

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069007.D
 Acq On : 19 Oct 2021 3:44
 Operator : JC/MD
 Sample : M4242-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 09:59:52 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

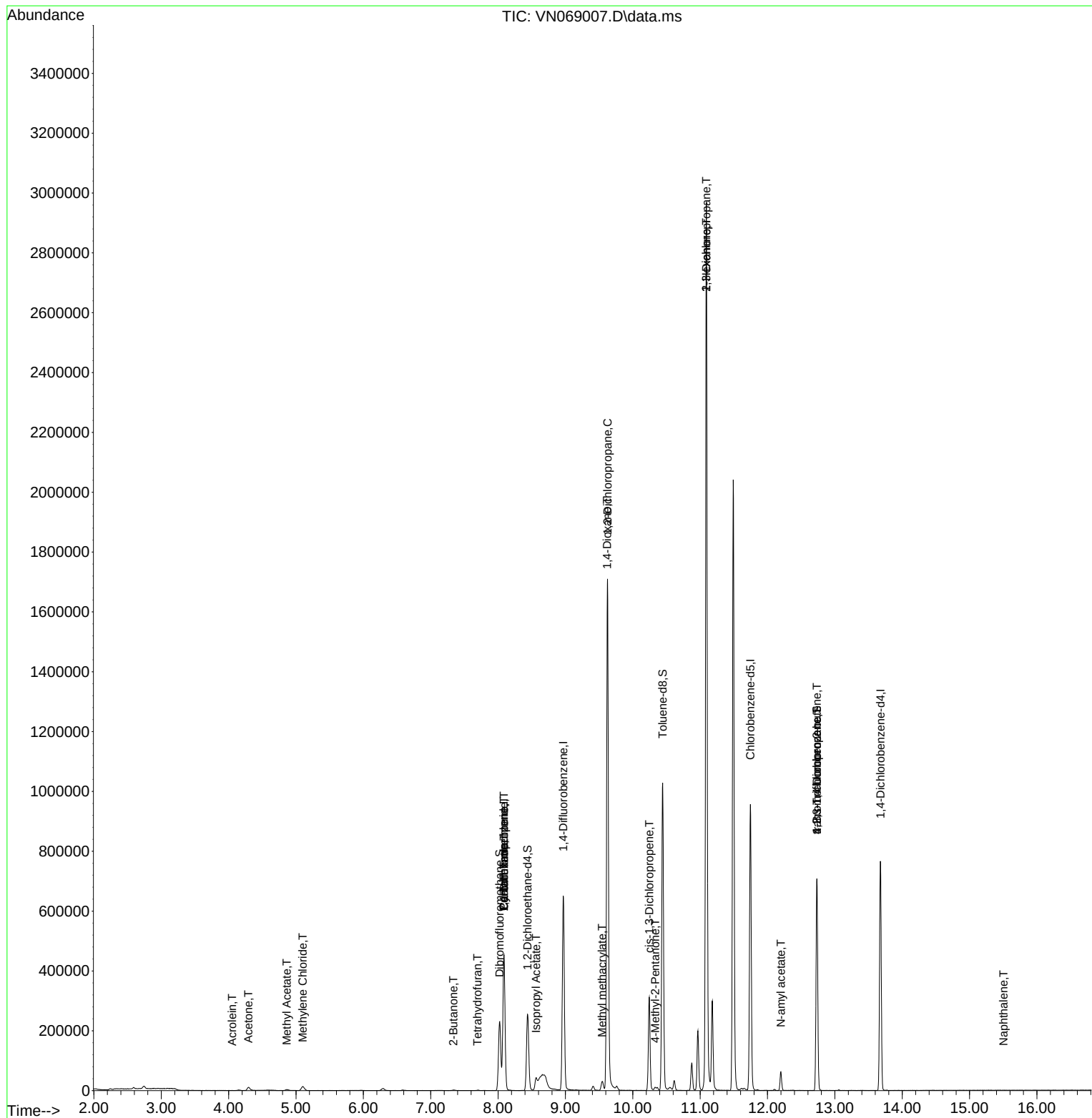
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	339330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	586220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	560879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	207090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	221457	49.499	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.000%
35) Dibromofluoromethane	8.021	113	174336	51.115	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.220%
50) Toluene-d8	10.443	98	731987	53.638	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.280%
62) 4-Bromofluorobenzene	12.734	95	259807	50.460	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.920%
Target Compounds						
					Qvalue	
13) Acrolein	4.052	56	115	0.318	ug/l #	13
16) Acetone	4.293	43	20701	12.399	ug/l	99
18) Methyl Acetate	4.865	43	8065	1.274	ug/l	93
20) Methylene Chloride	5.098	84	11641	3.029	ug/l	96
25) 2-Butanone	7.337	43	1862	0.738	ug/l	96
29) Tetrahydrofuran	7.694	42	589	0.360	ug/l #	69
31) Cyclohexane	8.088	56	7610	1.094	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	27722	5.536	ug/l #	49
38) Carbon Tetrachloride	8.088	117	35081	6.379	ug/l #	15
43) Isopropyl Acetate	8.563	43	51871	5.685	ug/l #	81
45) 1,2-Dichloropropane	9.625	63	2150	0.543	ug/l #	43
48) Methyl methacrylate	9.545	41	7710	1.798	ug/l #	13
49) 1,4-Dioxane	9.620	88	51	36.222	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	7288	1.377	ug/l	98
54) cis-1,3-Dichloropropene	10.245	75	59500	9.021	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	31495	4.938	ug/l #	42
59) 2-Hexanone	11.092	43	449979	118.597	ug/l #	50
74) N-amyl acetate	12.197	43	20109	3.079	ug/l #	53
76) 1,2,3-Trichloropropane	12.734	75	135779	30.815	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	135779	73.723	ug/l #	12
95) Naphthalene	15.504	128	499	3.860	ug/l #	69

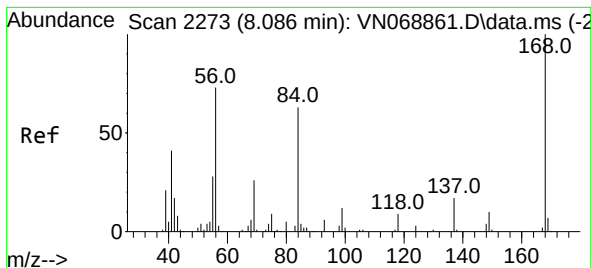
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
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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: VN069007.D

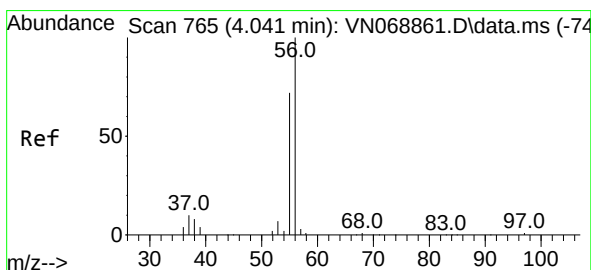
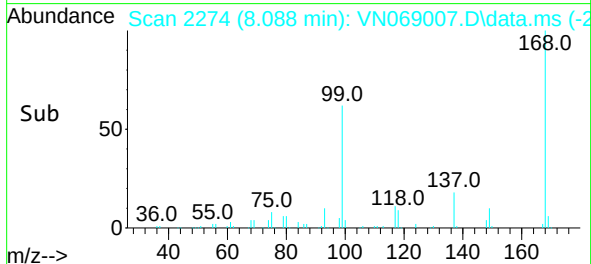
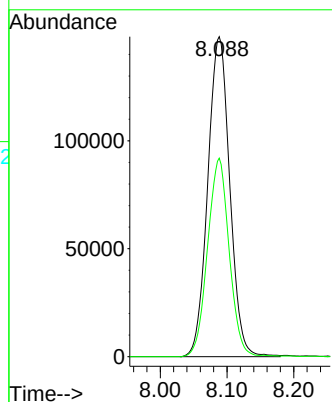
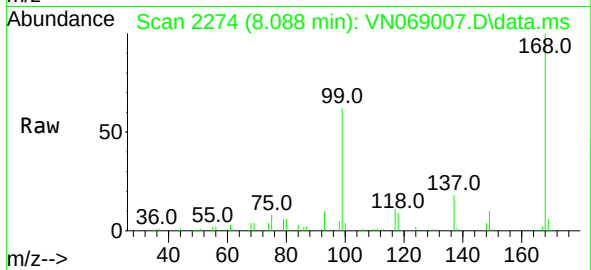
Acq: 19 Oct 2021 3:44

