

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069008.D
 Acq On : 19 Oct 2021 4:09
 Operator : JC/MD
 Sample : M4242-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 10:00:02 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)

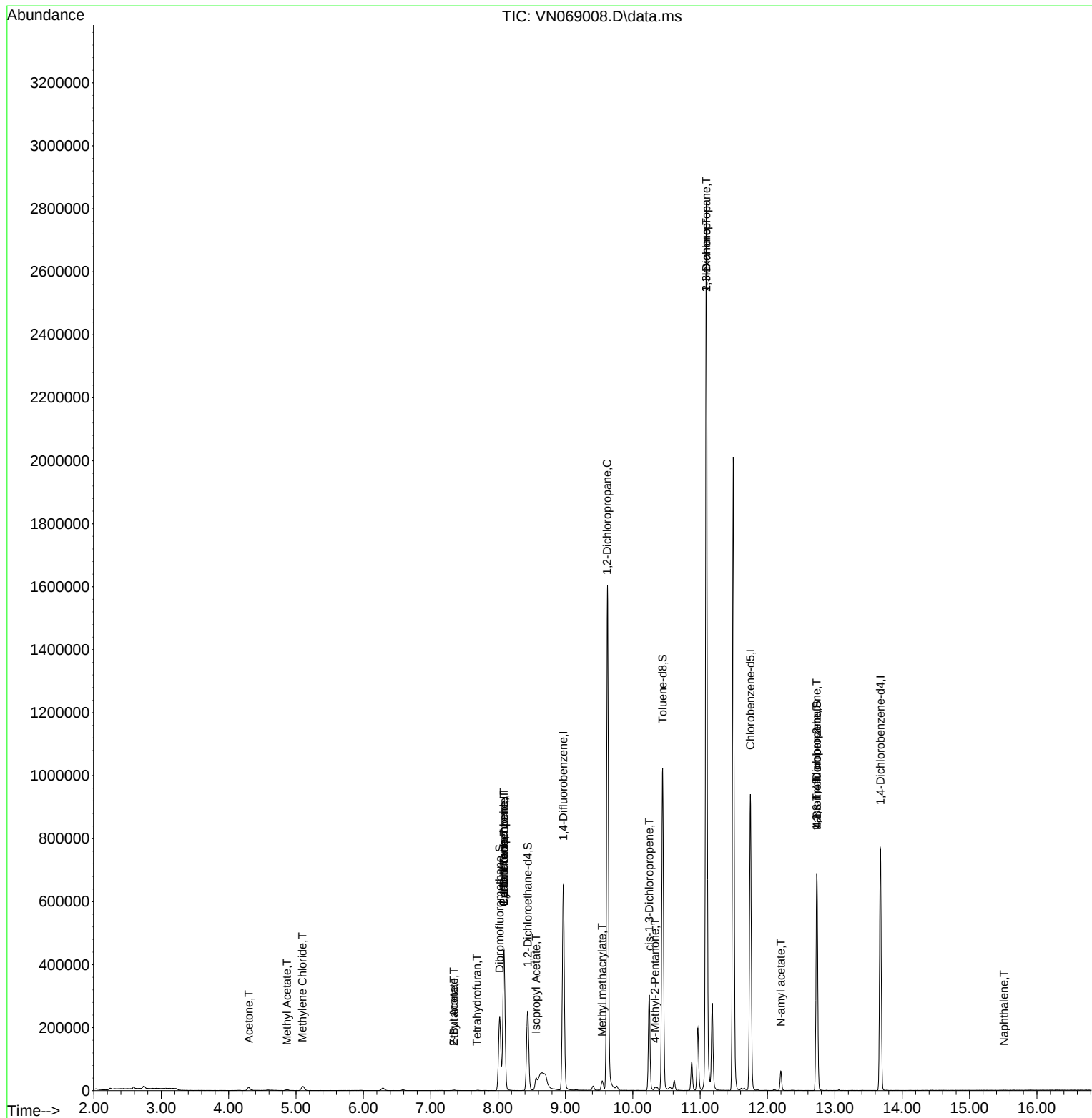
Internal Standards						
1) Pentafluorobenzene	8.088	168	339180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	586024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	560209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	204185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	216362	48.382	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.760%		
35) Dibromofluoromethane	8.024	113	174266	51.111	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.220%		
50) Toluene-d8	10.443	98	734150	53.815	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.620%		
62) 4-Bromofluorobenzene	12.734	95	260273	50.568	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.140%		
Target Compounds					Qvalue	
16) Acetone	4.299	43	19657	11.779	ug/l	94
18) Methyl Acetate	4.867	43	7084	1.119	ug/l #	69
20) Methylene Chloride	5.095	84	11543	3.005	ug/l	94
25) 2-Butanone	7.343	43	2023	0.802	ug/l	99
29) Tetrahydrofuran	7.686	42	461	0.282	ug/l #	67
31) Cyclohexane	8.086	56	7521	1.082	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28092	5.612	ug/l #	49
37) Ethyl Acetate	7.343	43	2023	0.391	ug/l #	68
38) Carbon Tetrachloride	8.086	117	35483	6.454	ug/l #	15
43) Isopropyl Acetate	8.563	43	48250	5.290	ug/l #	82
45) 1,2-Dichloropropane	9.620	63	1867	0.472	ug/l #	43
48) Methyl methacrylate	9.545	41	8101	1.890	ug/l #	13
51) 4-Methyl-2-Pentanone	10.331	43	4529	0.856	ug/l #	72
54) cis-1,3-Dichloropropene	10.245	75	57550	8.728	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	30432	4.773	ug/l #	42
59) 2-Hexanone	11.092	43	435480	114.814	ug/l #	50
74) N-amyl acetate	12.197	43	19899	3.090	ug/l #	45
76) 1,2,3-Trichloropropane	12.731	75	133820	30.802	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	133820	73.693	ug/l #	12
95) Naphthalene	15.512	128	413	3.852	ug/l #	69

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
Data File : VN069008.D
Acq On : 19 Oct 2021 4:09
Operator : JC/MD
Sample : M4242-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 19 10:00:02 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

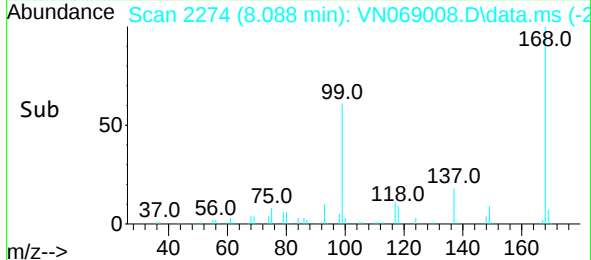
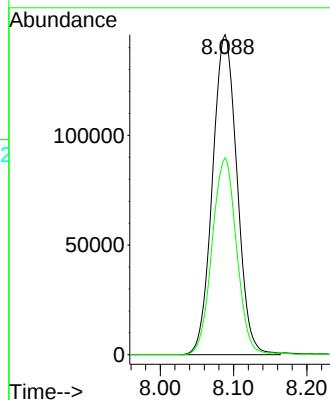
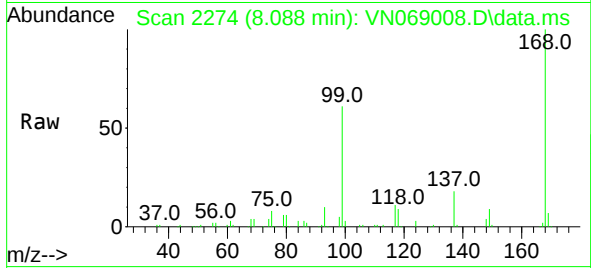




