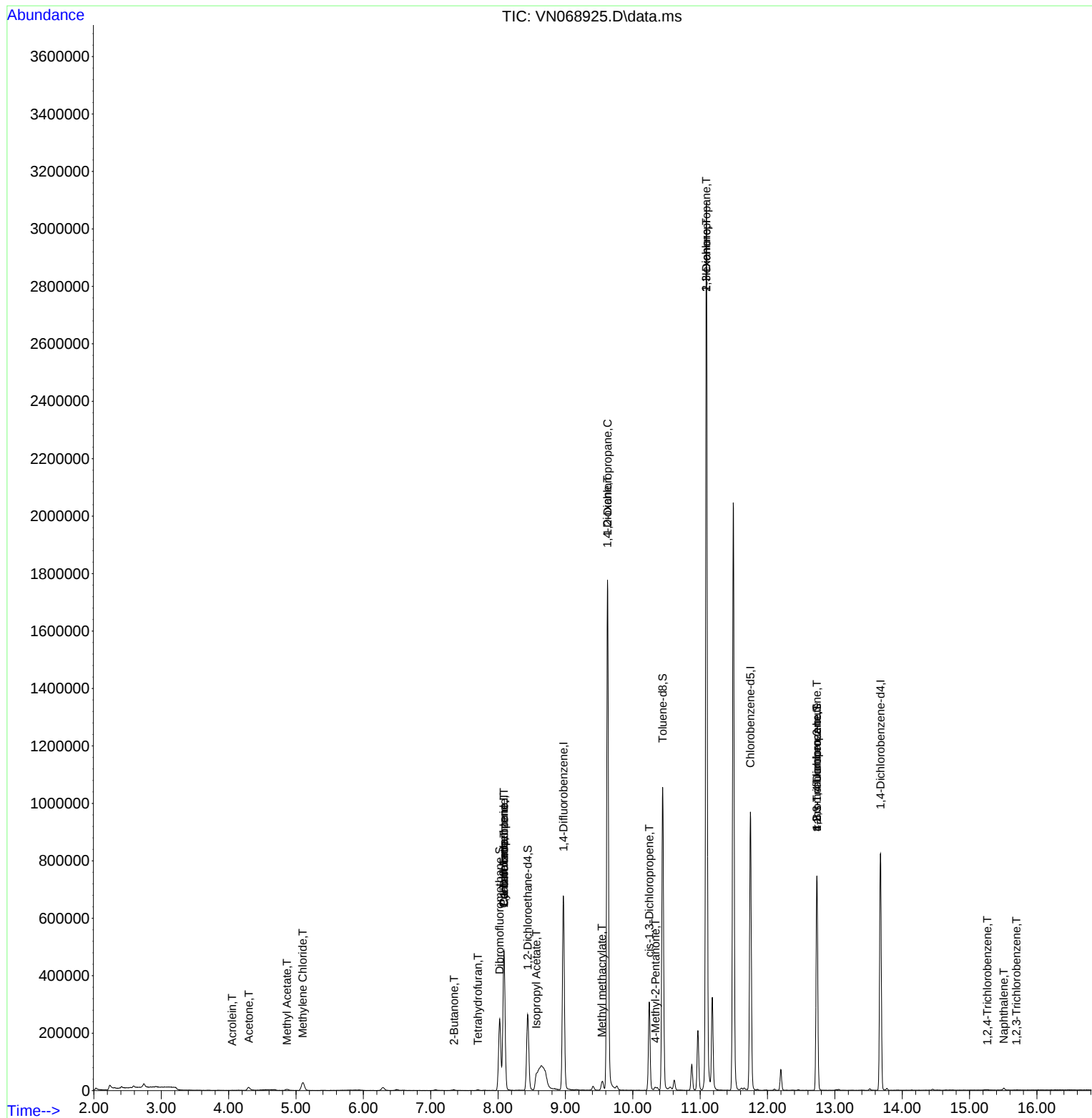
Internal Standards						
1) Pentafluorobenzene	8.088	168	376073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	616281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	577183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	228430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222915	44.957	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.920%		
35) Dibromofluoromethane	8.024	113	182991	51.035	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.080%		
50) Toluene-d8	10.443	98	753868	52.547	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.100%		
62) 4-Bromofluorobenzene	12.734	95	270038	49.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.780%		
Target Compounds						
					Qvalue	
13) Acrolein	4.052	56	190	0.474	ug/l	96
16) Acetone	4.299	43	18388	9.937	ug/l	98
18) Methyl Acetate	4.867	43	8404	1.197	ug/l #	82
20) Methylene Chloride	5.101	84	23337	5.480	ug/l	96
25) 2-Butanone	7.348	43	4186	1.496	ug/l	99
29) Tetrahydrofuran	7.699	42	1727	0.952	ug/l #	81
31) Cyclohexane	8.086	56	7918	1.027	ug/l #	4
36) 1,1-Dichloropropene	8.086	75	28522	5.418	ug/l #	50
38) Carbon Tetrachloride	8.088	117	37812	6.540	ug/l #	15
43) Isopropyl Acetate	8.568	43	56646	5.905	ug/l #	80
45) 1,2-Dichloropropane	9.625	63	1908	0.459	ug/l #	43
48) Methyl methacrylate	9.542	41	8049	1.786	ug/l #	13
49) 1,4-Dioxane	9.622	88	189	37.708	ug/l #	1
51) 4-Methyl-2-Pentanone	10.339	43	5329	0.958	ug/l #	78
54) cis-1,3-Dichloropropene	10.245	75	60323	8.699	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	33934	5.061	ug/l #	42
59) 2-Hexanone	11.092	43	475536	119.220	ug/l #	50
76) 1,2,3-Trichloropropane	12.734	75	138382	28.472	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	138382	68.117	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	215	2.655	ug/l #	74
95) Naphthalene	15.507	128	7016	4.423	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.697	180	130	2.548	ug/l #	22

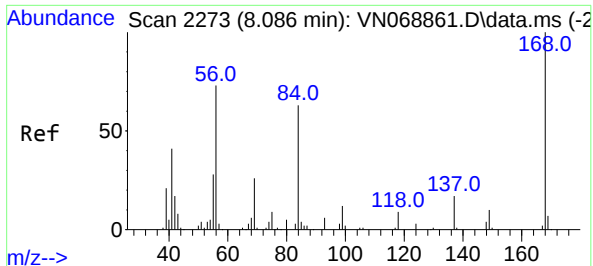
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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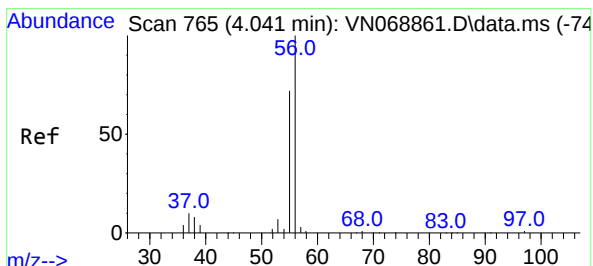
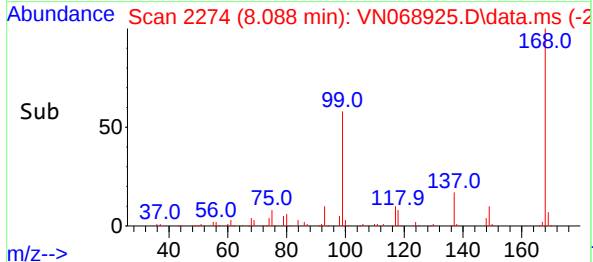
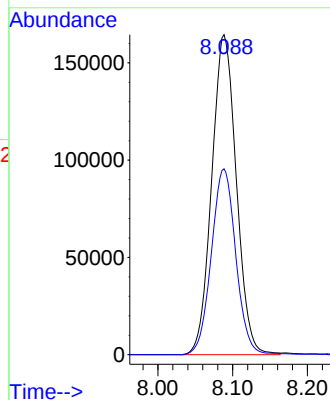
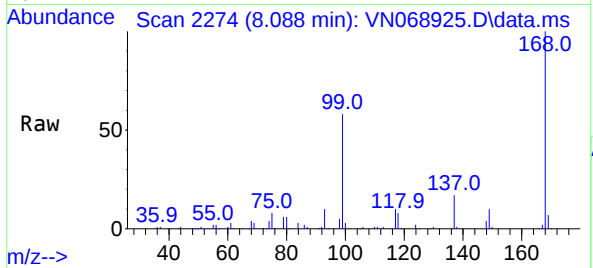




