

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071122\
 Data File : VN073420.D
 Acq On : 11 Jul 2022 15:30
 Operator : JC\MD
 Sample : N3651-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-4

Quant Time: Jul 12 07:27:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

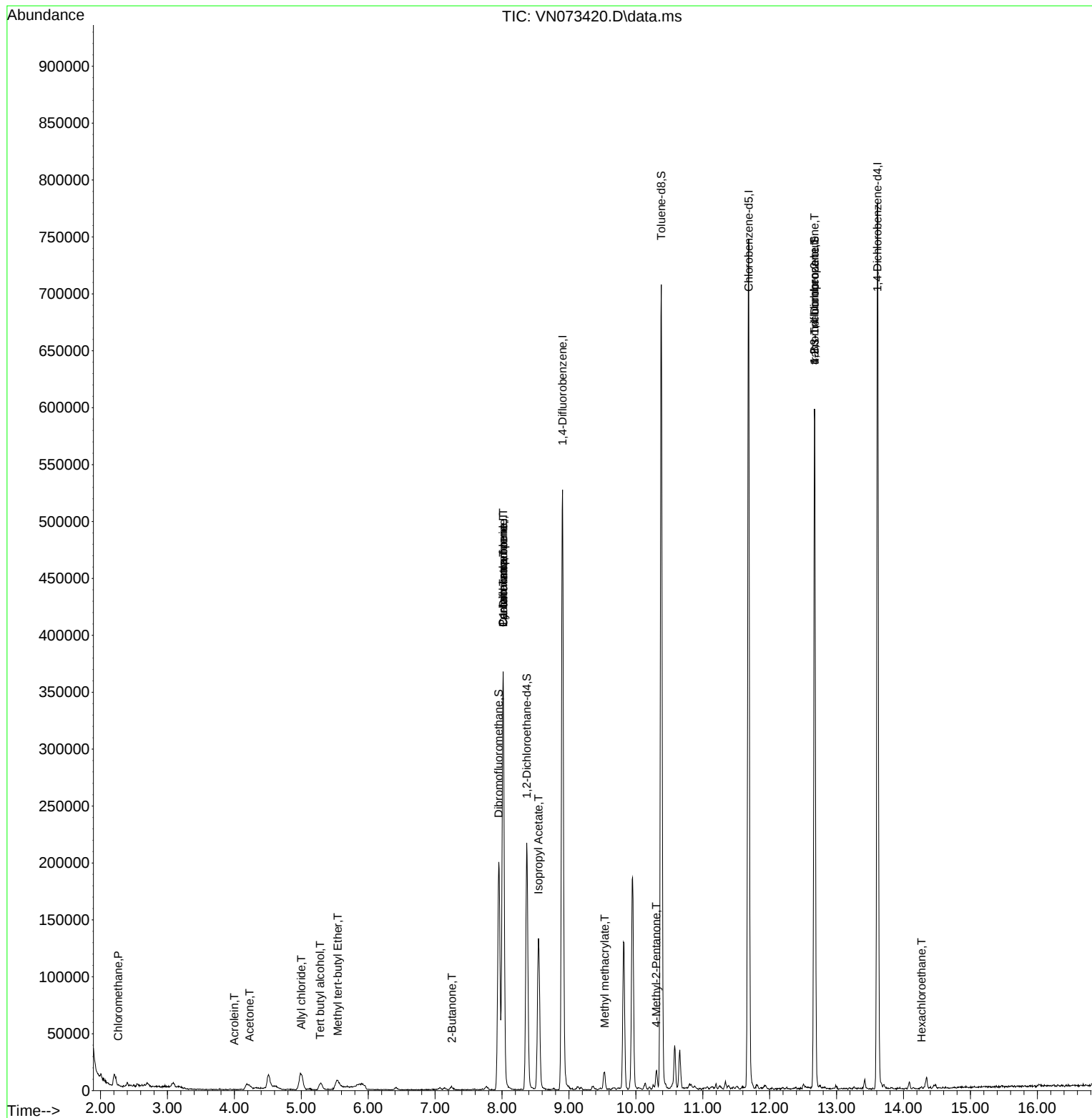
Internal Standards						
1) Pentafluorobenzene	8.016	168	271155	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	456444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	424840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	203050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	179400	45.831	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	91.660%	
35) Dibromofluoromethane	7.951	113	148568	48.923	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.840%	
50) Toluene-d8	10.381	98	489932	45.424	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	90.840%	
62) 4-Bromofluorobenzene	12.669	95	210454	50.774	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	101.540%	
Target Compounds						
						Qvalue
3) Chloromethane	2.263	50	791	0.206	ug/l	# 43
11) Tert butyl alcohol	5.281	59	5032	5.307	ug/l	# 67
13) Acrolein	3.999	56	132	0.220	ug/l	# 75
14) Allyl chloride	4.999	41	7581	1.127	ug/l	# 42
16) Acetone	4.228	43	5471	2.490	ug/l	# 78
19) Methyl tert-butyl Ether	5.546	73	11881	1.021	ug/l	# 84
25) 2-Butanone	7.251	43	848	0.242	ug/l	# 45
31) Cyclohexane	8.016	56	8462	1.320	ug/l	# 45
36) 1,1-Dichloropropene	8.016	75	23071	4.937	ug/l	# 49
38) Carbon Tetrachloride	8.016	117	28995	6.000	ug/l	# 15
43) Isopropyl Acetate	8.545	43	29172	2.875	ug/l	# 53
48) Methyl methacrylate	9.534	41	4988	1.062	ug/l	# 28
51) 4-Methyl-2-Pentanone	10.304	43	2738	0.426	ug/l	# 58
76) 1,2,3-Trichloropropane	12.669	75	112373	21.165	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.669	75	112373	58.045	ug/l	# 11
90) Hexachloroethane	14.269	117	575	0.222	ug/l	# 9