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

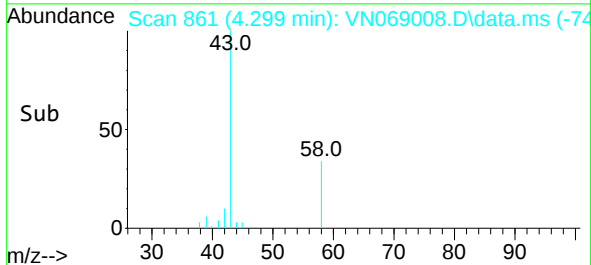
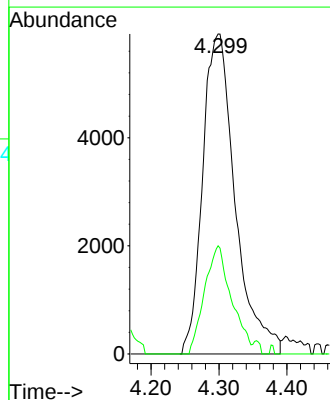
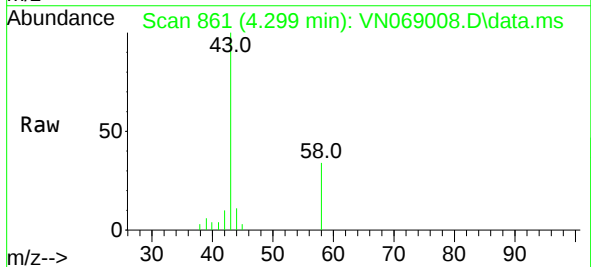
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 339180
Ion Ratio Lower Upper
168 100
99 61.5 48.9 73.3



#16
Acetone
Concen: 11.779 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Tgt Ion: 43 Resp: 19657
Ion Ratio Lower Upper
43 100
58 33.8 24.5 36.7

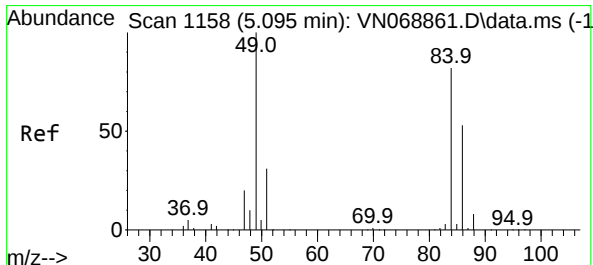
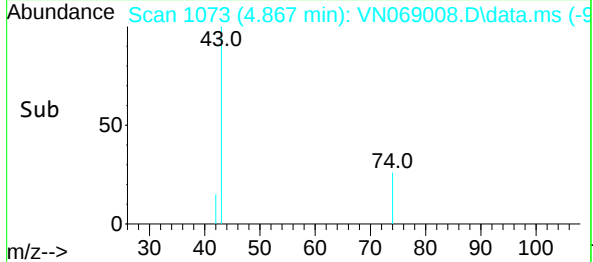
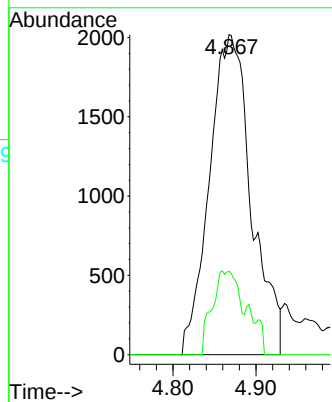
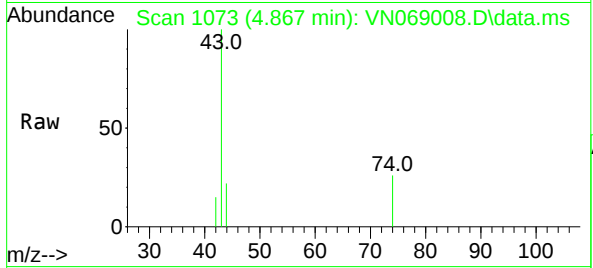




#18
Methyl Acetate
Concen: 1.119 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.014 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

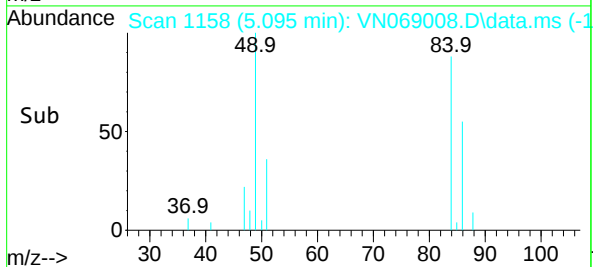
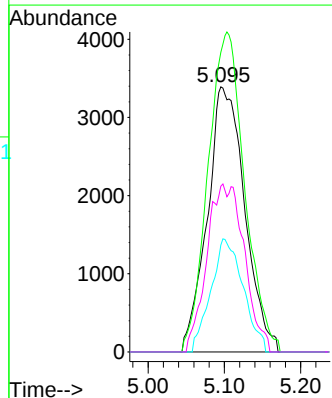
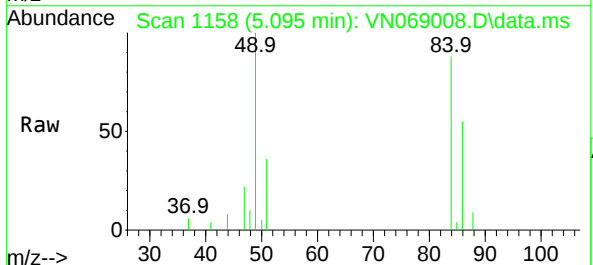
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 7084
Ion Ratio Lower Upper
43 100
74 8.3 18.9 28.3#



#20
Methylene Chloride
Concen: 3.005 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Tgt Ion: 84 Resp: 11543
Ion Ratio Lower Upper
84 100
49 113.1 97.6 146.4
51 40.3 30.3 45.5
86 62.5 51.8 77.6

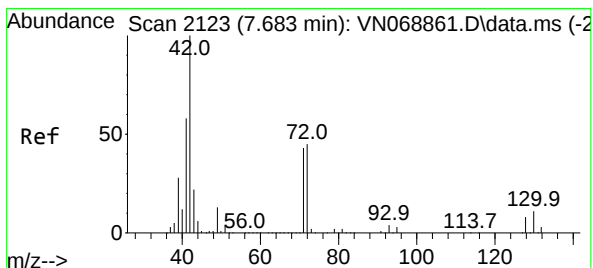
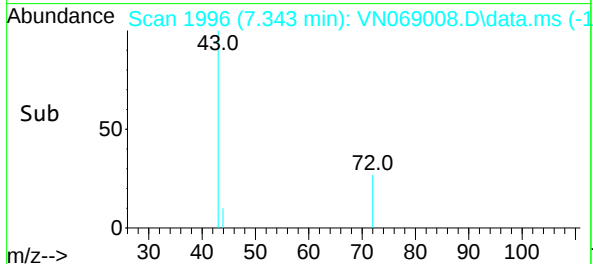
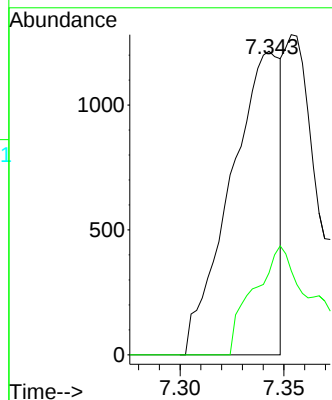
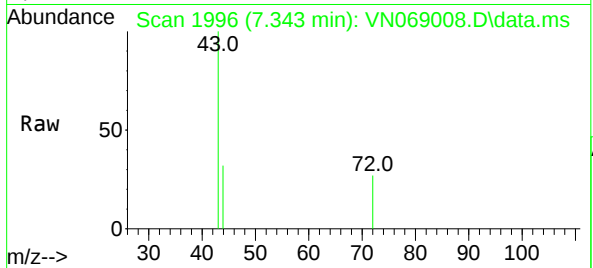




#25
2-Butanone
Concen: 0.802 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

