

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069030.D
 Acq On : 19 Oct 2021 16:59
 Operator : JC/MD
 Sample : PB139960TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:49:14 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

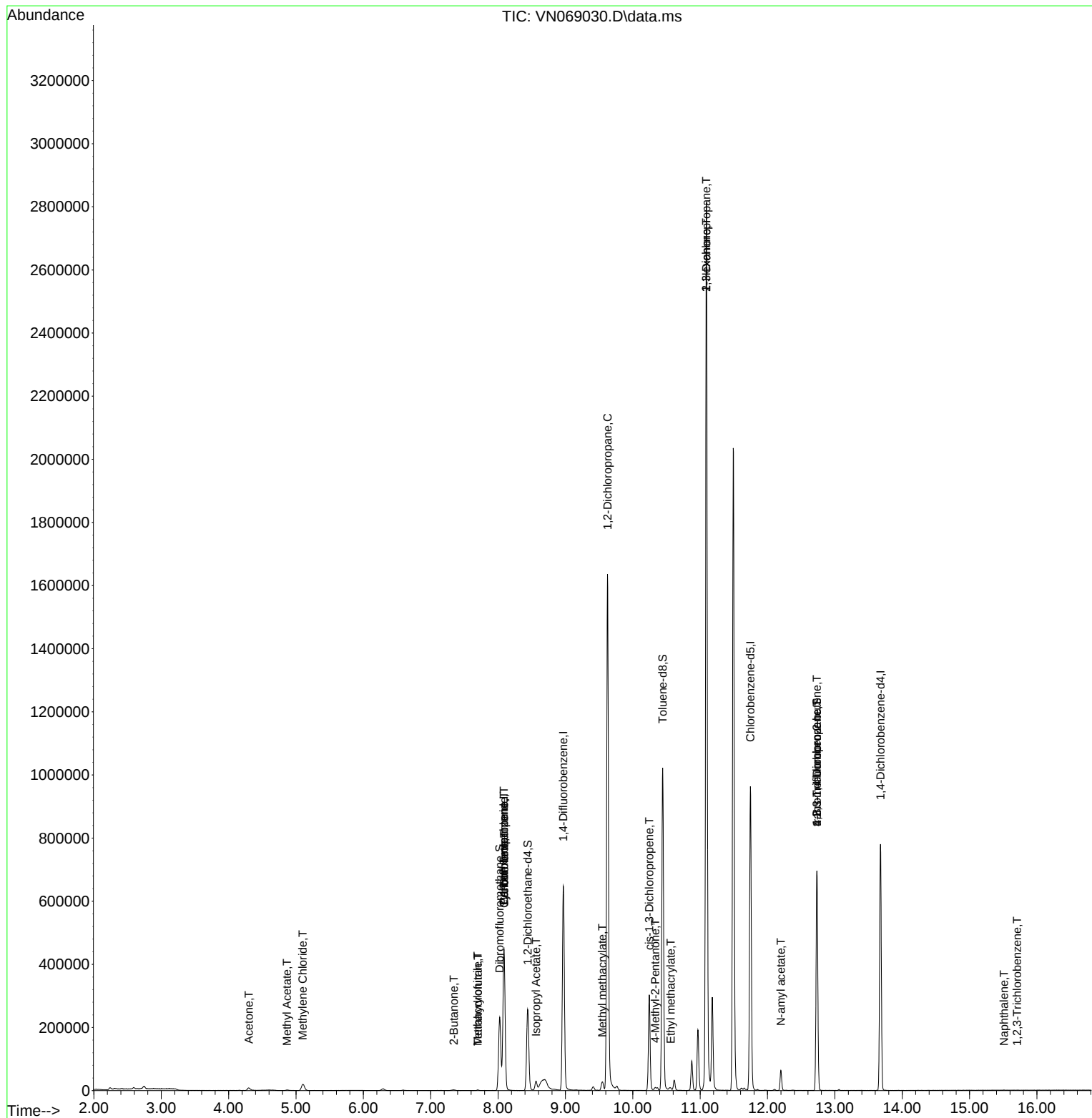
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	336707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	586895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	565269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	219661	49.480	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.960%
35) Dibromofluoromethane	8.024	113	173031	50.674	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.340%
50) Toluene-d8	10.443	98	735421	53.828	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.660%
62) 4-Bromofluorobenzene	12.734	95	262790	50.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.960%
Target Compounds						
					Qvalue	
16) Acetone	4.299	43	16646	10.048	ug/l	97
18) Methyl Acetate	4.867	43	3811	0.606	ug/l #	61
20) Methylene Chloride	5.101	84	17541	4.600	ug/l	92
25) 2-Butanone	7.343	43	3710	1.481	ug/l	98
29) Tetrahydrofuran	7.699	42	1320	0.812	ug/l #	56
31) Cyclohexane	8.091	56	7682	1.113	ug/l #	9
36) 1,1-Dichloropropene	8.086	75	27537	5.493	ug/l #	49
38) Carbon Tetrachloride	8.088	117	34756	6.313	ug/l #	16
41) Methacrylonitrile	7.697	41	775	0.297	ug/l #	26
43) Isopropyl Acetate	8.563	43	35252	3.859	ug/l #	90
45) 1,2-Dichloropropane	9.625	63	1893	0.478	ug/l #	43
48) Methyl methacrylate	9.547	41	7260	1.691	ug/l #	13
51) 4-Methyl-2-Pentanone	10.333	43	5024	0.948	ug/l	90
54) cis-1,3-Dichloropropene	10.245	75	57683	8.735	ug/l #	62
56) Ethyl methacrylate	10.564	69	4265	0.656	ug/l #	93
57) 1,3-Dichloropropane	11.092	76	30360	4.755	ug/l #	42
59) 2-Hexanone	11.092	43	440410	115.942	ug/l #	50
74) N-amyl acetate	12.197	43	20976	3.157	ug/l #	54
76) 1,2,3-Trichloropropane	12.734	75	137544	30.677	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	137544	73.392	ug/l #	12
95) Naphthalene	15.509	128	870	3.894	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	49	2.528	ug/l #	12

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

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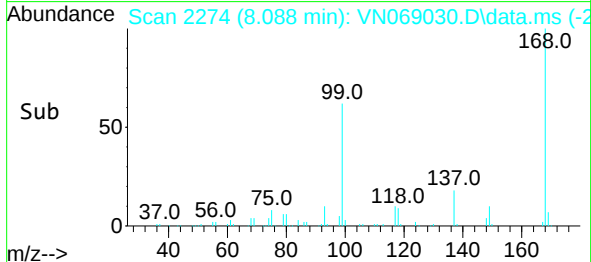
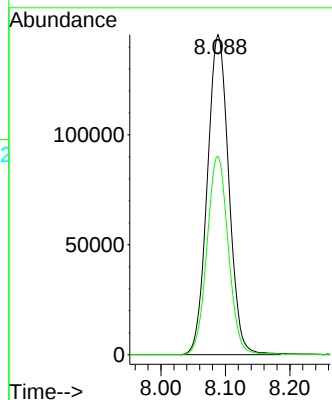
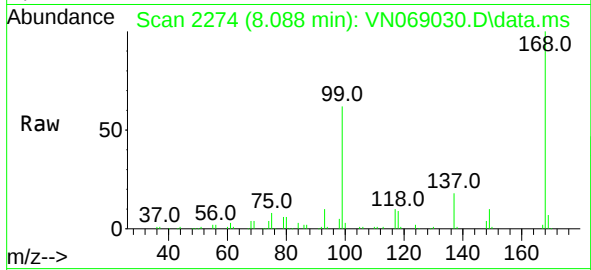




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

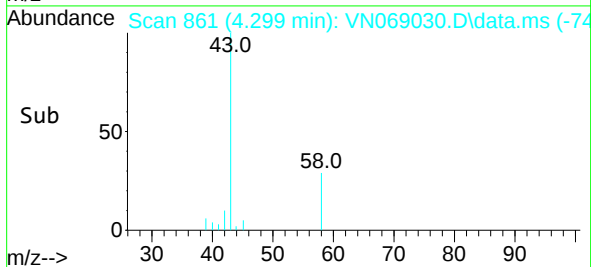
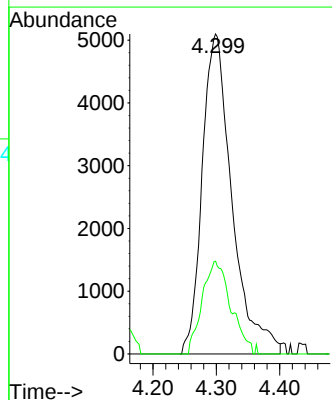
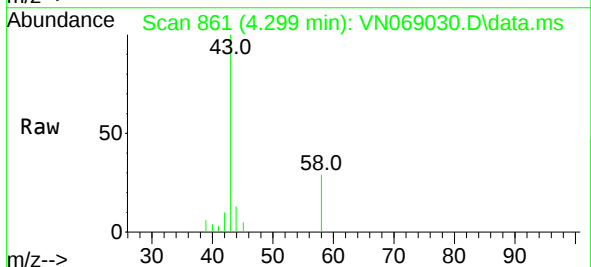
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 336707
Ion Ratio Lower Upper
168 100
99 62.0 48.9 73.3



