

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068926.D
 Acq On : 14 Oct 2021 15:50
 Operator : JC/MD
 Sample : M4192-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:46:31 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)

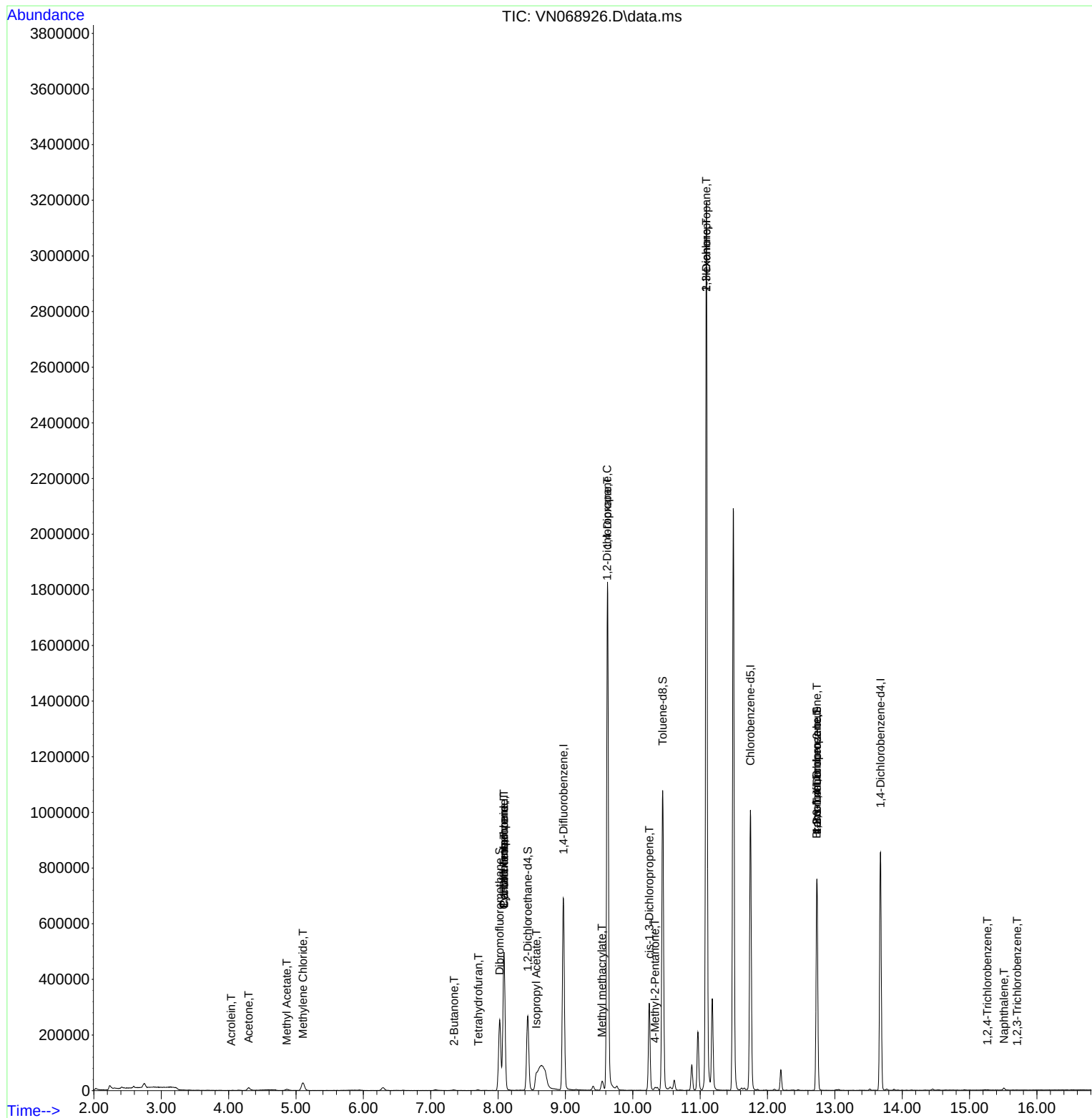
Internal Standards						
1) Pentafluorobenzene	8.088	168	383679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	626814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	590862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	235491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229502	45.368	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.740%		
35) Dibromofluoromethane	8.024	113	187432	51.395	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.800%		
50) Toluene-d8	10.443	98	771573	52.878	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.760%		
62) 4-Bromofluorobenzene	12.733	95	272828	49.558	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.120%		
Target Compounds						Qvalue
13) Acrolein	4.039	56	107	0.262	ug/l #	13
16) Acetone	4.296	43	18057	9.565	ug/l	98
18) Methyl Acetate	4.865	43	9476	1.323	ug/l #	70
20) Methylene Chloride	5.103	84	23410	5.388	ug/l	94
25) 2-Butanone	7.348	43	4355	1.526	ug/l	97
29) Tetrahydrofuran	7.707	42	1716	0.927	ug/l #	75
31) Cyclohexane	8.086	56	7979	1.014	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	29113	5.438	ug/l #	49
38) Carbon Tetrachloride	8.088	117	38143	6.487	ug/l #	15
43) Isopropyl Acetate	8.568	43	61991	6.354	ug/l #	78
45) 1,2-Dichloropropane	9.620	63	2085	0.493	ug/l #	43
48) Methyl methacrylate	9.542	41	8848	1.930	ug/l #	13
49) 1,4-Dioxane	9.622	88	207	37.868	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	6661	1.177	ug/l	96
54) cis-1,3-Dichloropropene	10.245	75	60461	8.573	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	34895	5.117	ug/l #	42
59) 2-Hexanone	11.092	43	488017	120.293	ug/l #	50
71) Bromoform	12.731	173	1056	0.301	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	140133	27.967	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	140133	66.910	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.263	180	144	2.636	ug/l #	65
95) Naphthalene	15.509	128	7730	4.465	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	200	2.564	ug/l #	12

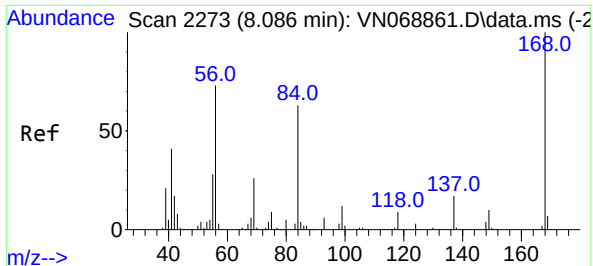
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

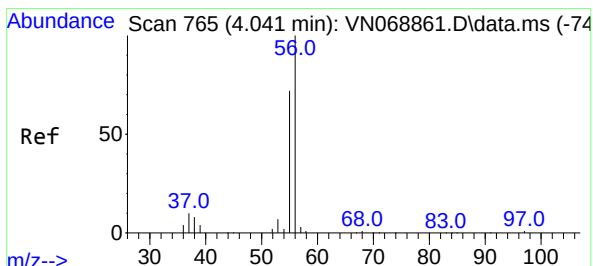
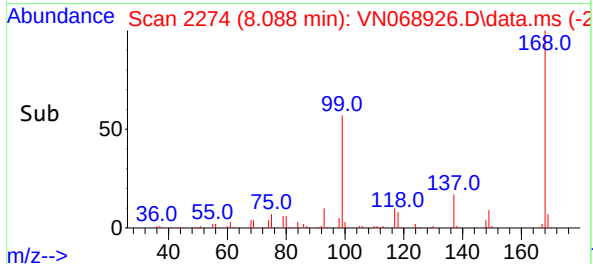
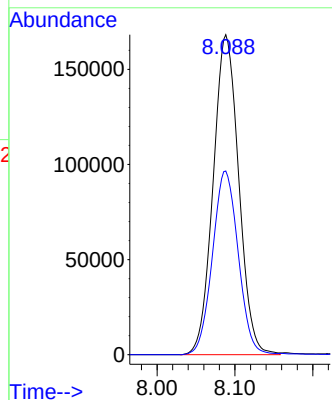
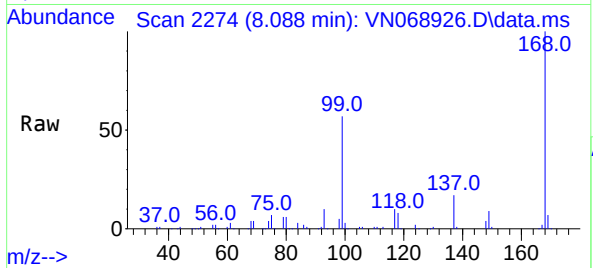




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

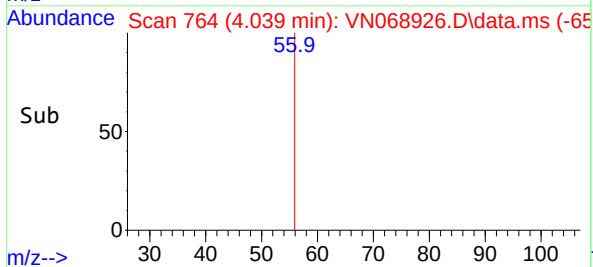
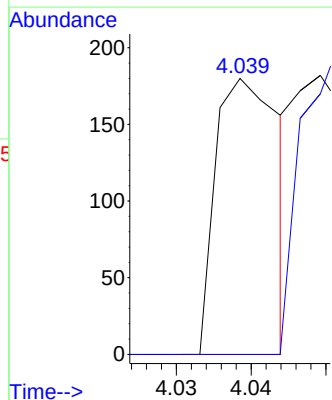
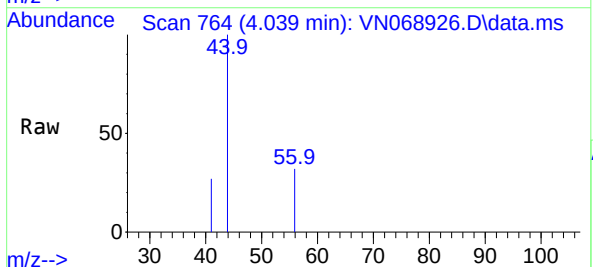
Instrument :
MSVOA_N
ClientSampled :

