

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069035.D
 Acq On : 19 Oct 2021 19:04
 Operator : JC/MD
 Sample : M4244-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:50:03 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)

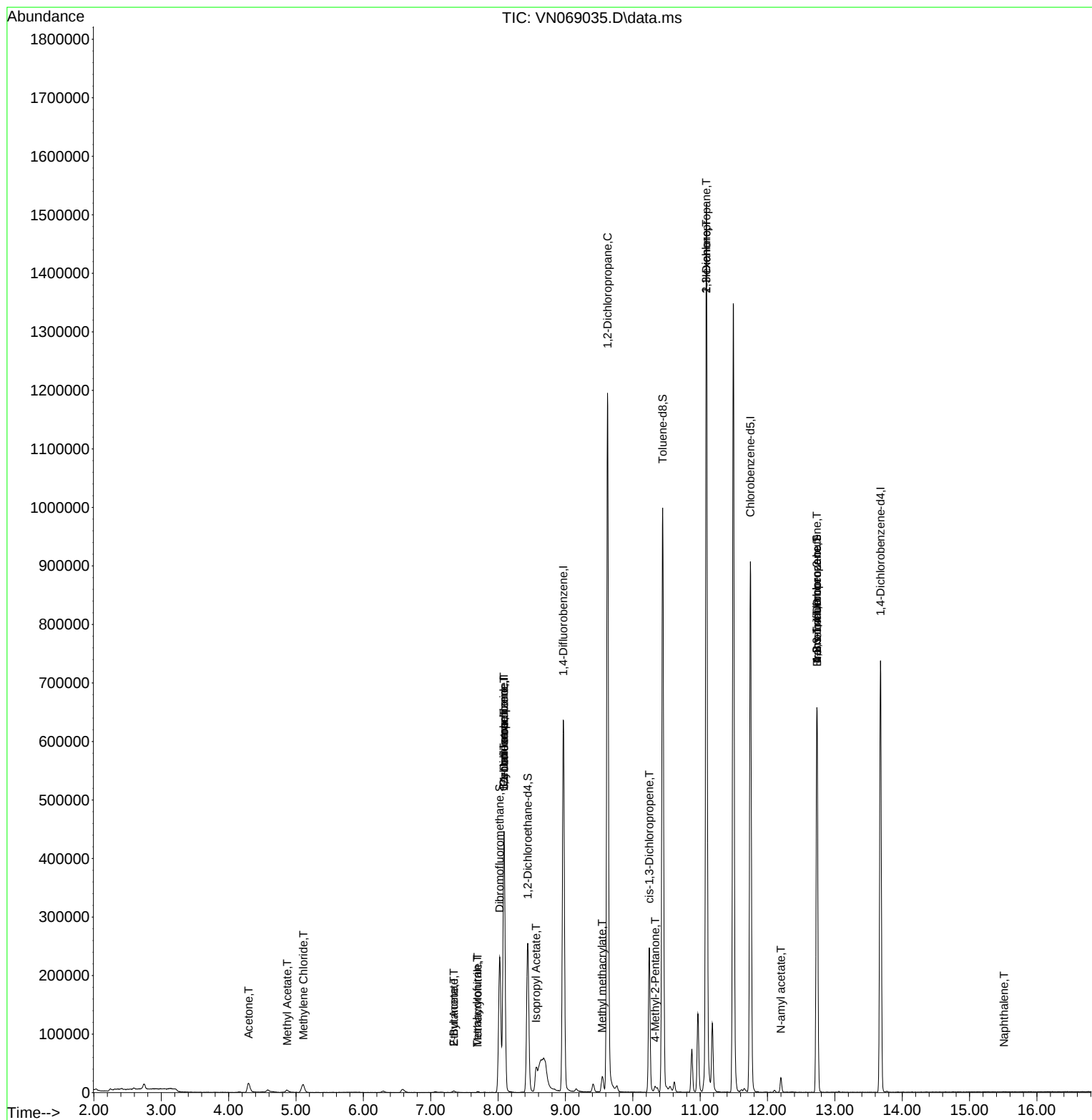
Internal Standards						
1) Pentafluorobenzene	8.088	168	334372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	580520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	538214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	198986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	215878	48.968	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.940%		
35) Dibromofluoromethane	8.024	113	173236	51.291	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.580%		
50) Toluene-d8	10.443	98	719733	53.258	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.520%		
62) 4-Bromofluorobenzene	12.733	95	243474	47.752	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.500%		
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	30932	18.801	ug/l	99
18) Methyl Acetate	4.870	43	8388	1.344	ug/l	91
20) Methylene Chloride	5.109	84	12144	3.207	ug/l	89
25) 2-Butanone	7.343	43	4709	1.893	ug/l	90
29) Tetrahydrofuran	7.689	42	637	0.395	ug/l #	44
31) Cyclohexane	8.088	56	7450	1.087	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	27700	5.586	ug/l #	49
37) Ethyl Acetate	7.343	43	4709	0.920	ug/l #	68
38) Carbon Tetrachloride	8.086	117	34804	6.391	ug/l #	16
41) Methacrylonitrile	7.697	41	750	0.291	ug/l #	24
43) Isopropyl Acetate	8.566	43	48539	5.372	ug/l #	82
45) 1,2-Dichloropropane	9.625	63	1373	0.350	ug/l #	43
48) Methyl methacrylate	9.545	41	7364	1.735	ug/l #	13
51) 4-Methyl-2-Pentanone	10.333	43	5816	1.110	ug/l	94
54) cis-1,3-Dichloropropene	10.245	75	46794	7.164	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	16760	2.654	ug/l #	42
59) 2-Hexanone	11.092	43	247607	65.901	ug/l #	50
71) Bromoform	12.736	173	1032	0.323	ug/l #	1
74) N-amyl acetate	12.197	43	8556	1.364	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	128247	30.291	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	128247	72.469	ug/l #	12
95) Naphthalene	15.512	128	84	3.820	ug/l #	69

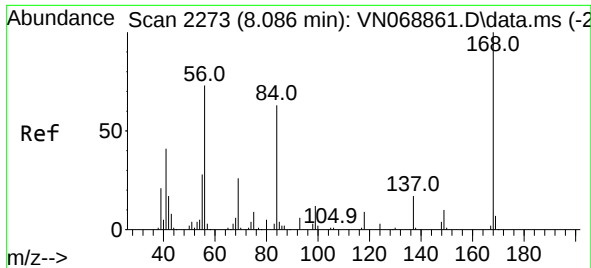
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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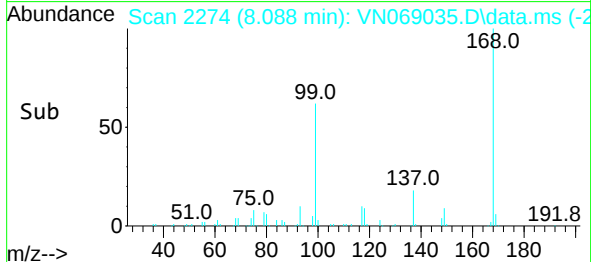
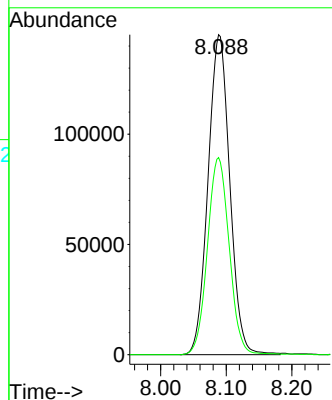
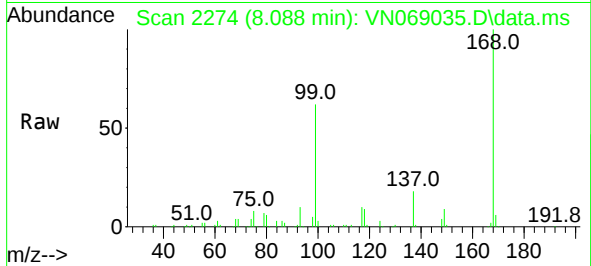