Tgt Ion:168 Resp: 339330

Ion Ratio Lower Upper

168 100

99 62.0 48.9 73.3



#13

Acrolein

Concen: 0.318 ug/l

RT: 4.052 min Scan# 769

Delta R.T. 0.011 min

Lab File: VN069007.D

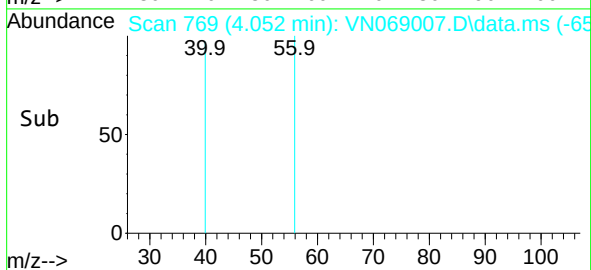
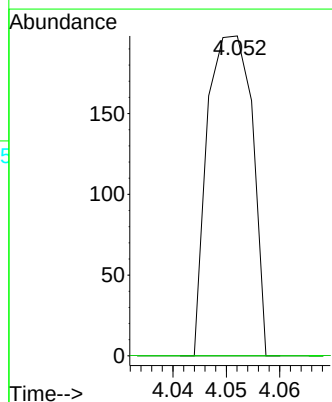
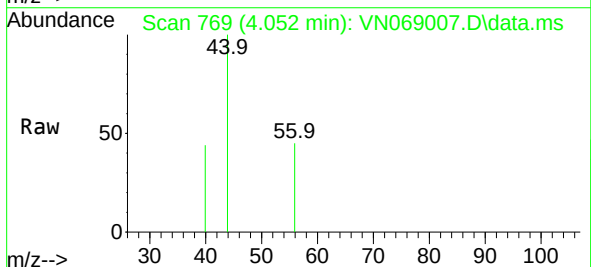
Acq: 19 Oct 2021 3:44

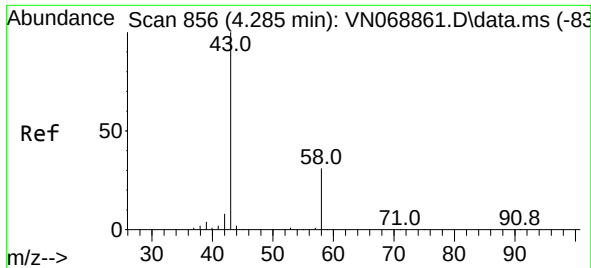
Tgt Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 0.0 58.1 87.1#

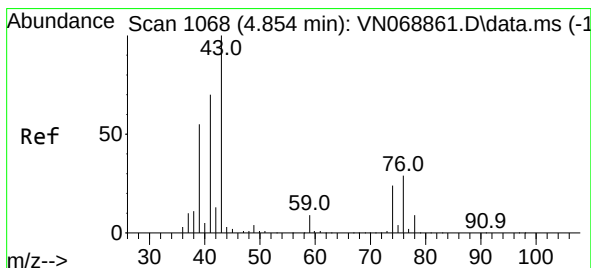
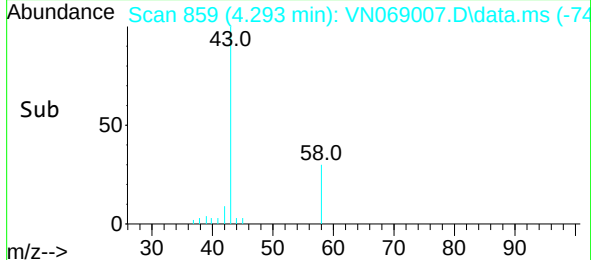
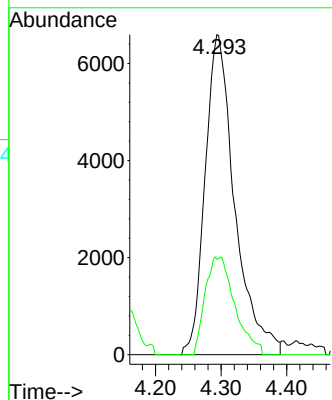
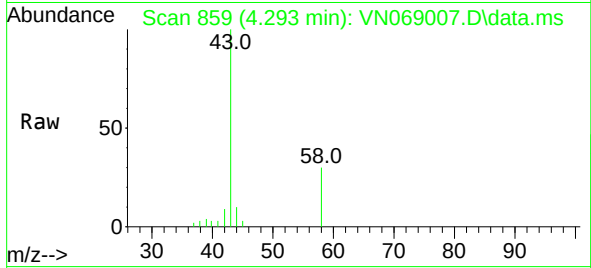




#16
Acetone
Concen: 12.399 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

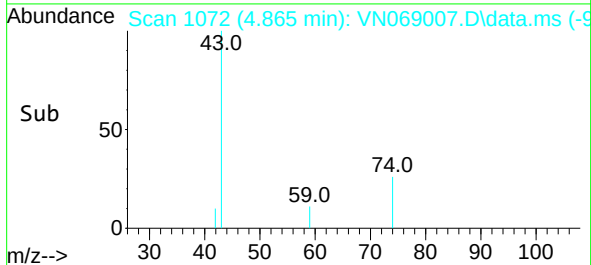
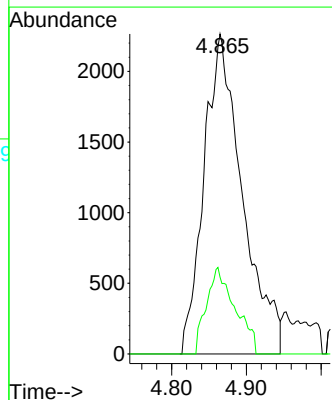
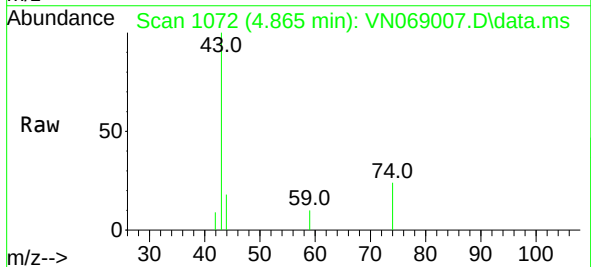
Instrument :
MSVOA_N
ClientSampled :

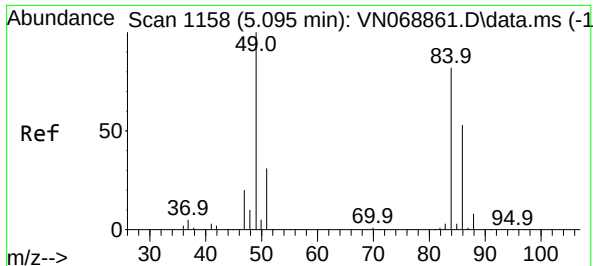
Tgt Ion: 43 Resp: 20701
Ion Ratio Lower Upper
43 100
58 29.9 24.5 36.7



#18
Methyl Acetate
Concen: 1.274 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

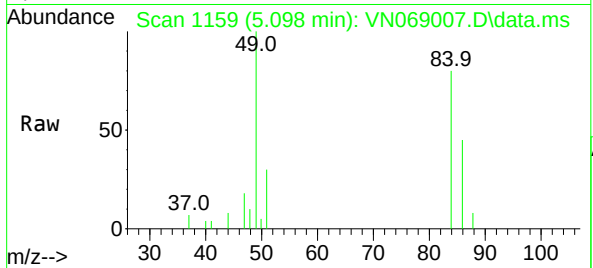
Tgt Ion: 43 Resp: 8065
Ion Ratio Lower Upper
43 100
74 20.2 18.9 28.3



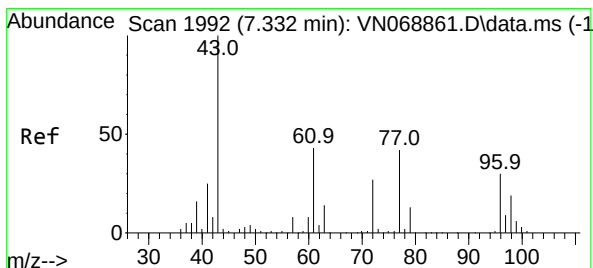
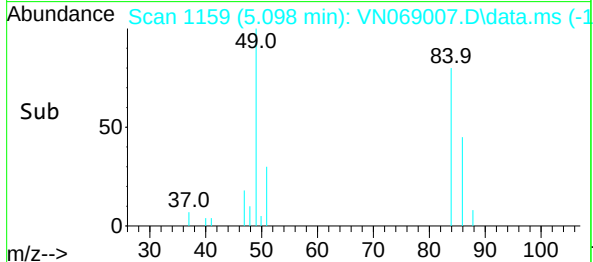
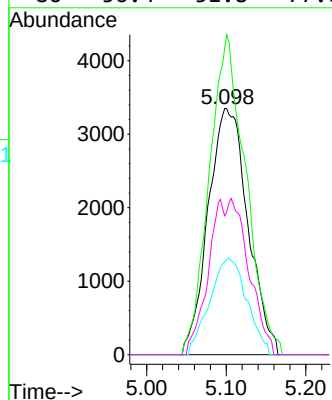


#20
Methylene Chloride
Concen: 3.029 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

Instrument :
MSVOA_N
ClientSampled :