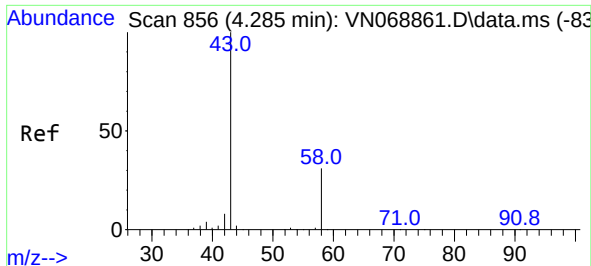
Tgt Ion:168 Resp: 383679
Ion Ratio Lower Upper
168 100
99 57.4 48.9 73.3



#13
Acrolein
Concen: 0.262 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 0.0 58.1 87.1#

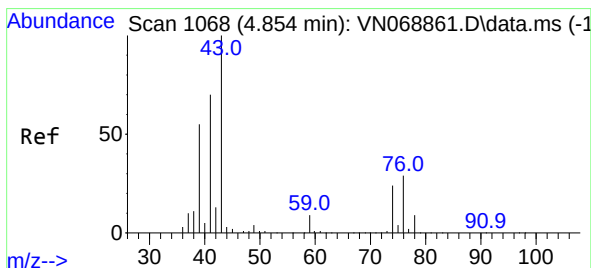
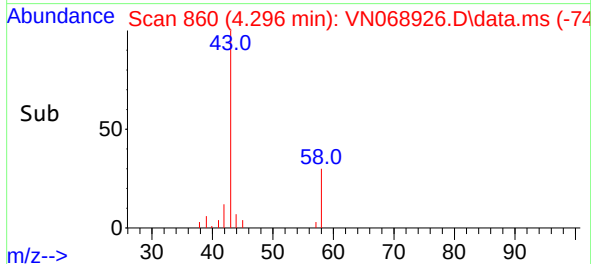
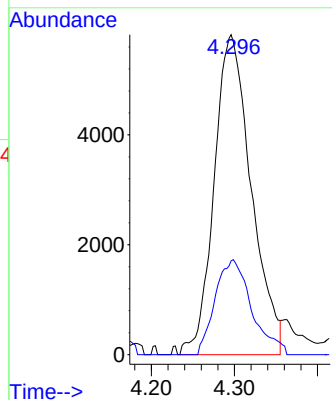
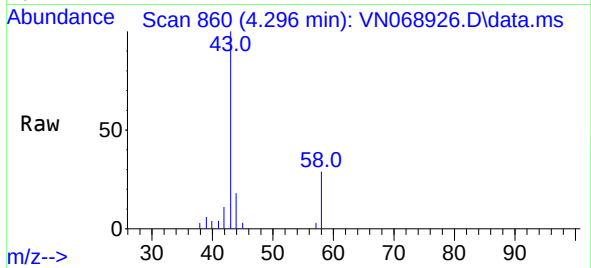




#16
Acetone
Concen: 9.565 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

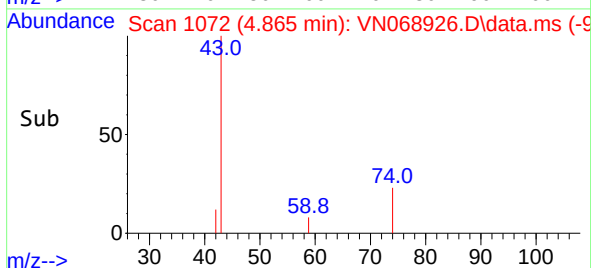
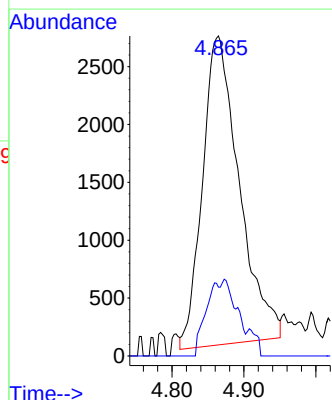
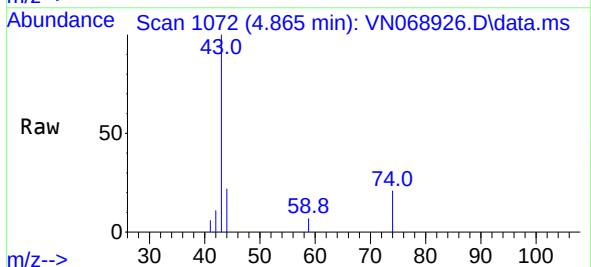
Instrument :
MSVOA_N
ClientSampled :

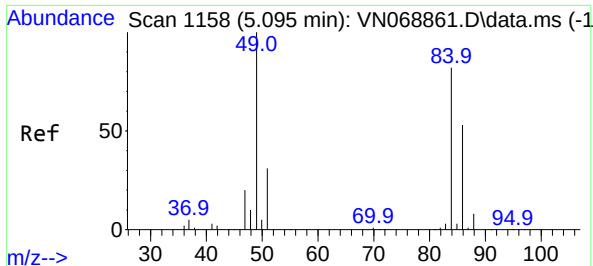
Tgt Ion: 43 Resp: 18057
Ion Ratio Lower Upper
43 100
58 29.3 24.5 36.7



#18
Methyl Acetate
Concen: 1.323 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 43 Resp: 9476
Ion Ratio Lower Upper
43 100
74 8.8 18.9 28.3#



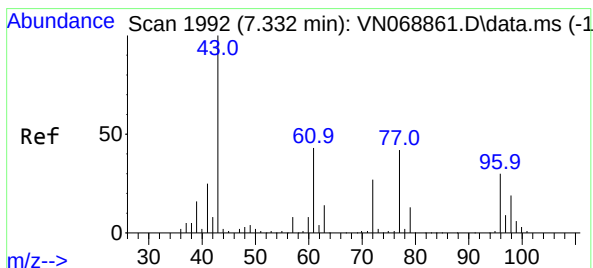
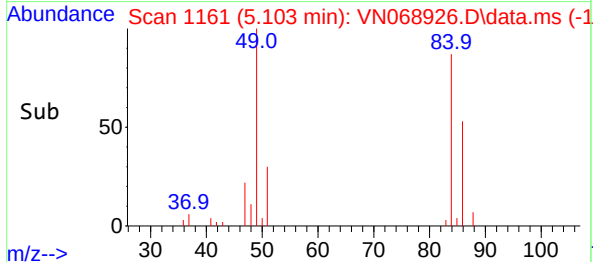
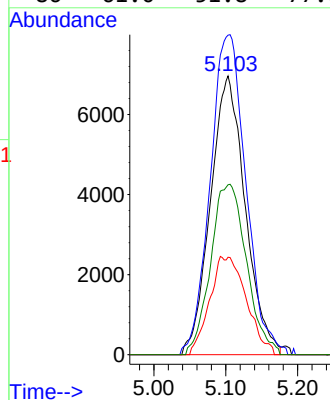
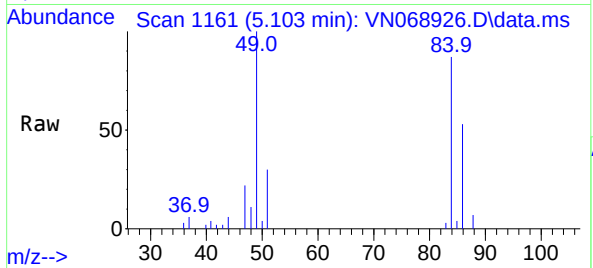


#20
Methylene Chloride
Concen: 5.388 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 23410

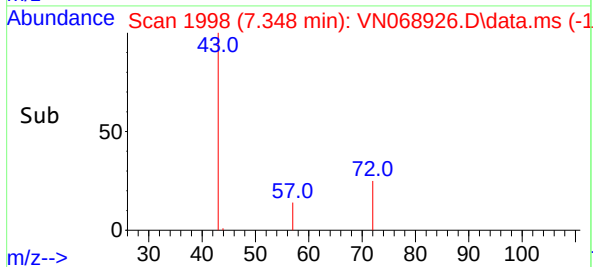
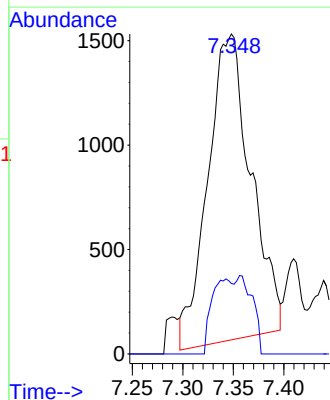
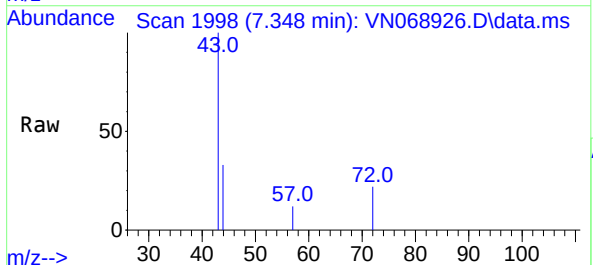
Ion	Ratio	Lower	Upper
84	100		
49	114.6	97.6	146.4
51	34.9	30.3	45.5
86	61.0	51.8	77.6