#16
Acetone
Concen: 10.048 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 43 Resp: 16646
Ion Ratio Lower Upper
43 100
58 29.0 24.5 36.7





#18

Methyl Acetate

Concen: 0.606 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.013 min

Lab File: VN069030.D

Acq: 19 Oct 2021 16:59

Tgt Ion: 43 Resp: 3811

Ion Ratio Lower Upper

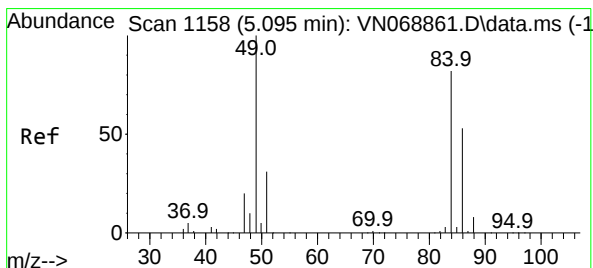
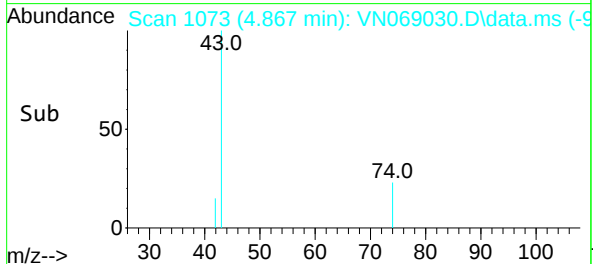
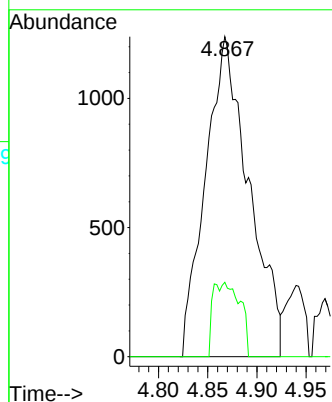
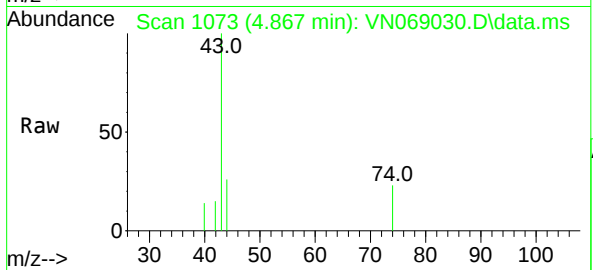
43 100

74 4.4 18.9 28.3#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 4.600 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.005 min

Lab File: VN069030.D

Acq: 19 Oct 2021 16:59

Tgt Ion: 84 Resp: 17541

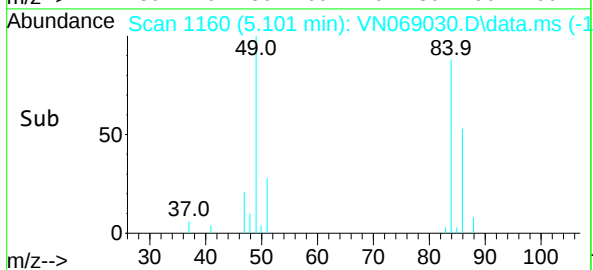
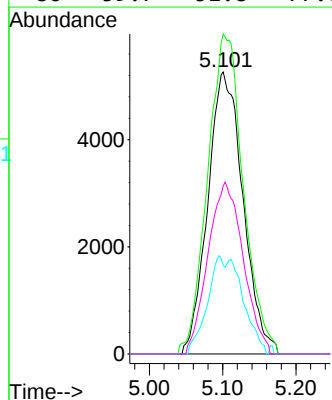
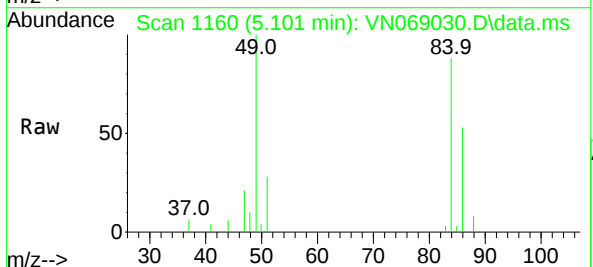
Ion Ratio Lower Upper

84 100

49 113.5 97.6 146.4

51 31.4 30.3 45.5

86 59.7 51.8 77.6

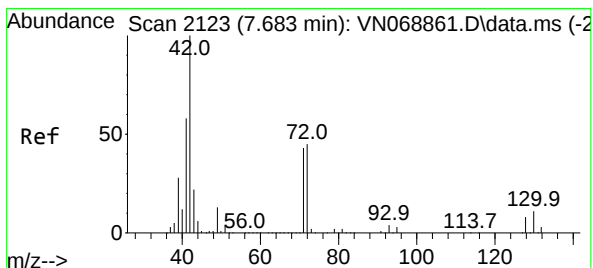
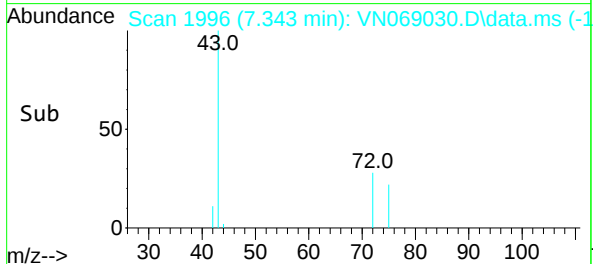
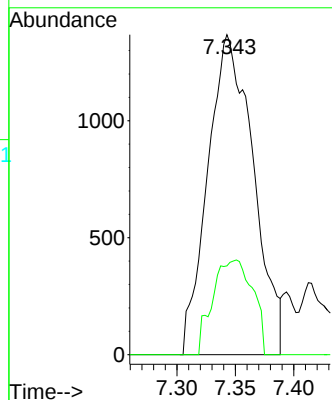
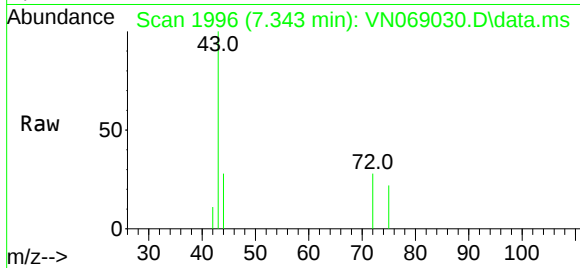




#25
2-Butanone
Concen: 1.481 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

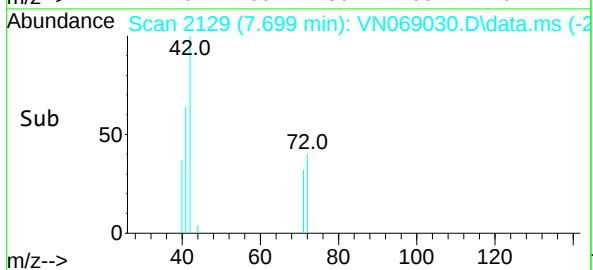
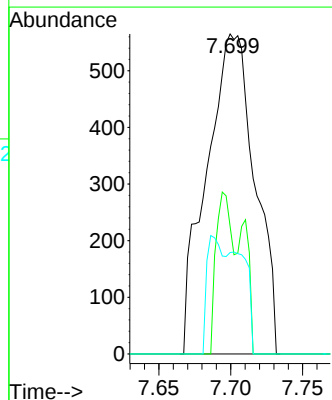
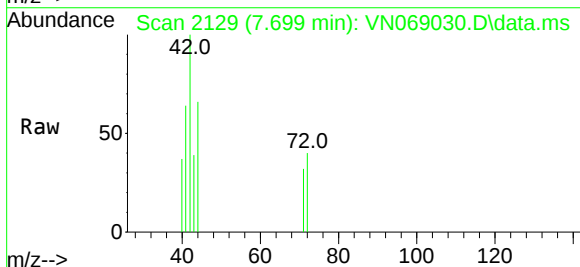
Instrument :
MSVOA_N
ClientSampled :