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

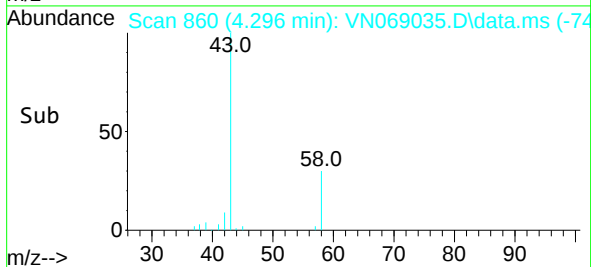
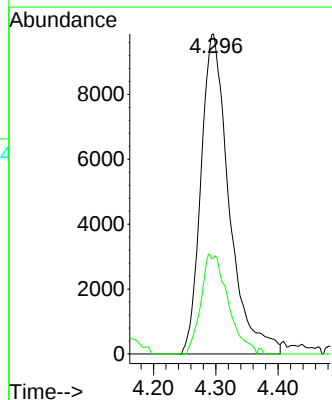
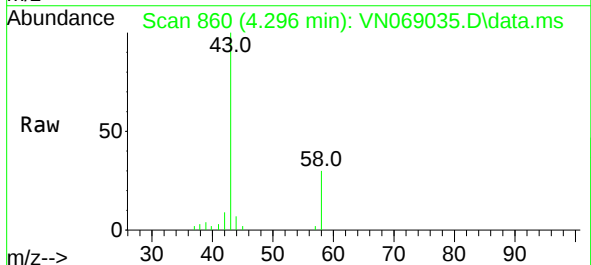
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 334372
Ion Ratio Lower Upper
168 100
99 61.6 48.9 73.3



#16
Acetone
Concen: 18.801 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

Tgt Ion: 43 Resp: 30932
Ion Ratio Lower Upper
43 100
58 29.9 24.5 36.7





#18

Methyl Acetate

Concen: 1.344 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.016 min

Lab File: VN069035.D

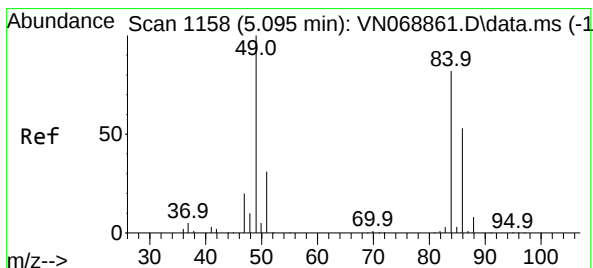
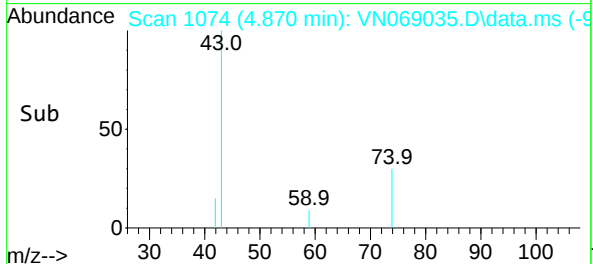
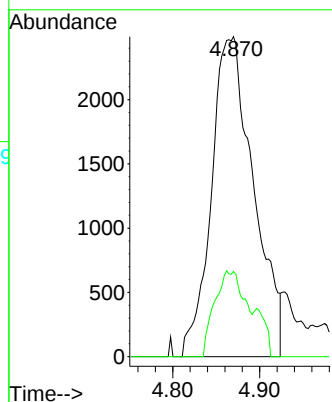
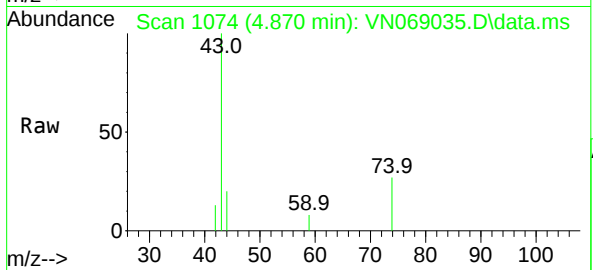
Acq: 19 Oct 2021 19:04

Tgt Ion: 43 Resp: 8388

Ion Ratio Lower Upper

43 100

74 19.1 18.9 28.3



#20

Methylene Chloride

Concen: 3.207 ug/l

RT: 5.109 min Scan# 1163

Delta R.T. 0.013 min

Lab File: VN069035.D

Acq: 19 Oct 2021 19:04

Tgt Ion: 84 Resp: 12144

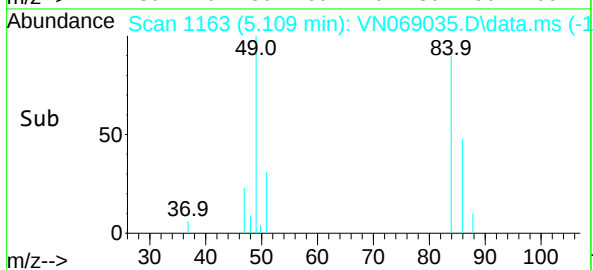
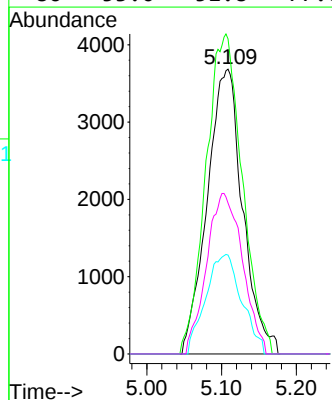
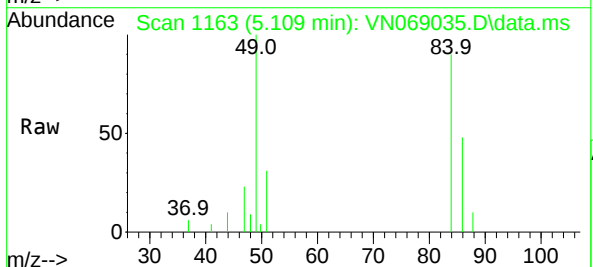
Ion Ratio Lower Upper

84 100

49 110.6 97.6 146.4

51 34.7 30.3 45.5

86 53.0 51.8 77.6

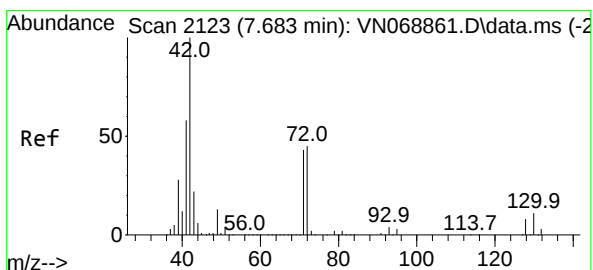
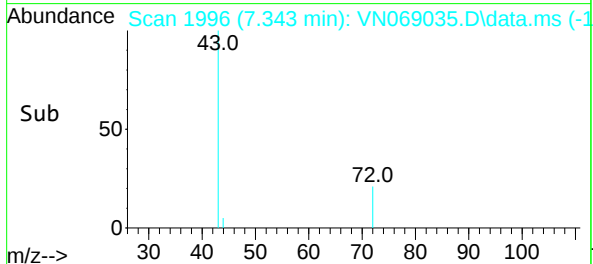
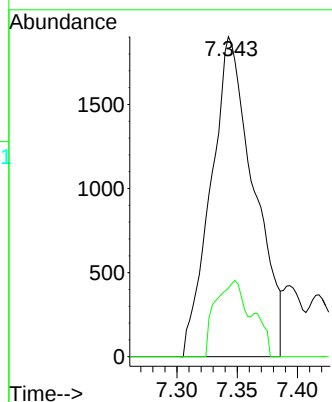
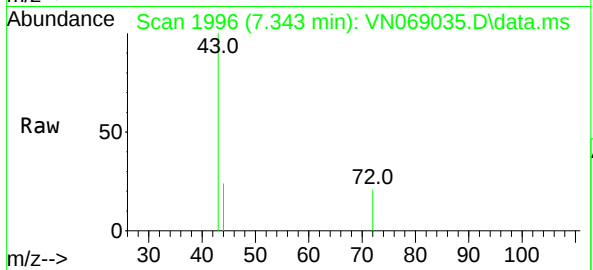




#25
2-Butanone
Concen: 1.893 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

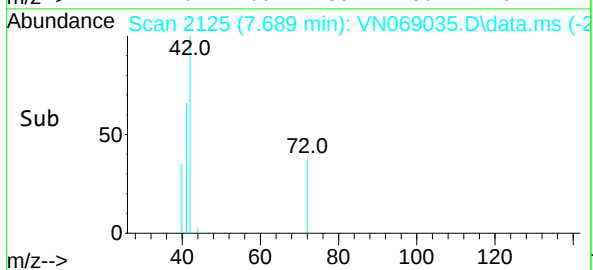
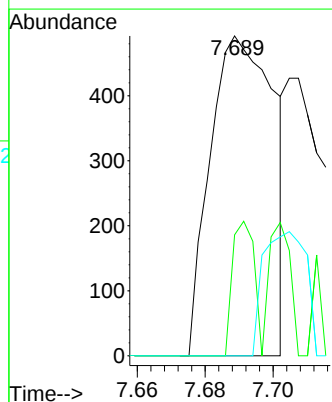
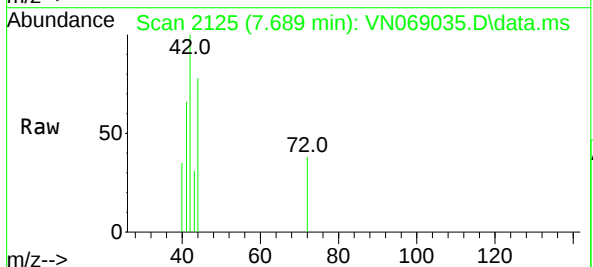
Instrument :
MSVOA_N
ClientSampled :