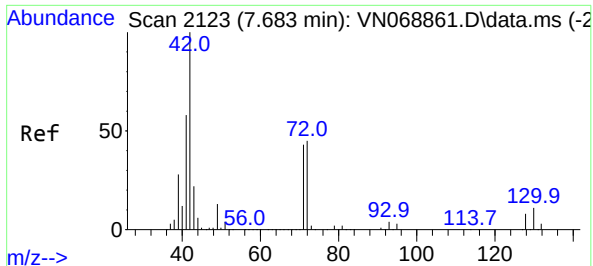


#25
2-Butanone
Concen: 1.526 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 43 Resp: 4355

Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.2	31.8

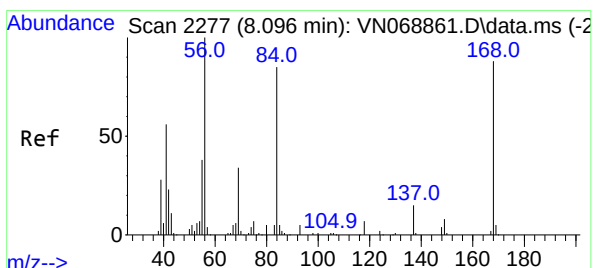
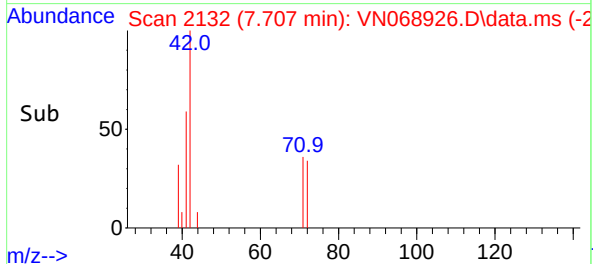
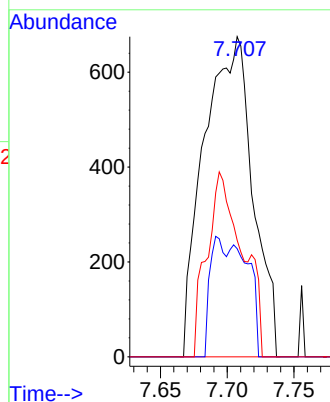
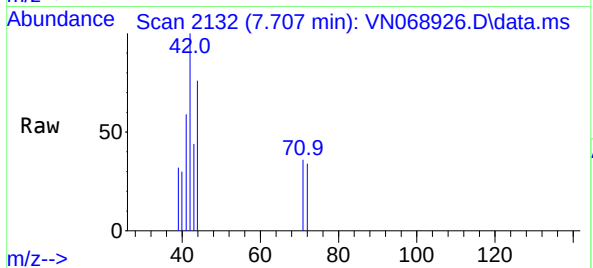




#29
Tetrahydrofuran
Concen: 0.927 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.024 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

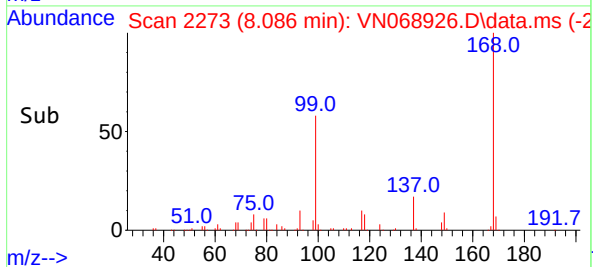
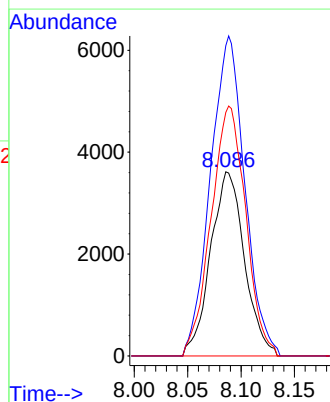
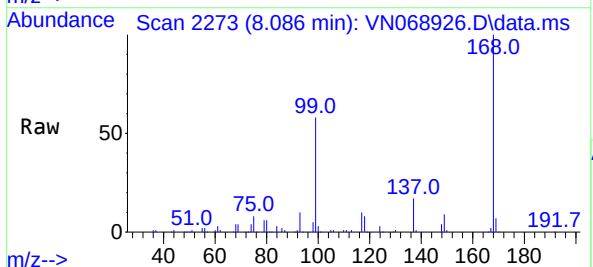
Instrument :
MSVOA_N
ClientSampled :

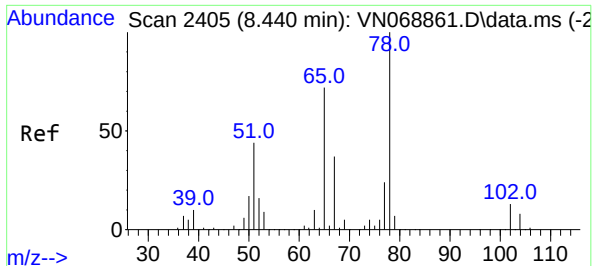
Tgt Ion: 42 Resp: 1716
Ion Ratio Lower Upper
42 100
72 12.3 35.4 53.2#
71 42.2 33.8 50.6



#31
Cyclohexane
Concen: 1.014 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 56 Resp: 7979
Ion Ratio Lower Upper
56 100
69 168.4 26.9 40.3#
84 132.2 67.6 101.4#

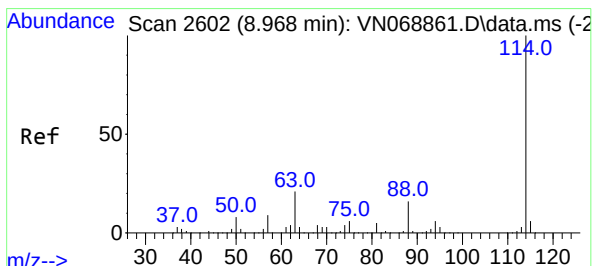
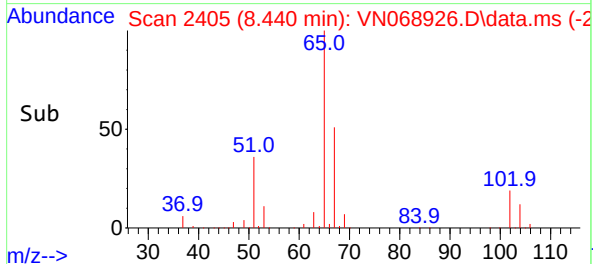
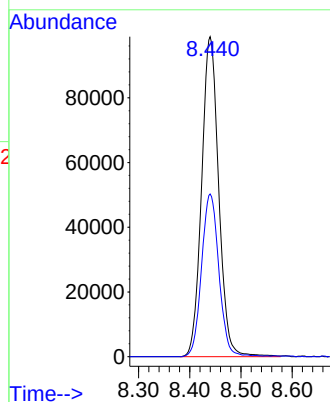
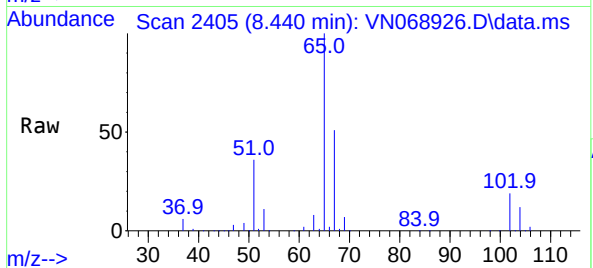




#33
1,2-Dichloroethane-d4
Concen: 45.368 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

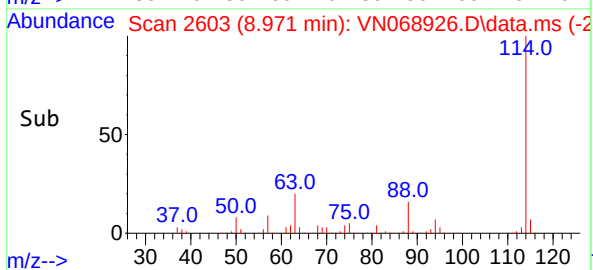
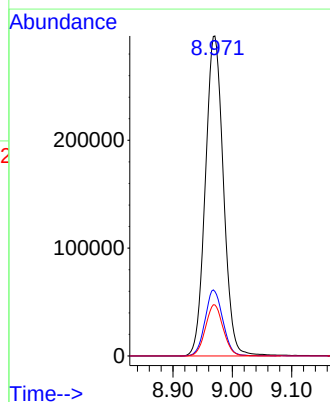
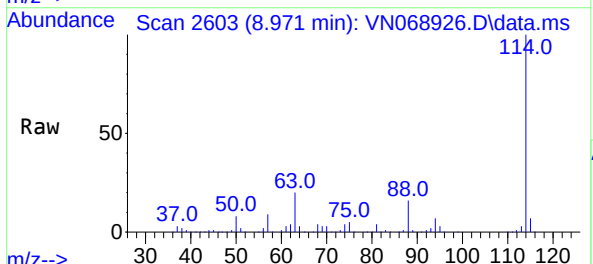
Instrument :
MSVOA_N
ClientSampled :