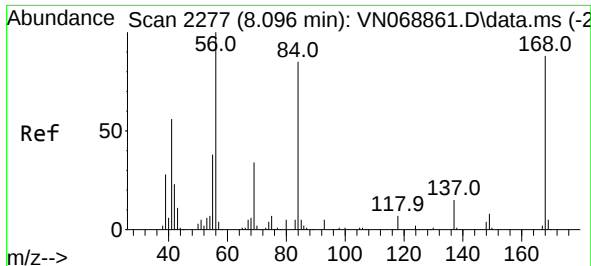
Tgt Ion: 43 Resp: 3710
Ion Ratio Lower Upper
43 100
72 27.8 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.812 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 42 Resp: 1320
Ion Ratio Lower Upper
42 100
72 16.8 35.4 53.2#
71 13.6 33.8 50.6#

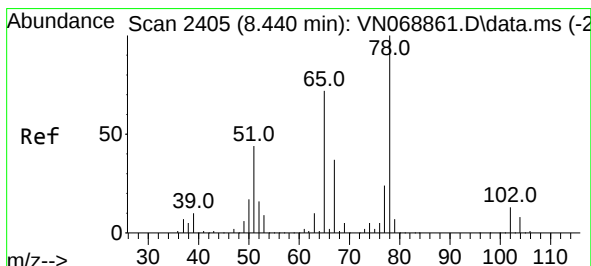
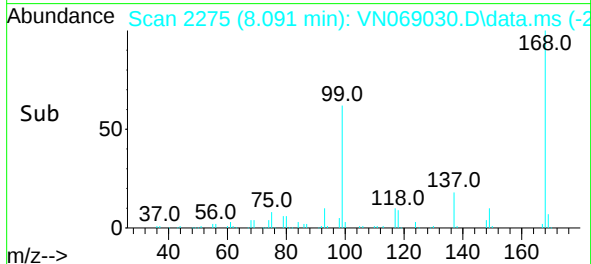
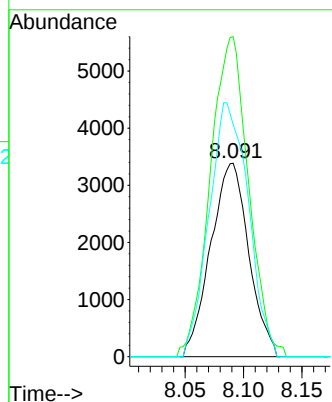
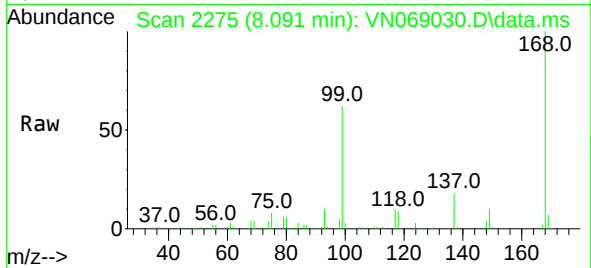




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

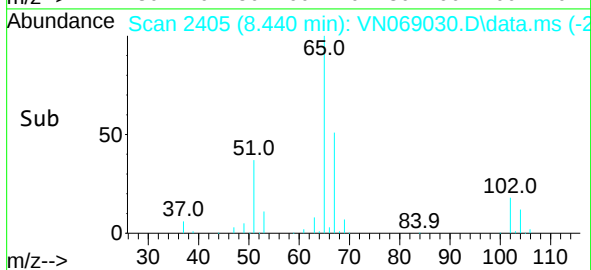
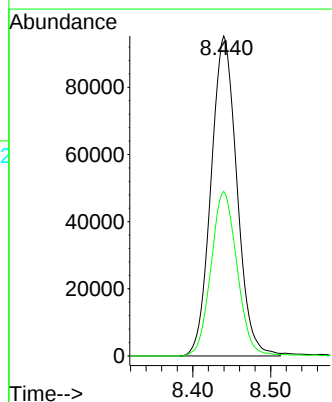
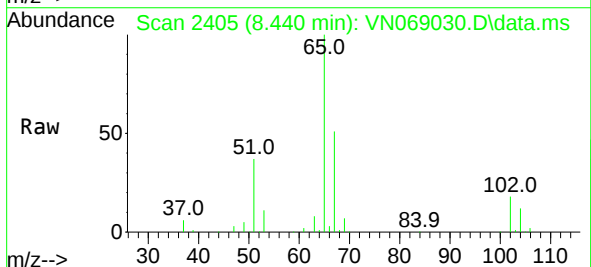
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 7682
Ion Ratio Lower Upper
56 100
69 160.5 26.9 40.3#
84 120.0 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.480 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 65 Resp: 219661
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.8

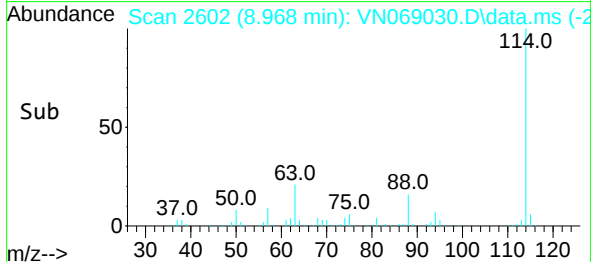
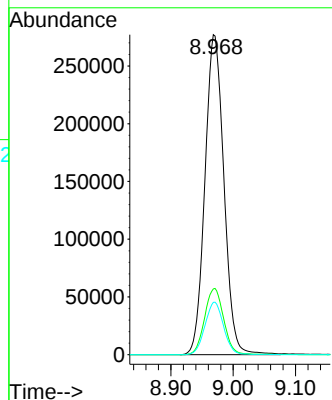
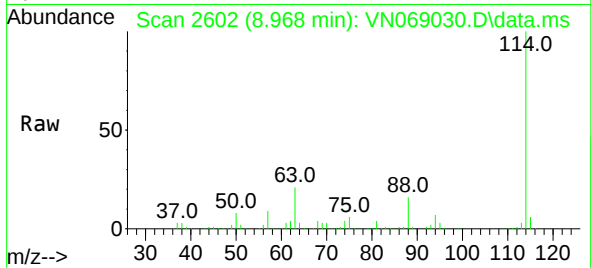




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

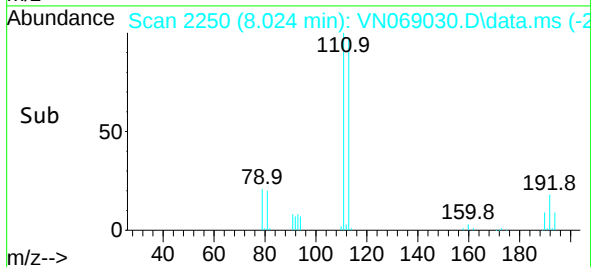
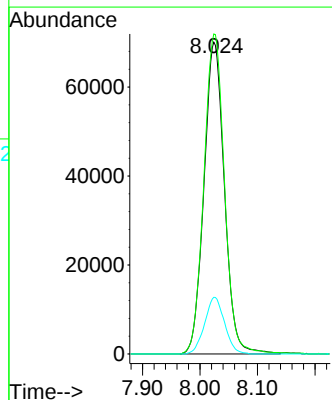
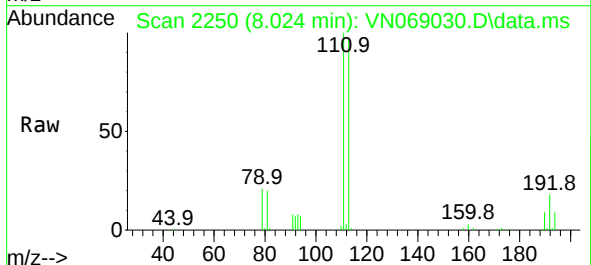
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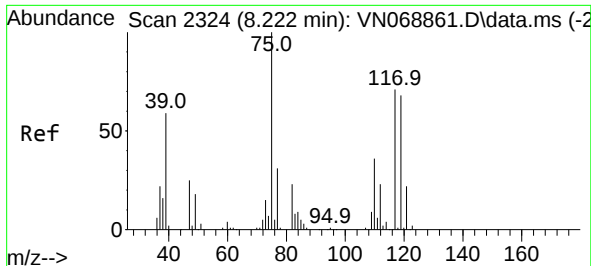
Tgt Ion:114 Resp: 586895
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.6
88 16.4 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.674 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion:113 Resp: 173031
Ion Ratio Lower Upper
113 100
111 103.7 83.2 124.8
192 17.7 15.0 22.4