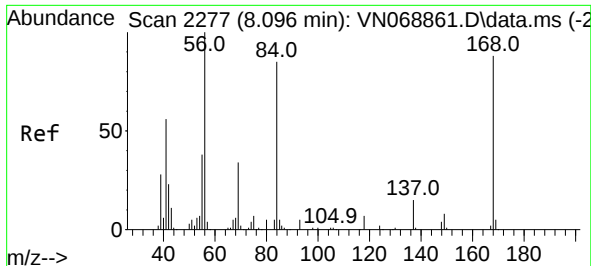
Tgt Ion: 43 Resp: 4709
Ion Ratio Lower Upper
43 100
72 21.4 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.395 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.005 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

Tgt Ion: 42 Resp: 637
Ion Ratio Lower Upper
42 100
72 14.3 35.4 53.2#
71 0.0 33.8 50.6#

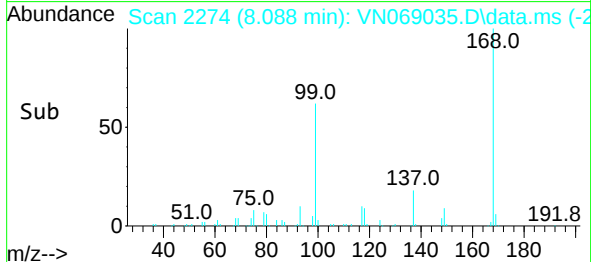
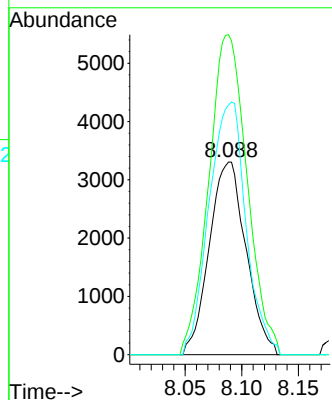
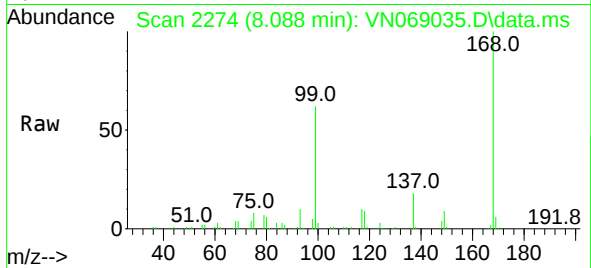




#31
Cyclohexane
Concen: 1.087 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

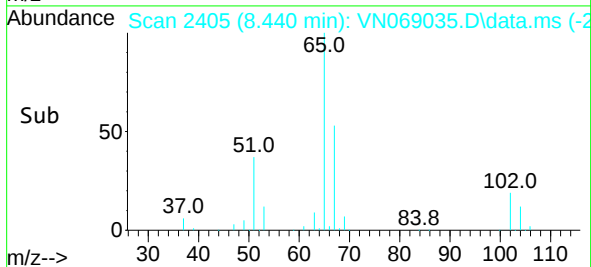
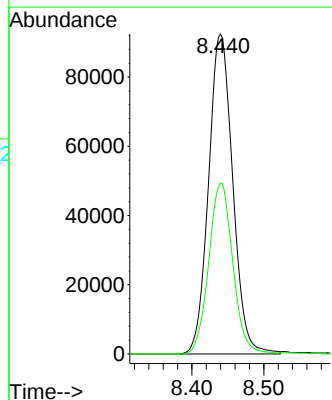
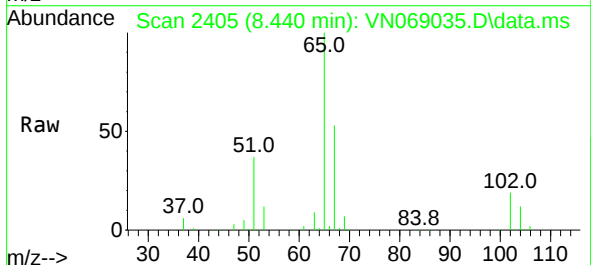
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 7450
Ion Ratio Lower Upper
56 100
69 166.1 26.9 40.3#
84 129.5 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.968 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

Tgt Ion: 65 Resp: 215878
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.8

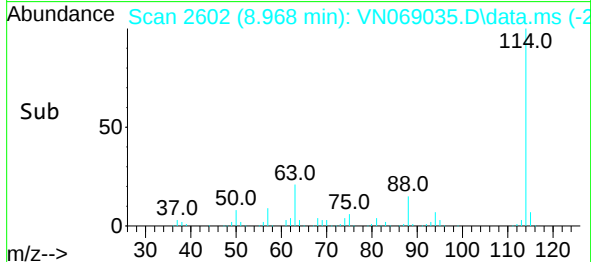
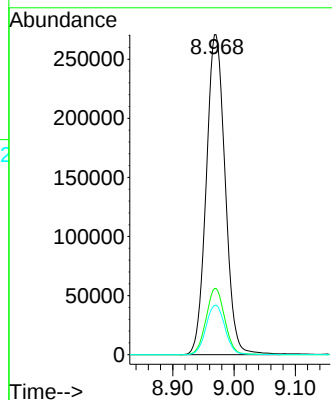
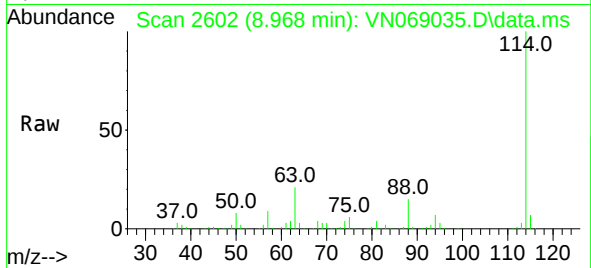




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

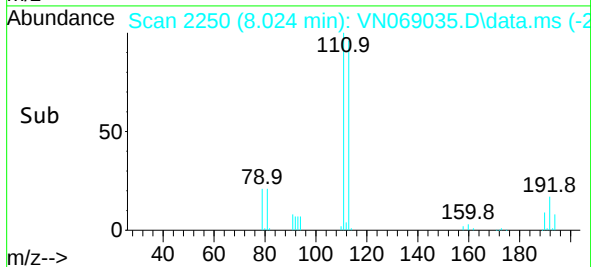
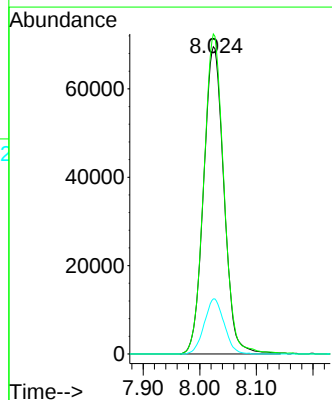
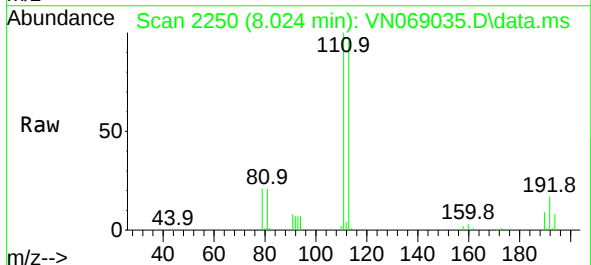
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ClientSampleId :

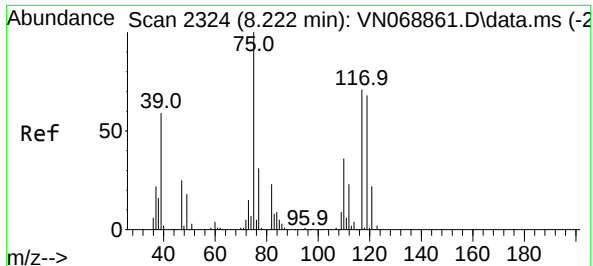
Tgt Ion:114 Resp: 580520
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.4 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.291 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

Tgt Ion:113 Resp: 173236
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 17.6 15.0 22.4