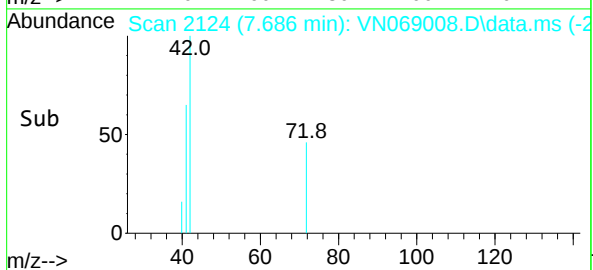
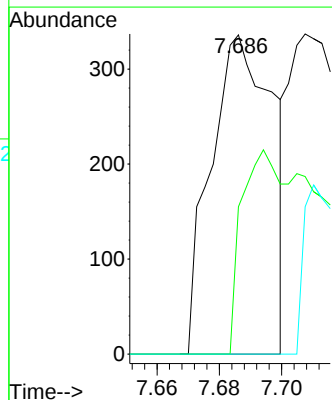
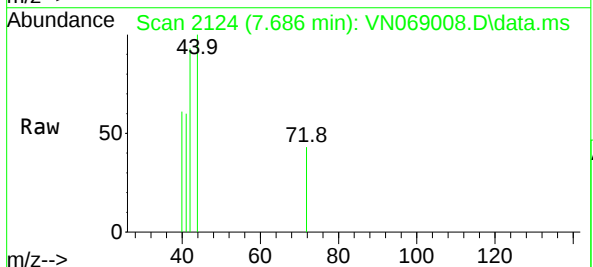
Instrument :
MSVOA_N
ClientSampled :

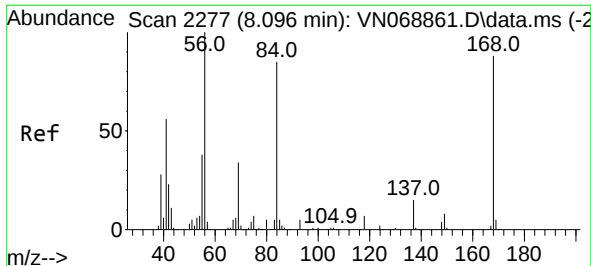
Tgt Ion: 43 Resp: 2023
Ion Ratio Lower Upper
43 100
72 27.0 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.282 ug/l
RT: 7.686 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Tgt Ion: 42 Resp: 461
Ion Ratio Lower Upper
42 100
72 45.3 35.4 53.2
71 0.0 33.8 50.6#

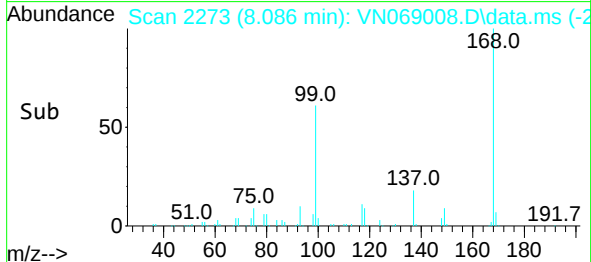
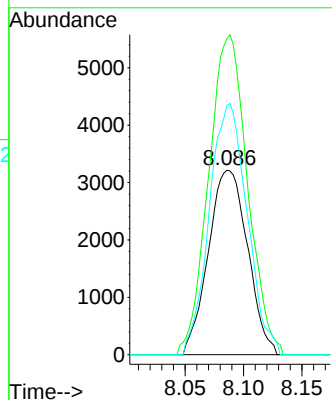
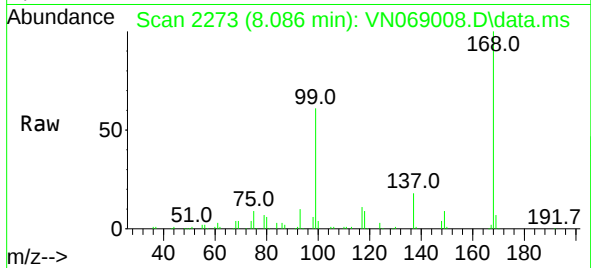




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

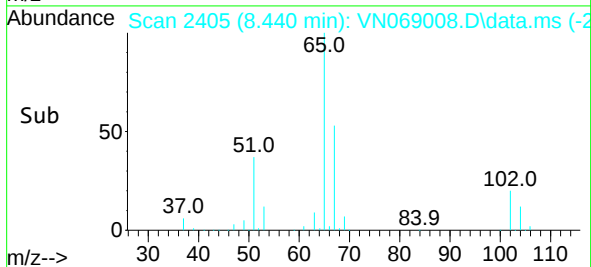
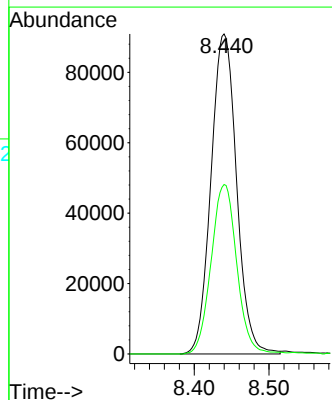
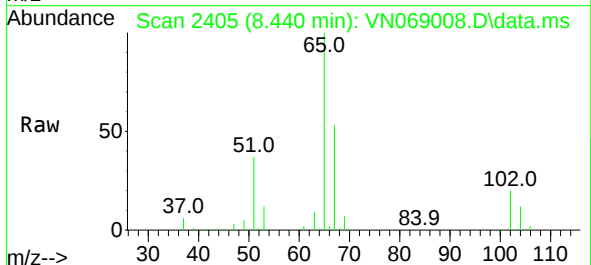
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 7521
Ion Ratio Lower Upper
56 100
69 166.1 26.9 40.3#
84 135.2 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.382 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Tgt Ion: 65 Resp: 216362
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.8

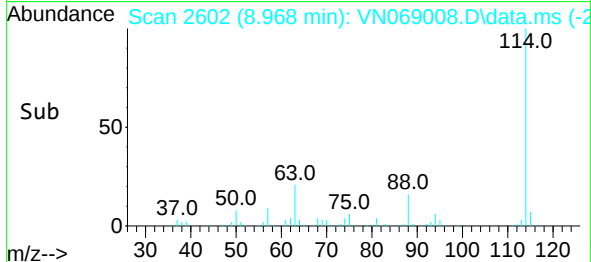
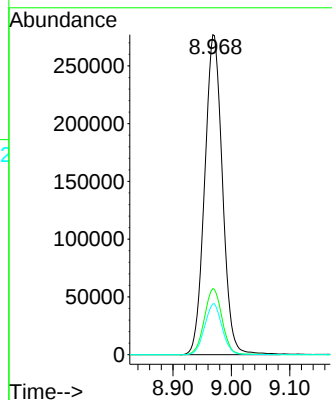
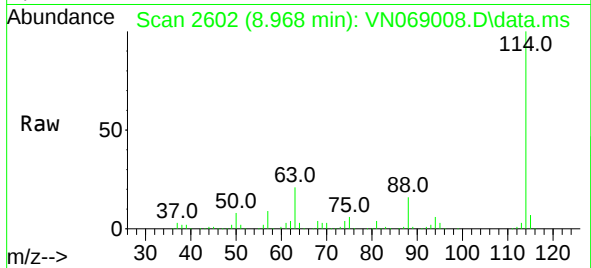




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

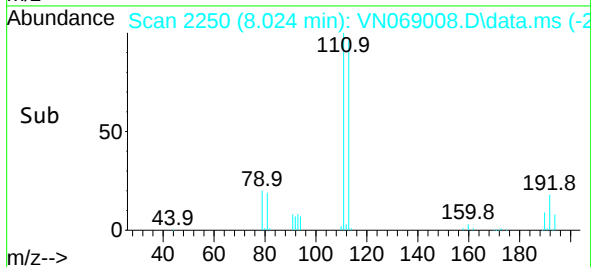
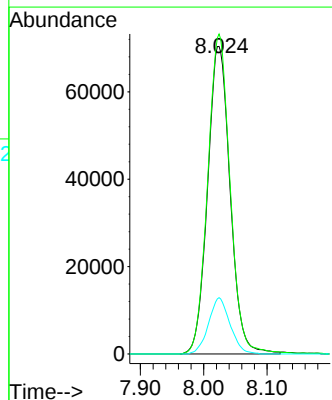
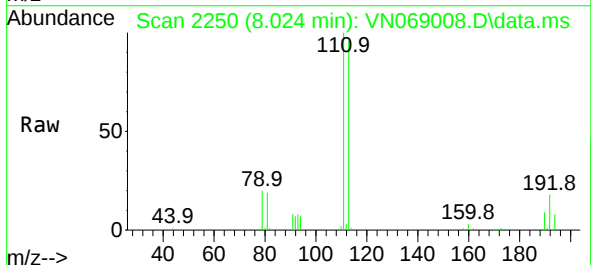
Instrument :
MSVOA_N
ClientSampled :