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

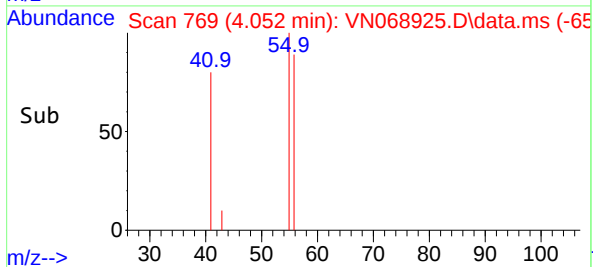
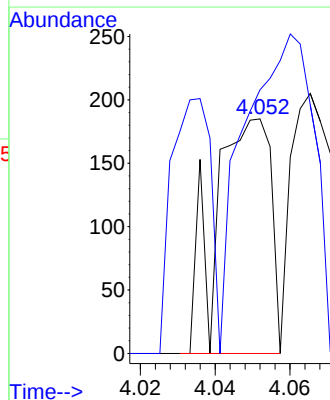
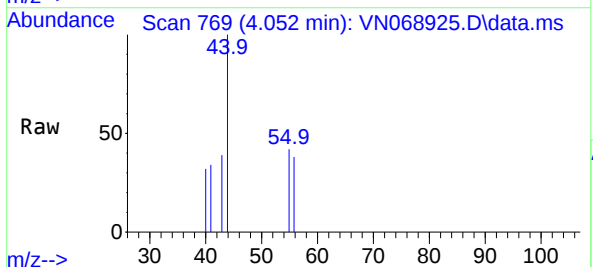
Instrument :
MSVOA_N
ClientSampled :

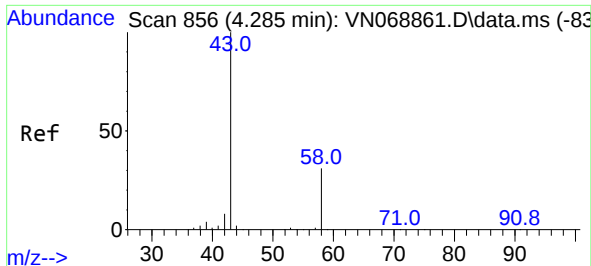
Tgt Ion:168 Resp: 376073
Ion Ratio Lower Upper
168 100
99 58.1 48.9 73.3



#13
Acrolein
Concen: 0.474 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 75.8 58.1 87.1

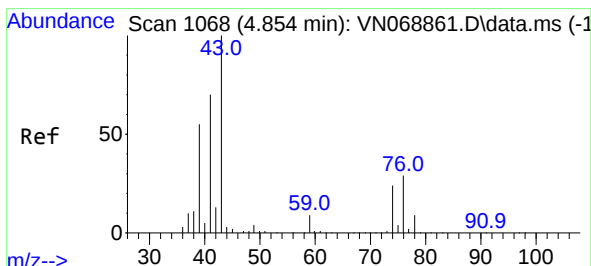
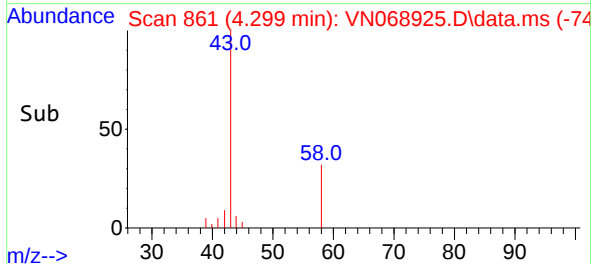
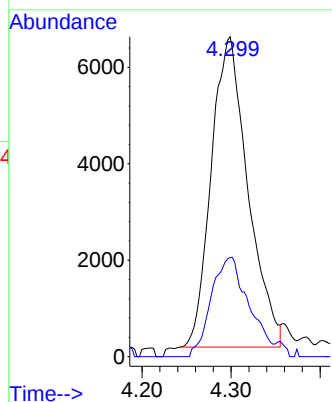
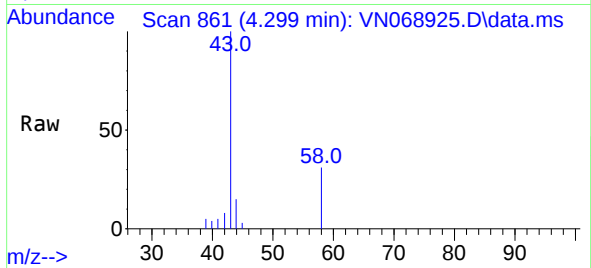




#16
Acetone
Concen: 9.937 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

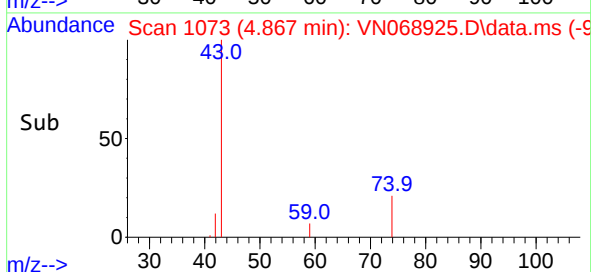
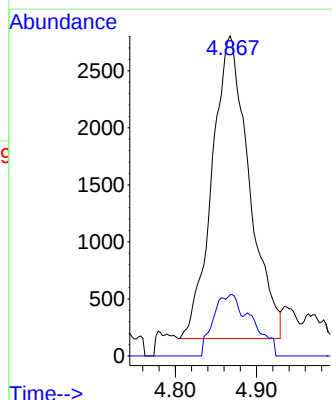
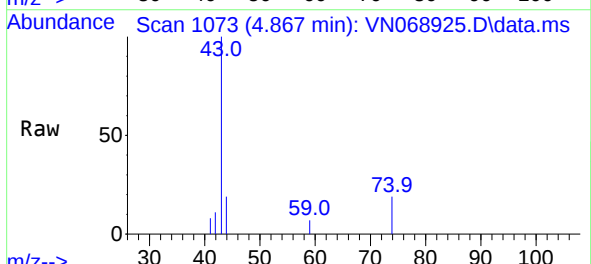
Instrument :
MSVOA_N
ClientSampled :

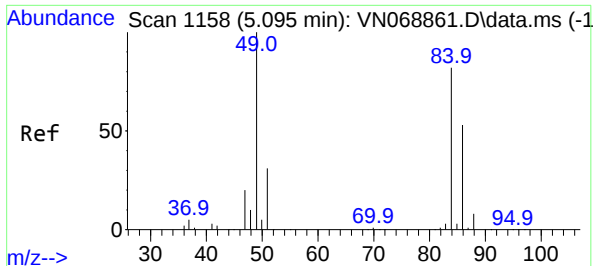
Tgt Ion: 43 Resp: 18388
Ion Ratio Lower Upper
43 100
58 31.9 24.5 36.7



#18
Methyl Acetate
Concen: 1.197 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.014 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 43 Resp: 8404
Ion Ratio Lower Upper
43 100
74 14.6 18.9 28.3#



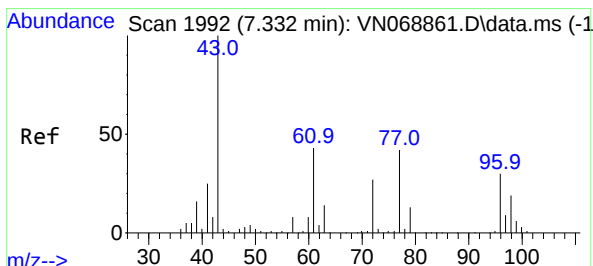
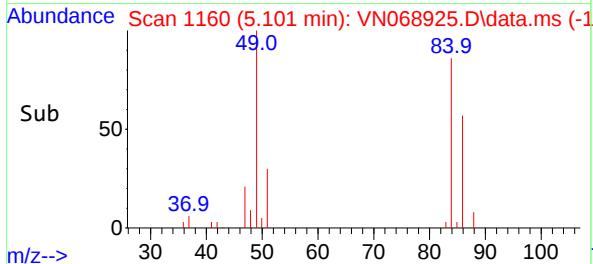
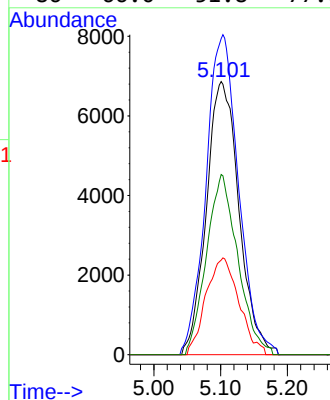
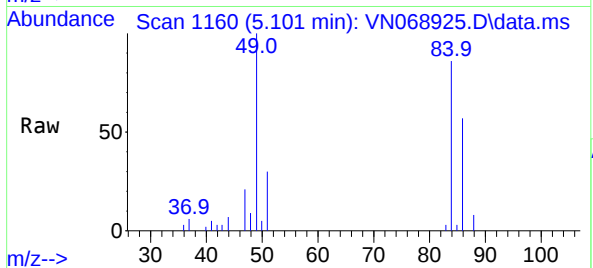


#20
Methylene Chloride
Concen: 5.480 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 23337