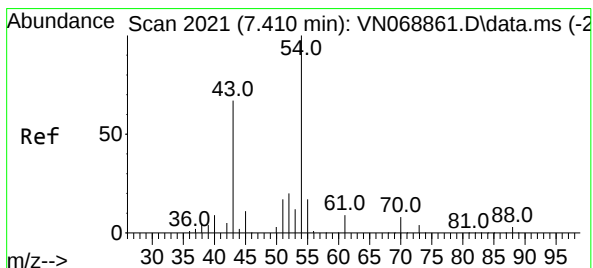
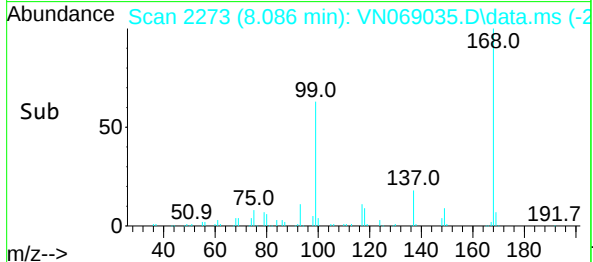
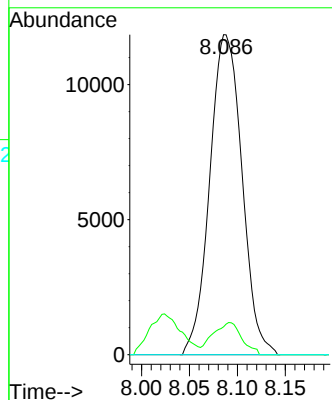
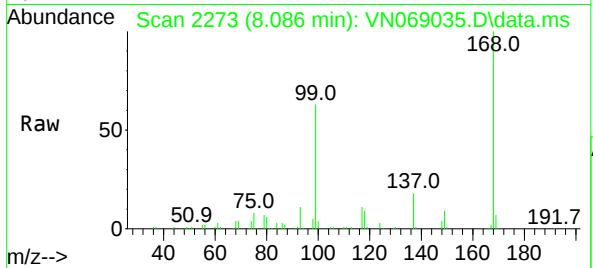




#36
1,1-Dichloropropene
Concen: 5.586 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

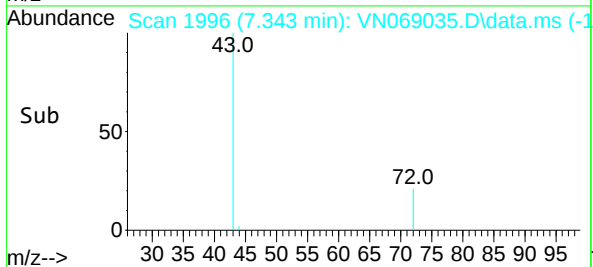
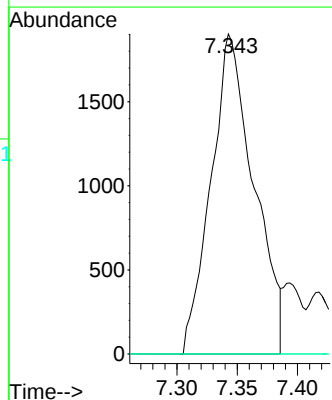
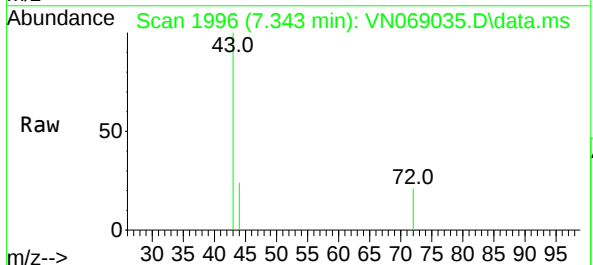
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MSVOA_N
ClientSampled :

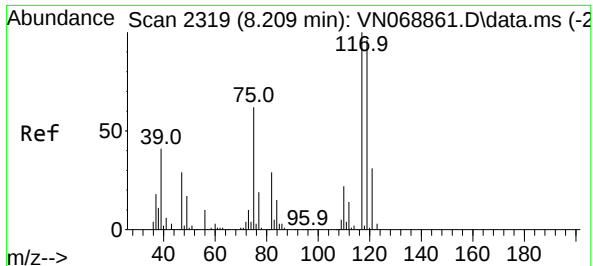
Tgt Ion: 75 Resp: 27700
Ion Ratio Lower Upper
75 100
110 9.0 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.920 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.067 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

Tgt Ion: 43 Resp: 4709
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#

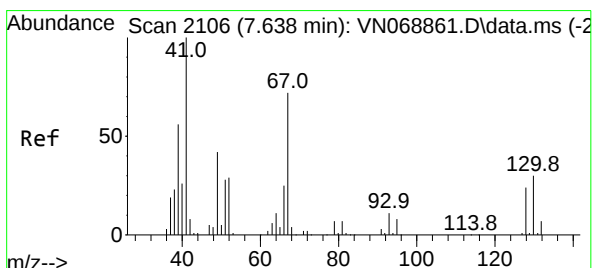
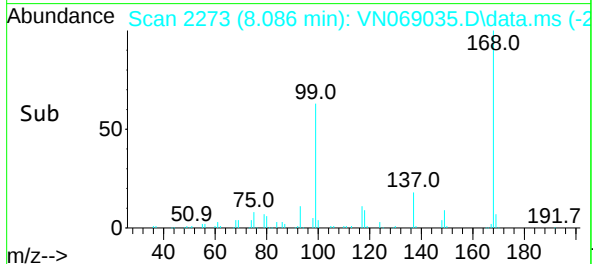
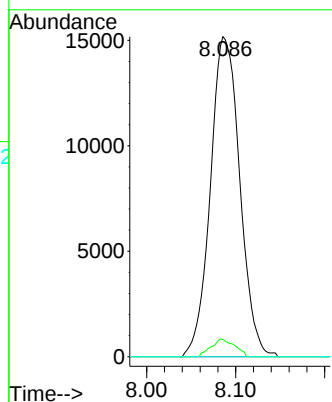
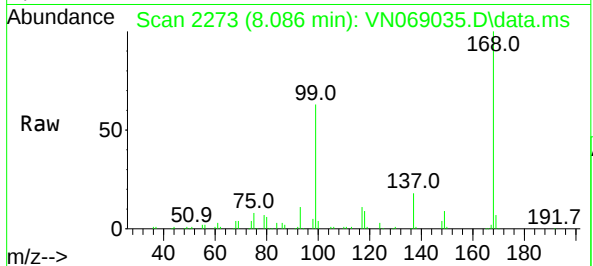




#38
Carbon Tetrachloride
Concen: 6.391 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

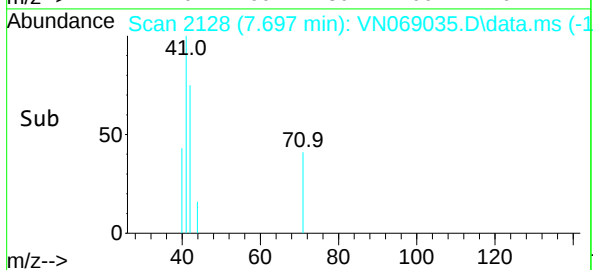
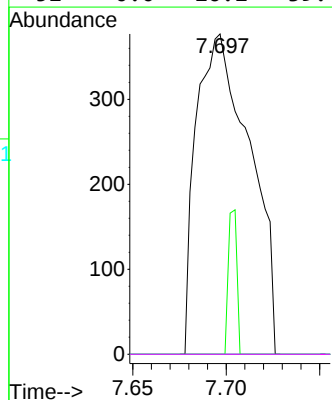
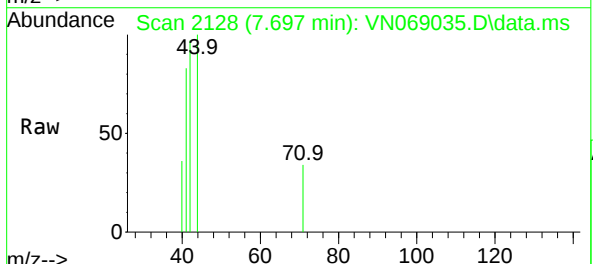
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MSVOA_N
ClientSampleId :

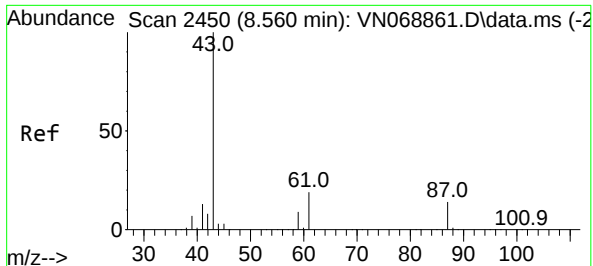
Tgt Ion:117 Resp: 34804
Ion Ratio Lower Upper
117 100
119 5.4 76.9 115.3#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.291 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