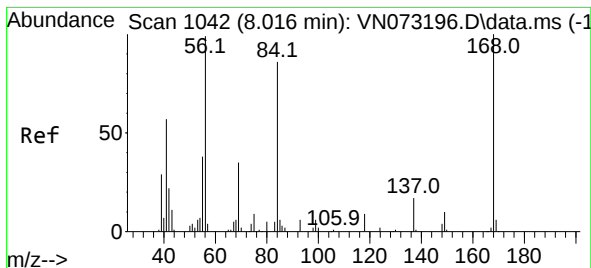
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN073420.D

Acq: 11 Jul 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

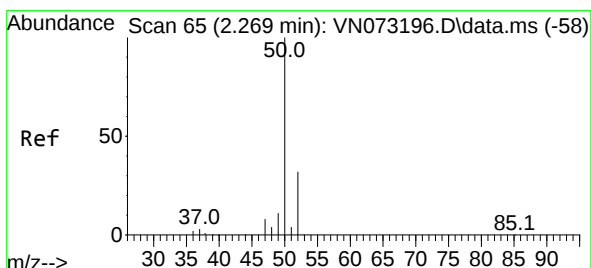
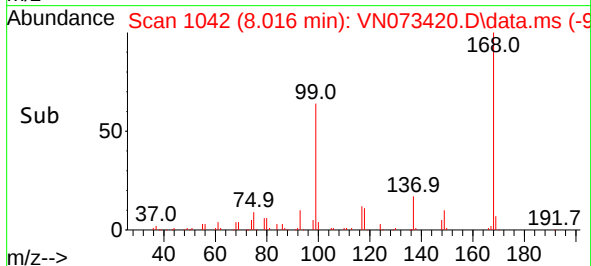
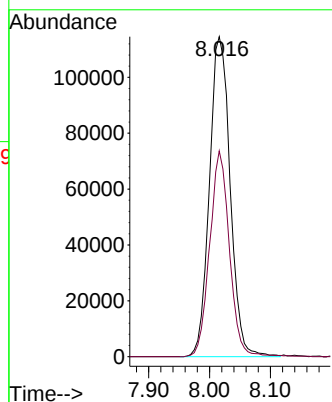
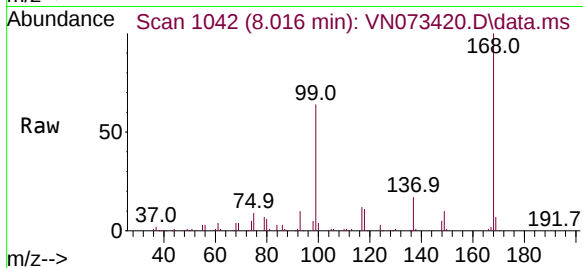
SW-4