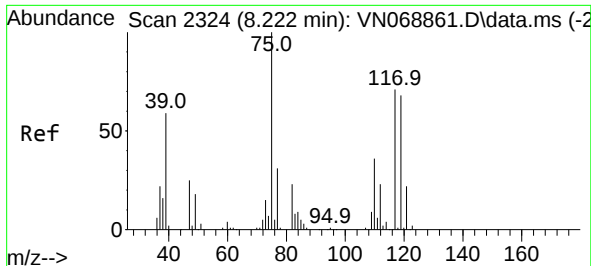
Tgt Ion:114 Resp: 586024
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.111 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

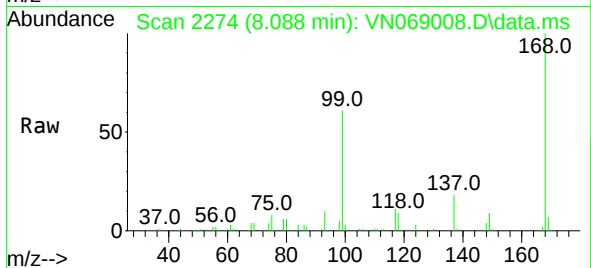
Tgt Ion:113 Resp: 174266
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 17.4 15.0 22.4



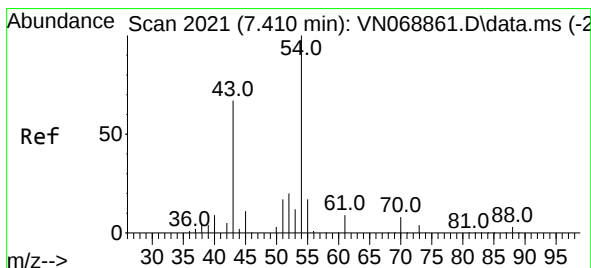
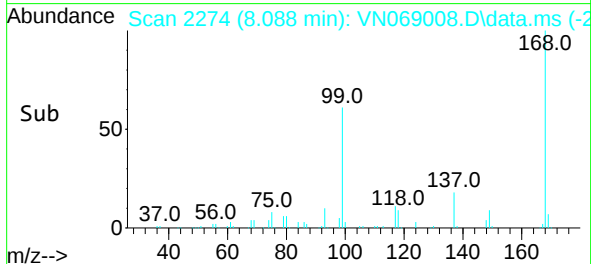
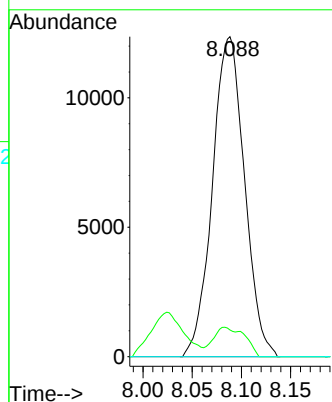


#36
1,1-Dichloropropene
Concen: 5.612 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Instrument :
MSVOA_N
ClientSampled :

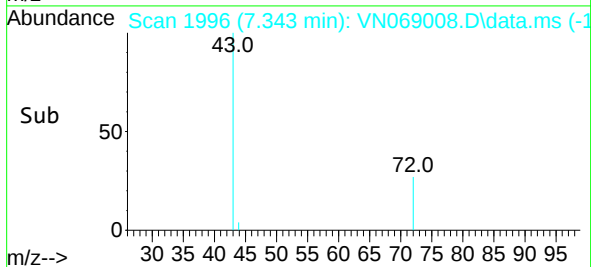
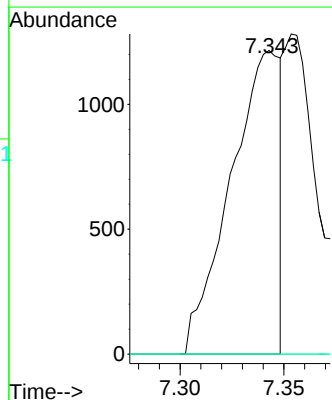
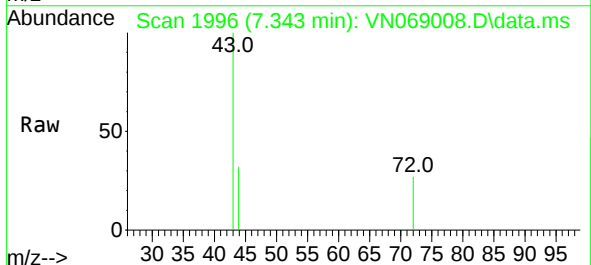


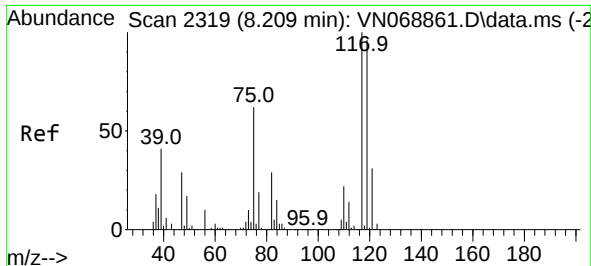
Tgt Ion: 75 Resp: 28092
Ion Ratio Lower Upper
75 100
110 9.1 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.391 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.067 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

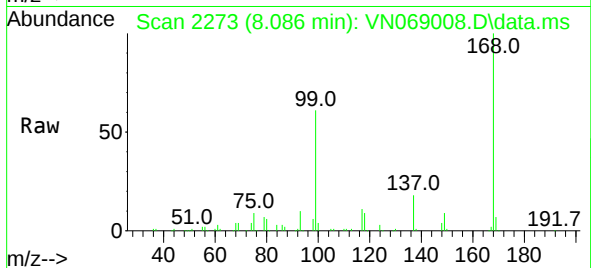
Tgt Ion: 43 Resp: 2023
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



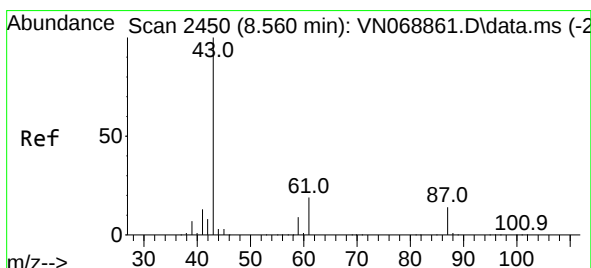
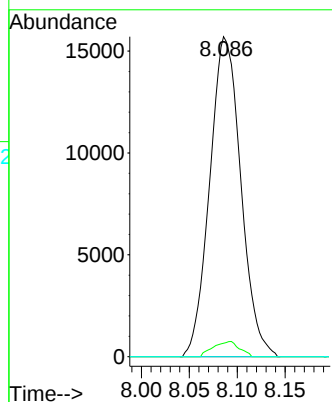
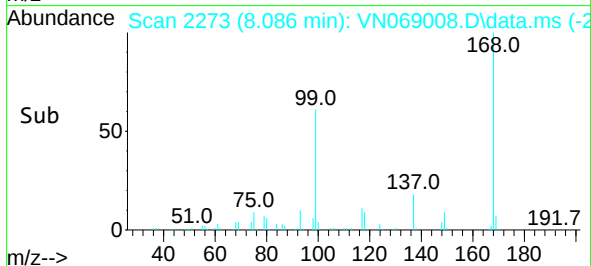