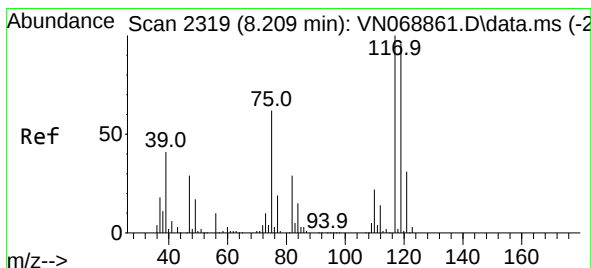
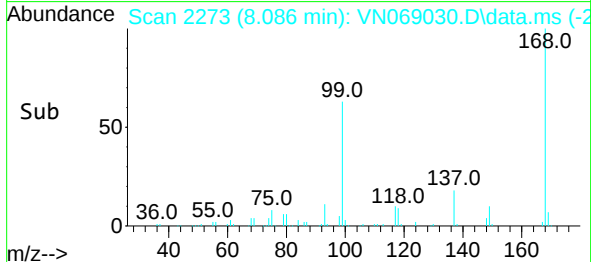
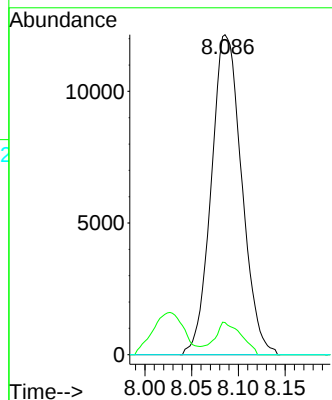
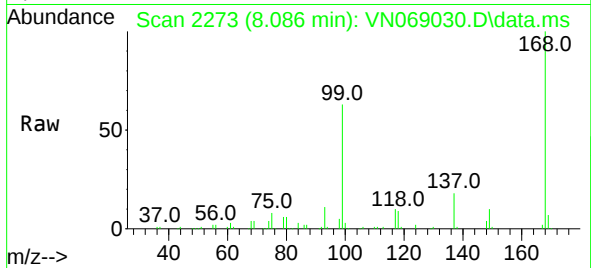




#36
1,1-Dichloropropene
Concen: 5.493 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

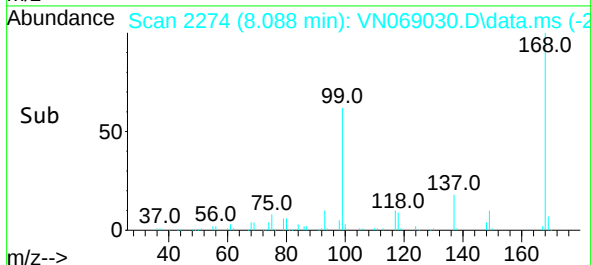
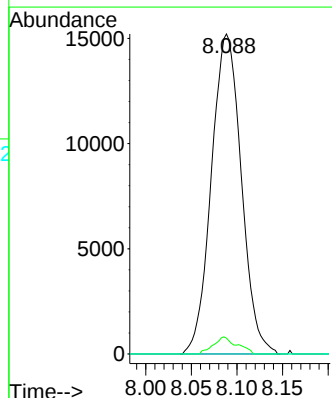
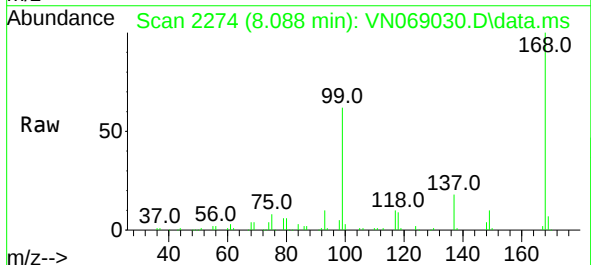
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ClientSampled :

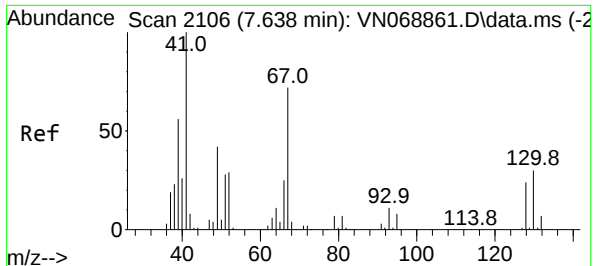
Tgt Ion: 75 Resp: 27537
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.313 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 117 Resp: 34756
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.6 37.0#

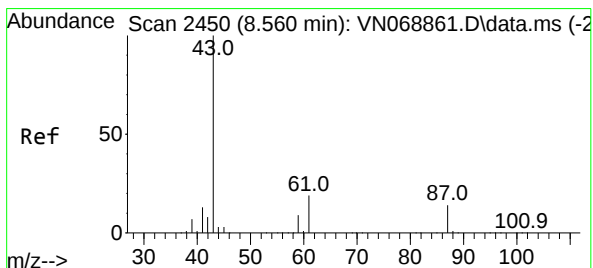
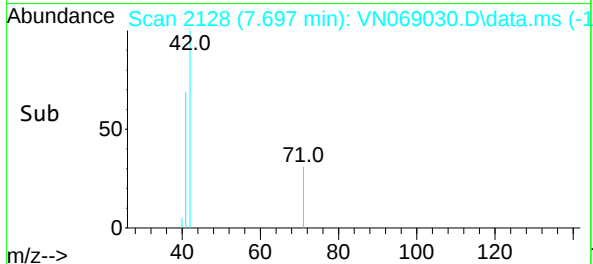
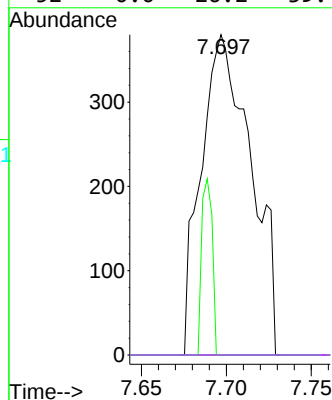
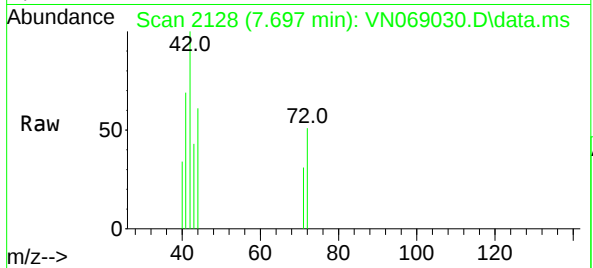




#41
Methacrylonitrile
Concen: 0.297 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

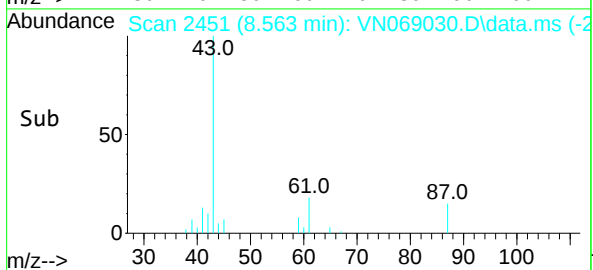
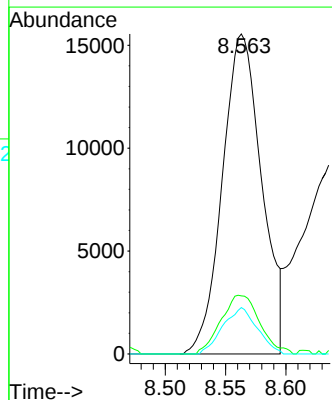
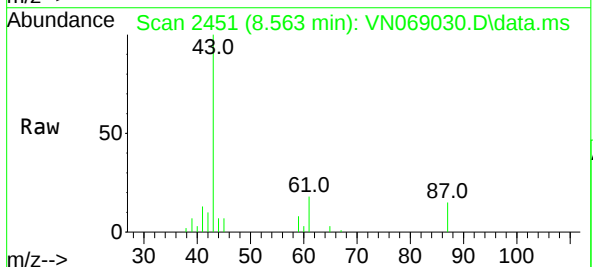
Instrument :
MSVOA_N
ClientSampled :

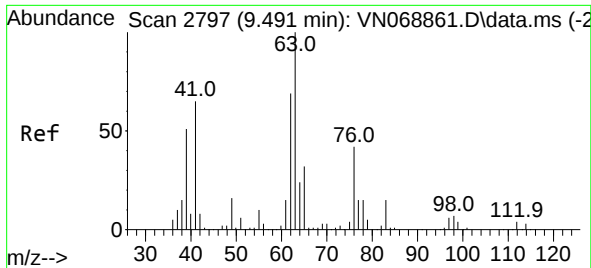
Tgt Ion: 41	Resp: 775
Ion Ratio	Lower Upper
41 100	
39 11.6	44.9 67.3#
67 0.0	62.6 93.8#
52 0.0	26.2 39.4#