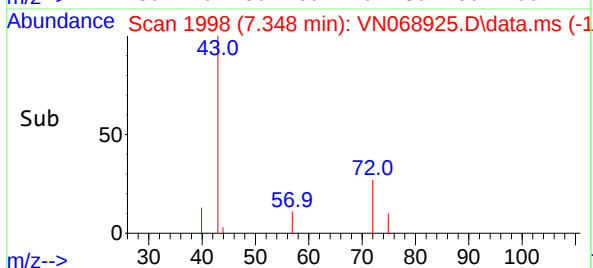
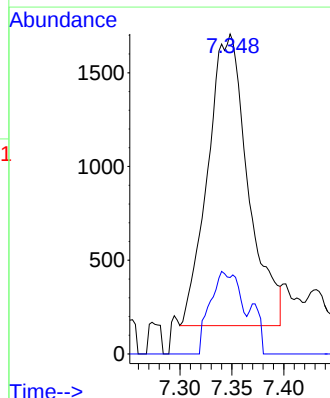
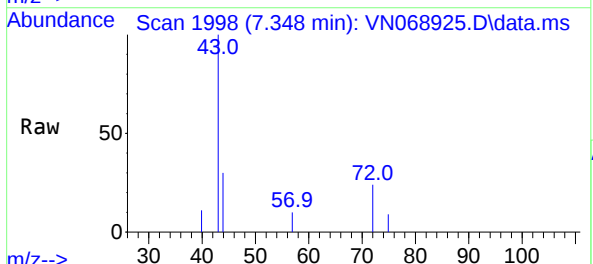
Ion	Ratio	Lower	Upper
84	100		
49	115.7	97.6	146.4
51	34.7	30.3	45.5
86	66.0	51.8	77.6

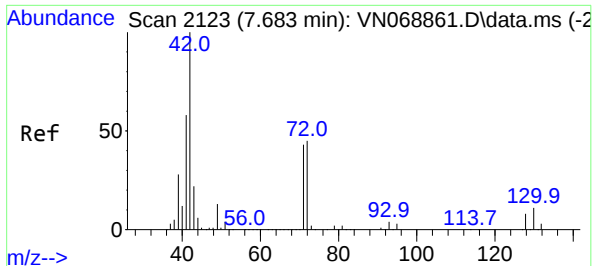


#25
2-Butanone
Concen: 1.496 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 43 Resp: 4186

Ion	Ratio	Lower	Upper
43	100		
72	26.2	21.2	31.8



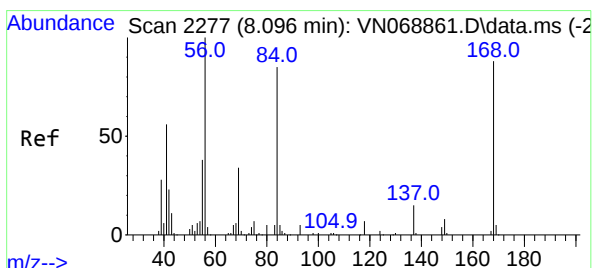
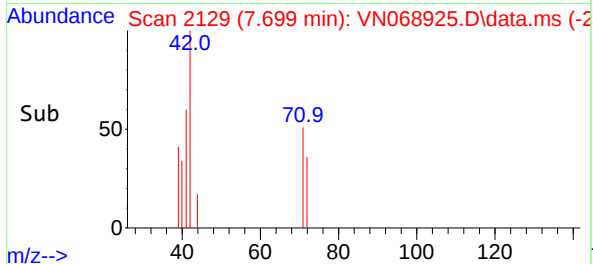
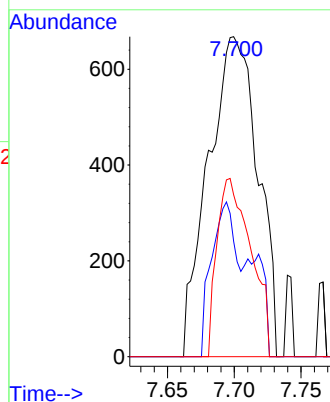
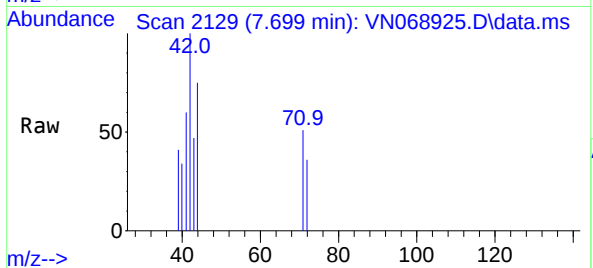


#29
Tetrahydrofuran
Concen: 0.952 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 42 Resp: 1727

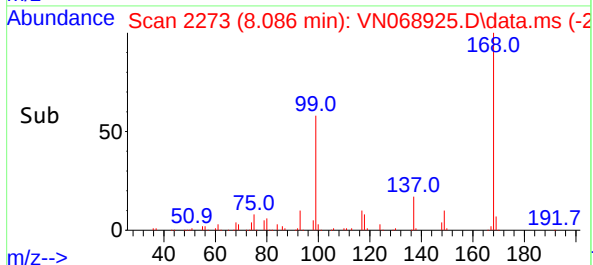
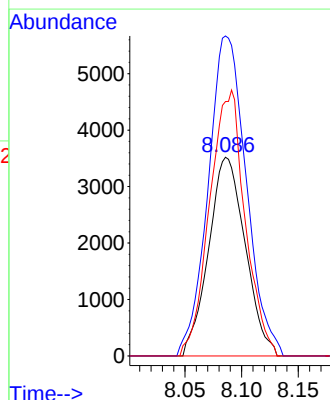
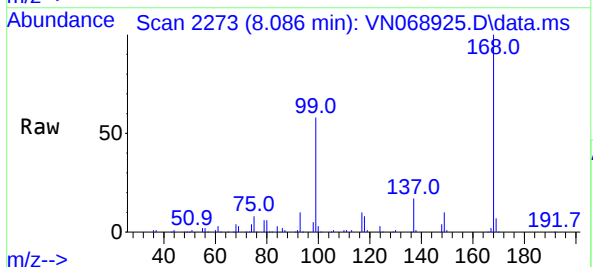
Ion	Ratio	Lower	Upper
42	100		
72	24.4	35.4	53.2#
71	38.0	33.8	50.6

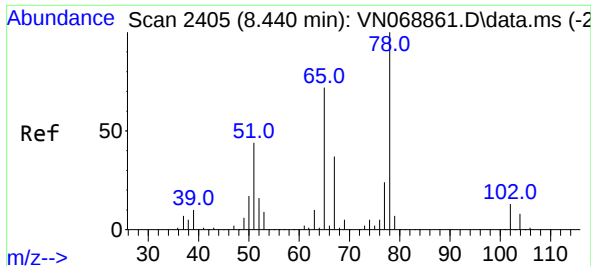


#31
Cyclohexane
Concen: 1.027 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 56 Resp: 7918

Ion	Ratio	Lower	Upper
56	100		
69	156.7	26.9	40.3#
84	128.1	67.6	101.4#

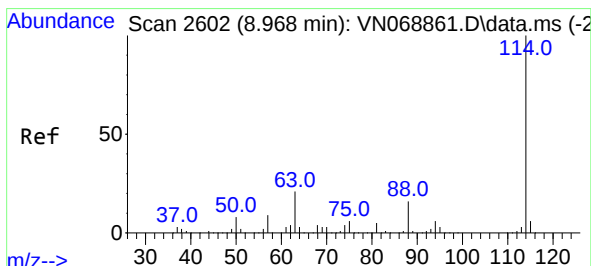
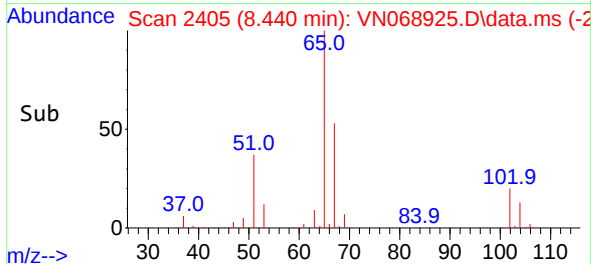
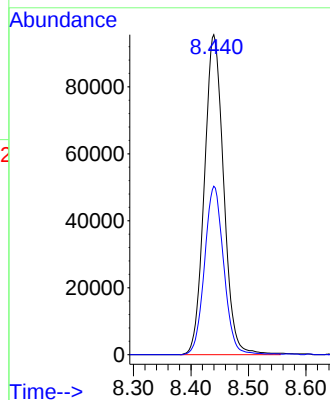
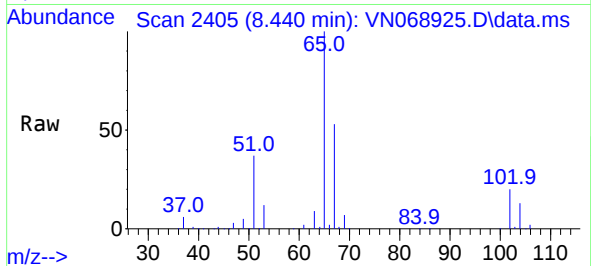




#33
1,2-Dichloroethane-d4
Concen: 44.957 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