Tgt Ion:168 Resp: 271155

Ion Ratio Lower Upper

168 100

99 64.3 42.3 63.5#



#3

Chloromethane

Concen: 0.206 ug/l

RT: 2.263 min Scan# 64

Delta R.T. -0.006 min

Lab File: VN073420.D

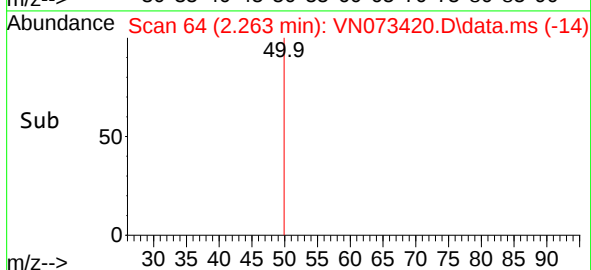
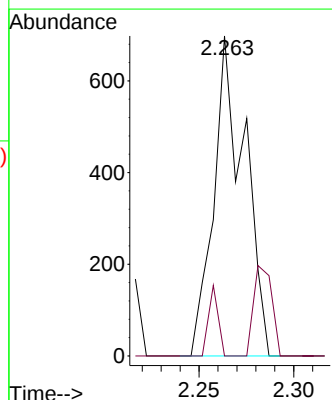
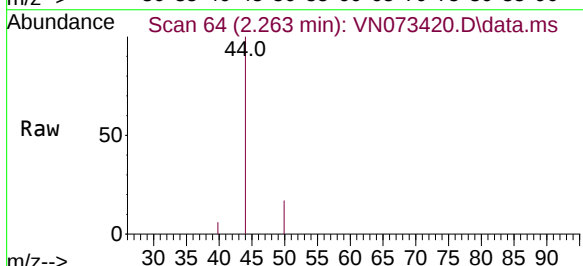
Acq: 11 Jul 2022 15:30