Tgt Ion: 41 Resp: 750
Ion Ratio Lower Upper
41 100
39 7.2 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

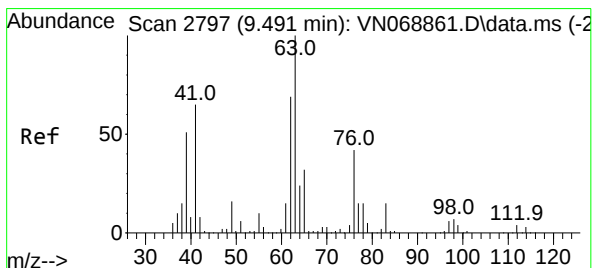
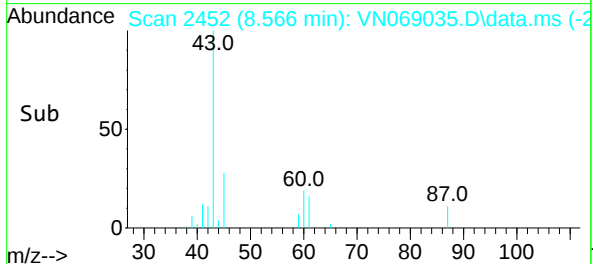
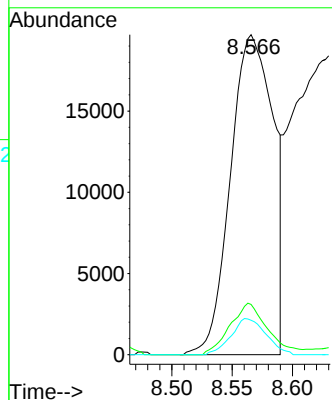
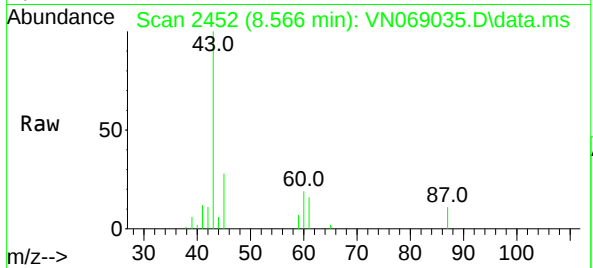




#43
Isopropyl Acetate
Concen: 5.372 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

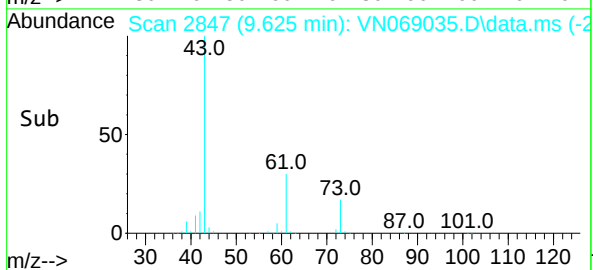
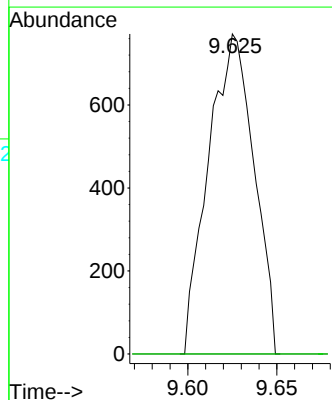
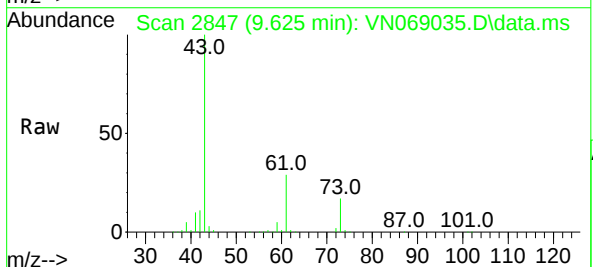
Instrument :
MSVOA_N
ClientSampled :

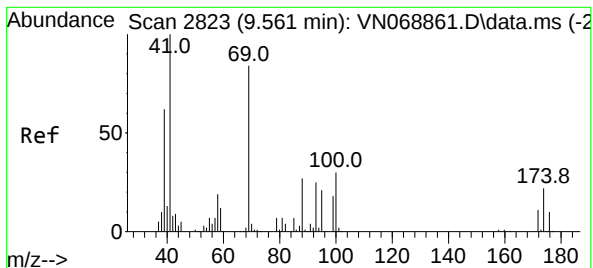
Tgt Ion: 43 Resp: 48539
Ion Ratio Lower Upper
43 100
61 14.2 20.4 30.6#
87 9.2 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.350 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

Tgt Ion: 63 Resp: 1373
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 1.735 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.016 min

Lab File: VN069035.D

Acq: 19 Oct 2021 19:04

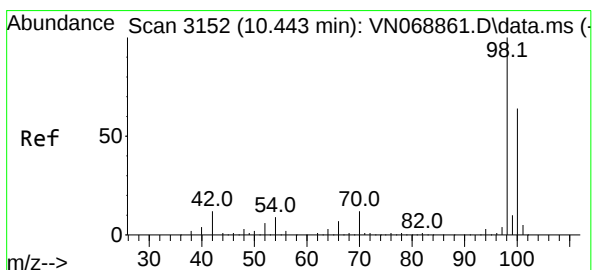
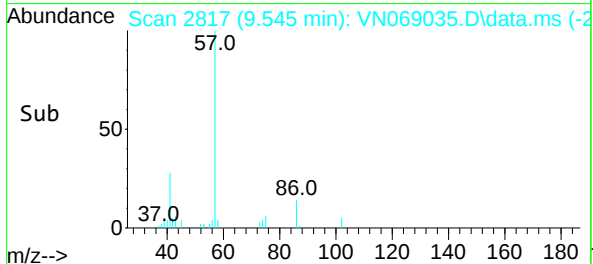
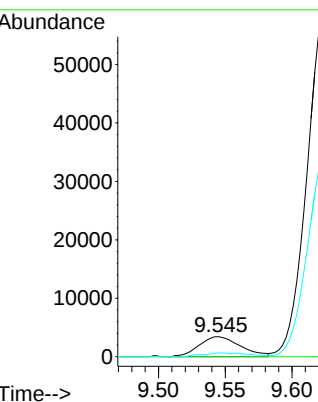
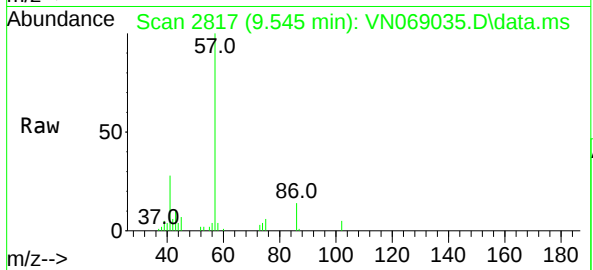
Tgt Ion: 41 Resp: 7364

Ion Ratio Lower Upper

41 100

69 0.0 66.4 99.6#

39 0.0 50.2 75.2#



#50

Toluene-d8

Concen: 53.258 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. -0.000 min

Lab File: VN069035.D

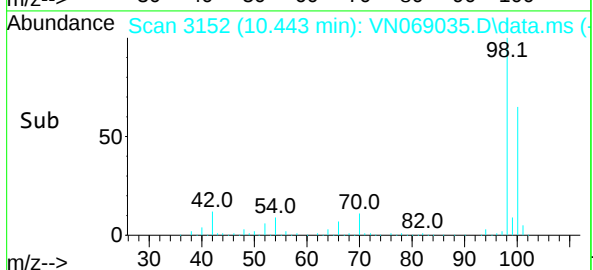
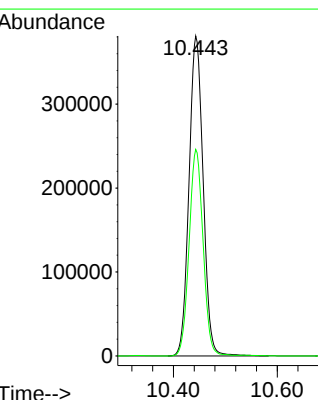
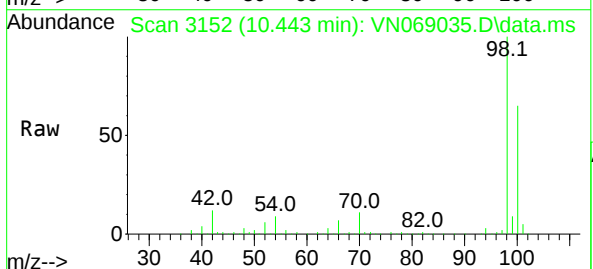
Acq: 19 Oct 2021 19:04