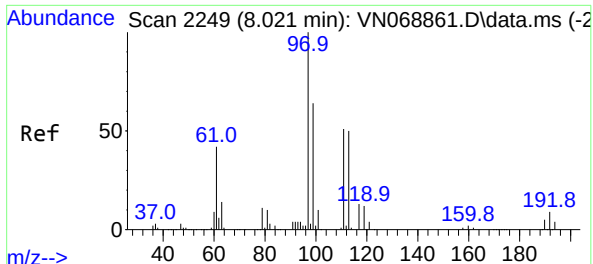
Tgt Ion: 65 Resp: 229502
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 114 Resp: 626814
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 16.0 0.0 32.0

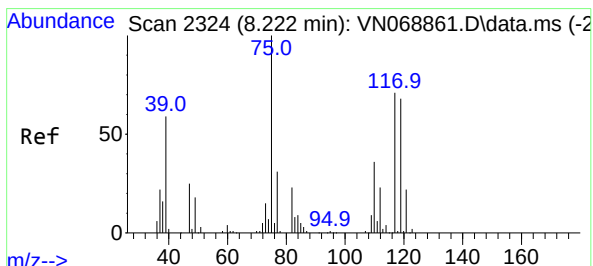
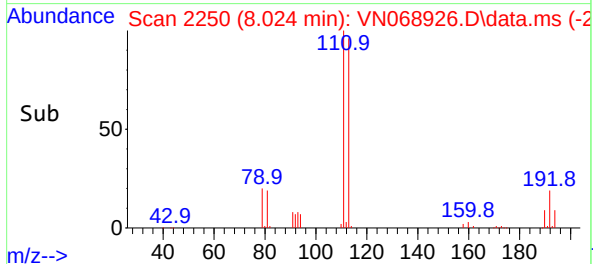
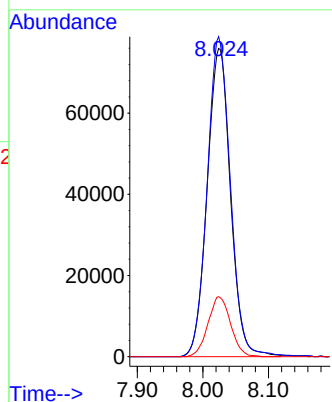
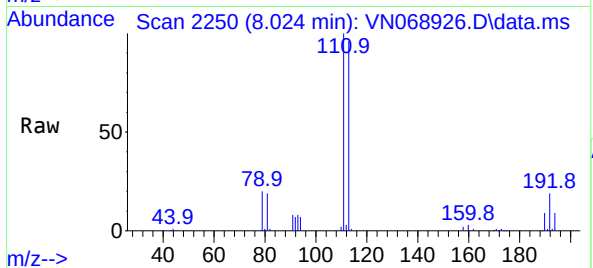




#35
Dibromofluoromethane
Concen: 51.395 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

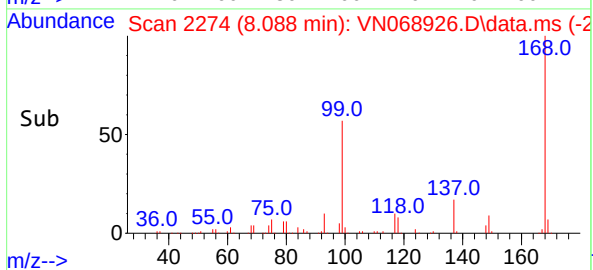
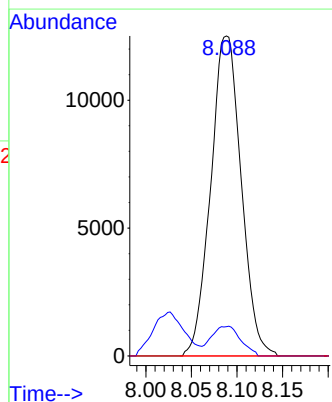
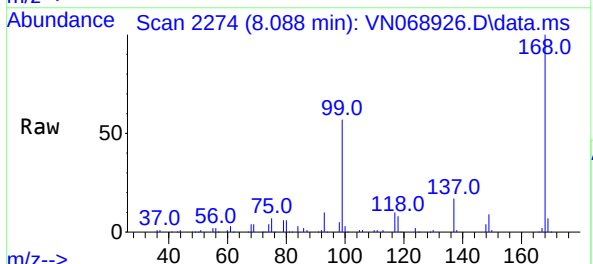
Instrument :
MSVOA_N
ClientSampled :

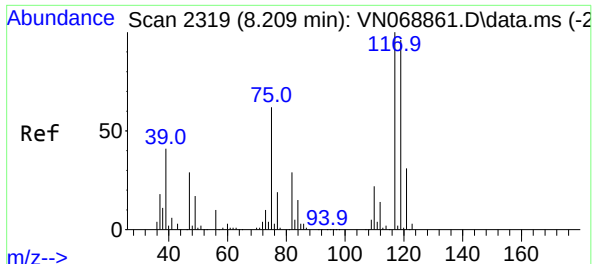
Tgt Ion:113 Resp: 187432
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 18.9 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.438 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

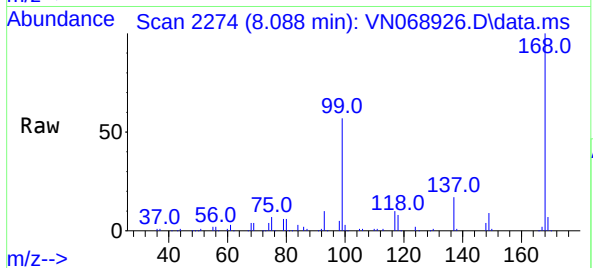
Tgt Ion: 75 Resp: 29113
Ion Ratio Lower Upper
75 100
110 8.9 17.9 53.8#
77 0.0 24.7 37.1#



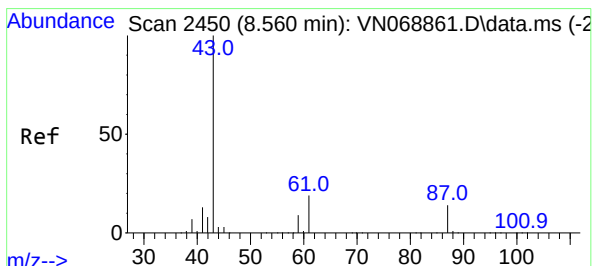
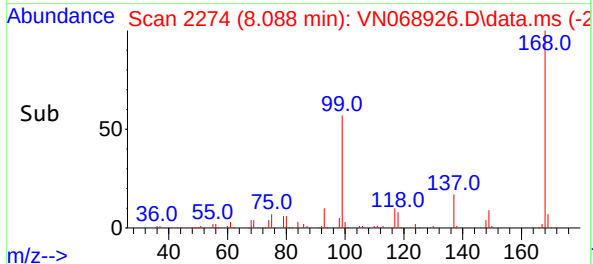
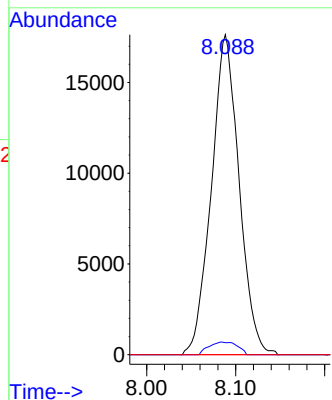


#38
Carbon Tetrachloride
Concen: 6.487 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Instrument :
MSVOA_N
ClientSampled :

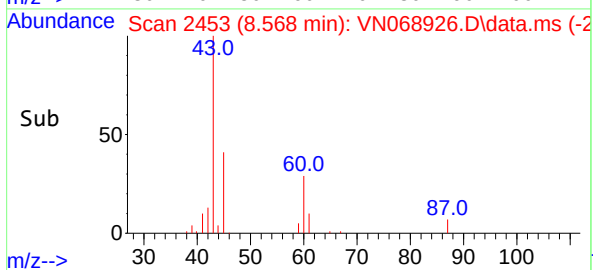
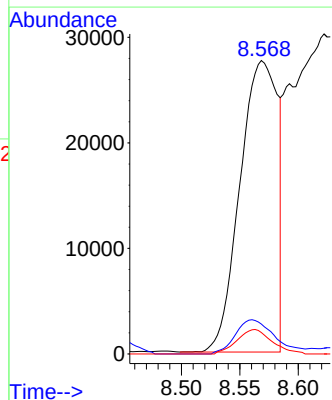
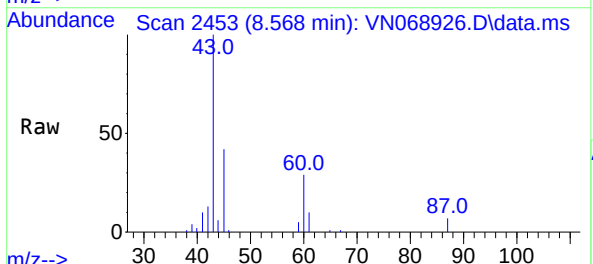