#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

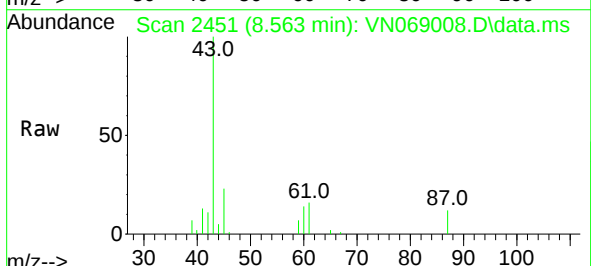
Instrument :
MSVOA_N
ClientSampled :



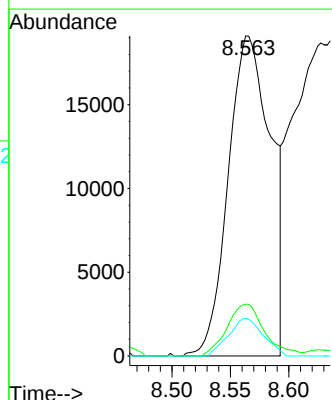
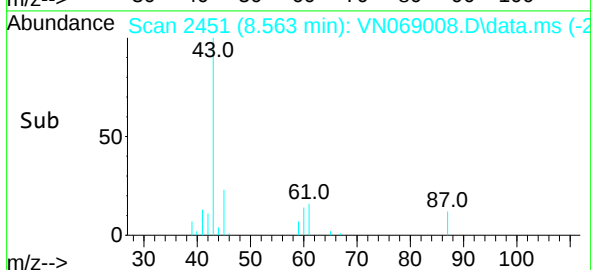
Tgt Ion:117 Resp: 35483
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.6 37.0#

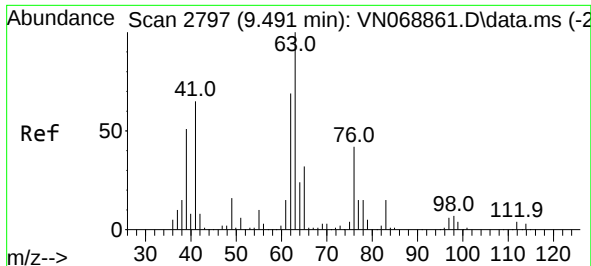


#43
Isopropyl Acetate
Concen: 5.290 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09



Tgt Ion: 43 Resp: 48250
Ion Ratio Lower Upper
43 100
61 14.3 20.4 30.6#
87 9.6 10.7 16.1#

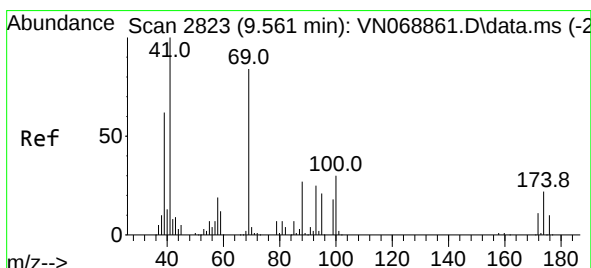
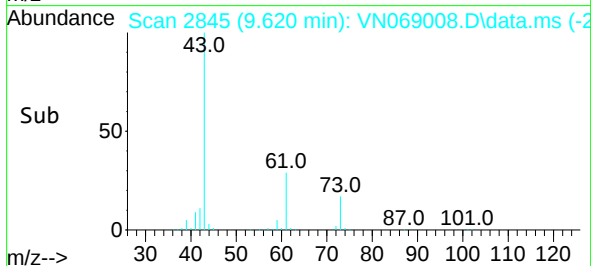
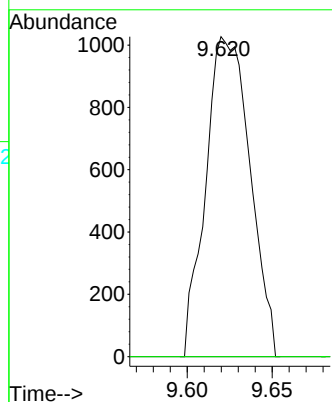
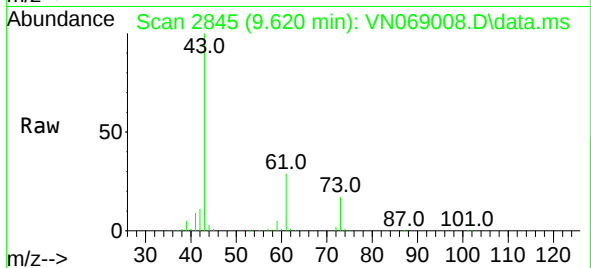




#45
1,2-Dichloropropane
Concen: 0.472 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

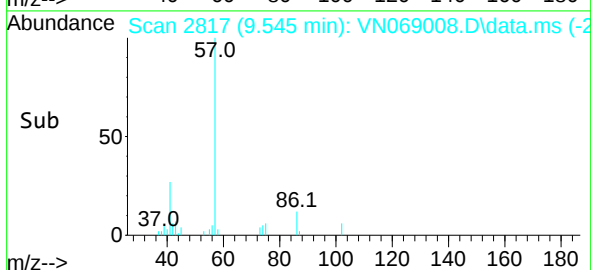
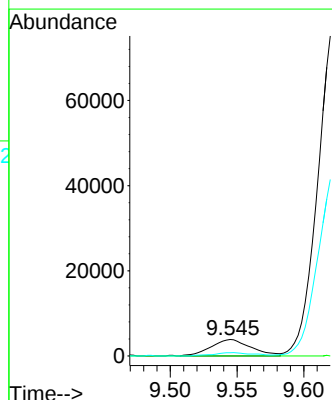
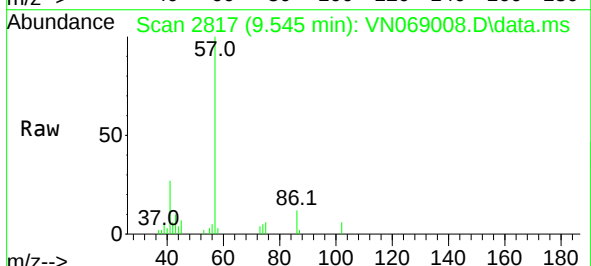
Instrument :
MSVOA_N
ClientSampled :

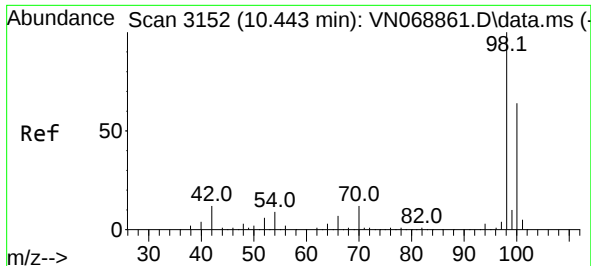
Tgt Ion: 63 Resp: 1867
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.890 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Tgt Ion: 41 Resp: 8101
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

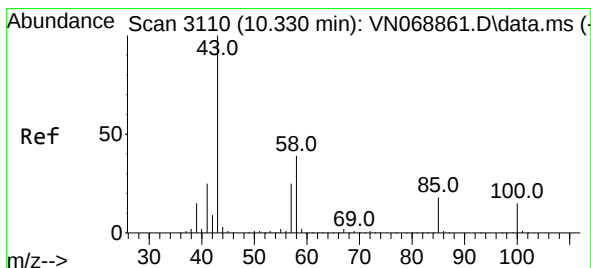
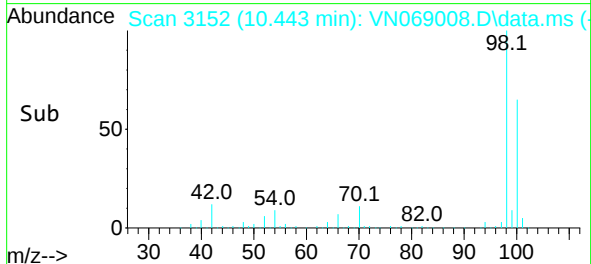
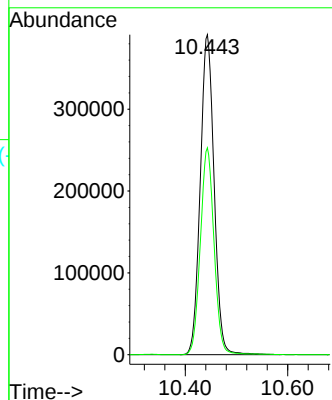
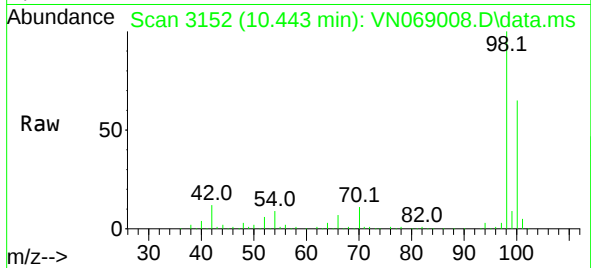