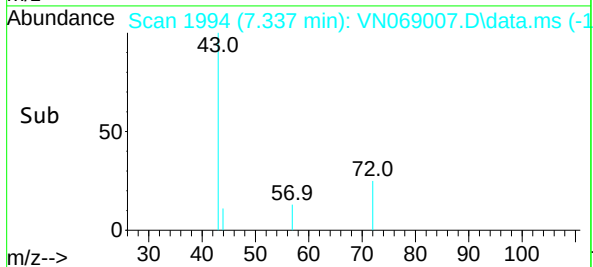
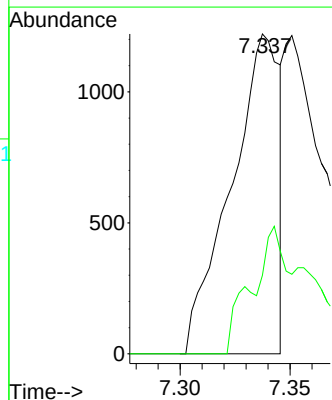
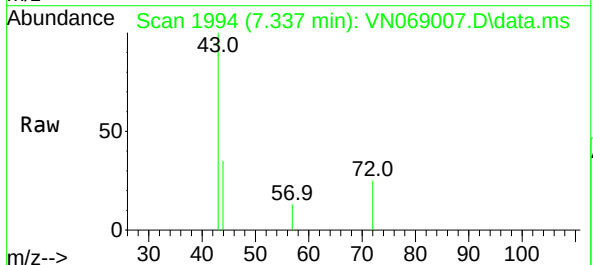


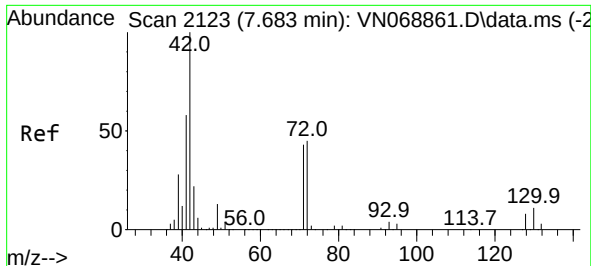
Tgt Ion:	84	Resp:	11641
Ion	Ratio	Lower	Upper
84	100		
49	124.5	97.6	146.4
51	37.6	30.3	45.5
86	56.4	51.8	77.6



#25
2-Butanone
Concen: 0.738 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

Tgt Ion:	43	Resp:	1862
Ion	Ratio	Lower	Upper
43	100		
72	24.6	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.360 ug/l

RT: 7.694 min Scan# 2127

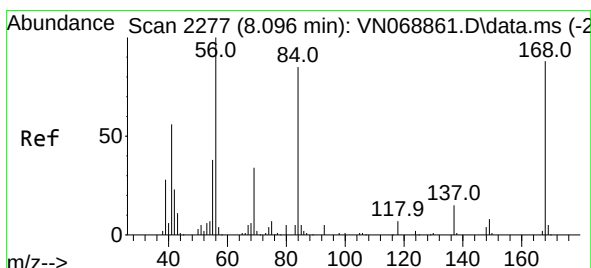
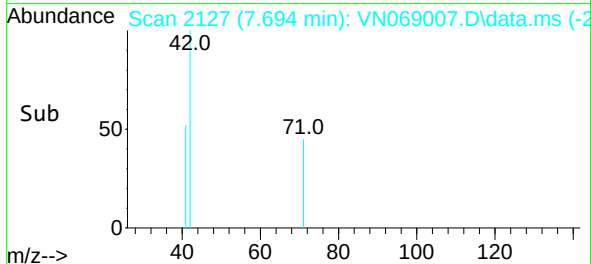
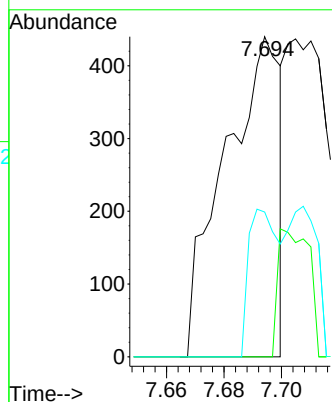
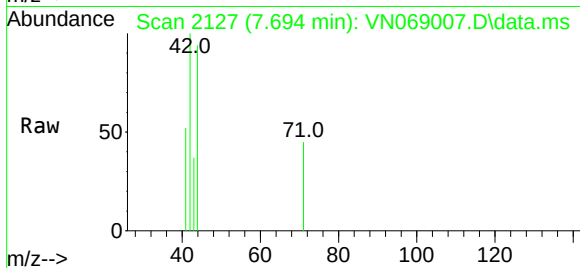
Delta R.T. 0.011 min

Lab File: VN069007.D

Acq: 19 Oct 2021 3:44

Tgt Ion:	42	Resp:	589
Ion	Ratio	Lower	Upper
42	100		
72	22.2	35.4	53.2#
71	24.6	33.8	50.6#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.094 ug/l

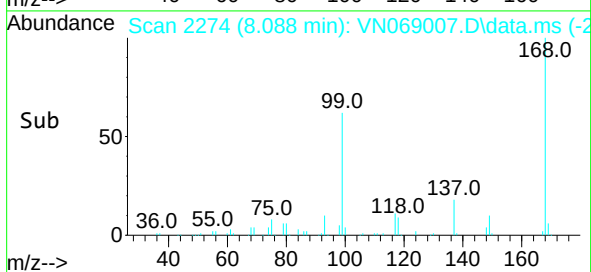
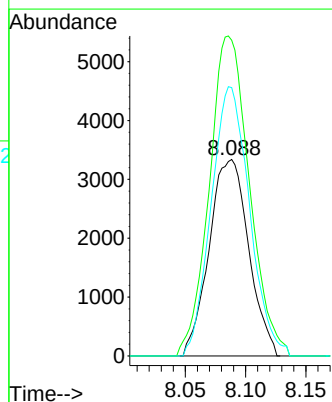
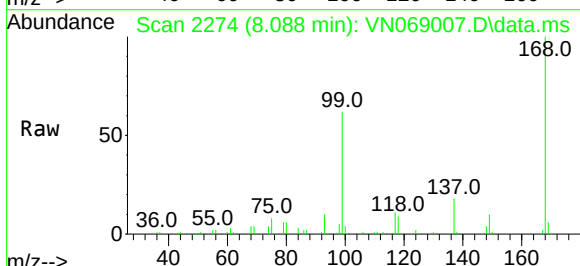
RT: 8.088 min Scan# 2274

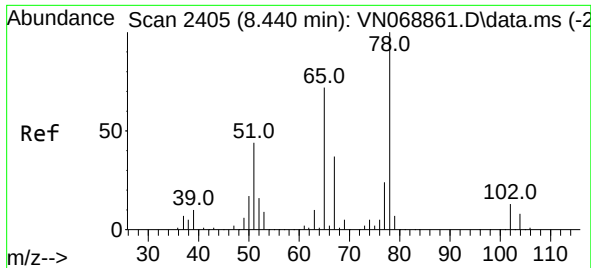
Delta R.T. -0.008 min

Lab File: VN069007.D

Acq: 19 Oct 2021 3:44

Tgt Ion:	56	Resp:	7610
Ion	Ratio	Lower	Upper
56	100		
69	156.2	26.9	40.3#
84	136.6	67.6	101.4#

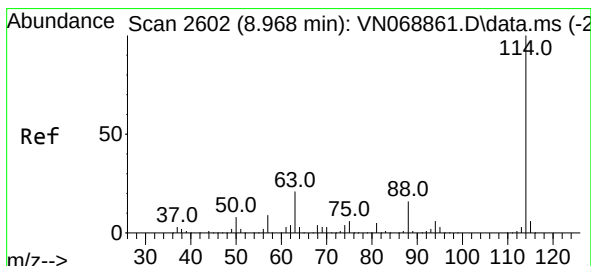
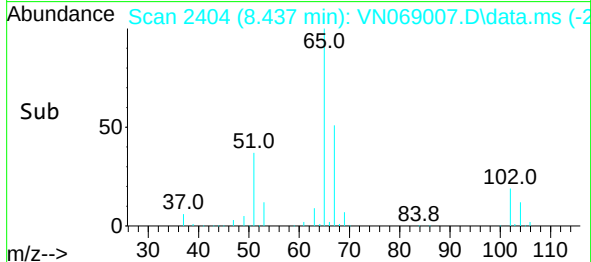
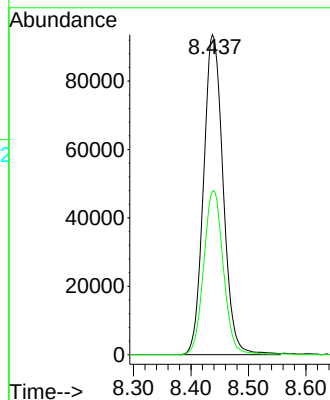
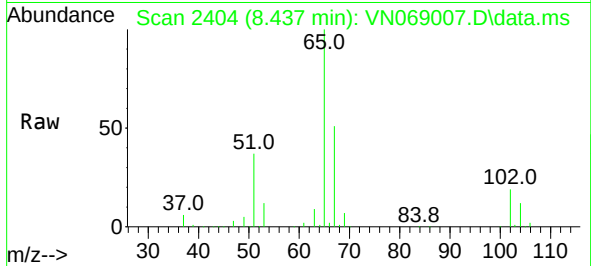