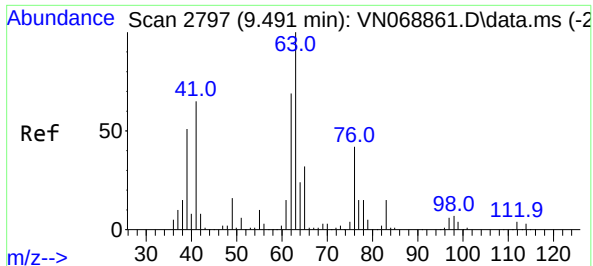
Tgt Ion:117 Resp: 38143
Ion Ratio Lower Upper
117 100
119 3.7 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 6.354 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 43 Resp: 61991
Ion Ratio Lower Upper
43 100
61 12.3 20.4 30.6#
87 7.8 10.7 16.1#

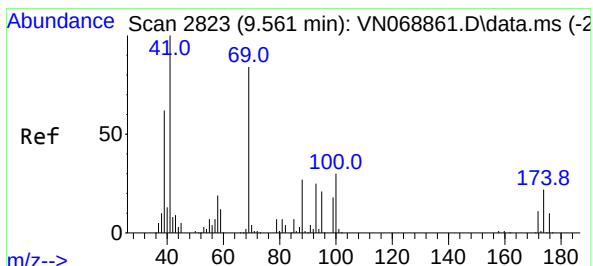
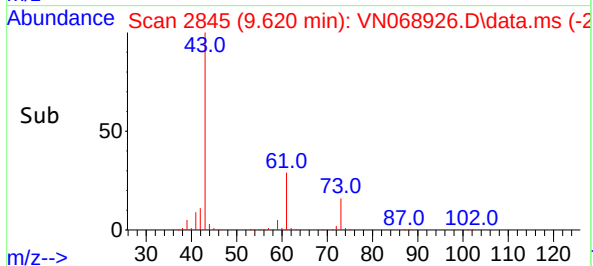
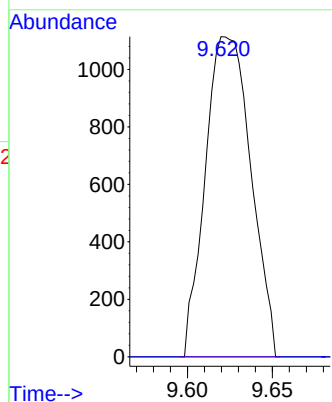
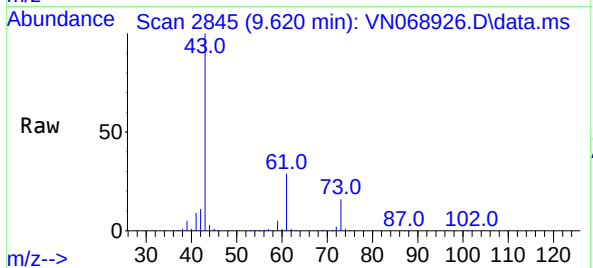




#45
1,2-Dichloropropane
Concen: 0.493 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

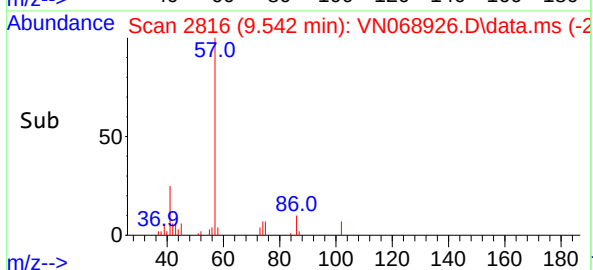
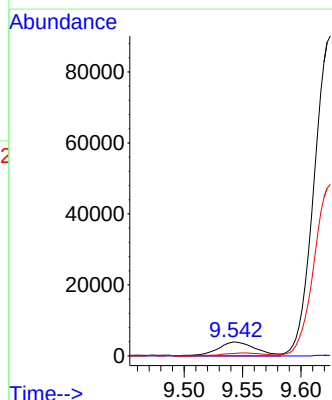
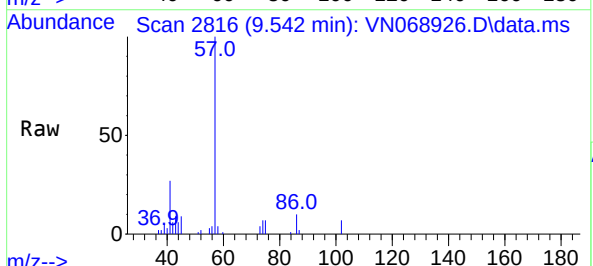
Instrument :
MSVOA_N
ClientSampled :

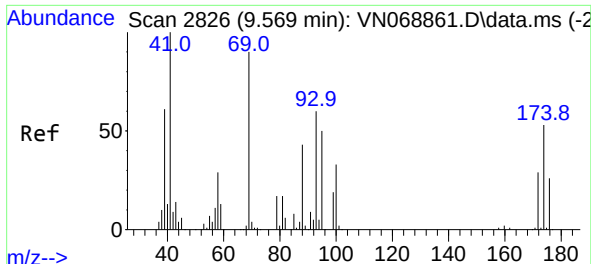
Tgt Ion: 63 Resp: 2085
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.930 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 41 Resp: 8848
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

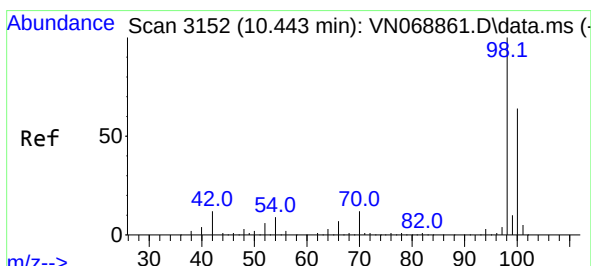
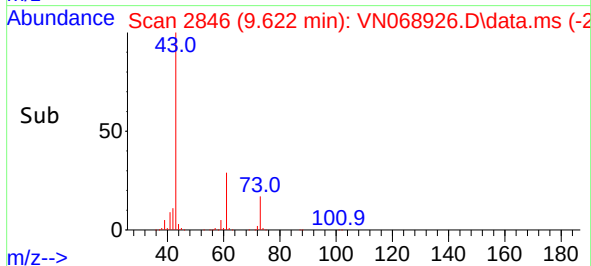
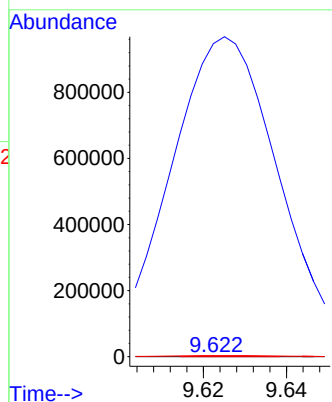
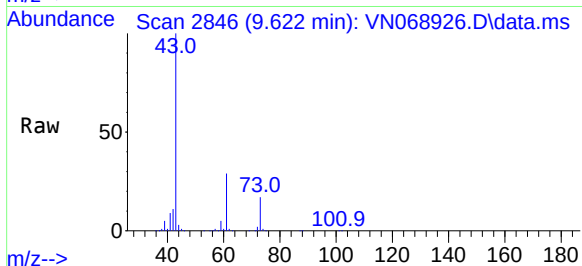




#49
1,4-Dioxane
Concen: 37.868 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

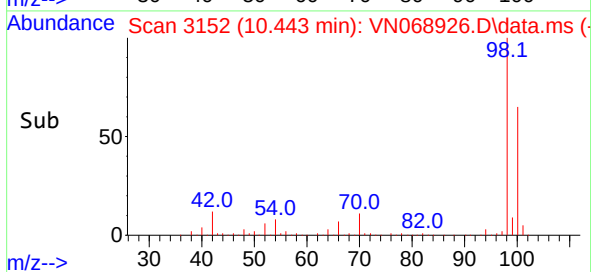
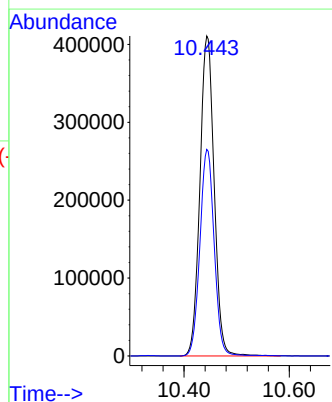
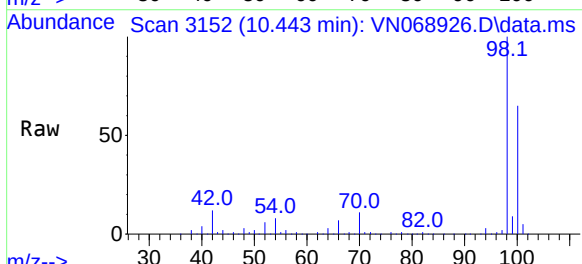
Instrument :
MSVOA_N
ClientSampled :

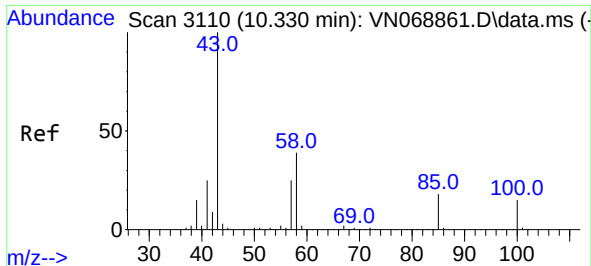
Tgt Ion: 88 Resp: 207
Ion Ratio Lower Upper
88 100
43 896468.6 24.9 37.3#
58 3337.7 56.9 85.3#