#43
Isopropyl Acetate
Concen: 3.859 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 43	Resp: 35252
Ion Ratio	Lower Upper
43 100	
61 18.1	20.4 30.6#
87 12.7	10.7 16.1

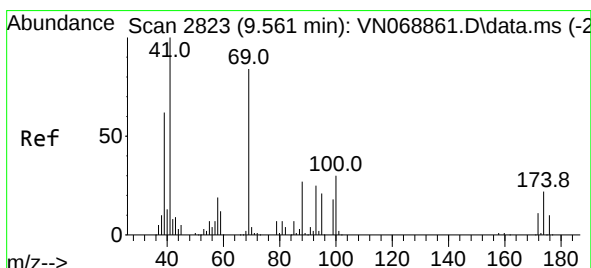
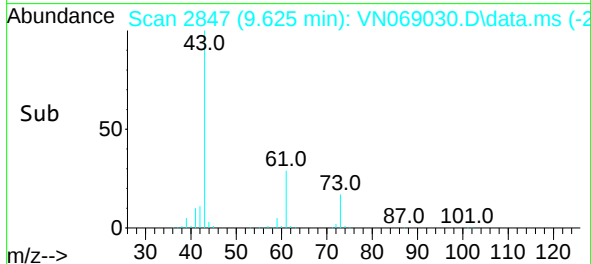
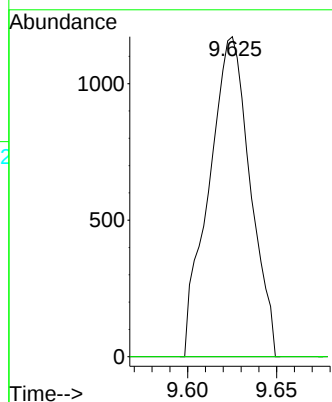
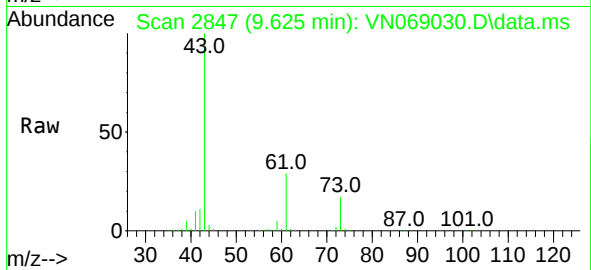




#45
1,2-Dichloropropane
Concen: 0.478 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

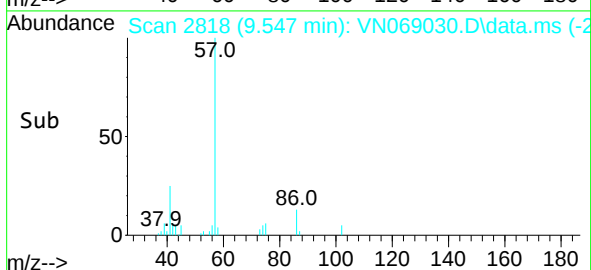
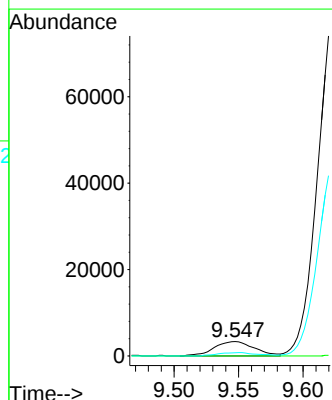
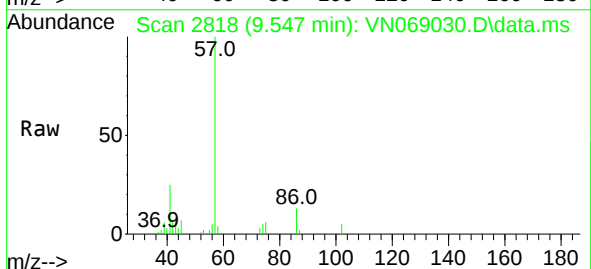
Instrument :
MSVOA_N
ClientSampled :

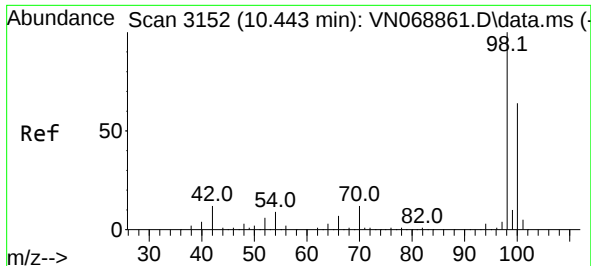
Tgt Ion: 63 Resp: 1893
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.691 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 41 Resp: 7260
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

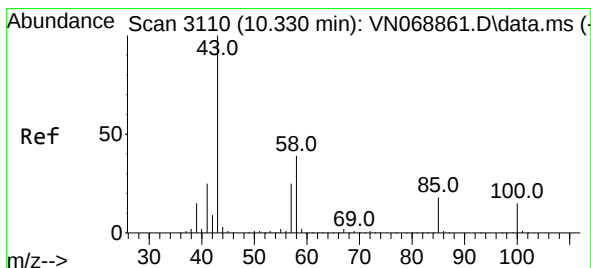
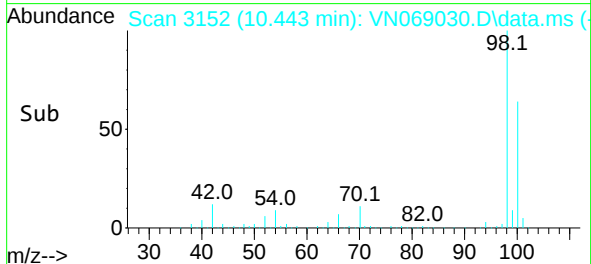
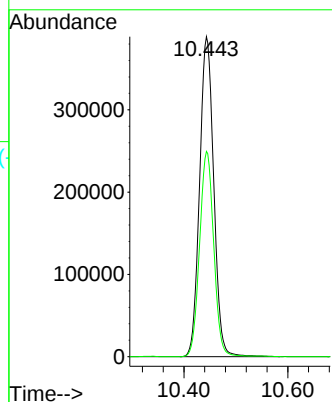
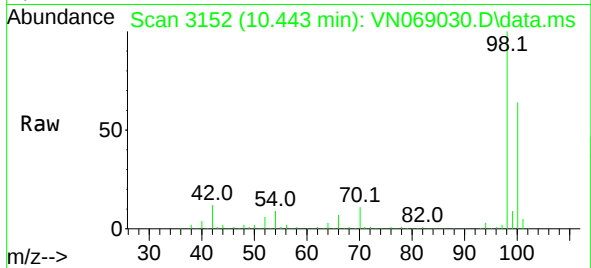




#50
Toluene-d8
Concen: 53.828 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

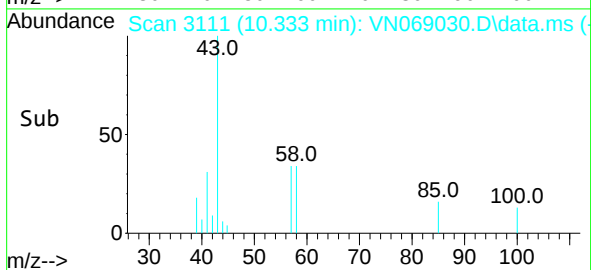
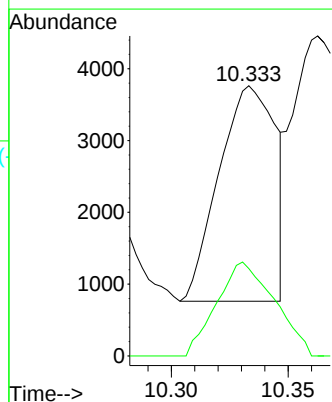
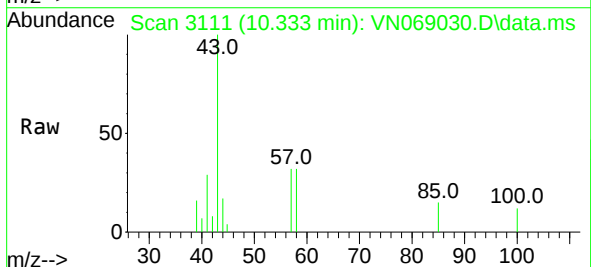
Instrument :
MSVOA_N
ClientSampled :