#33
 1,2-Dichloroethane-d4
 Concen: 49.499 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. -0.003 min
 Lab File: VN069007.D
 Acq: 19 Oct 2021 3:44

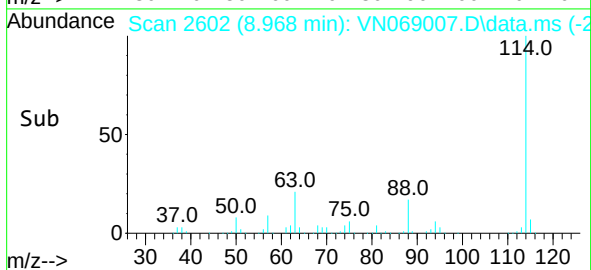
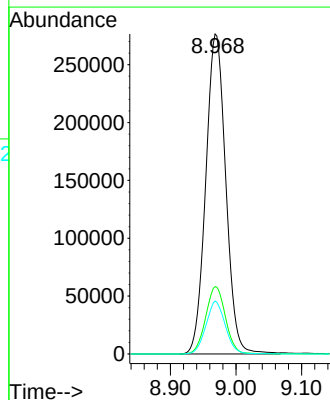
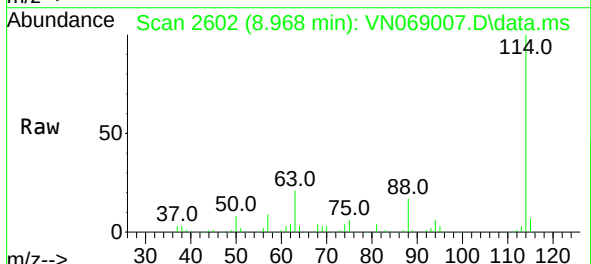
Instrument :
 MSVOA_N
 ClientSampled :

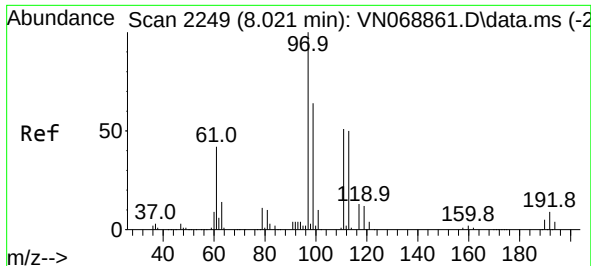
Tgt Ion: 65 Resp: 221457
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN069007.D
 Acq: 19 Oct 2021 3:44

Tgt Ion: 114 Resp: 586220
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.6
 88 16.5 0.0 32.0

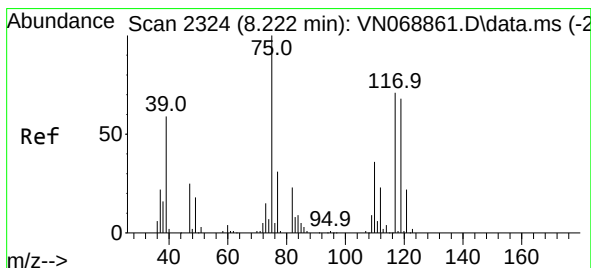
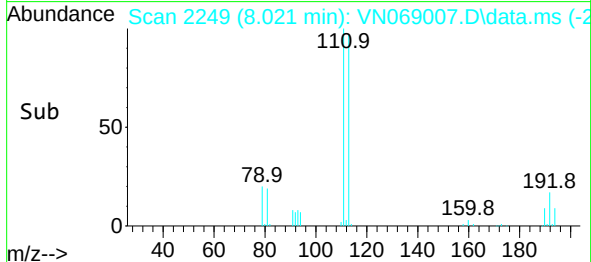
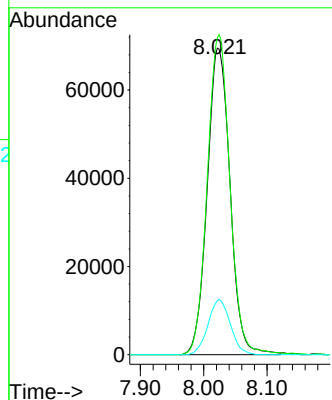
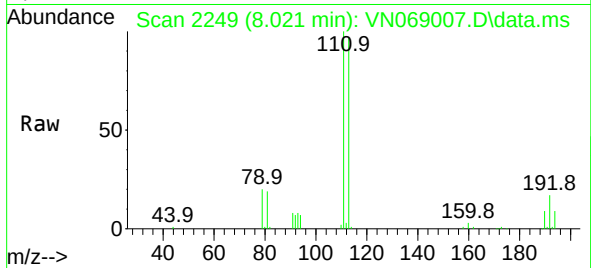




#35
Dibromofluoromethane
Concen: 51.115 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

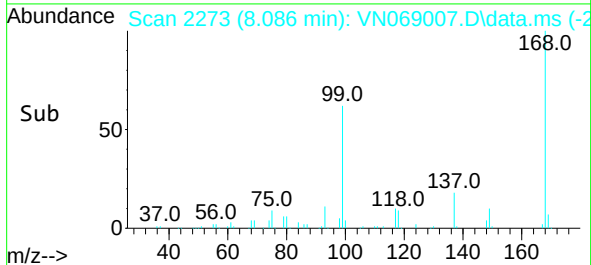
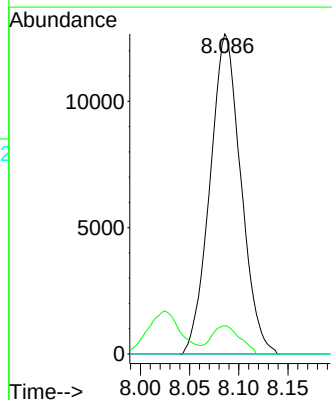
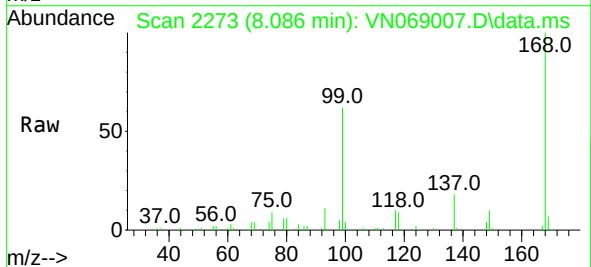
Instrument :
MSVOA_N
ClientSampled :

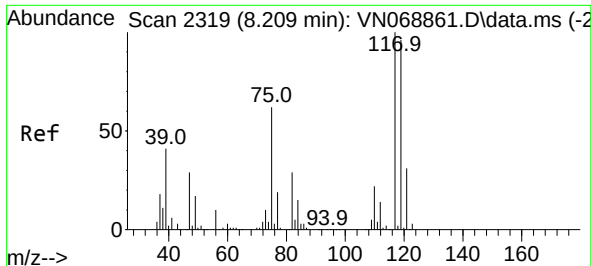
Tgt Ion:113 Resp: 174336
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 17.6 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.536 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

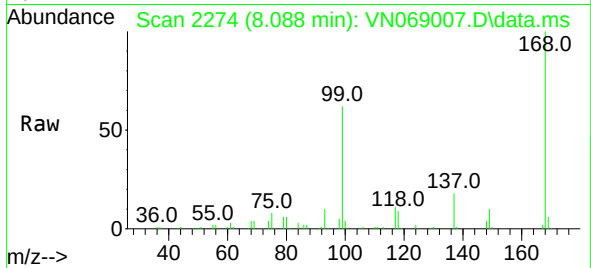
Tgt Ion: 75 Resp: 27722
Ion Ratio Lower Upper
75 100
110 8.2 17.9 53.8#
77 0.0 24.7 37.1#