#50
Toluene-d8
Concen: 52.878 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 98 Resp: 771573
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3

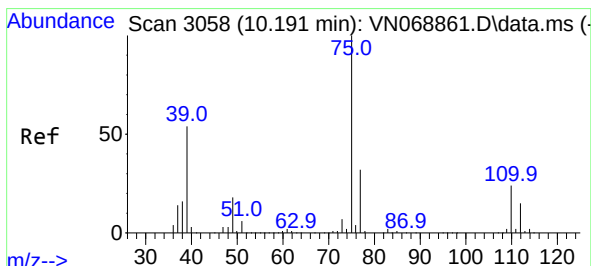
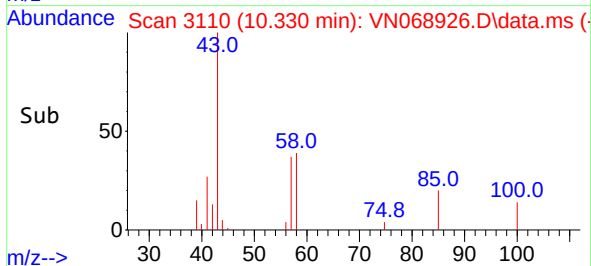
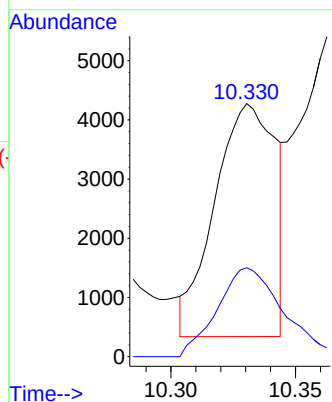
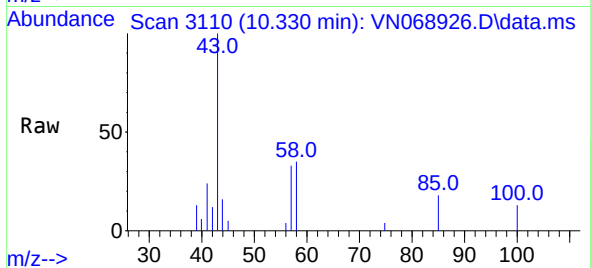




#51
4-Methyl-2-Pentanone
Concen: 1.177 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

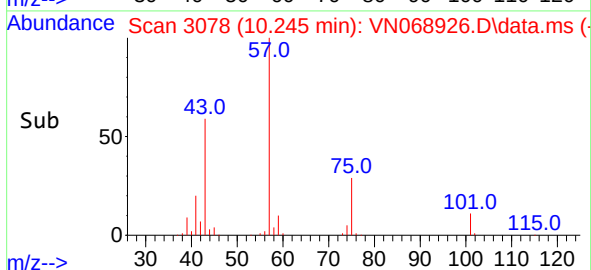
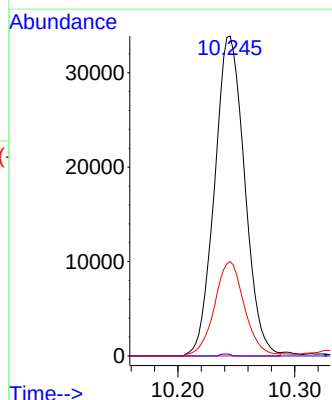
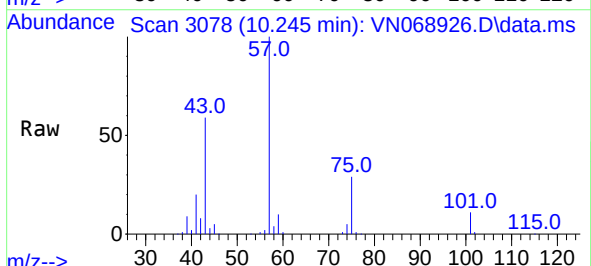
Instrument :
MSVOA_N
ClientSampled :

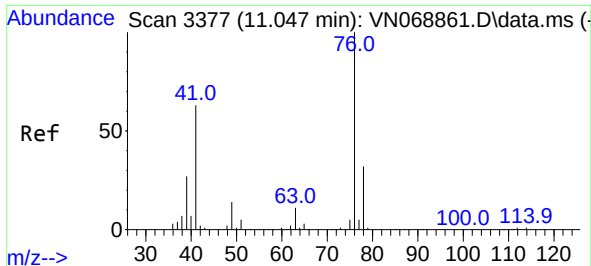
Tgt Ion: 43 Resp: 6661
Ion Ratio Lower Upper
43 100
58 40.9 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 8.573 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 75 Resp: 60461
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 29.5 42.9 64.3#

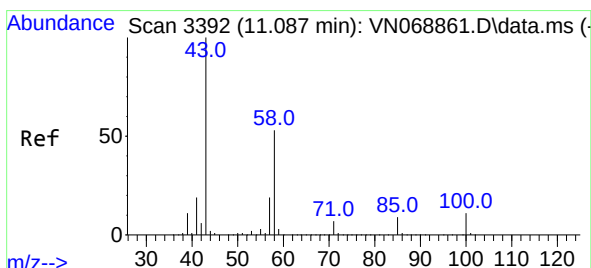
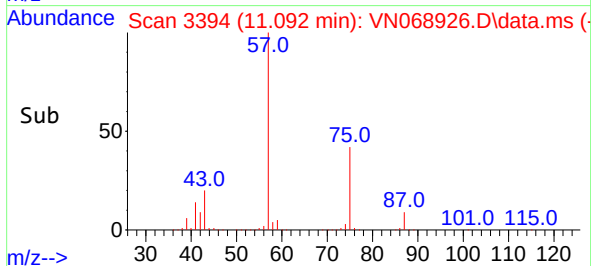
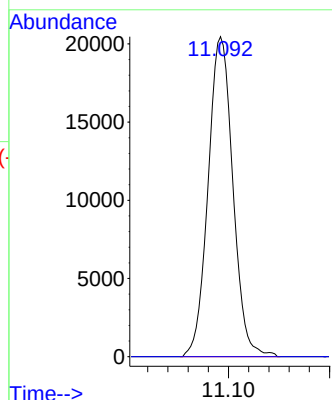
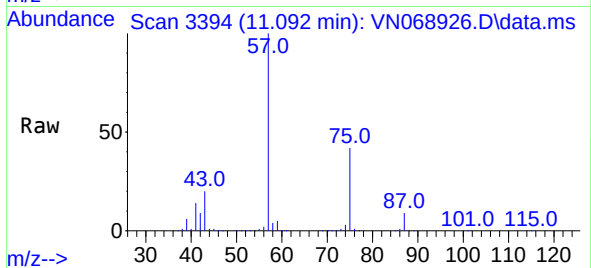




#57
1,3-Dichloropropane
Concen: 5.117 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

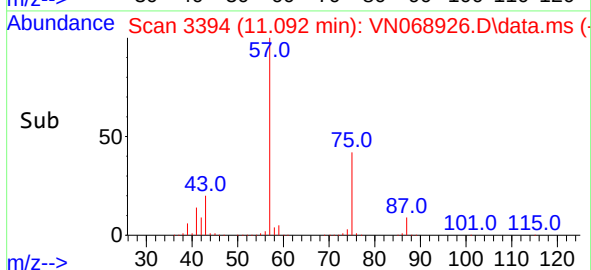
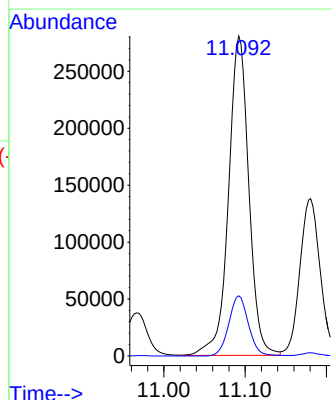
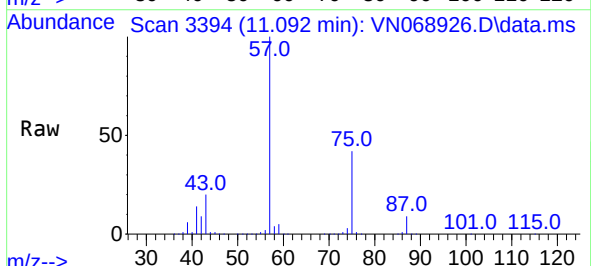
Instrument :
MSVOA_N
ClientSampled :

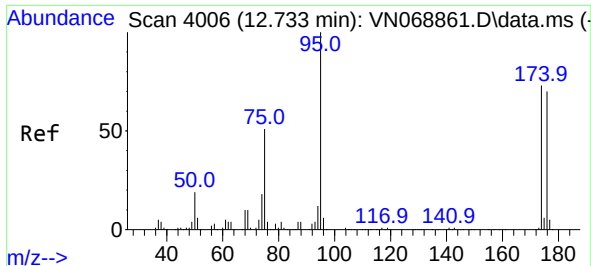
Tgt Ion: 76 Resp: 34895
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 120.293 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 43 Resp: 488017
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#