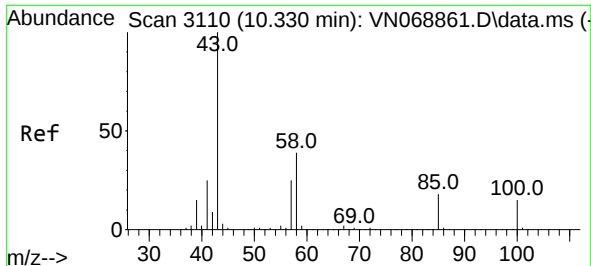
Tgt Ion: 98 Resp: 719733

Ion Ratio Lower Upper

98 100

100 64.0 51.5 77.3

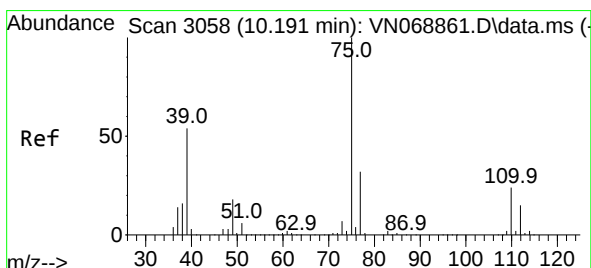
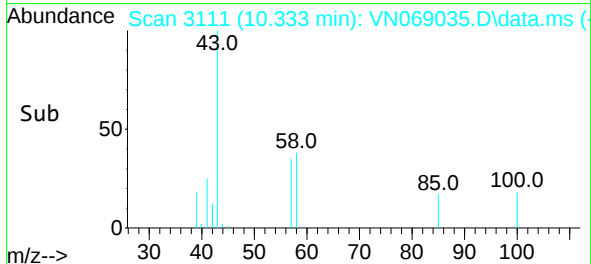
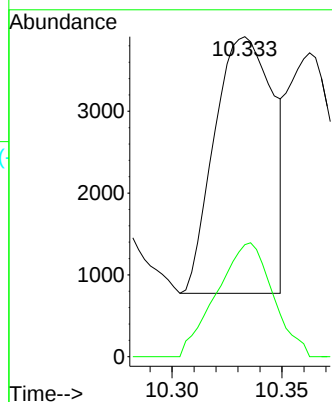
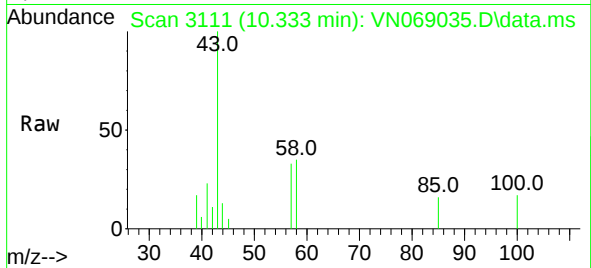




#51
4-Methyl-2-Pentanone
Concen: 1.110 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

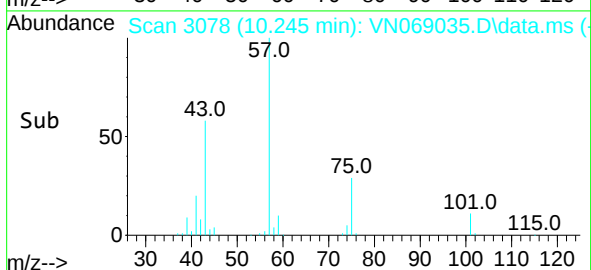
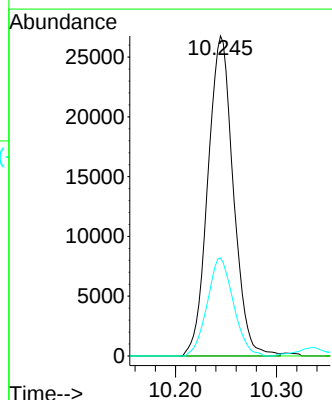
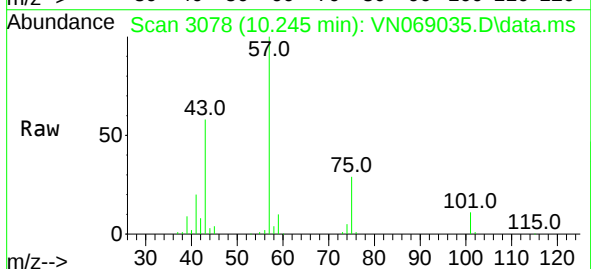
Instrument :
MSVOA_N
ClientSampled :

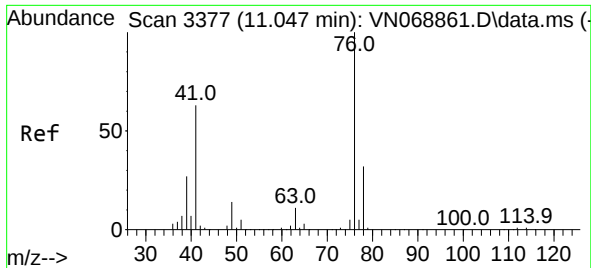
Tgt Ion: 43 Resp: 5816
Ion Ratio Lower Upper
43 100
58 42.5 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 7.164 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

Tgt Ion: 75 Resp: 46794
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 30.6 42.9 64.3#

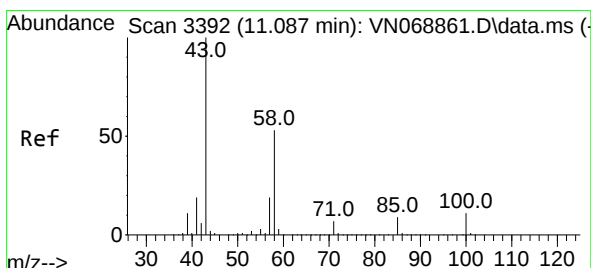
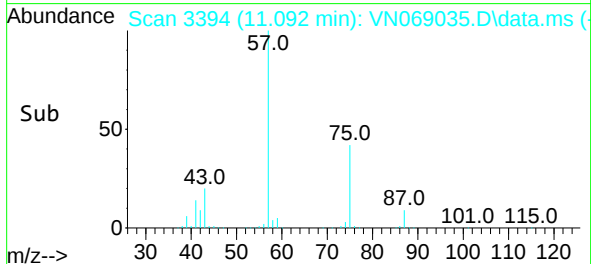
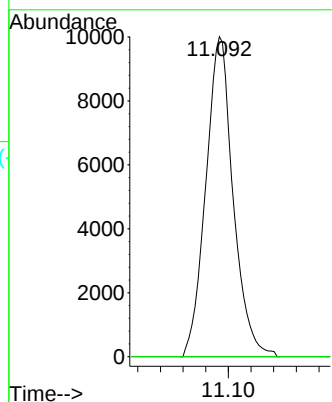
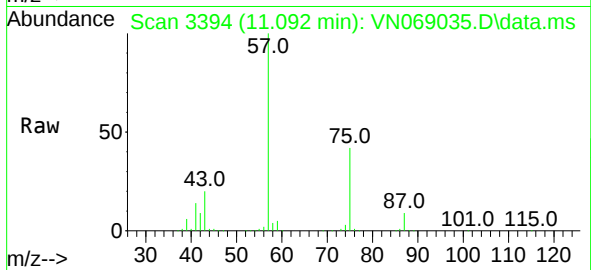




#57
1,3-Dichloropropane
Concen: 2.654 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

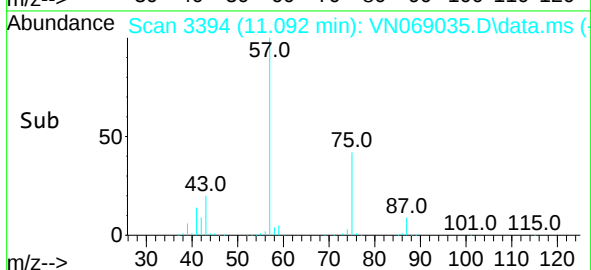
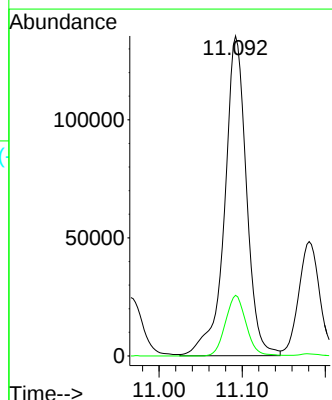
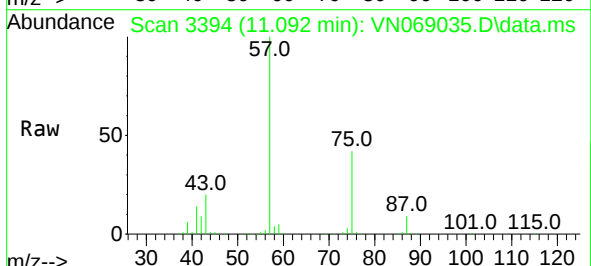
Instrument :
MSVOA_N
ClientSampled :