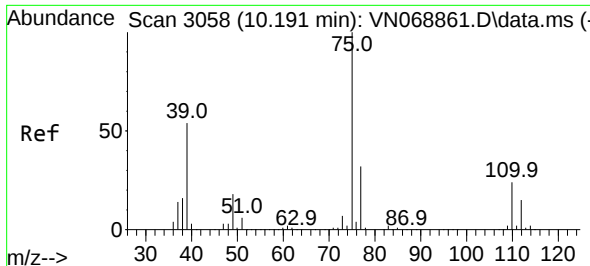
Tgt Ion: 98 Resp: 735421
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.948 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 43 Resp: 5024
Ion Ratio Lower Upper
43 100
58 44.8 31.0 46.4

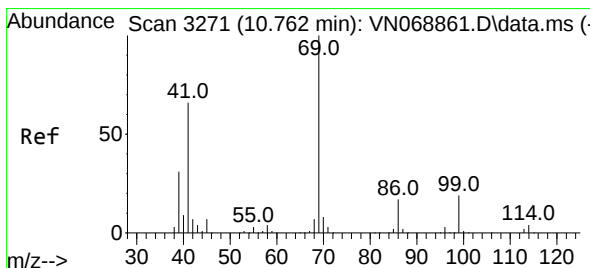
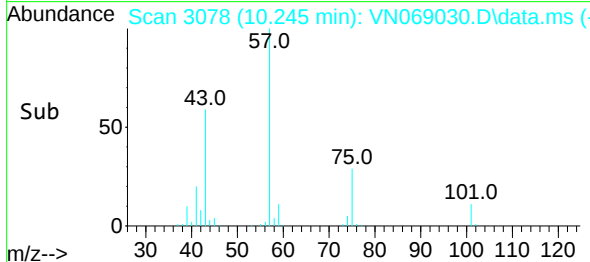
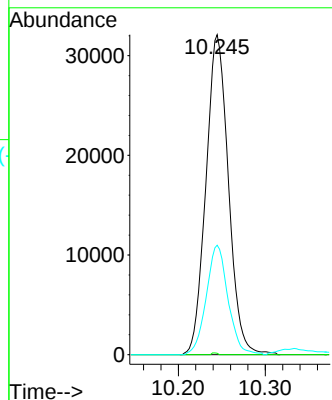
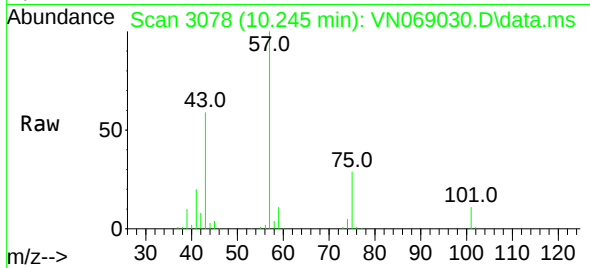




#54
 cis-1,3-Dichloropropene
 Concen: 8.735 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069030.D
 Acq: 19 Oct 2021 16:59

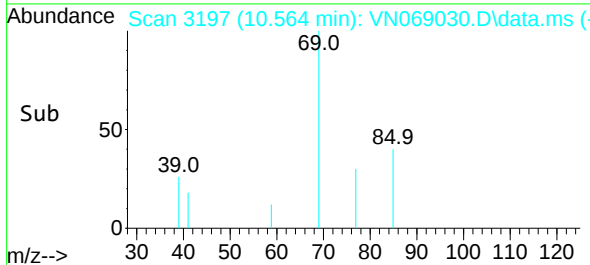
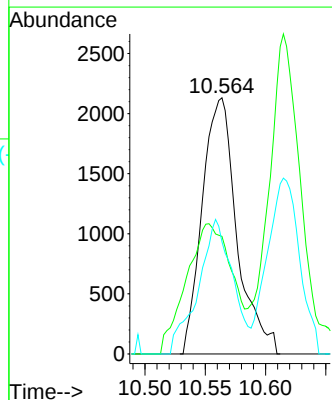
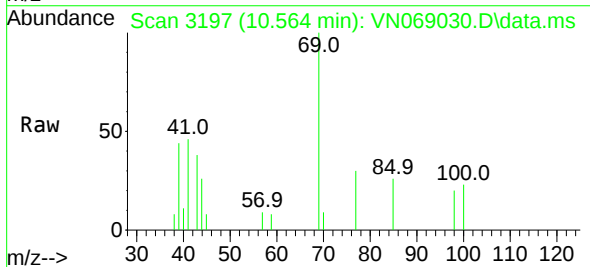
Instrument :
 MSVOA_N
 ClientSampled :

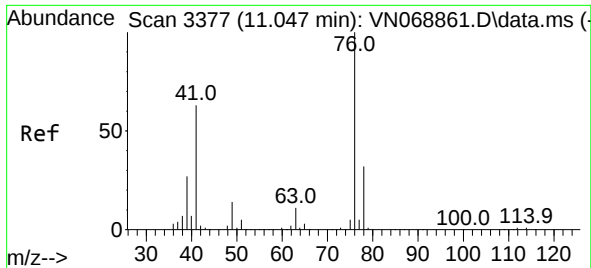
Tgt Ion: 75 Resp: 57683
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.6 38.4#
 39 34.2 42.9 64.3#



#56
 Ethyl methacrylate
 Concen: 0.656 ug/l
 RT: 10.564 min Scan# 3197
 Delta R.T. -0.198 min
 Lab File: VN069030.D
 Acq: 19 Oct 2021 16:59

Tgt Ion: 69 Resp: 4265
 Ion Ratio Lower Upper
 69 100
 41 66.5 53.3 79.9
 39 52.5 33.3 49.9#

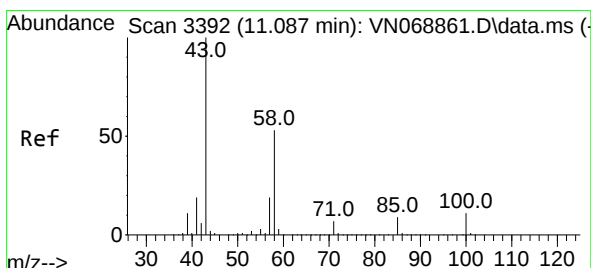
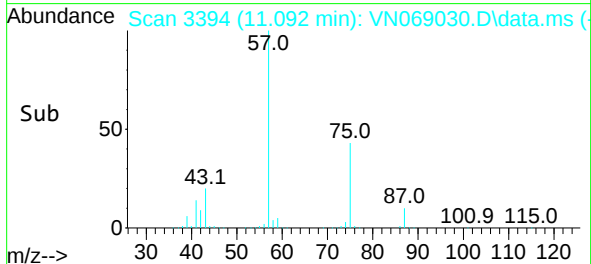
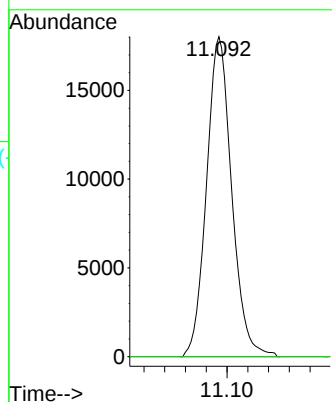
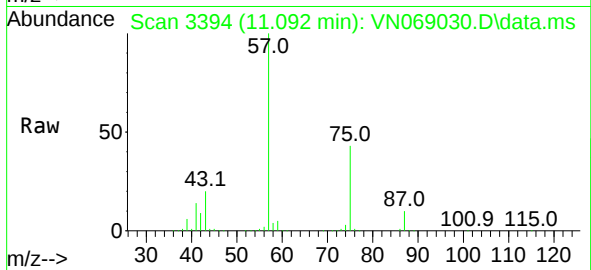




#57
1,3-Dichloropropane
Concen: 4.755 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

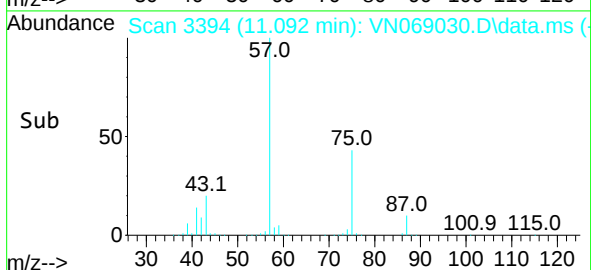
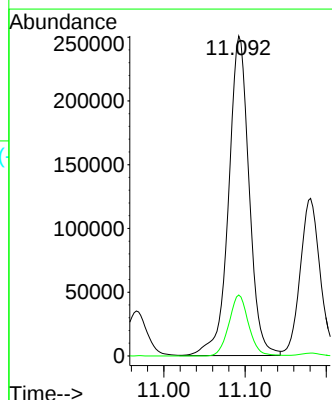
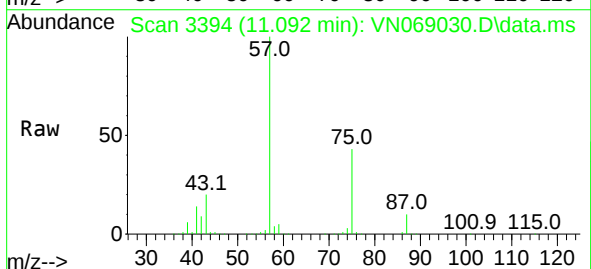
Instrument :
MSVOA_N
ClientSampled :