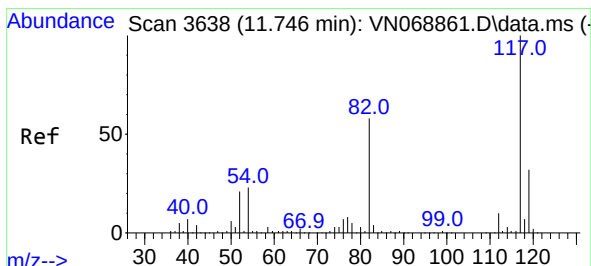
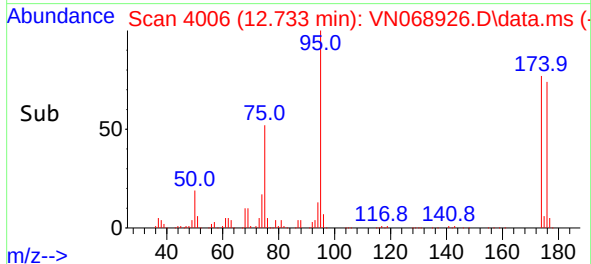
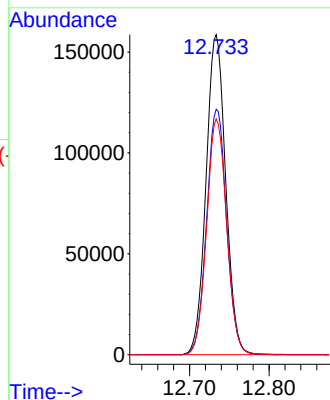
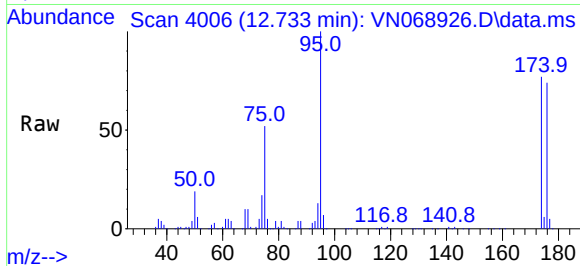




#62
4-Bromofluorobenzene
Concen: 49.558 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

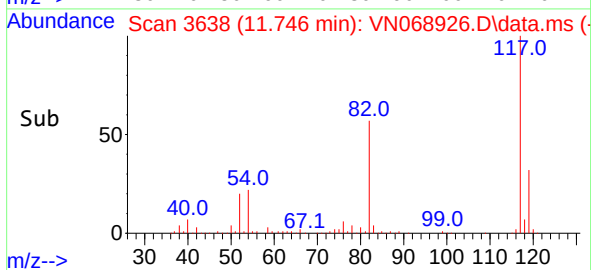
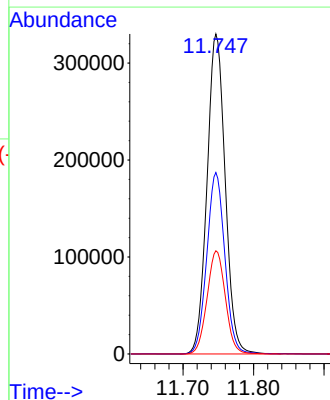
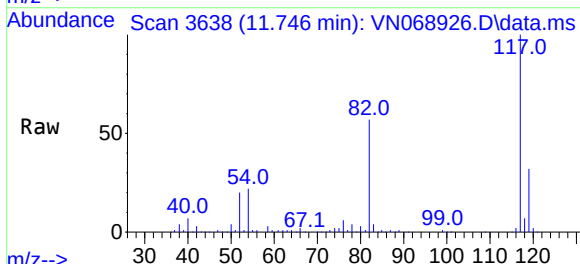
Instrument :
MSVOA_N
ClientSampled :

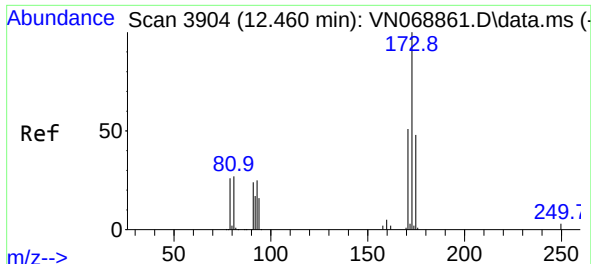
Tgt Ion: 95 Resp: 272828
Ion Ratio Lower Upper
95 100
174 77.9 0.0 144.8
176 74.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion: 117 Resp: 590862
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 32.2 26.0 39.0

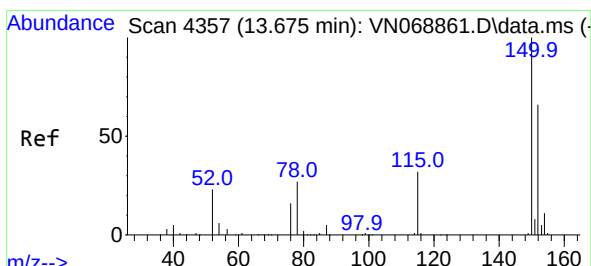
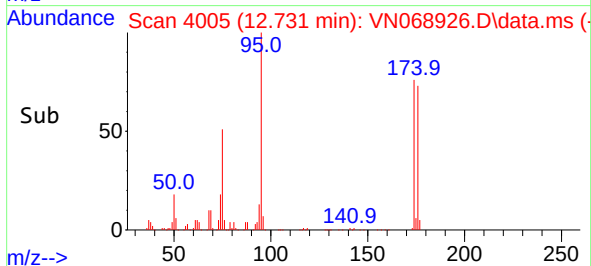
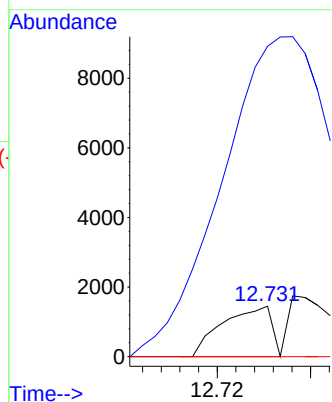
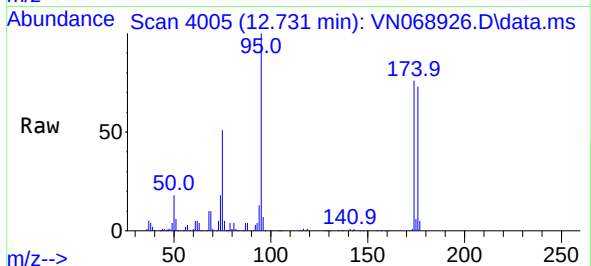




#71
Bromoform
Concen: 0.301 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

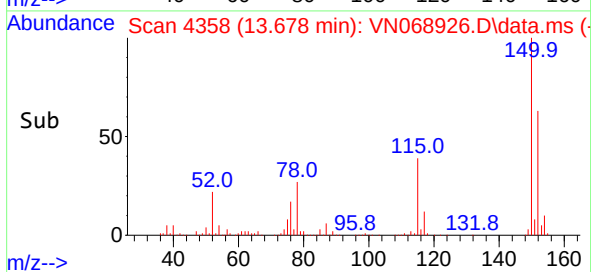
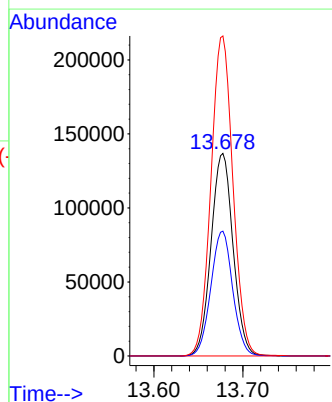
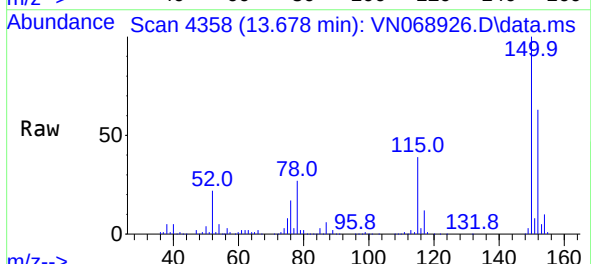
Instrument :
MSVOA_N
ClientSampled :

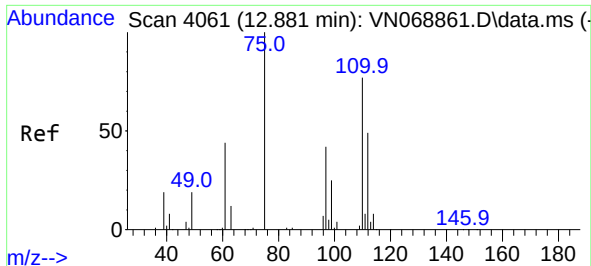
Tgt Ion:173 Resp: 1056
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Tgt Ion:152 Resp: 235491
Ion Ratio Lower Upper
152 100
115 61.2 31.4 94.3
150 157.7 0.0 351.0