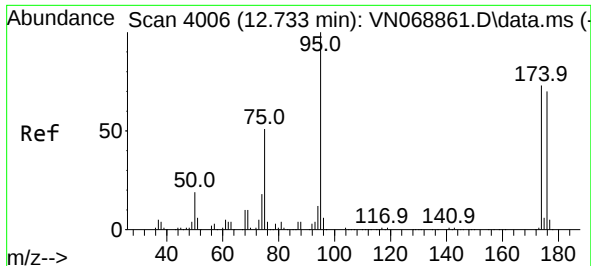
Tgt Ion: 76 Resp: 16760
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 65.901 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

Tgt Ion: 43 Resp: 247607
Ion Ratio Lower Upper
43 100
58 18.0 26.9 80.7#

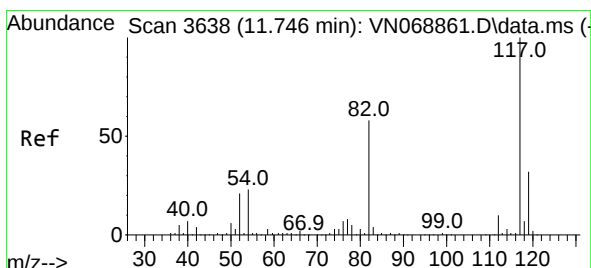
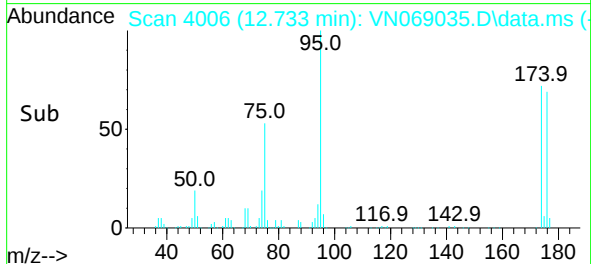
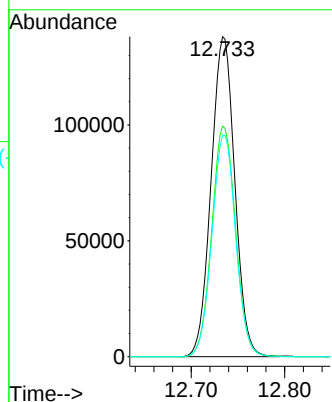
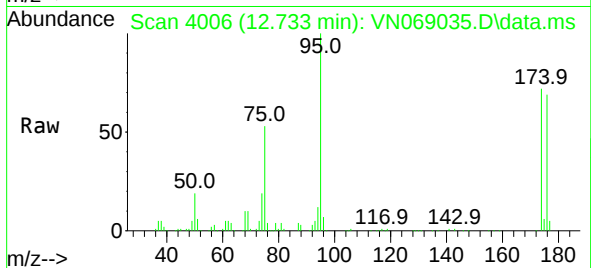




#62
4-Bromofluorobenzene
Concen: 47.752 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

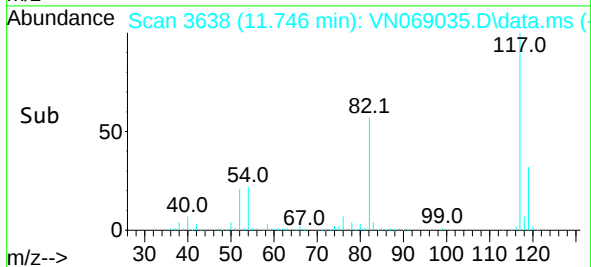
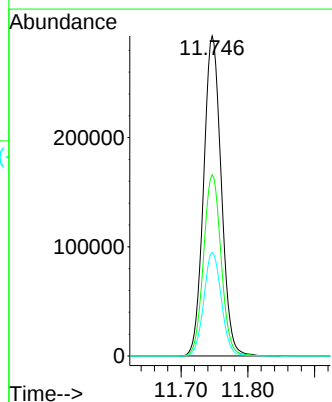
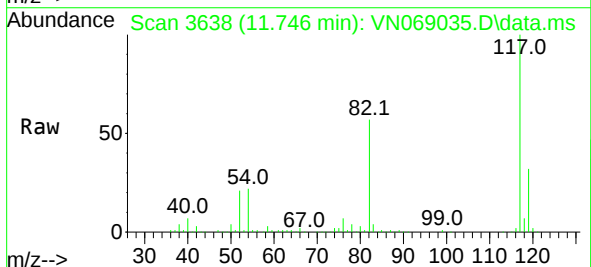
Instrument :
MSVOA_N
ClientSampled :

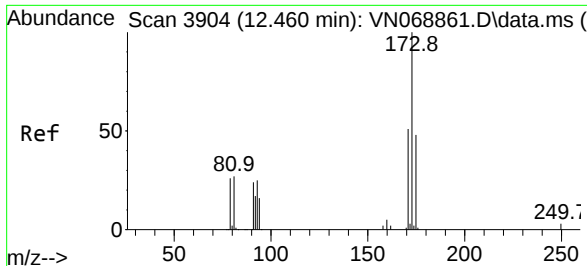
Tgt Ion: 95 Resp: 243474
Ion Ratio Lower Upper
95 100
174 72.4 0.0 144.8
176 69.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

Tgt Ion: 117 Resp: 538214
Ion Ratio Lower Upper
117 100
82 56.6 46.4 69.6
119 32.4 26.0 39.0

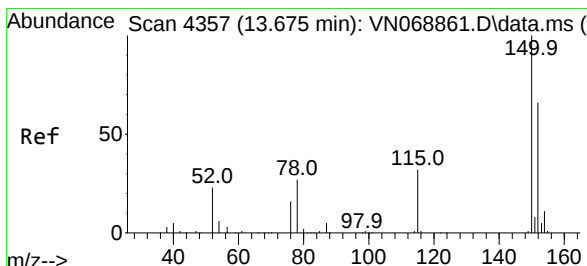
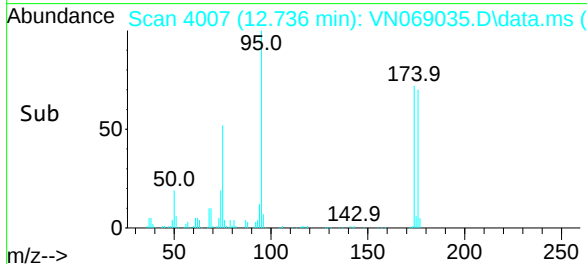
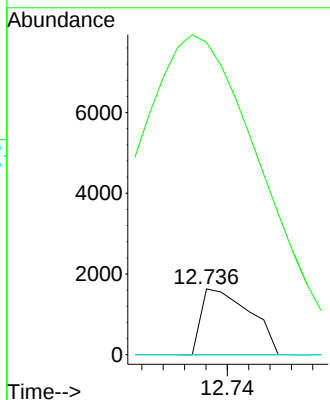
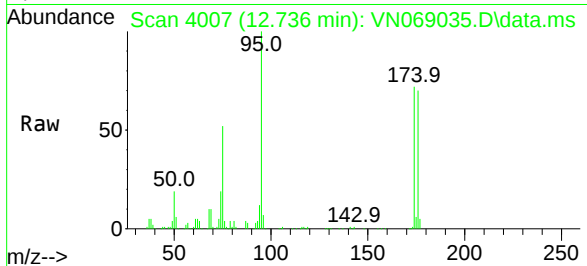




#71
Bromoform
Concen: 0.323 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

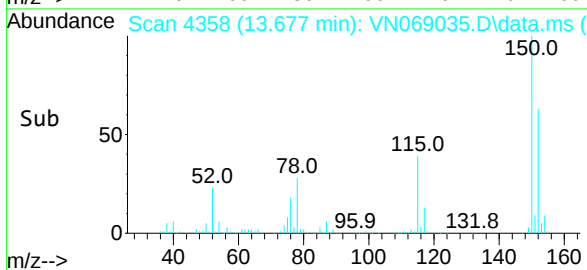
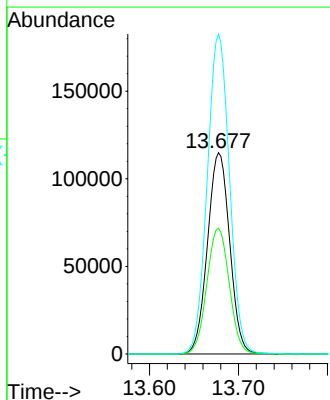
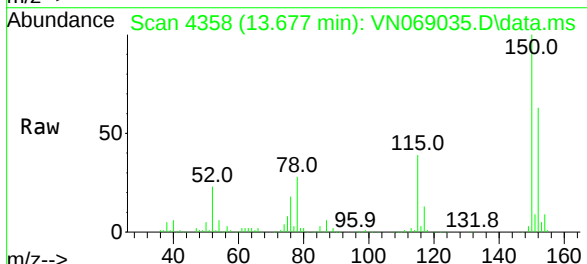
Instrument :
MSVOA_N
ClientSampleId :