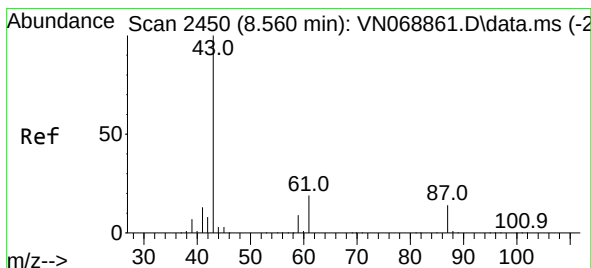
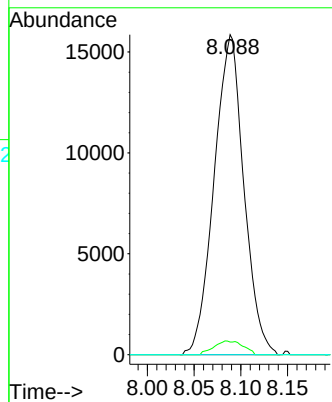
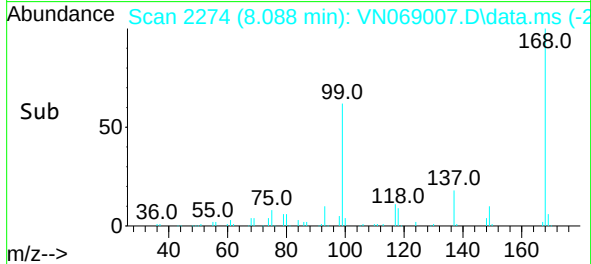


#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

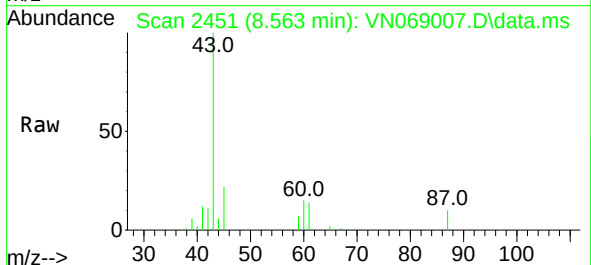
Instrument :
MSVOA_N
ClientSampled :



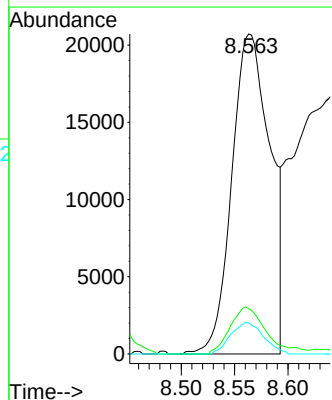
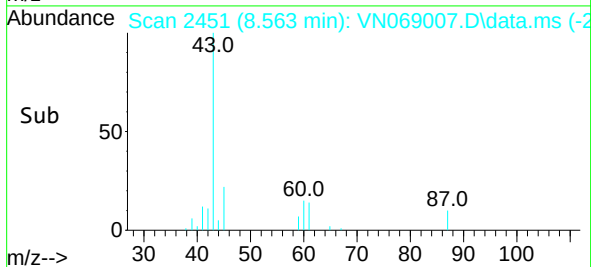
Tgt Ion:117 Resp: 35081
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 24.6 37.0#

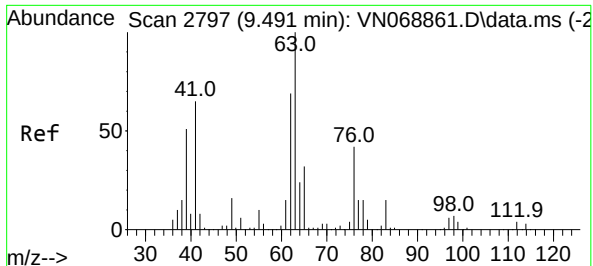


#43
Isopropyl Acetate
Concen: 5.685 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44



Tgt Ion: 43 Resp: 51871
Ion Ratio Lower Upper
43 100
61 13.9 20.4 30.6#
87 8.4 10.7 16.1#



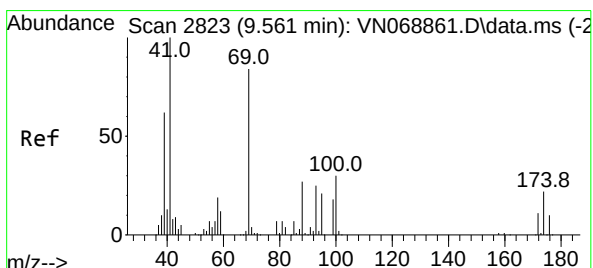
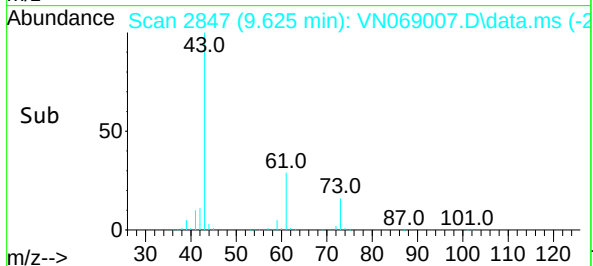
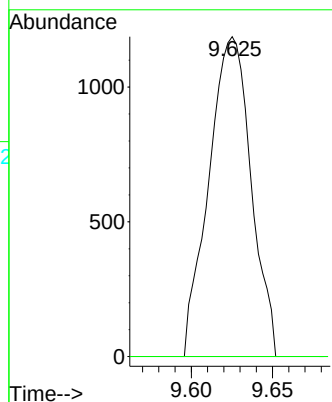
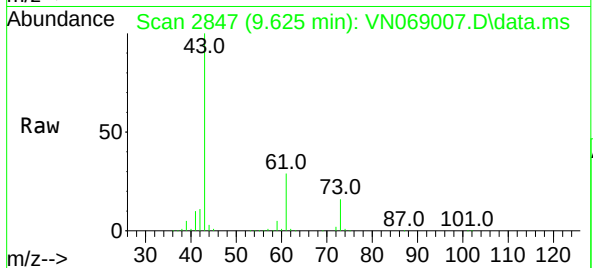


#45

1,2-Dichloropropane
Concen: 0.543 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

Instrument :
MSVOA_N
ClientSampled :

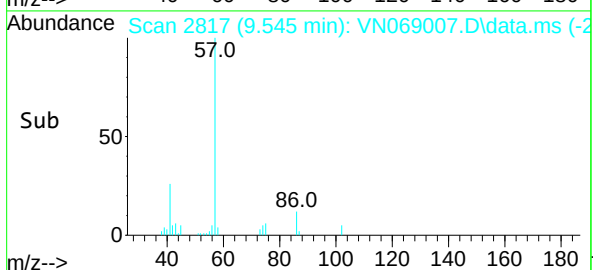
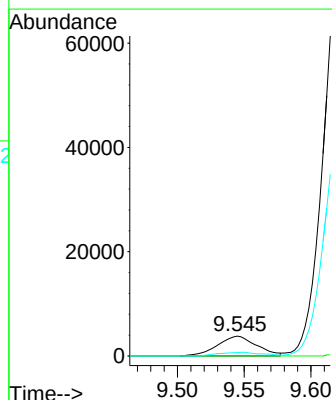
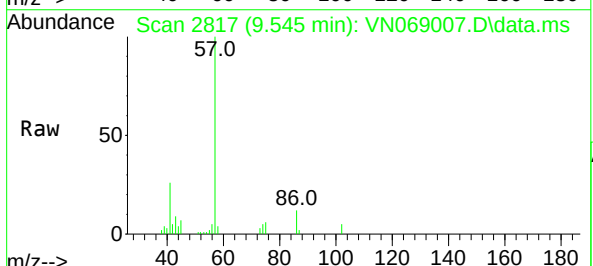
Tgt Ion: 63 Resp: 2150
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

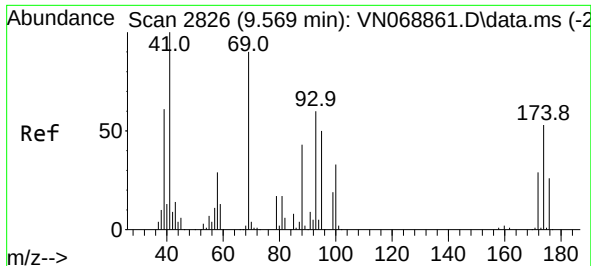


#48

Methyl methacrylate
Concen: 1.798 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

Tgt Ion: 41 Resp: 7710
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: 36.222 ug/l

RT: 9.620 min Scan# 2845

Delta R.T. 0.051 min

Lab File: VN069007.D

Acq: 19 Oct 2021 3:44

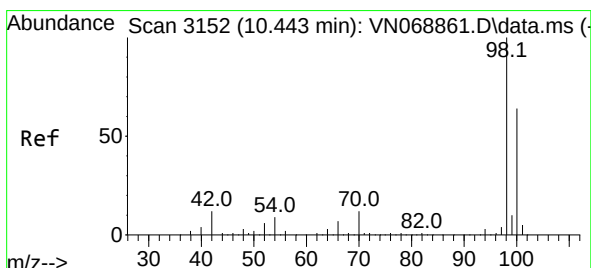
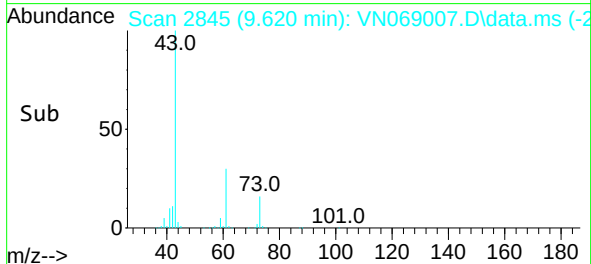
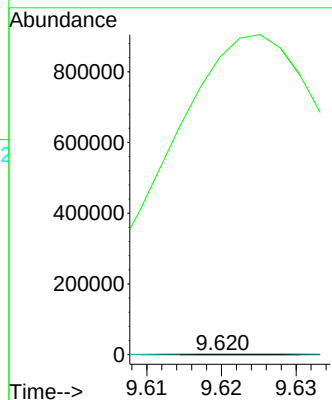
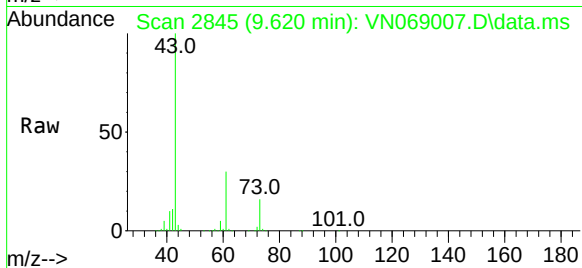
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 3374184.3 24.9 37.3#