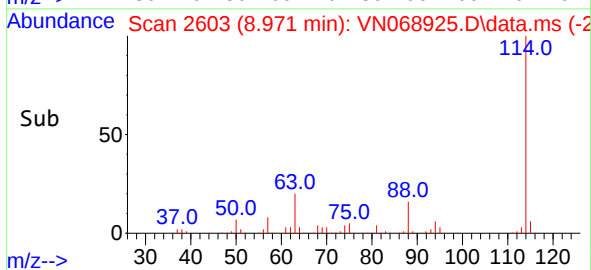
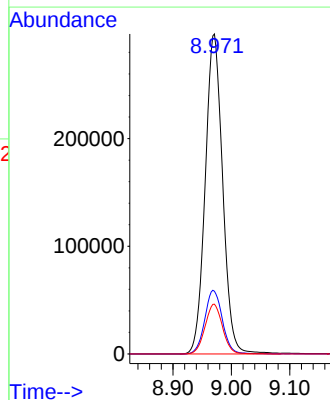
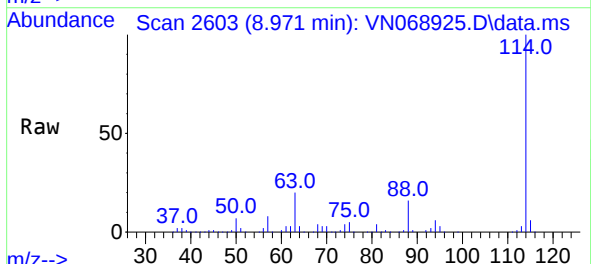
Instrument :
MSVOA_N
ClientSampleId :

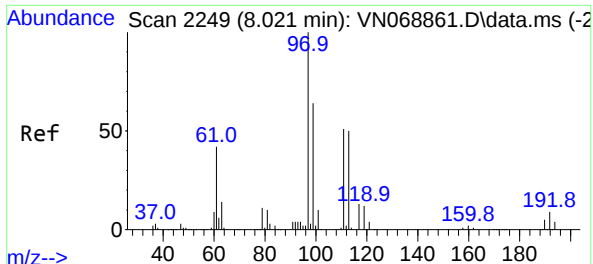
Tgt Ion: 65 Resp: 222915
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 114 Resp: 616281
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.6
88 15.6 0.0 32.0

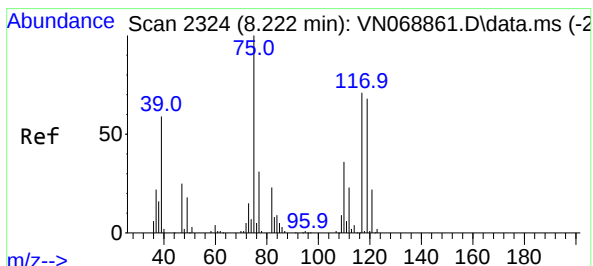
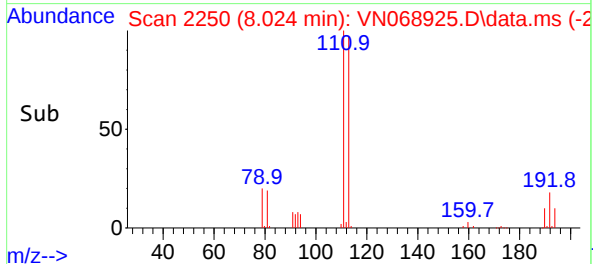
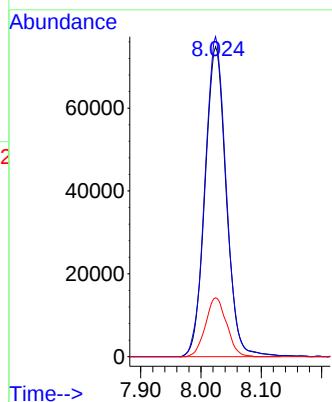
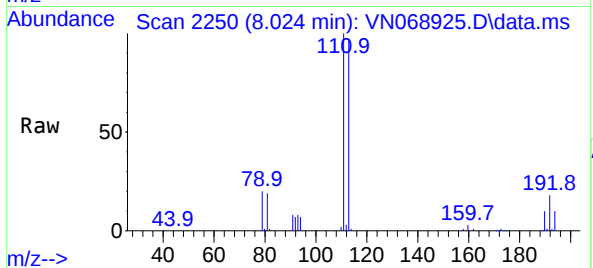




#35
Dibromofluoromethane
Concen: 51.035 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

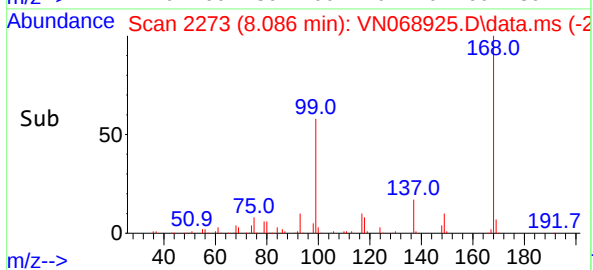
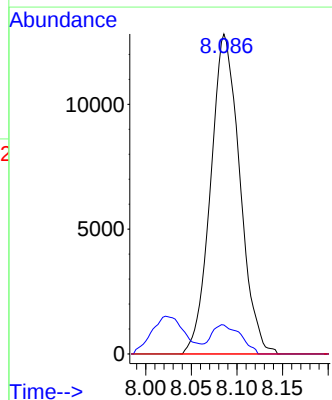
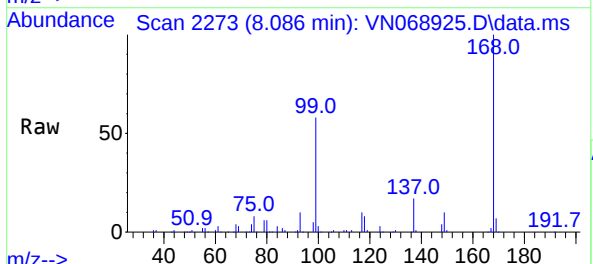
Instrument :
MSVOA_N
ClientSampleId :

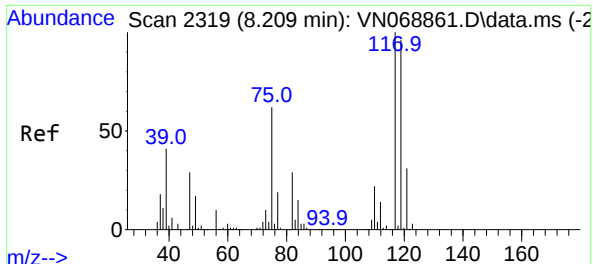
Tgt Ion:113 Resp: 182991
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 18.9 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.418 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

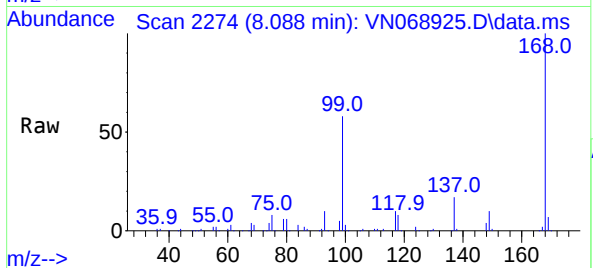
Tgt Ion: 75 Resp: 28522
Ion Ratio Lower Upper
75 100
110 9.4 17.9 53.8#
77 0.0 24.7 37.1#



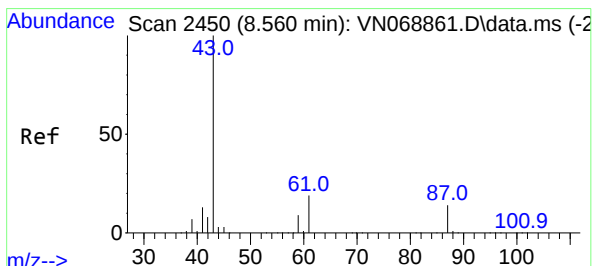
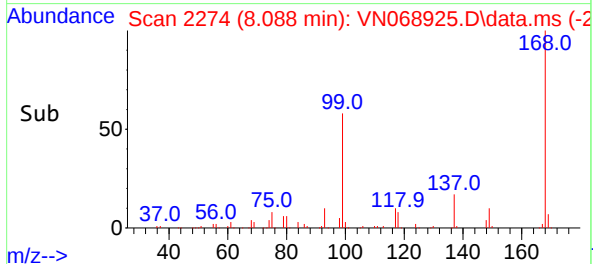
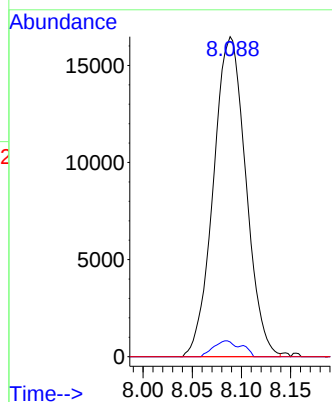


#38
Carbon Tetrachloride
Concen: 6.540 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Instrument :
MSVOA_N
ClientSampled :