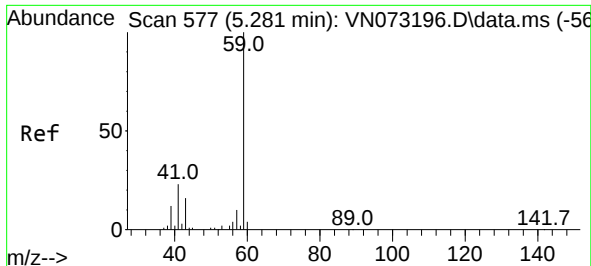
Tgt Ion: 50 Resp: 791

Ion Ratio Lower Upper

50 100

52 0.0 25.7 38.5#





#11

Tert butyl alcohol

Concen: 5.307 ug/l

RT: 5.281 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN073420.D

Acq: 11 Jul 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

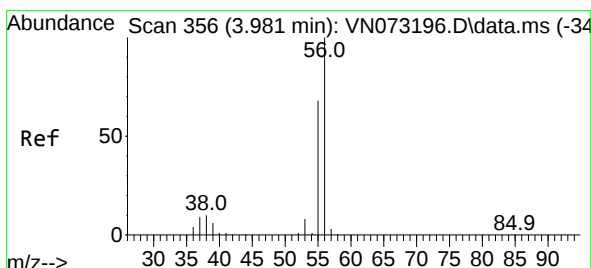
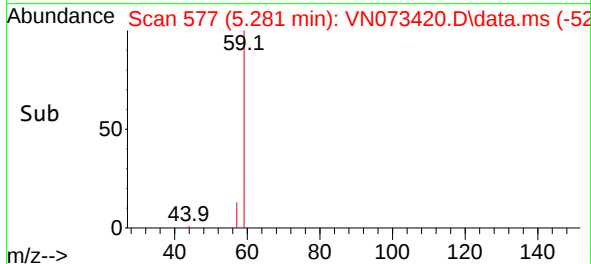
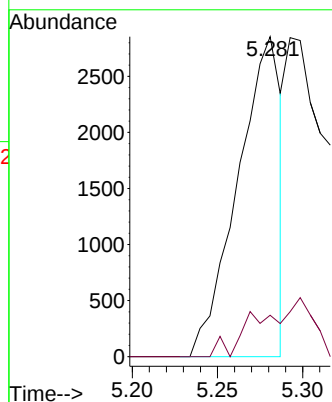
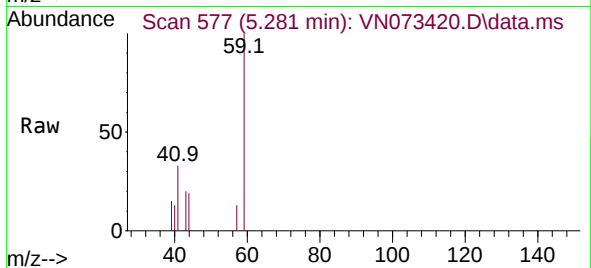
SW-4

Tgt Ion: 59 Resp: 5032

Ion Ratio Lower Upper

59 100

57 22.9 8.3 12.5#



#13

Acrolein

Concen: 0.220 ug/l

RT: 3.999 min Scan# 359

Delta R.T. 0.018 min

Lab File: VN073420.D

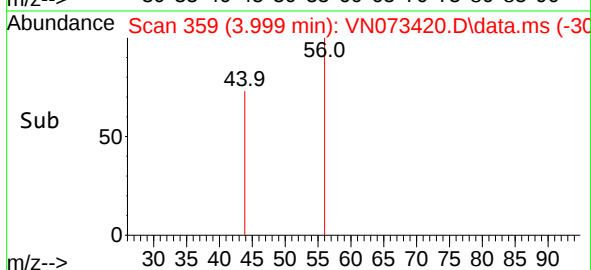
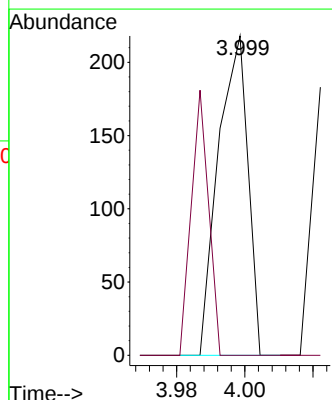
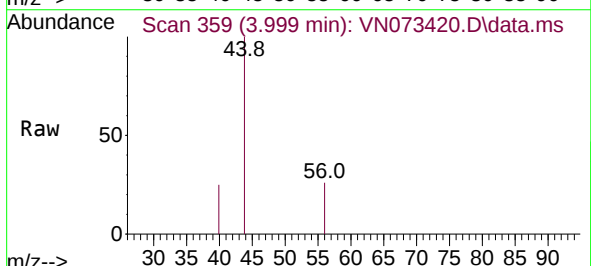
Acq: 11 Jul 2022 15:30

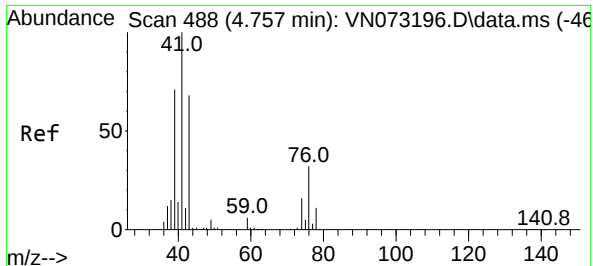
Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 48.5 54.8 82.2#