58 12537.3 56.9 85.3#



#50

Toluene-d8

Concen: 53.638 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN069007.D

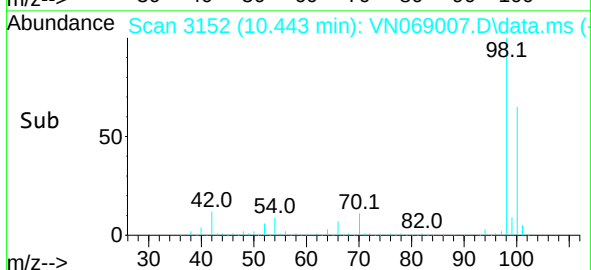
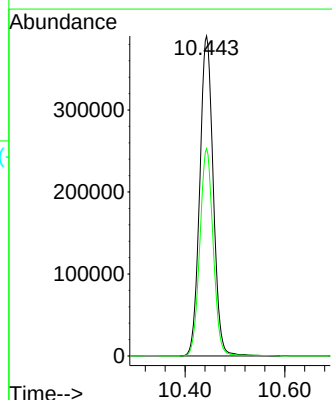
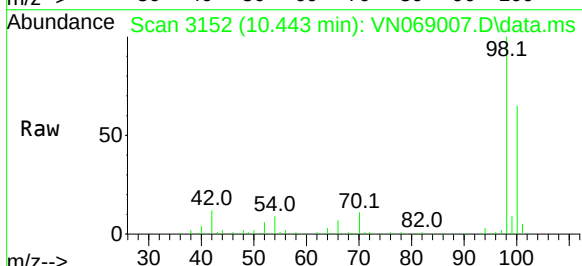
Acq: 19 Oct 2021 3:44

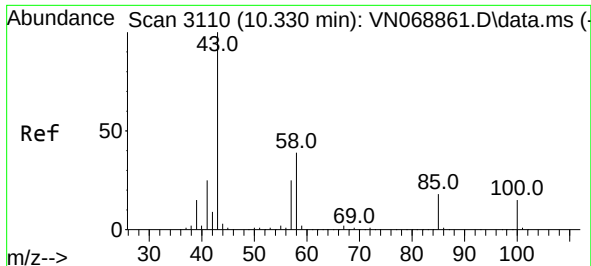
Tgt Ion: 98 Resp: 731987

Ion Ratio Lower Upper

98 100

100 64.3 51.5 77.3

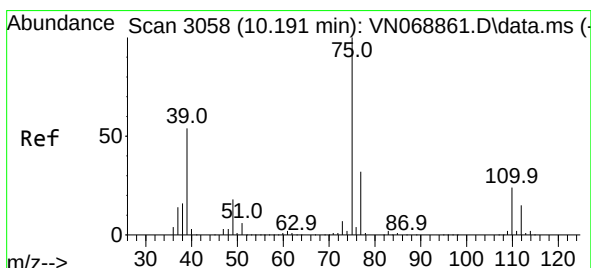
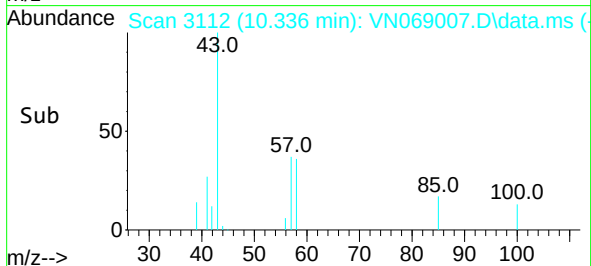
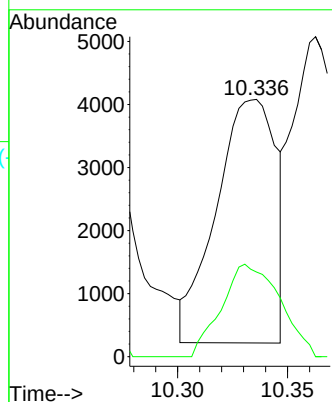
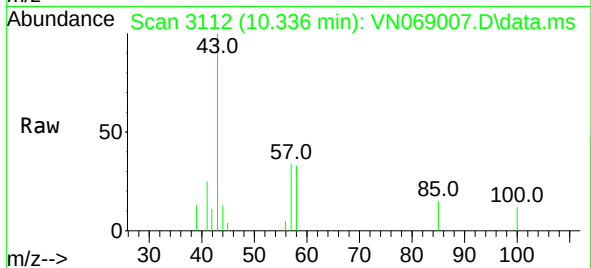




#51
4-Methyl-2-Pentanone
Concen: 1.377 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

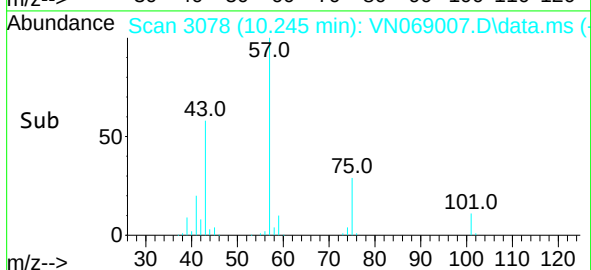
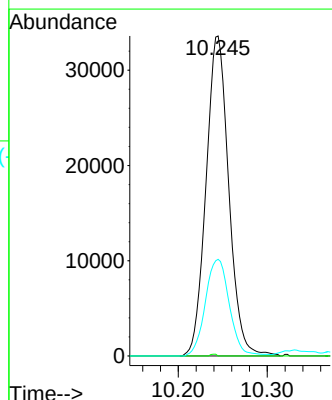
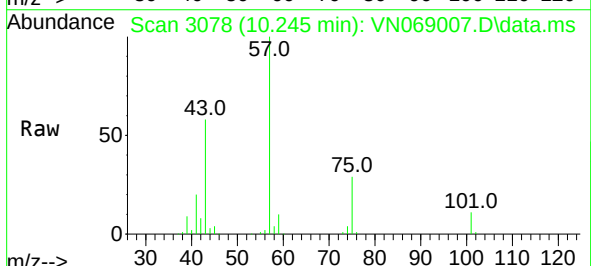
Instrument :
MSVOA_N
ClientSampleId :

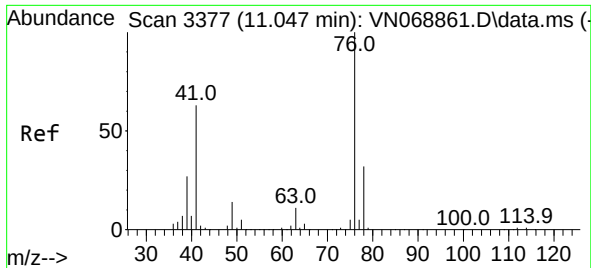
Tgt Ion: 43 Resp: 7288
Ion Ratio Lower Upper
43 100
58 37.3 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 9.021 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

Tgt Ion: 75 Resp: 59500
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 30.2 42.9 64.3#