#50
Toluene-d8
Concen: 53.815 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

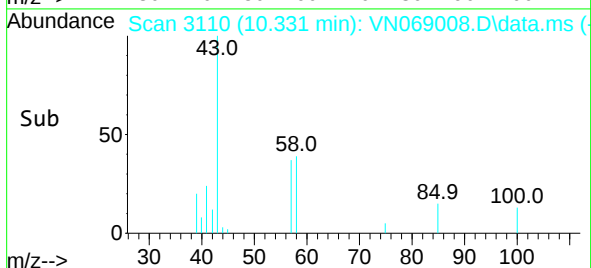
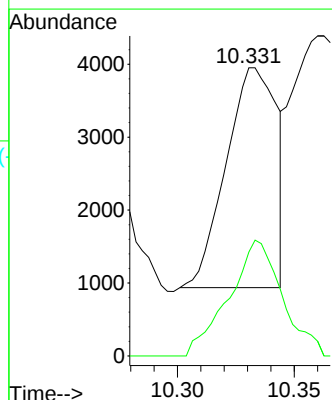
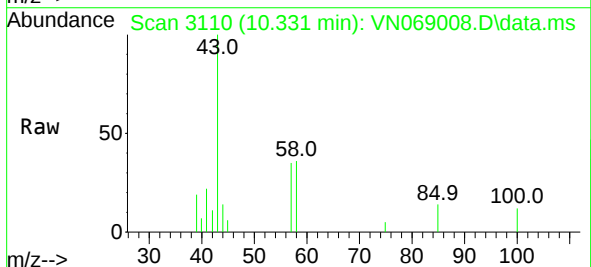
Instrument :
MSVOA_N
ClientSampled :

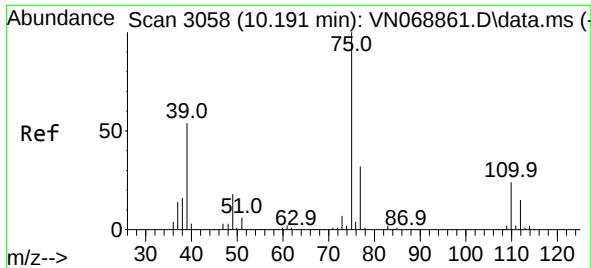
Tgt Ion: 98 Resp: 734150
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.856 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Tgt Ion: 43 Resp: 4529
Ion Ratio Lower Upper
43 100
58 55.6 31.0 46.4#

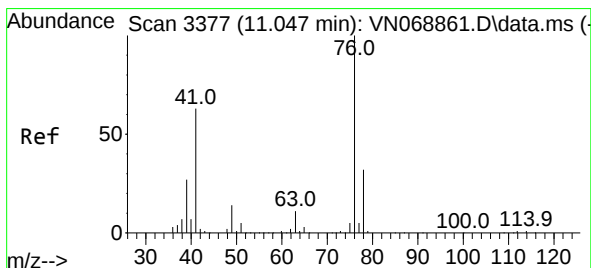
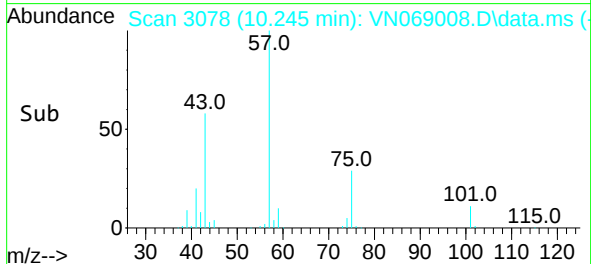
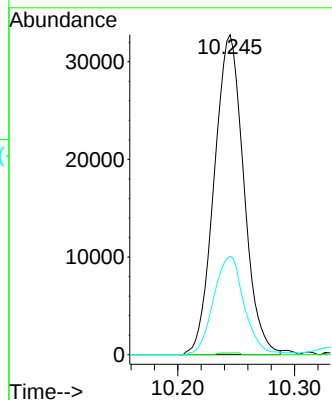
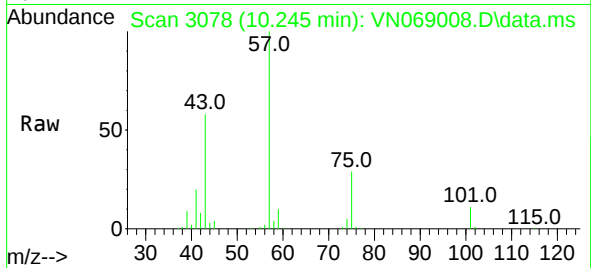




#54
 cis-1,3-Dichloropropene
 Concen: 8.728 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069008.D
 Acq: 19 Oct 2021 4:09

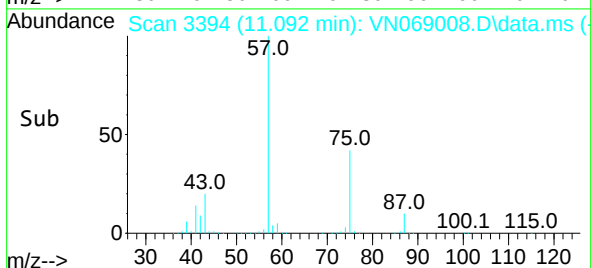
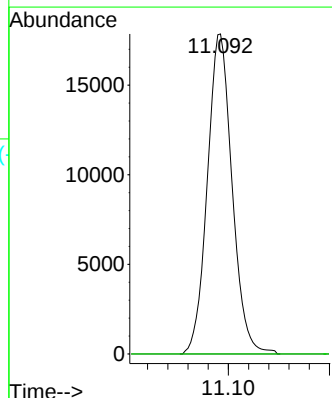
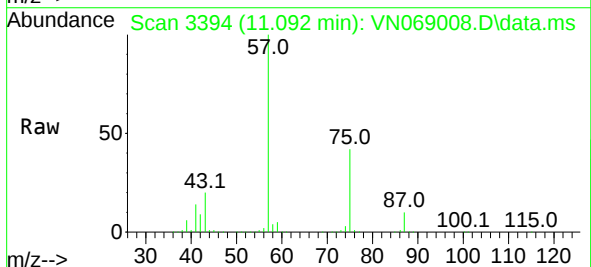
Instrument :
 MSVOA_N
 ClientSampled :

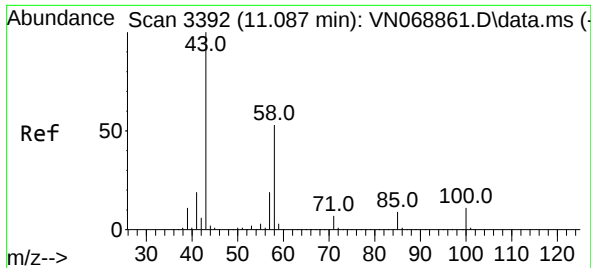
Tgt Ion: 75 Resp: 57550
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.6 38.4#
 39 30.7 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.773 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069008.D
 Acq: 19 Oct 2021 4:09