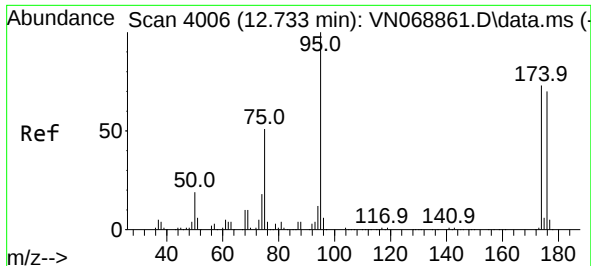
Tgt Ion: 76 Resp: 30360
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 115.942 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 43 Resp: 440410
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

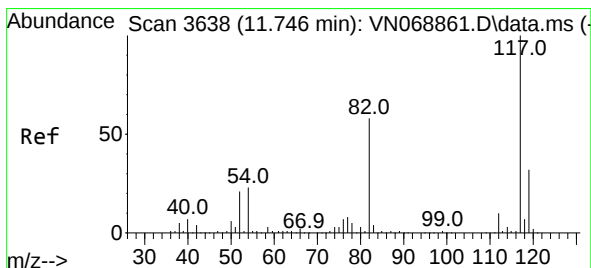
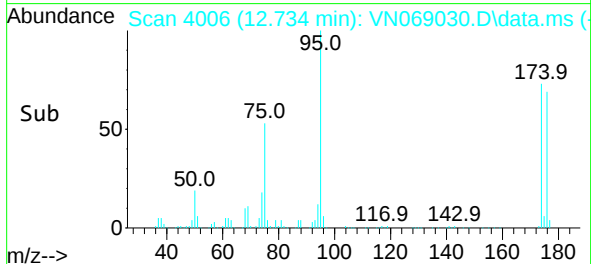
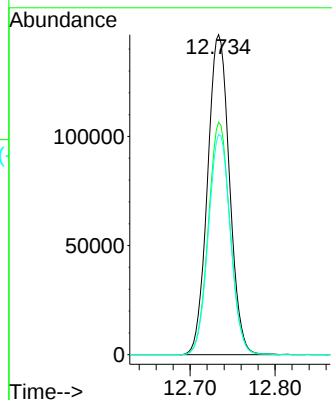
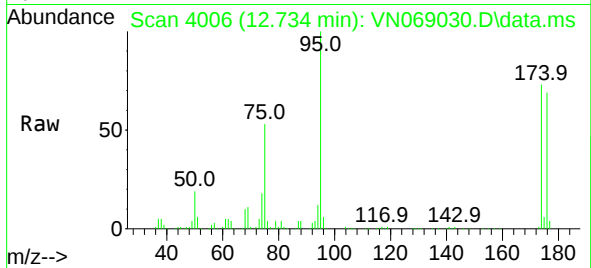




#62
4-Bromofluorobenzene
Concen: 50.981 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

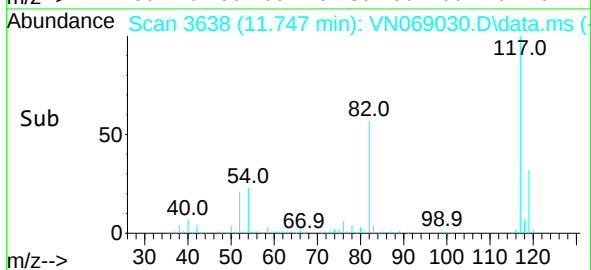
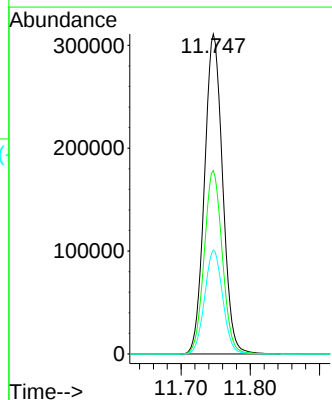
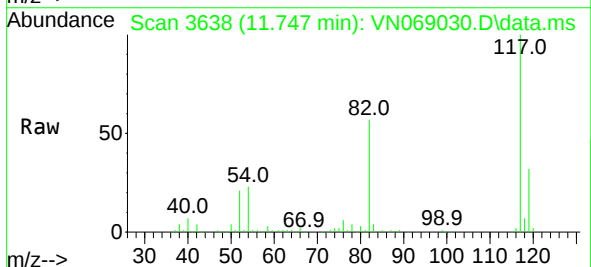
Instrument :
MSVOA_N
ClientSampleId :

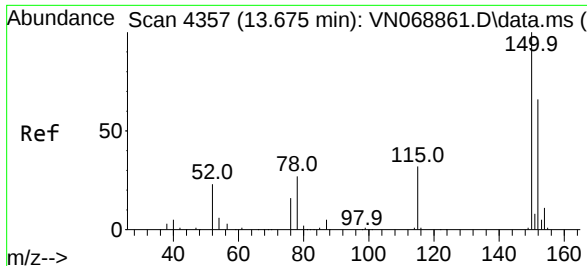
Tgt Ion: 95 Resp: 262790
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.8
176 69.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 117 Resp: 565269
Ion Ratio Lower Upper
117 100
82 57.3 46.4 69.6
119 32.4 26.0 39.0

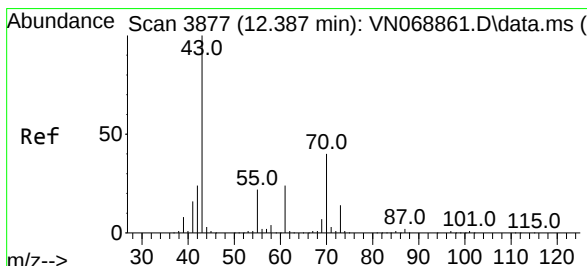
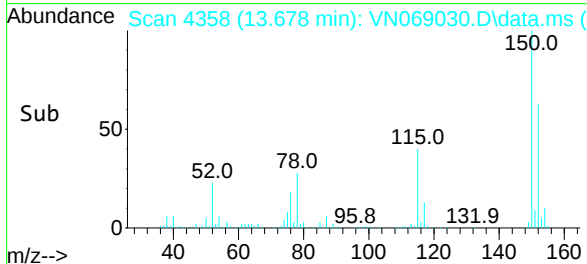
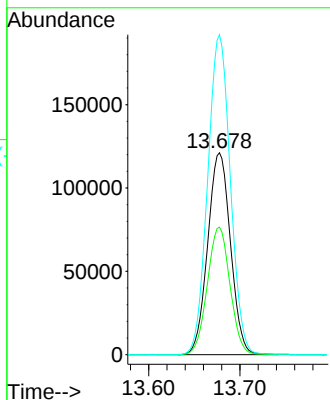
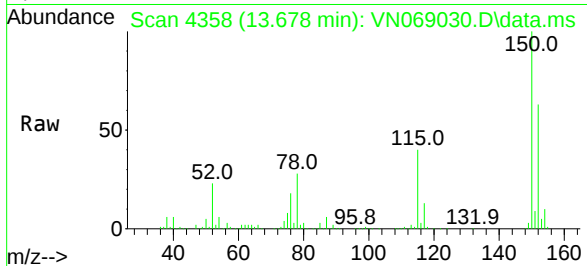