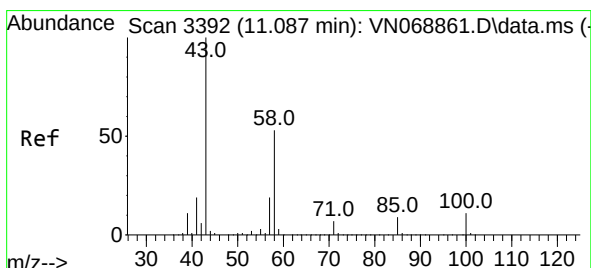
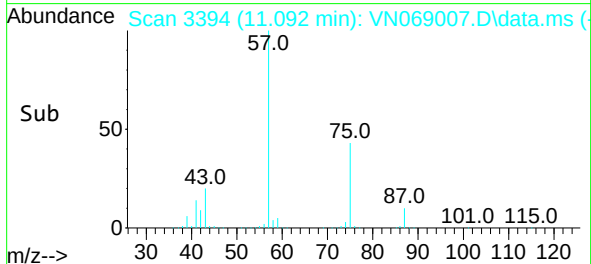
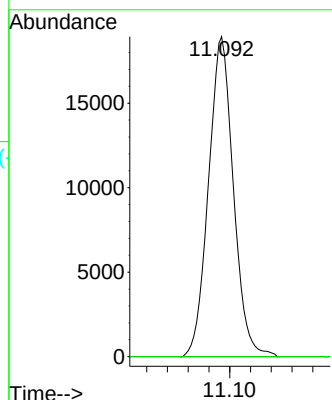
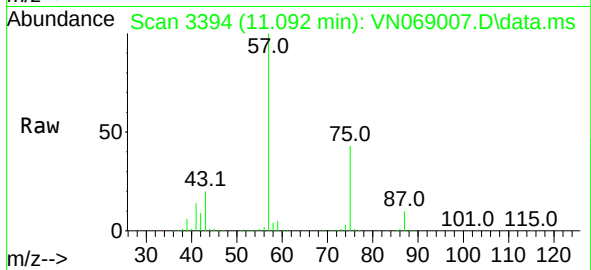




#57
1,3-Dichloropropane
Concen: 4.938 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

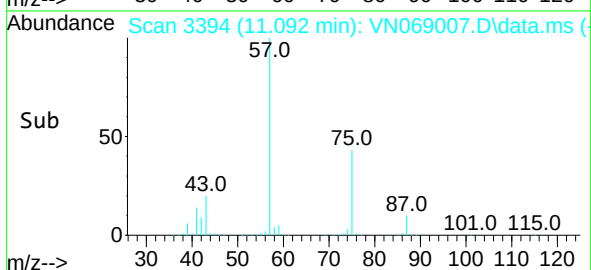
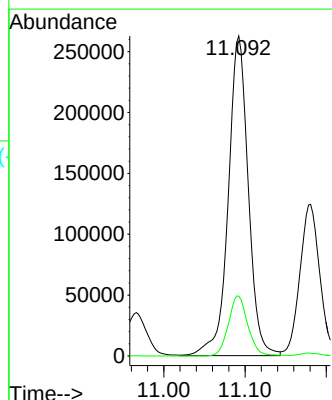
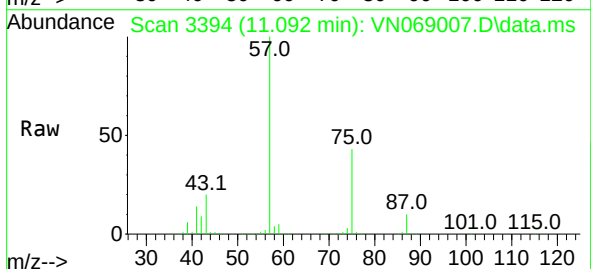
Instrument :
MSVOA_N
ClientSampled :

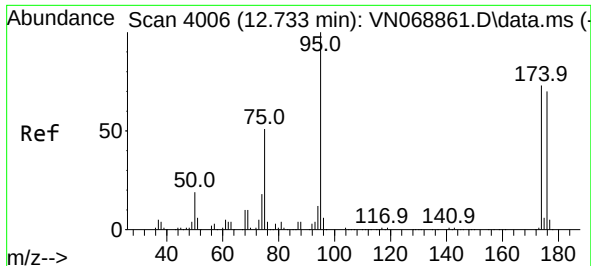
Tgt Ion: 76 Resp: 31495
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 118.597 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

Tgt Ion: 43 Resp: 449979
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

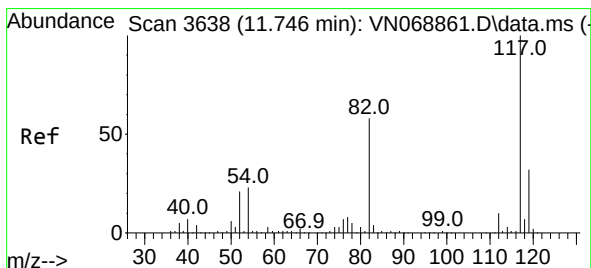
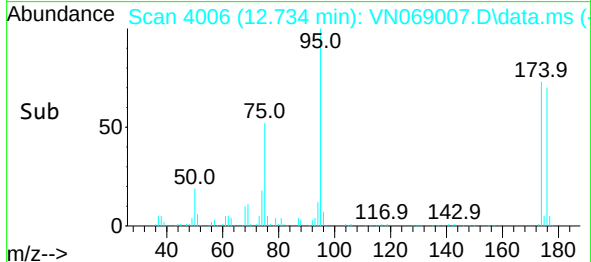
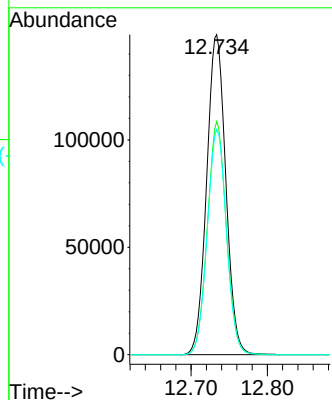
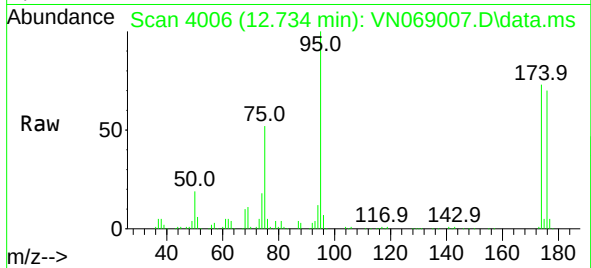




#62
4-Bromofluorobenzene
Concen: 50.460 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

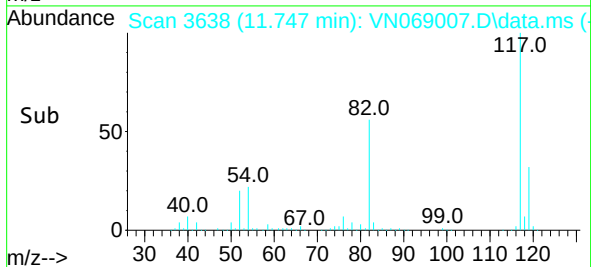
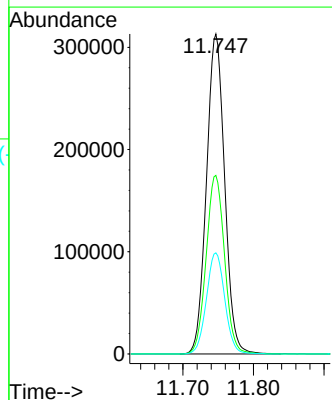
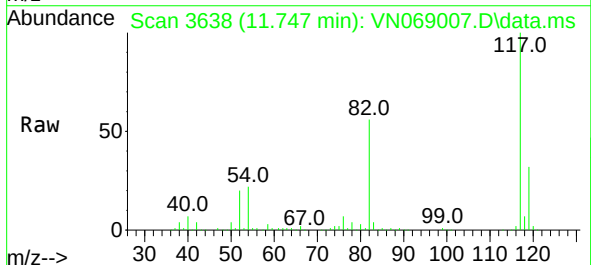
Instrument :
MSVOA_N
ClientSampleId :

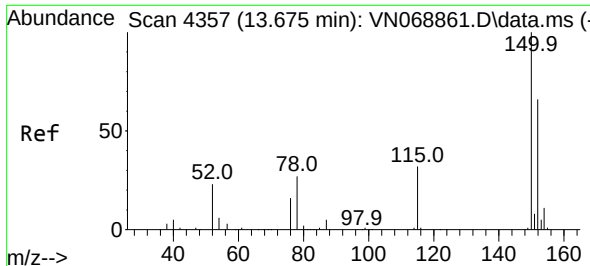
Tgt Ion: 95 Resp: 259807
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.8
176 70.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

Tgt Ion: 117 Resp: 560879
Ion Ratio Lower Upper
117 100
82 55.8 46.4 69.6
119 31.6 26.0 39.0