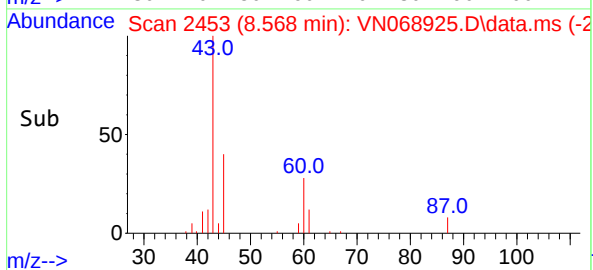
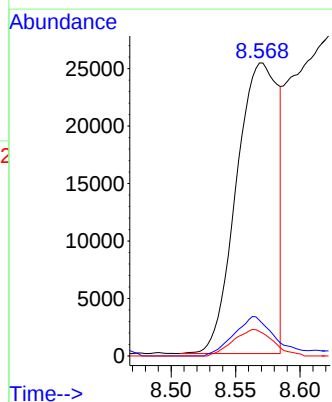
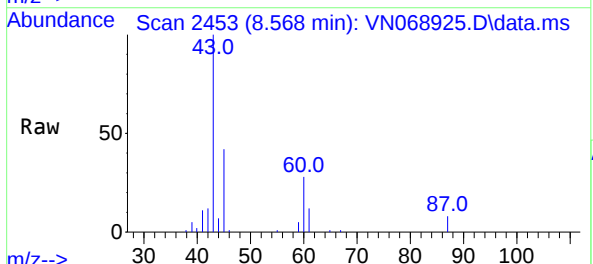


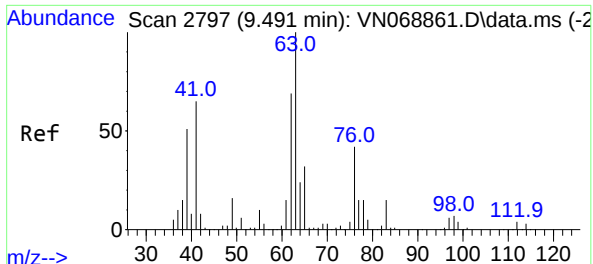
Tgt Ion:117 Resp: 37812
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.905 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 43 Resp: 56646
Ion Ratio Lower Upper
43 100
61 13.3 20.4 30.6#
87 8.7 10.7 16.1#

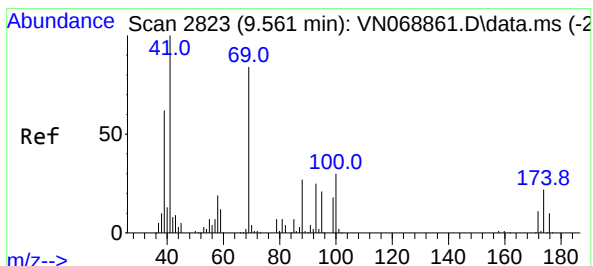
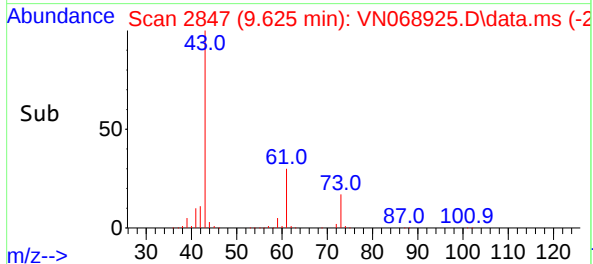
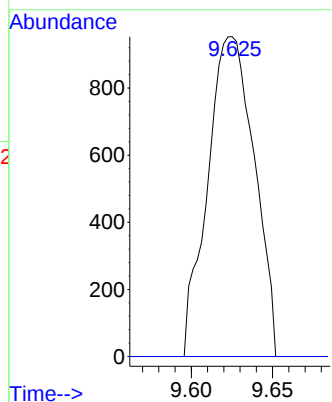
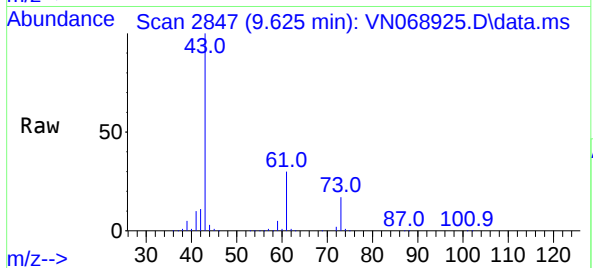




#45
1,2-Dichloropropane
Concen: 0.459 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

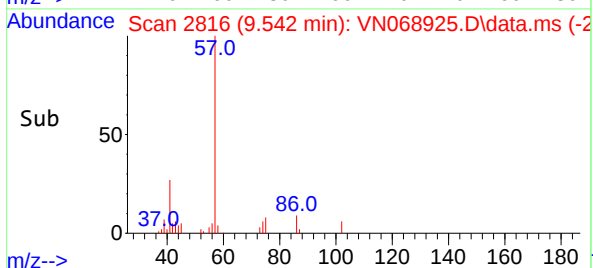
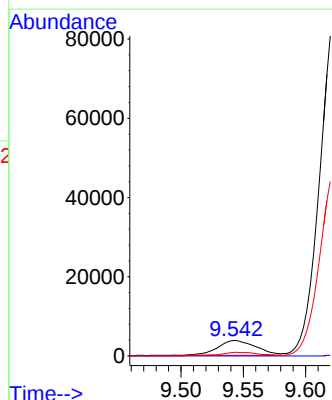
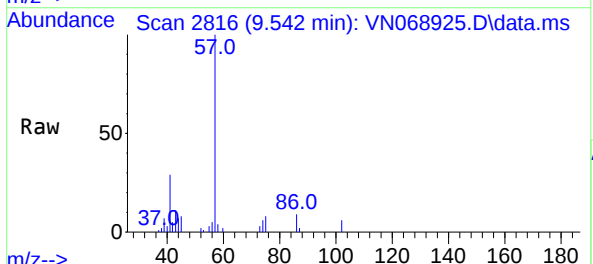
Instrument :
MSVOA_N
ClientSampled :

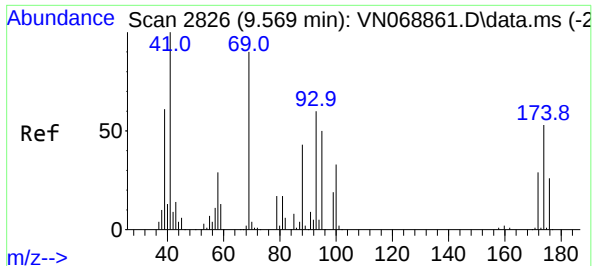
Tgt Ion: 63 Resp: 1908
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.786 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 41 Resp: 8049
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: 37.708 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.053 min

Lab File: VN068925.D

Acq: 14 Oct 2021 15:25

Tgt Ion: 88 Resp: 189

Ion Ratio Lower Upper

88 100

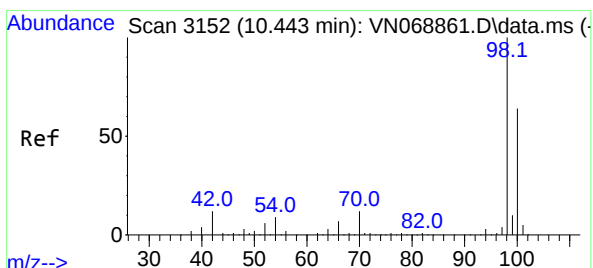
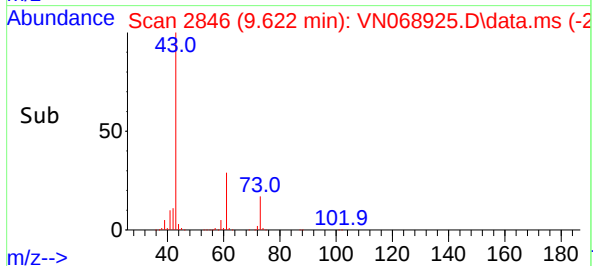
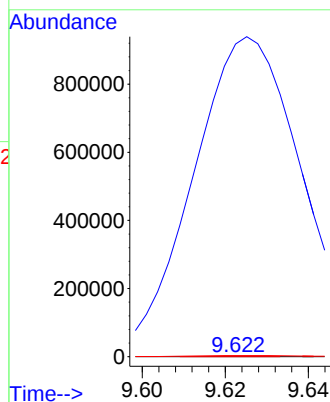
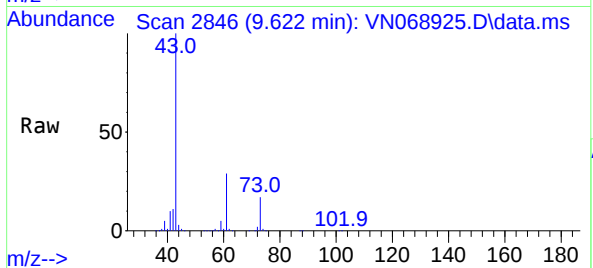
43 950640.2 24.9 37.3#

58 3509.5 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 52.547 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068925.D