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

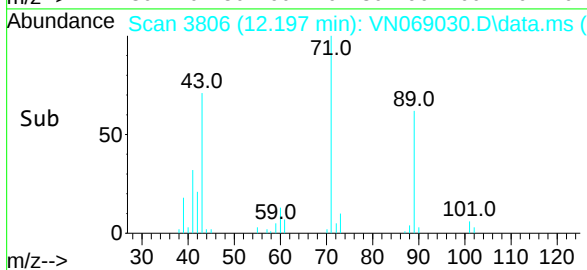
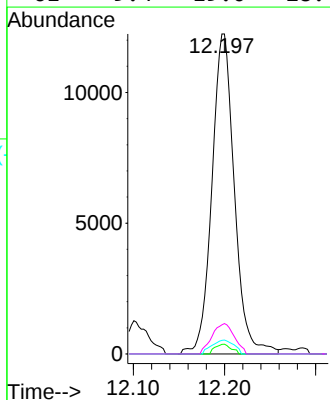
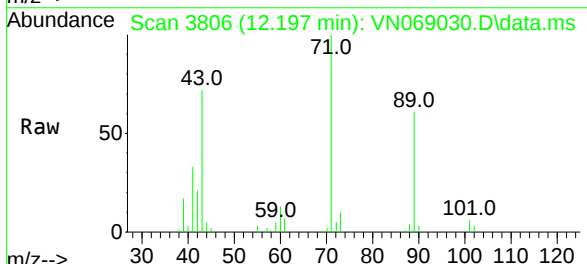
Instrument :
MSVOA_N
ClientSampled :

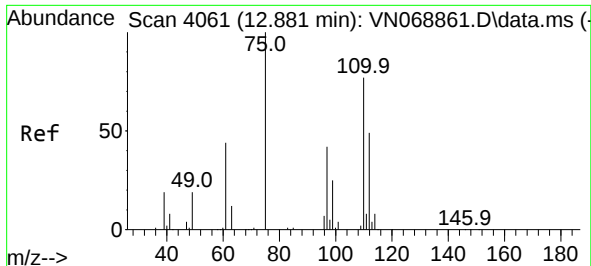
Tgt Ion:152 Resp: 210728
Ion Ratio Lower Upper
152 100
115 62.7 31.4 94.3
150 157.5 0.0 351.0



#74
N-ethyl acetate
Concen: 3.157 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 43 Resp: 20976
Ion Ratio Lower Upper
43 100
70 2.2 32.2 48.2#
55 4.2 18.0 27.0#
61 9.4 19.0 28.4#

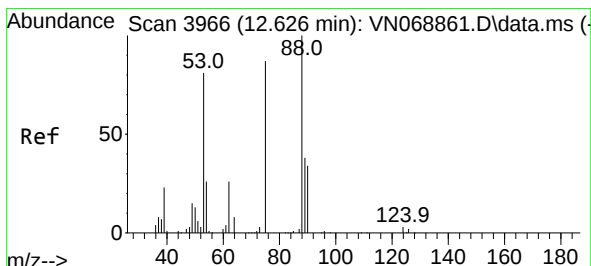
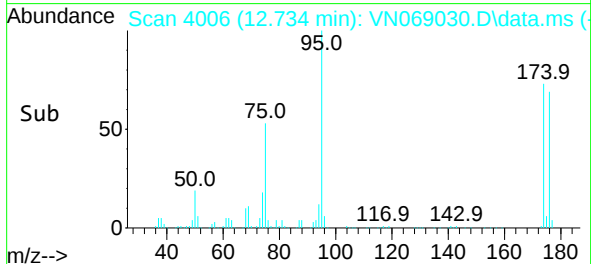
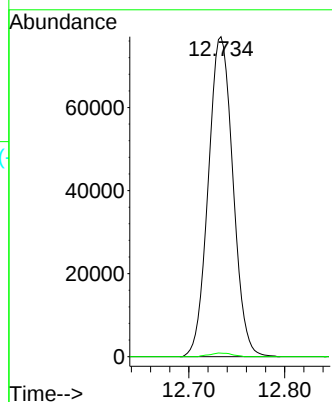
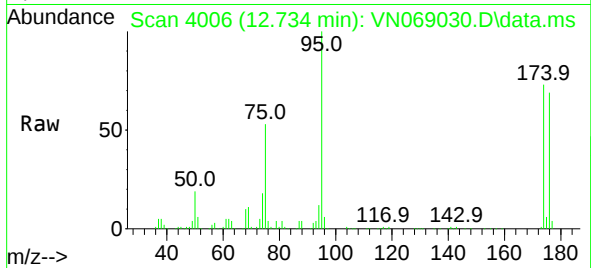




#76
1,2,3-Trichloropropane
Concen: 30.677 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

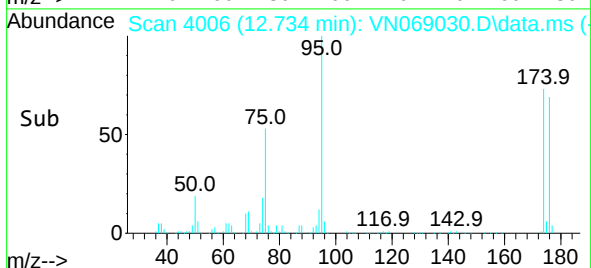
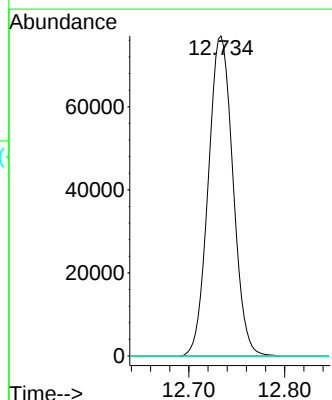
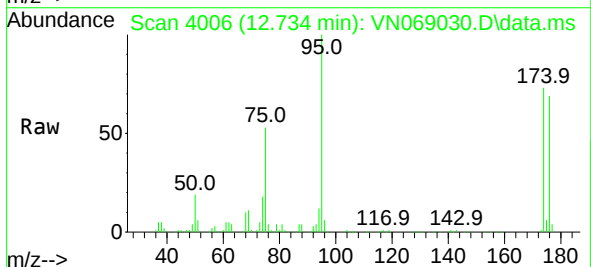
Instrument :
MSVOA_N
ClientSampled :

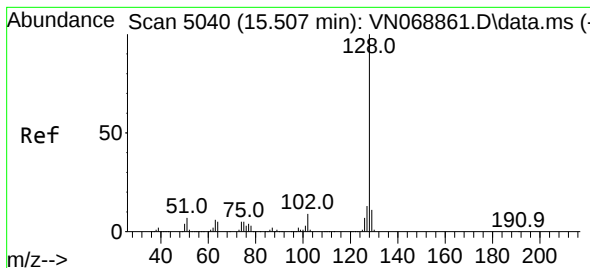
Tgt Ion: 75 Resp: 137544
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.392 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

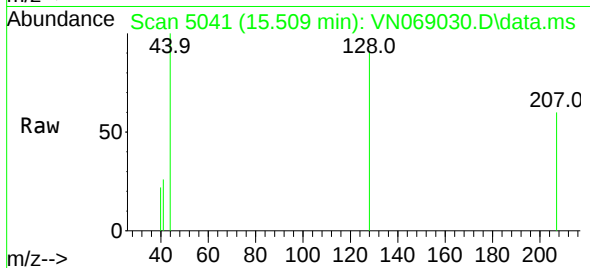
Tgt Ion: 75 Resp: 137544
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



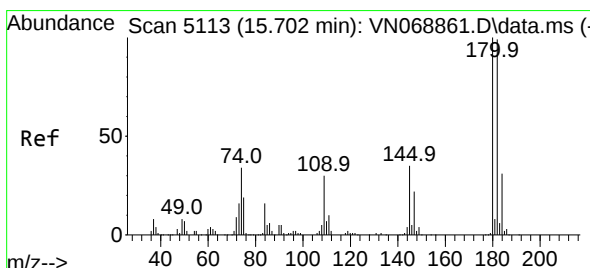
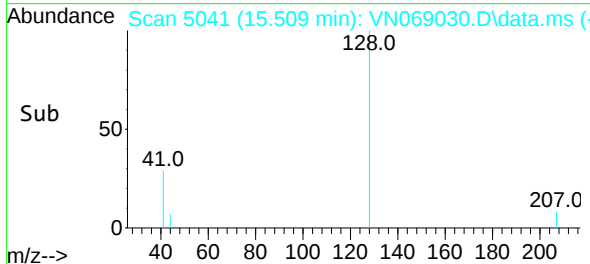
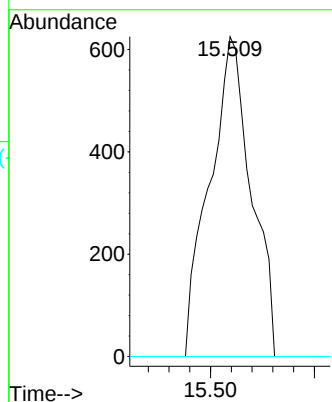


#95
Naphthalene
Concen: 3.894 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 870
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.528 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069030.D
Acq: 19 Oct 2021 16:59

Tgt Ion:180 Resp: 49
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.3#
145 0.0 17.4 52.2#