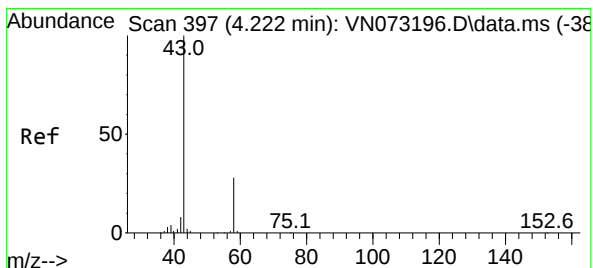
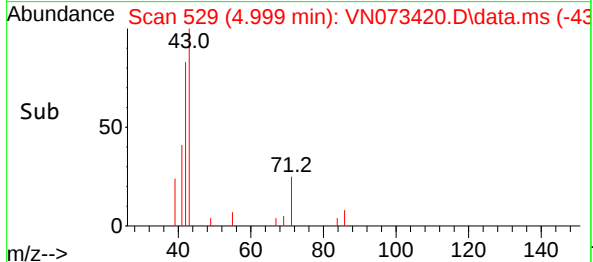
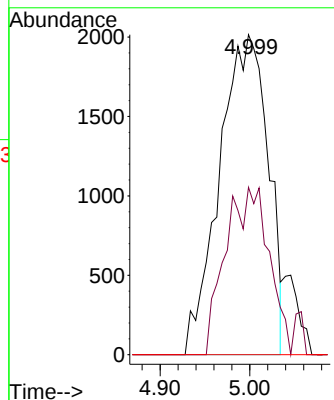
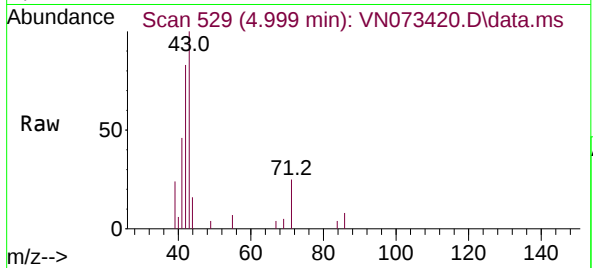




#14
 Allyl chloride
 Concen: 1.127 ug/l
 RT: 4.999 min Scan# 51
 Delta R.T. 0.242 min
 Lab File: VN073420.D
 Acq: 11 Jul 2022 15:30

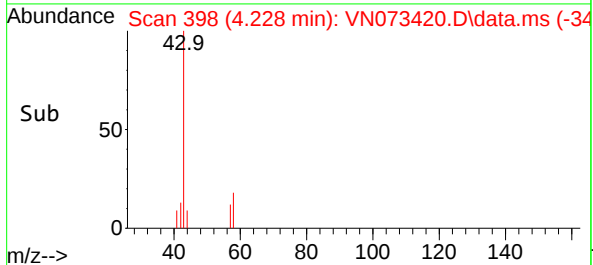
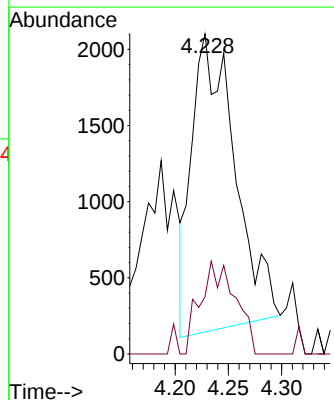
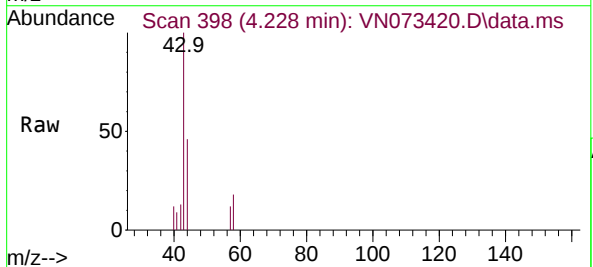
Instrument :
 MSVOA_N
 ClientSampleId :
 SW-4

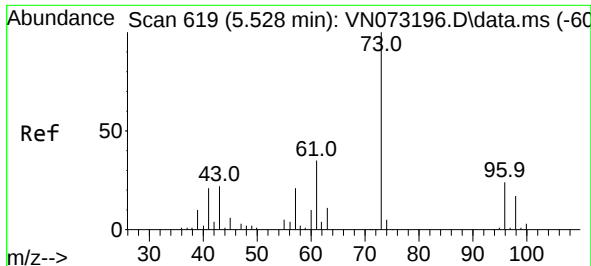
Tgt Ion: 41 Resp: 7581
 Ion Ratio Lower Upper
 41 100
 39 22.1 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 2.490 ug/l
 RT: 4.228 min Scan# 398
 Delta R.T. 0.006 min
 Lab File: VN073420.D
 Acq: 11 Jul 2022 15:30