Tgt Ion: 76 Resp: 30432
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

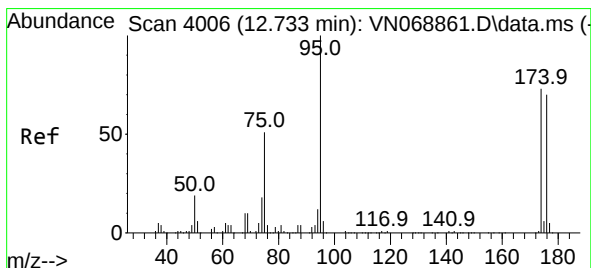
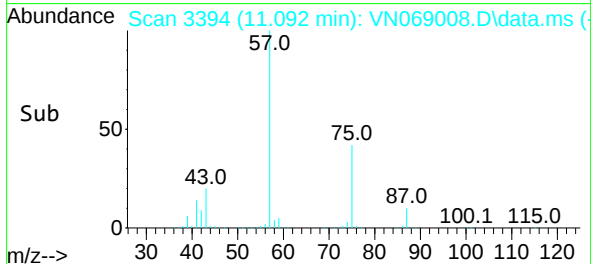
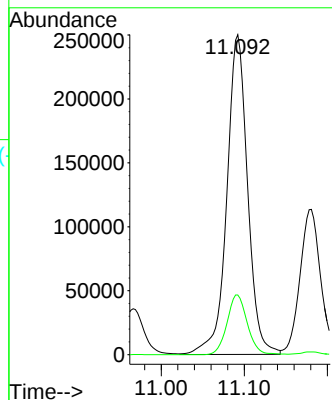
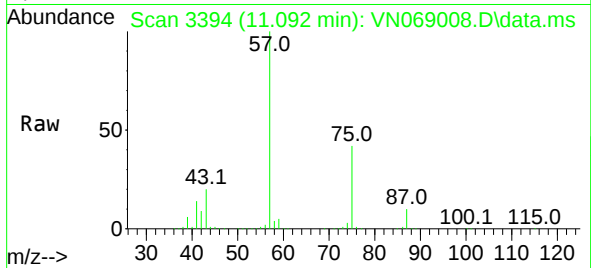




#59
2-Hexanone
Concen: 114.814 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

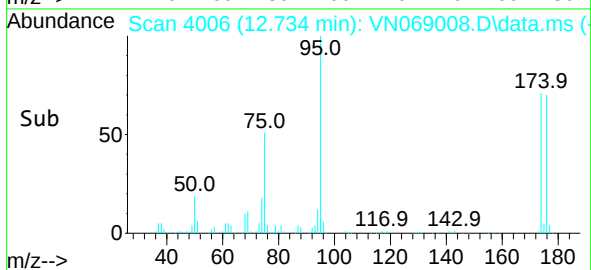
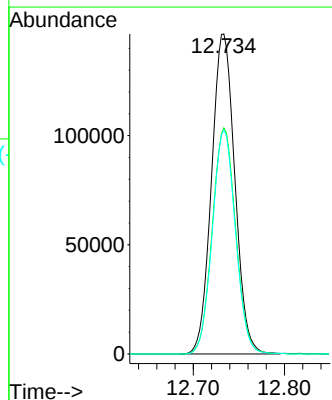
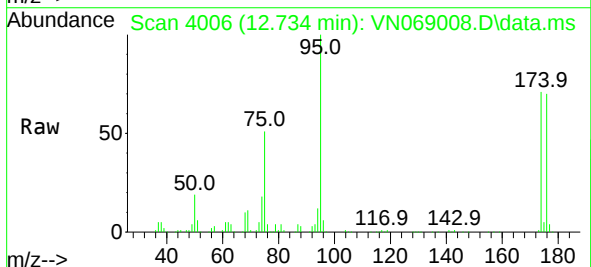
Instrument :
MSVOA_N
ClientSampled :

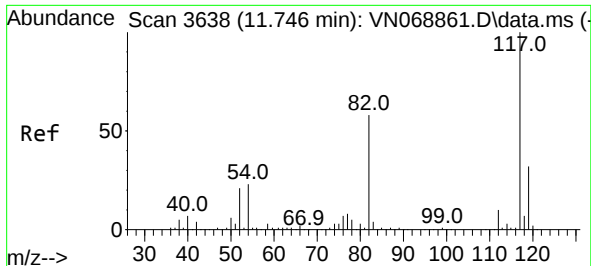
Tgt Ion: 43 Resp: 435480
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.568 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Tgt Ion: 95 Resp: 260273
Ion Ratio Lower Upper
95 100
174 71.0 0.0 144.8
176 69.5 0.0 140.0

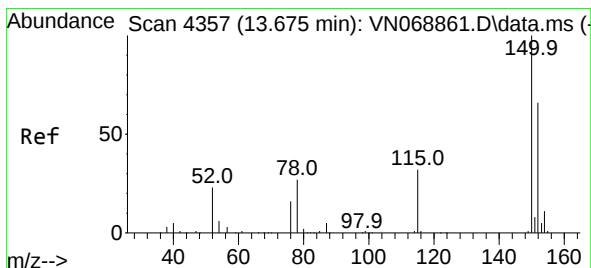
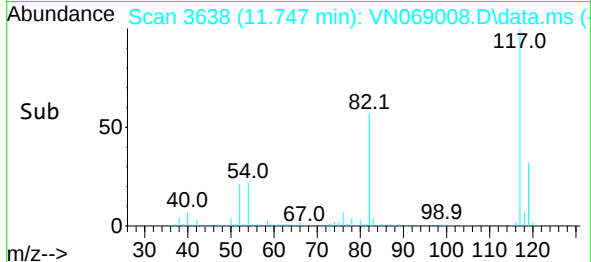
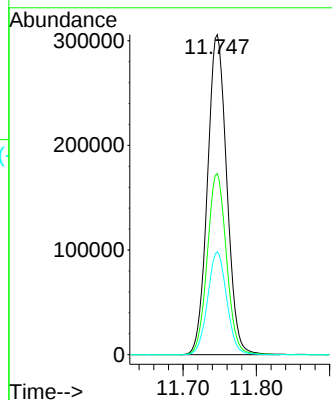
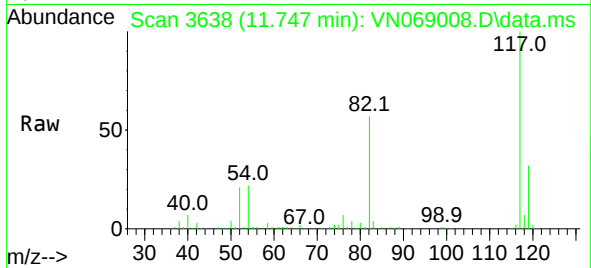




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

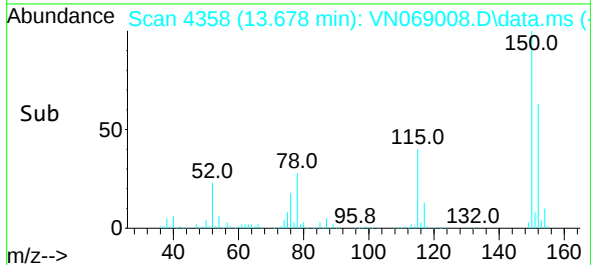
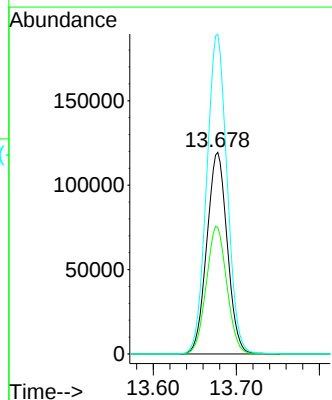
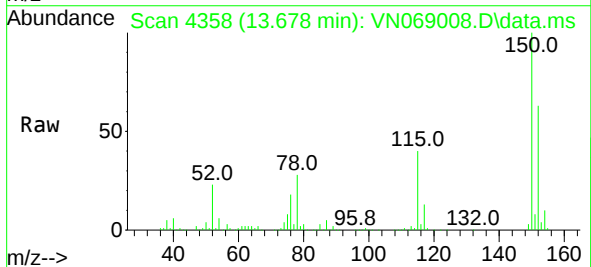
Instrument :
MSVOA_N
ClientSampled :