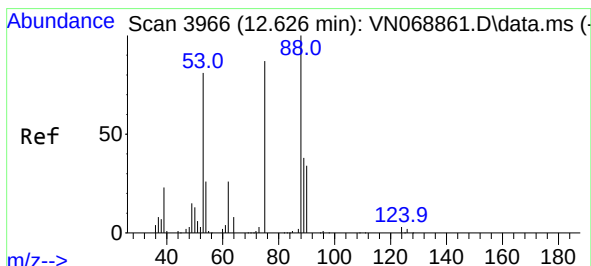
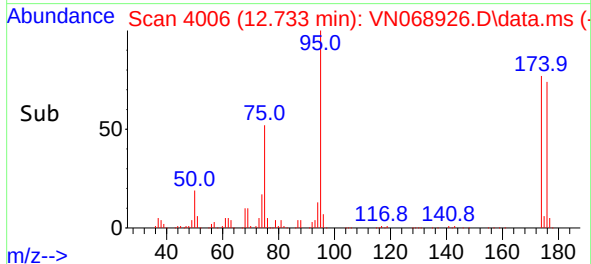
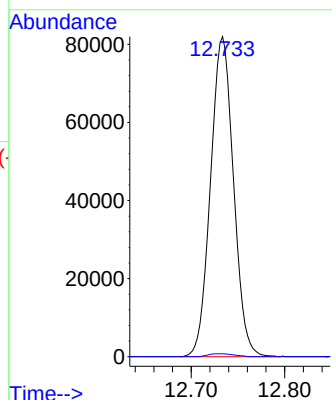
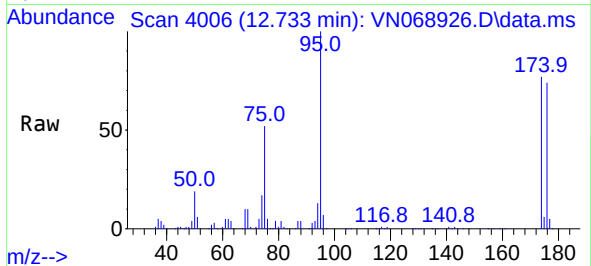




#76
1,2,3-Trichloropropane
Concen: 27.967 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

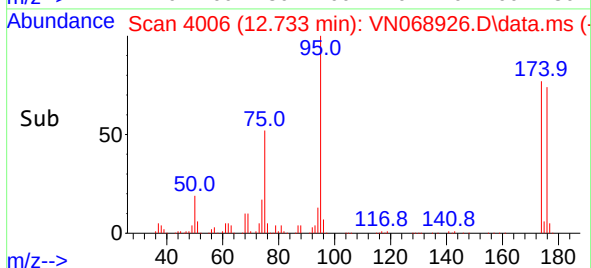
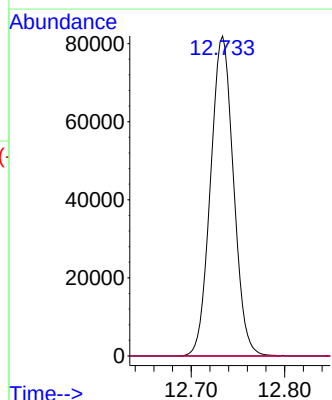
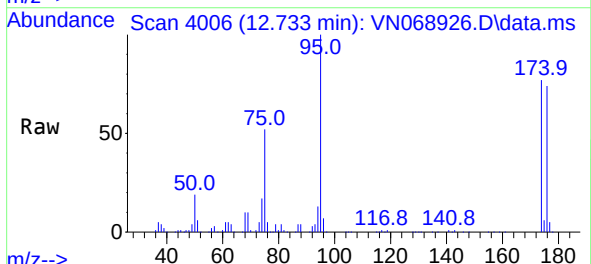
Instrument :
MSVOA_N
ClientSampled :

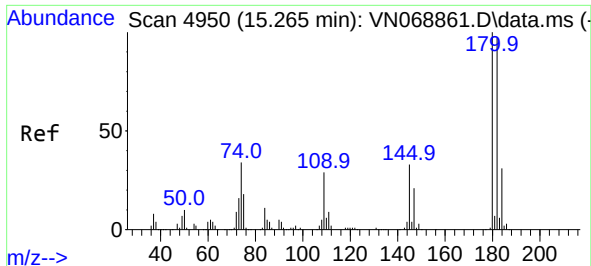
Tgt Ion: 75 Resp: 140133
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.910 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

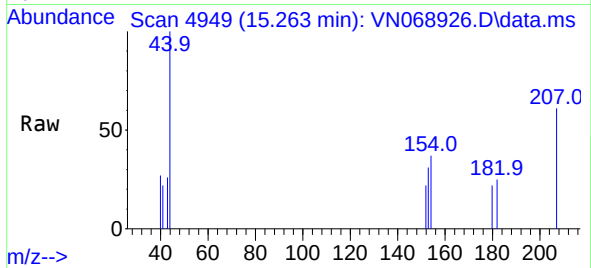
Tgt Ion: 75 Resp: 140133
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



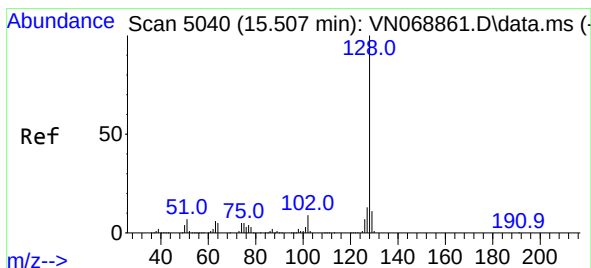
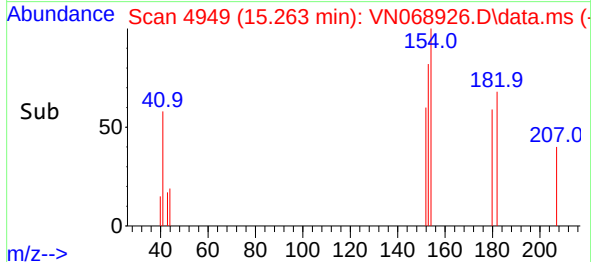
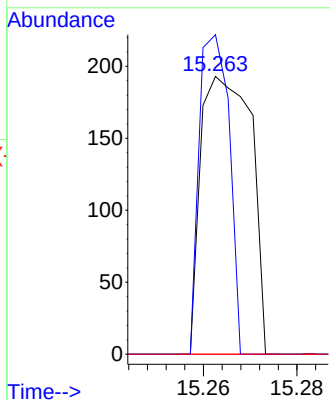


#93
1,2,4-Trichlorobenzene
Concen: 2.636 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

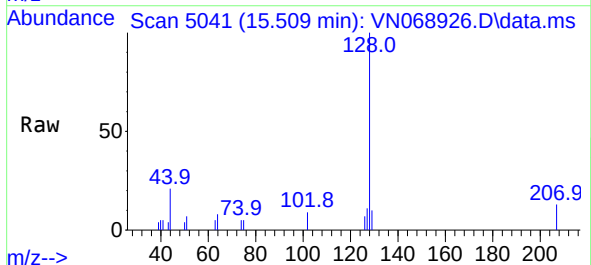
Instrument :
MSVOA_N
ClientSampled :



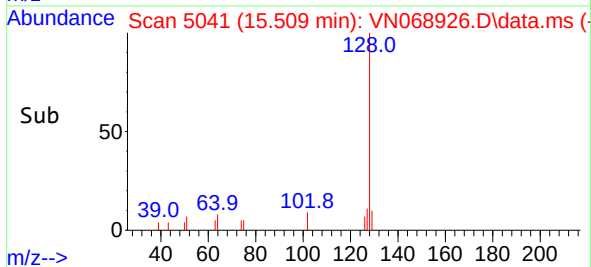
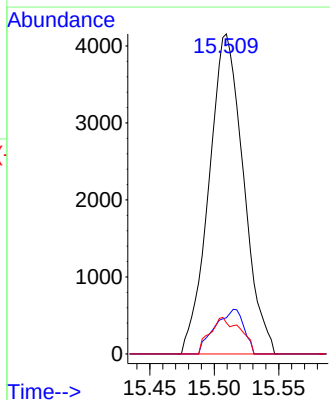
Tgt Ion:180 Resp: 144
Ion Ratio Lower Upper
180 100
182 68.8 47.9 143.7
145 0.0 16.4 49.2#

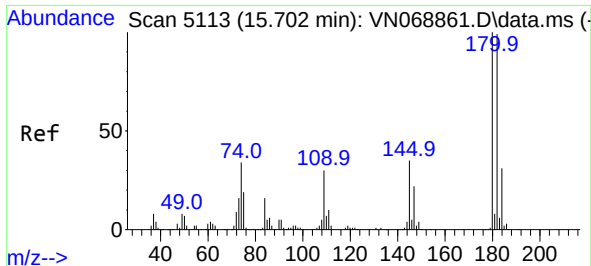


#95
Naphthalene
Concen: 4.465 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50



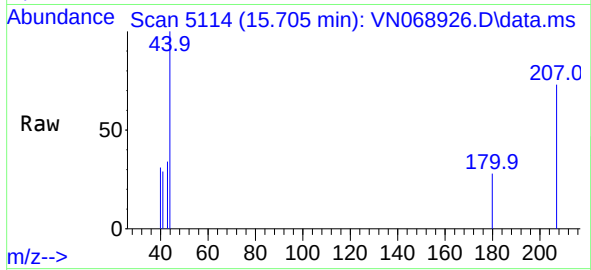
Tgt Ion:128 Resp: 7730
Ion Ratio Lower Upper
128 100
127 11.6 10.5 15.7
129 10.0 8.9 13.3





#96
1,2,3-Trichlorobenzene
Concen: 2.564 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068926.D
Acq: 14 Oct 2021 15:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	180	Resp:	200
Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	17.4	52.2#