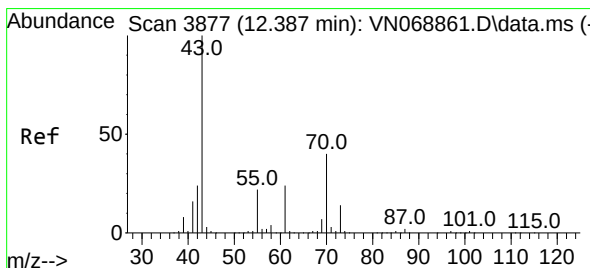
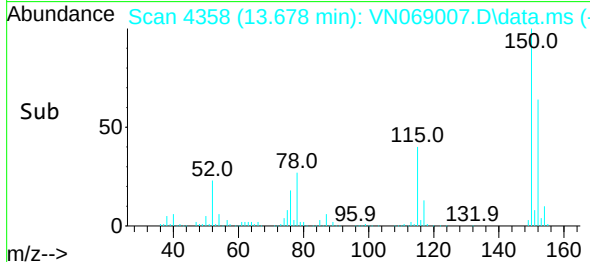
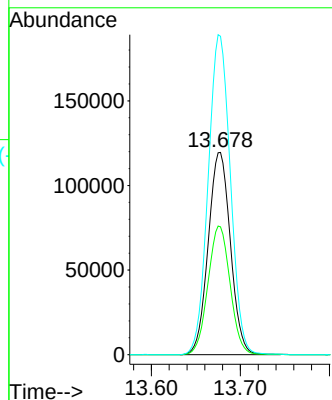
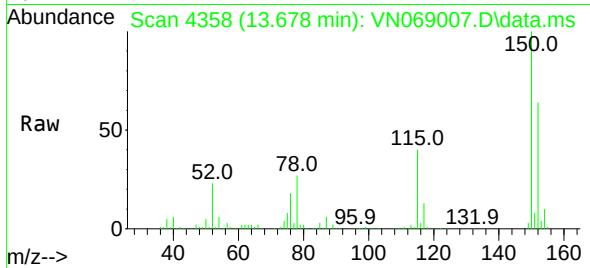




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

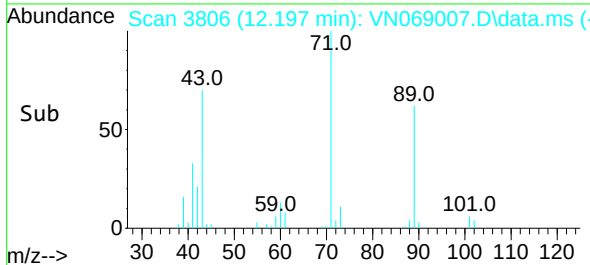
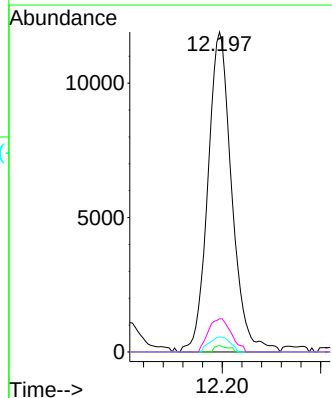
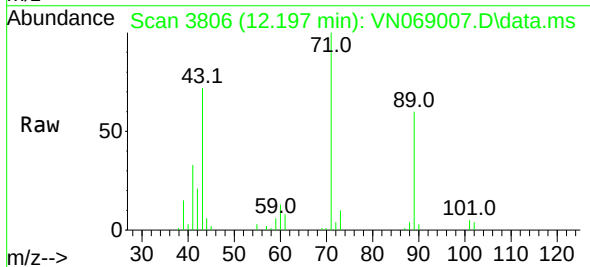
Instrument :
MSVOA_N
ClientSampled :

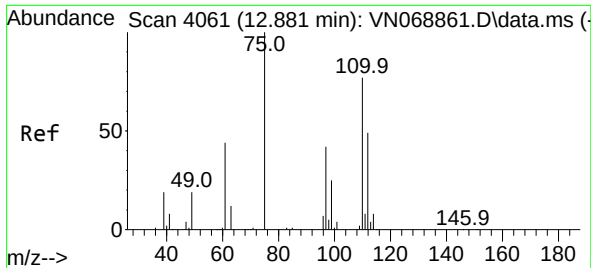
Tgt Ion:152 Resp: 207090
Ion Ratio Lower Upper
152 100
115 63.3 31.4 94.3
150 158.2 0.0 351.0



#74
N-ethyl acetate
Concen: 3.079 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

Tgt Ion: 43 Resp: 20109
Ion Ratio Lower Upper
43 100
70 1.2 32.2 48.2#
55 4.1 18.0 27.0#
61 10.0 19.0 28.4#

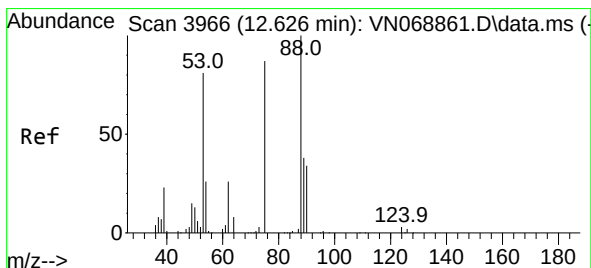
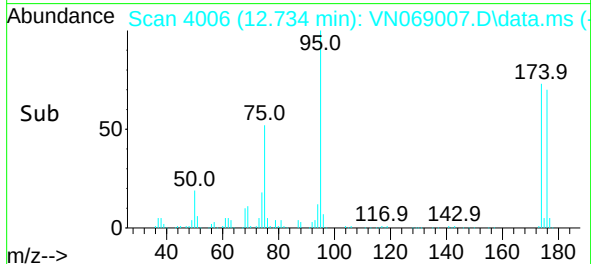
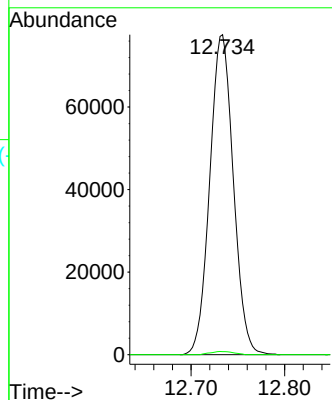
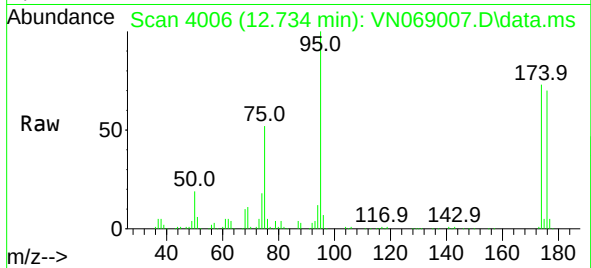




#76
1,2,3-Trichloropropane
Concen: 30.815 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

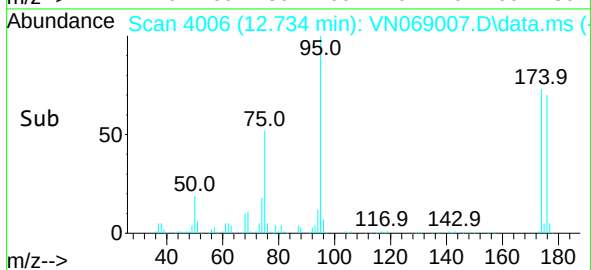
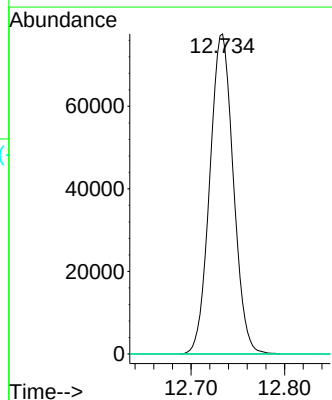
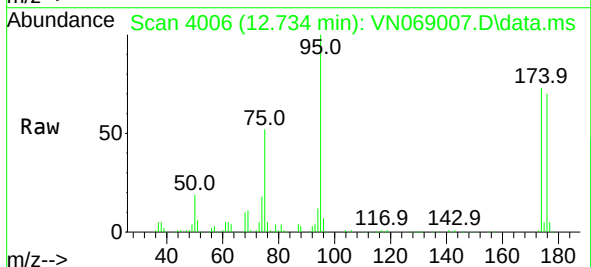
Instrument :
MSVOA_N
ClientSampled :

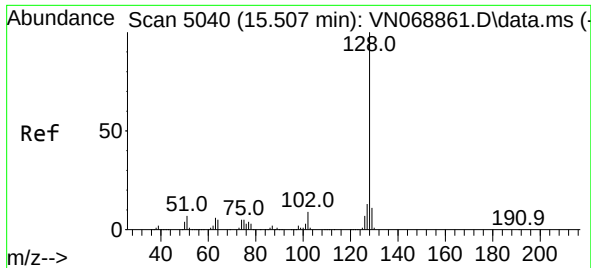
Tgt Ion: 75 Resp: 135779
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.723 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

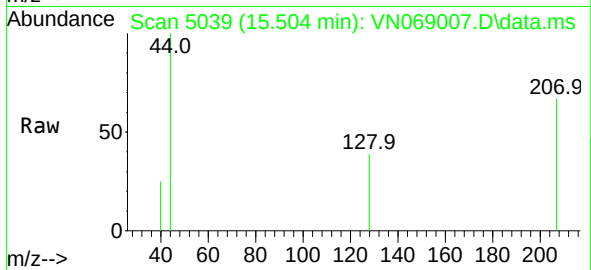
Tgt Ion: 75 Resp: 135779
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.860 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069007.D
Acq: 19 Oct 2021 3:44

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	499
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