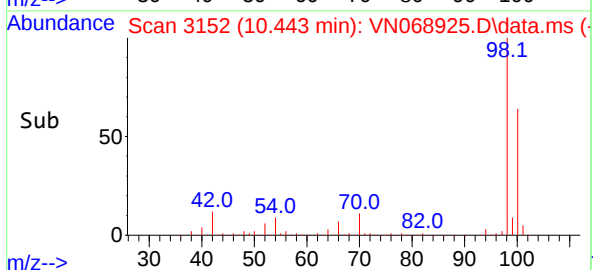
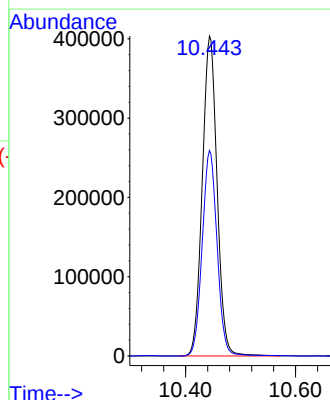
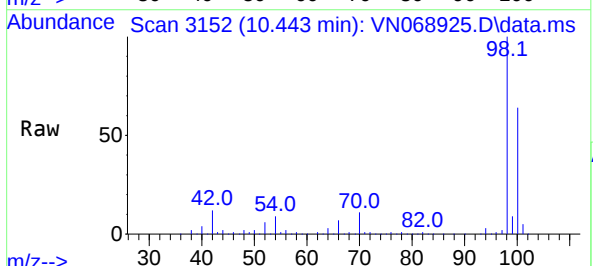
Acq: 14 Oct 2021 15:25

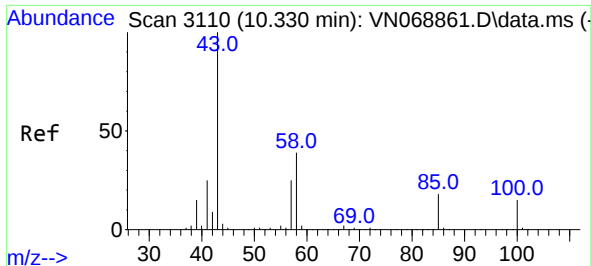
Tgt Ion: 98 Resp: 753868

Ion Ratio Lower Upper

98 100

100 64.4 51.5 77.3

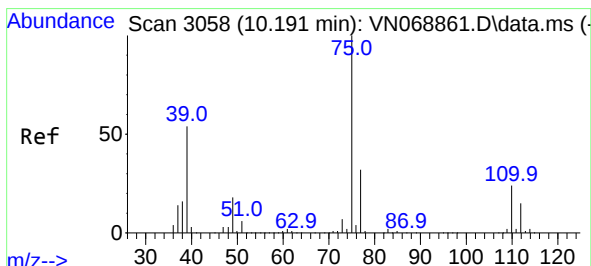
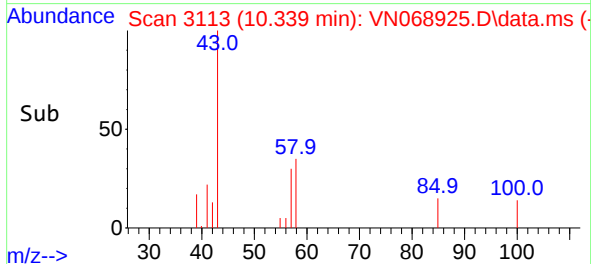
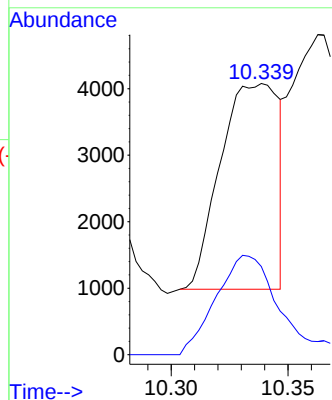
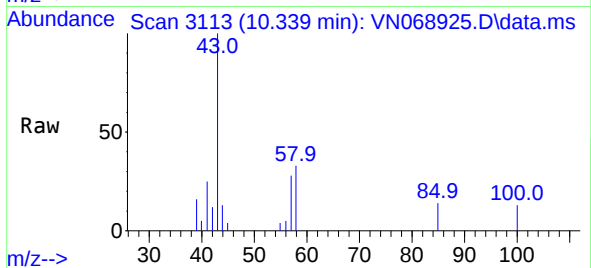




#51
4-Methyl-2-Pentanone
Concen: 0.958 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.008 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

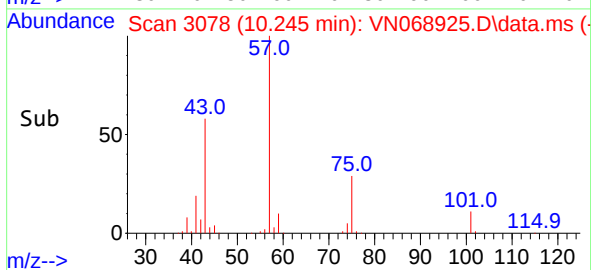
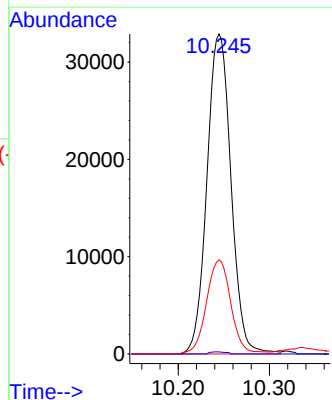
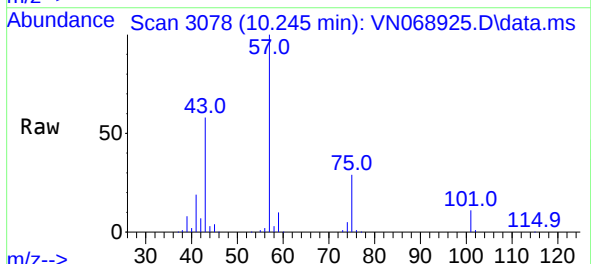
Instrument :
MSVOA_N
ClientSampled :

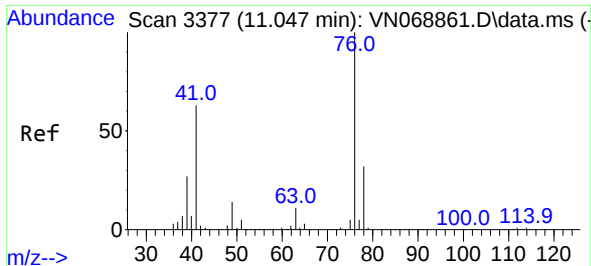
Tgt Ion: 43 Resp: 5329
Ion Ratio Lower Upper
43 100
58 52.1 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.699 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 75 Resp: 60323
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 29.4 42.9 64.3#

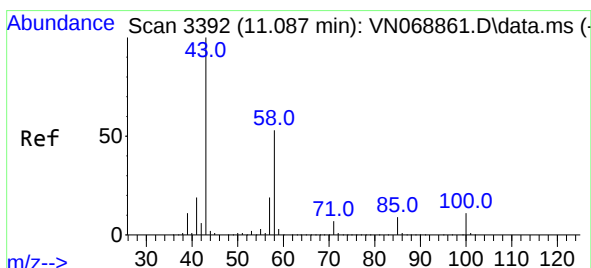
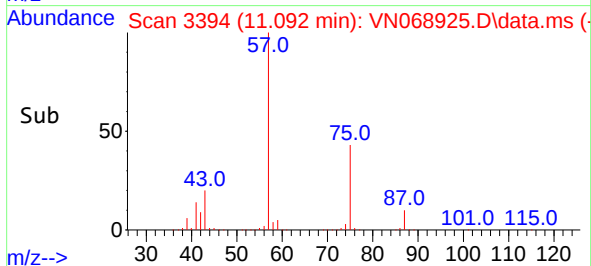
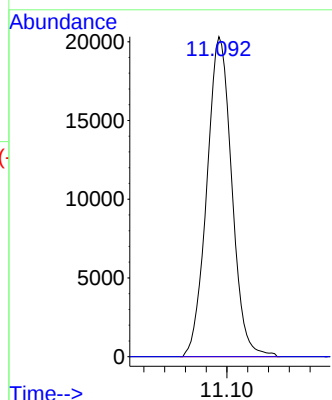
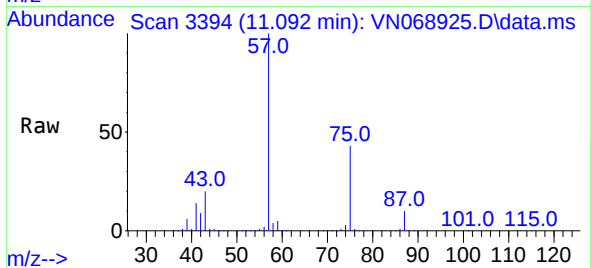




#57
1,3-Dichloropropane
Concen: 5.061 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