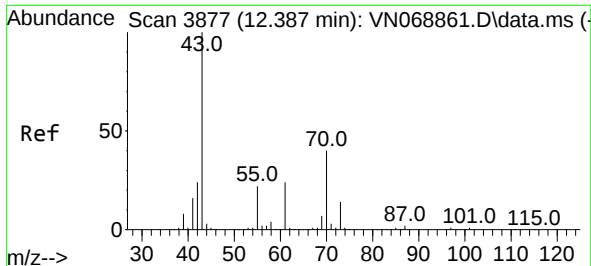
Tgt Ion:173 Resp: 1032
Ion Ratio Lower Upper
173 100
175 1238.6 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

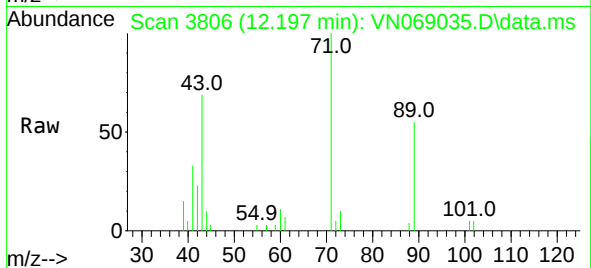
Tgt Ion:152 Resp: 198986
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.3
150 158.8 0.0 351.0



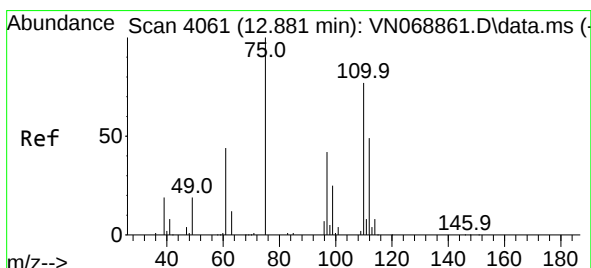
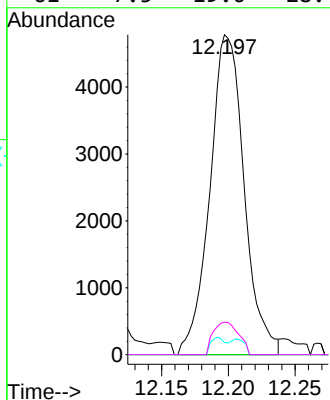
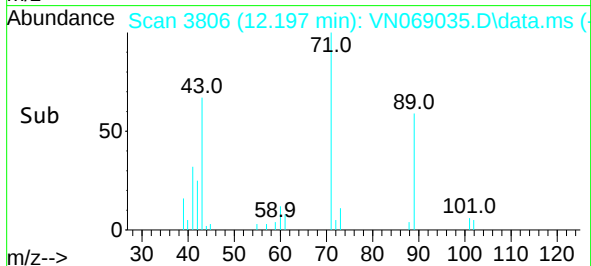


#74
N-amy1 acetate
Concen: 1.364 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

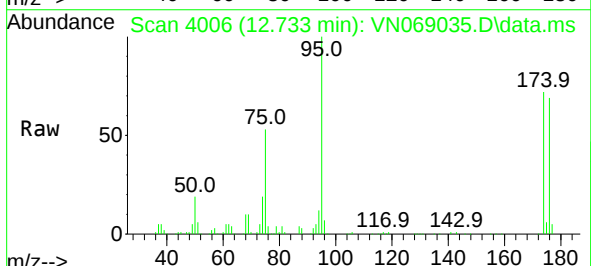
Instrument :
MSVOA_N
ClientSampled :



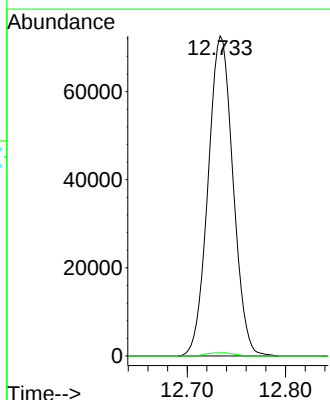
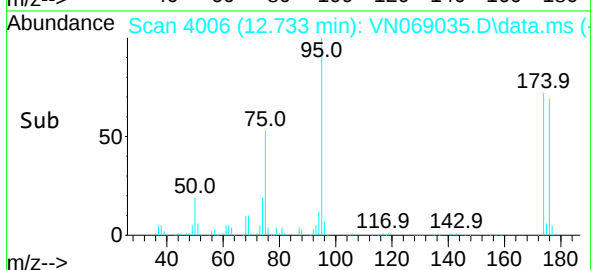
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.2#
55	2.4	18.0	27.0#
61	7.5	19.0	28.4#

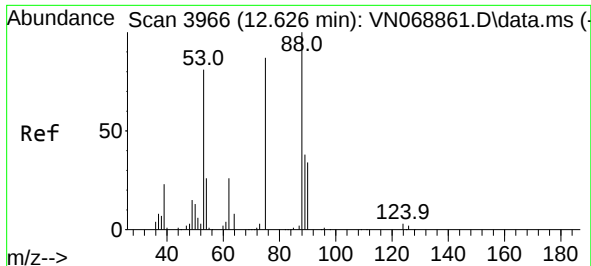


#76
1,2,3-Trichloropropane
Concen: 30.291 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04



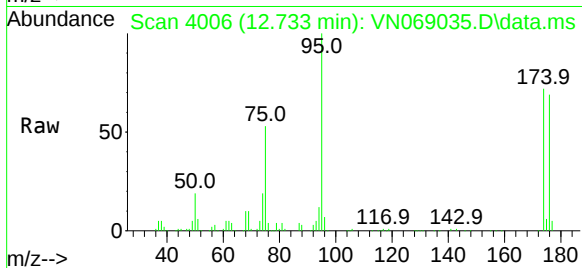
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	96.2	288.4#



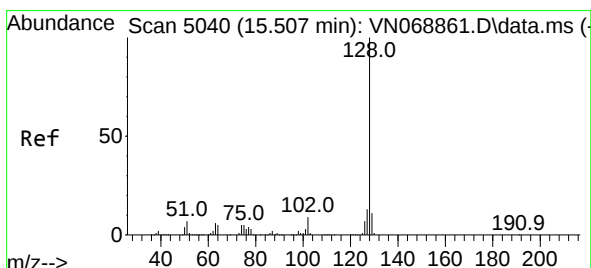
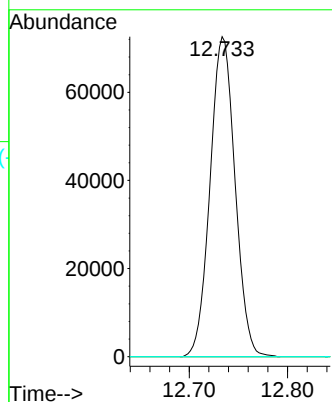
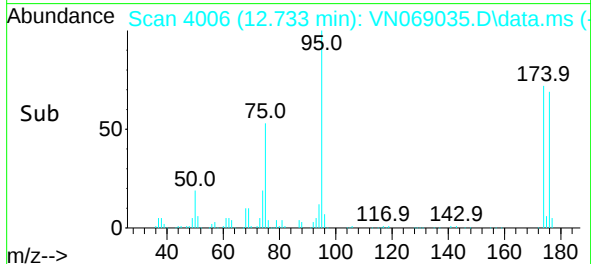


#81
trans-1,4-Dichloro-2-butene
Concen: 72.469 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04

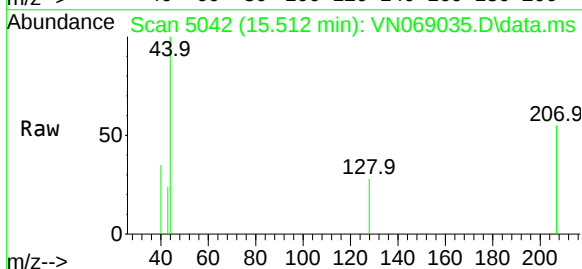
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 75 Resp: 128247
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.820 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069035.D
Acq: 19 Oct 2021 19:04



Tgt Ion: 128 Resp: 84
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