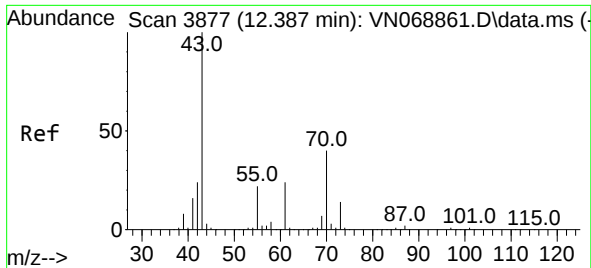
Tgt Ion:117 Resp: 560209
Ion Ratio Lower Upper
117 100
82 56.6 46.4 69.6
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Tgt Ion:152 Resp: 204185
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.3
150 158.4 0.0 351.0

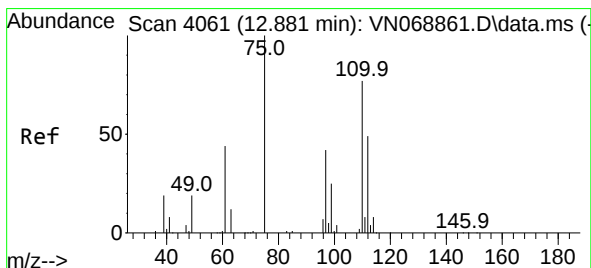
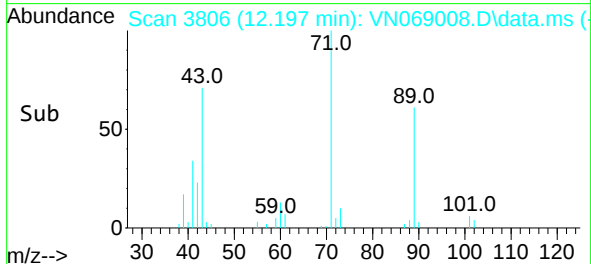
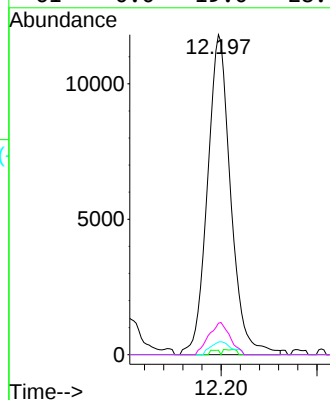
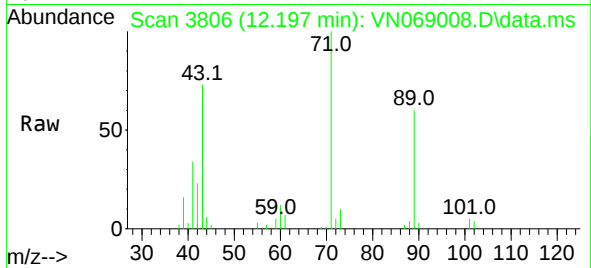




#74
N-amy1 acetate
Concen: 3.090 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

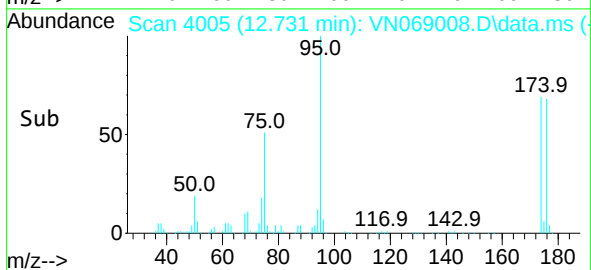
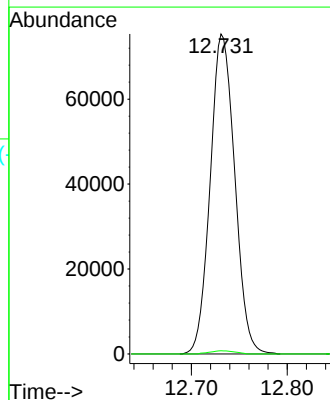
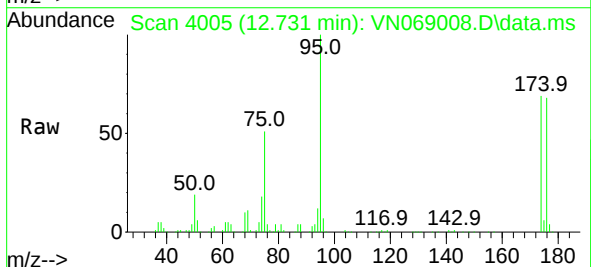
Instrument :
MSVOA_N
ClientSampled :

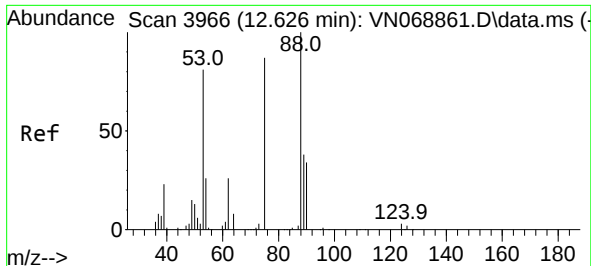
Tgt Ion:	43	Resp:	19899
Ion	Ratio	Lower	Upper
43	100		
70	0.5	32.2	48.2#
55	0.0	18.0	27.0#
61	0.0	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 30.802 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Tgt Ion:	75	Resp:	133820
Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4#

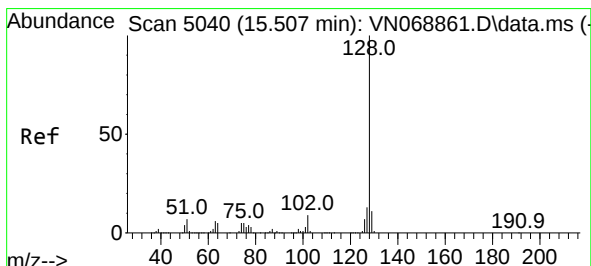
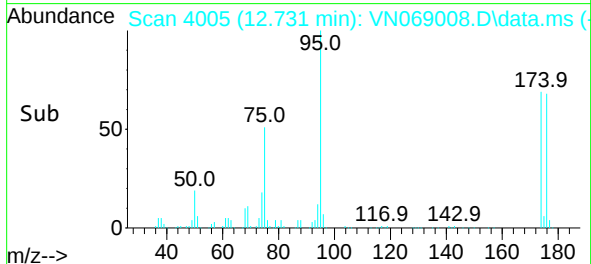
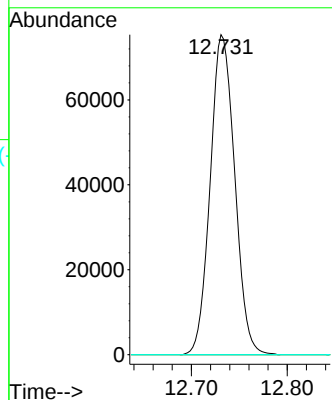
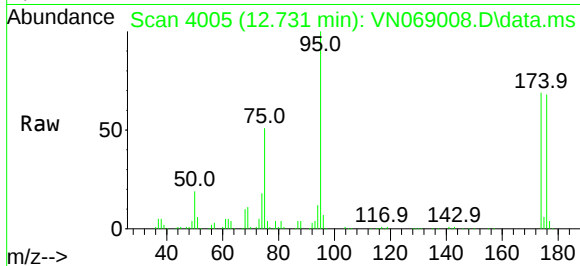




#81
trans-1,4-Dichloro-2-butene
Concen: 73.693 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 133820
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.852 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069008.D
Acq: 19 Oct 2021 4:09

Tgt Ion:128 Resp: 413
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