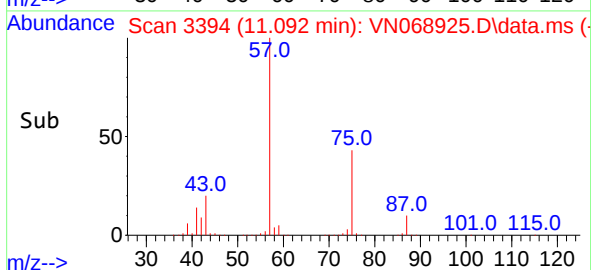
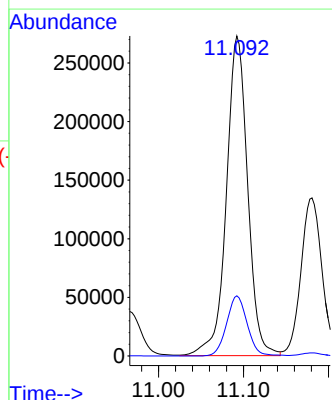
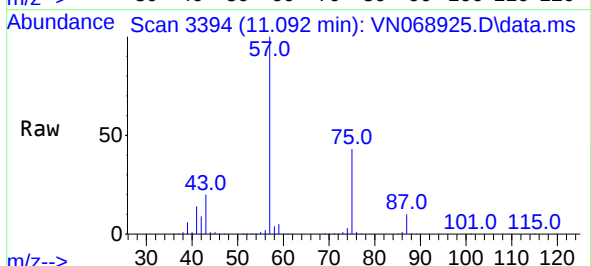
Instrument :
MSVOA_N
ClientSampled :

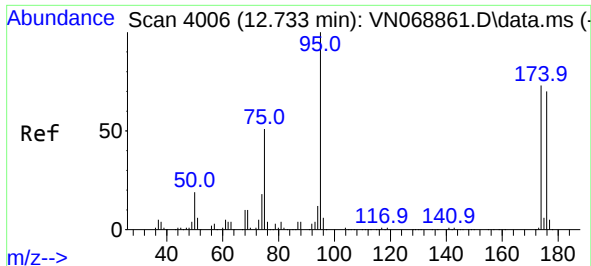
Tgt Ion: 76 Resp: 33934
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 119.220 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 43 Resp: 475536
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#

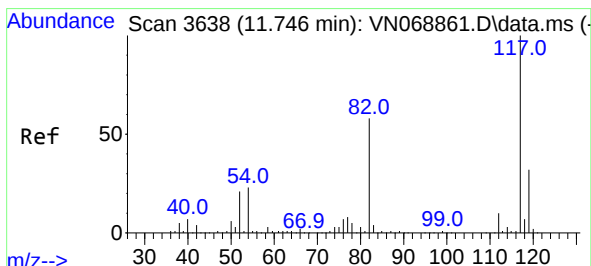
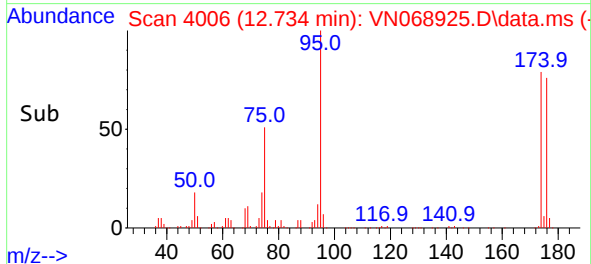
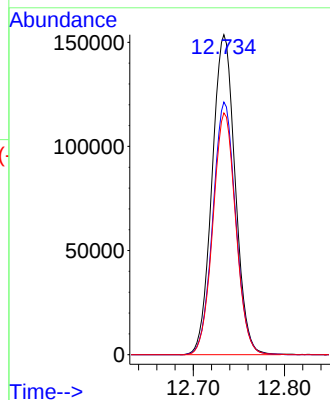
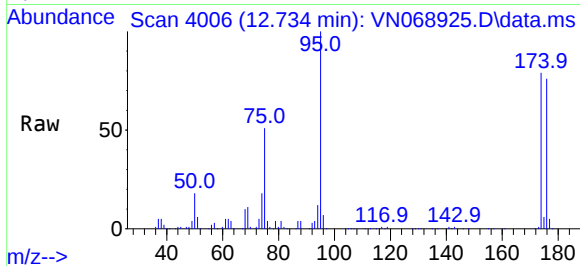




#62
4-Bromofluorobenzene
Concen: 49.889 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

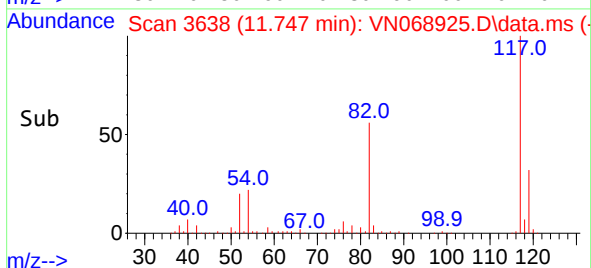
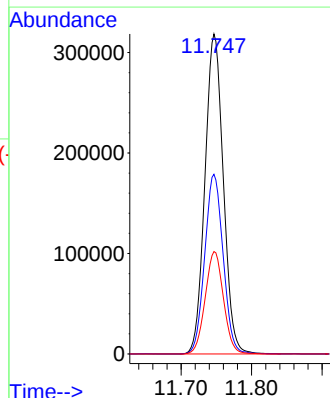
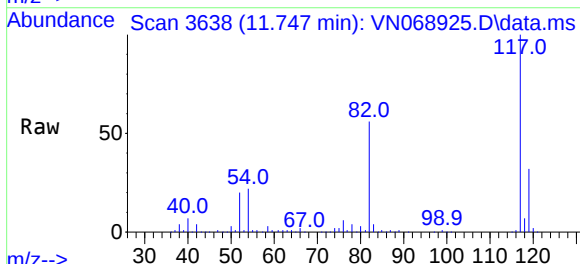
Instrument :
MSVOA_N
ClientSampleId :

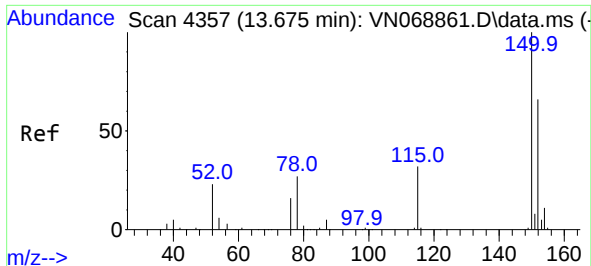
Tgt Ion: 95 Resp: 270038
Ion Ratio Lower Upper
95 100
174 78.1 0.0 144.8
176 74.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 117 Resp: 577183
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 32.0 26.0 39.0

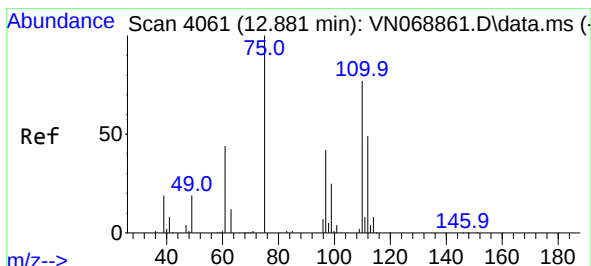
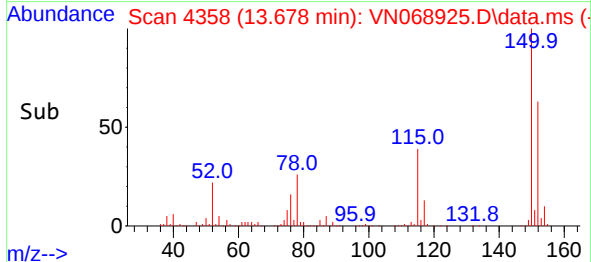
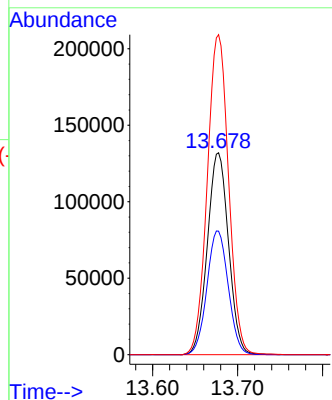
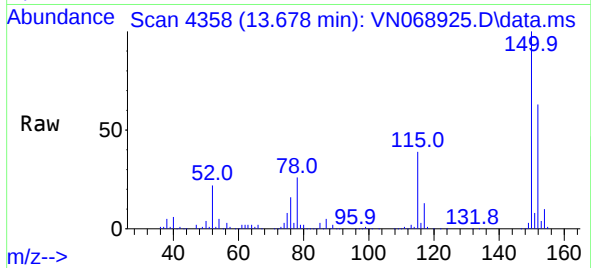




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

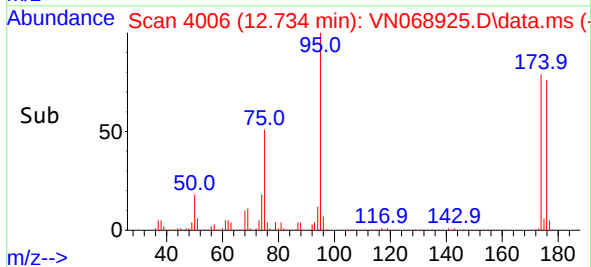
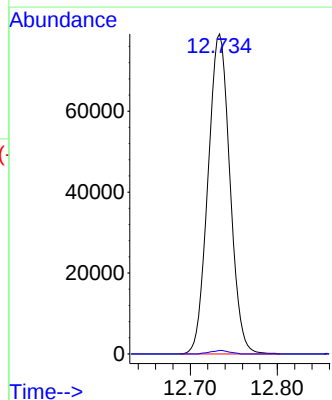
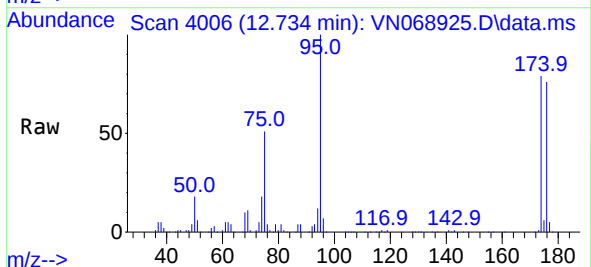
Instrument :
MSVOA_N
ClientSampled :

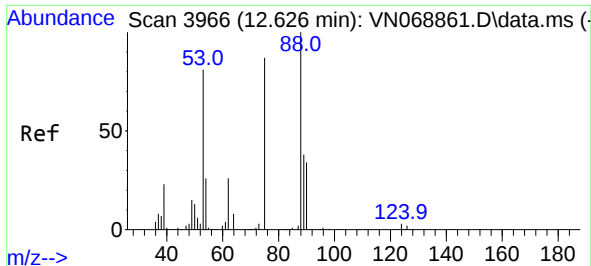
Tgt Ion:152 Resp: 228430
Ion Ratio Lower Upper
152 100
115 61.7 31.4 94.3
150 159.4 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 28.472 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion: 75 Resp: 138382
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#

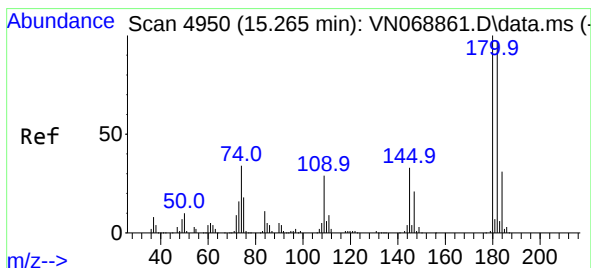
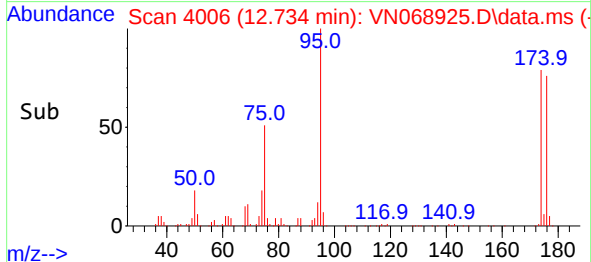
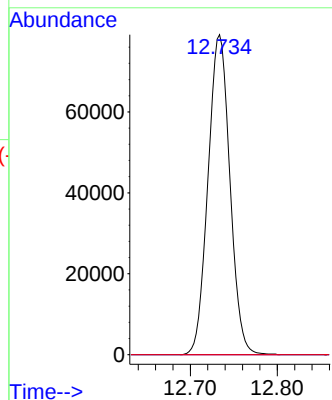
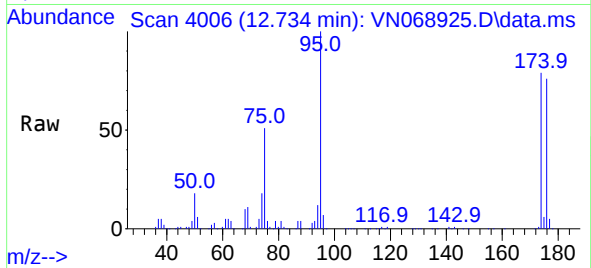




#81
trans-1,4-Dichloro-2-butene
Concen: 68.117 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

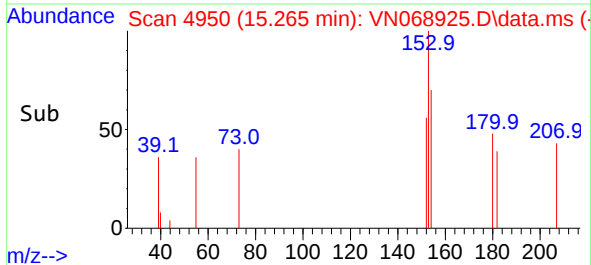
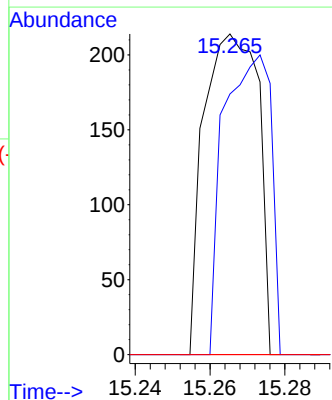
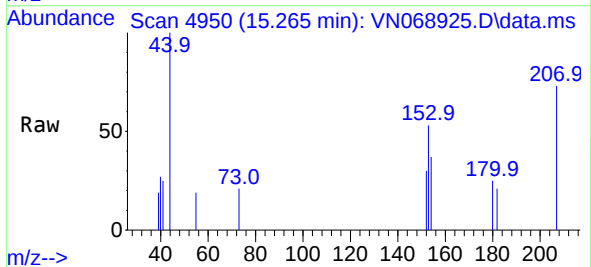
Instrument :
MSVOA_N
ClientSampleId :

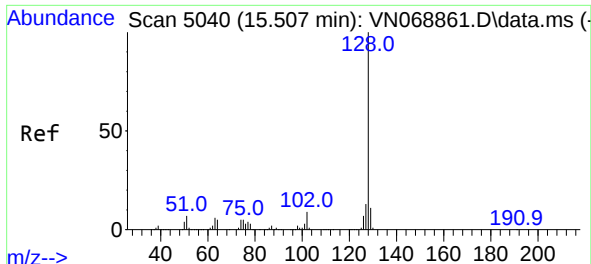
Tgt Ion: 75 Resp: 138382
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.655 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion:180 Resp: 215
Ion Ratio Lower Upper
180 100
182 81.4 47.9 143.7
145 0.0 16.4 49.2#

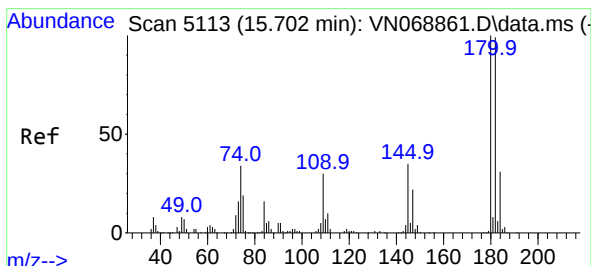
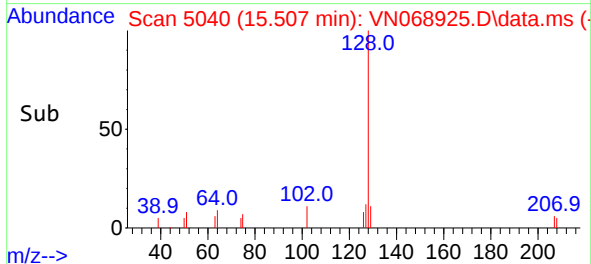
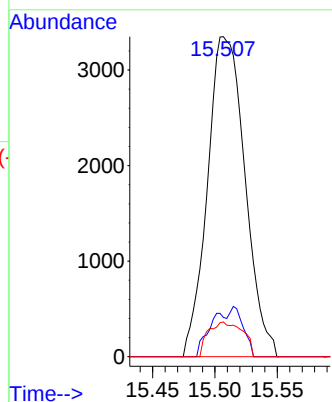
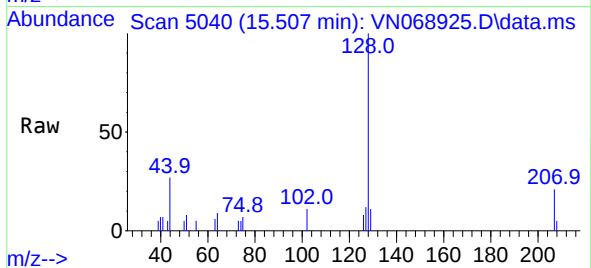




#95
Naphthalene
Concen: 4.423 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 7016
Ion Ratio Lower Upper
128 100
127 6.9 10.5 15.7#
129 10.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 2.548 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN068925.D
Acq: 14 Oct 2021 15:25

Tgt Ion:180 Resp: 130
Ion Ratio Lower Upper
180 100
182 179.2 48.1 144.3#
145 0.0 17.4 52.2#