Tgt Ion: 43 Resp: 5471
 Ion Ratio Lower Upper
 43 100
 58 20.3 26.0 39.0#





#19

Methyl tert-butyl Ether

Concen: 1.021 ug/l

RT: 5.546 min Scan# 61

Delta R.T. 0.018 min

Lab File: VN073420.D

Acq: 11 Jul 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

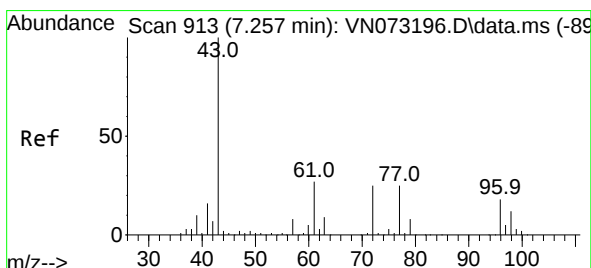
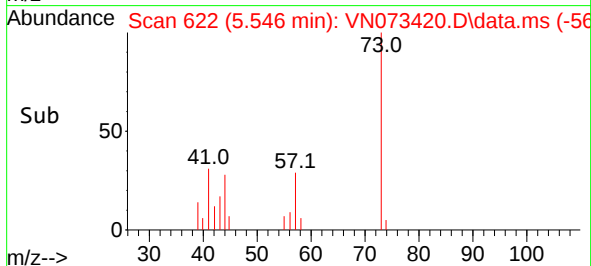
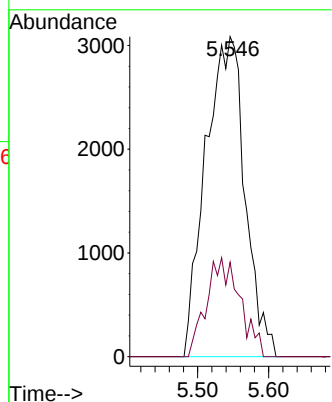
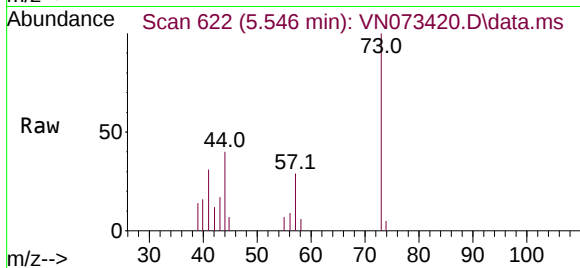
SW-4

Tgt Ion: 73 Resp: 11881

Ion Ratio Lower Upper

73 100

57 29.5 17.6 26.4#



#25

2-Butanone

Concen: 0.242 ug/l

RT: 7.251 min Scan# 912

Delta R.T. -0.006 min

Lab File: VN073420.D

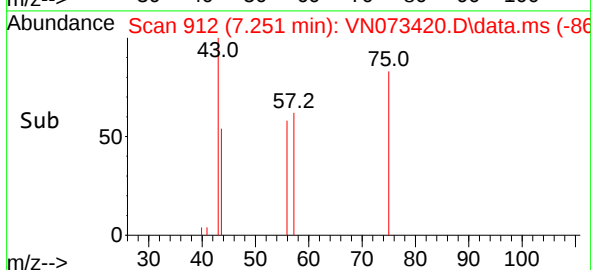
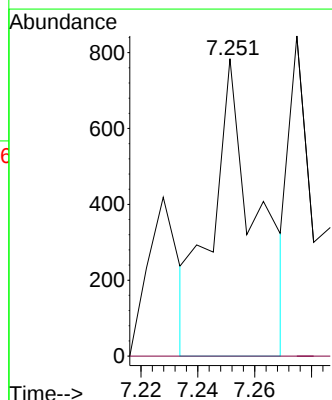
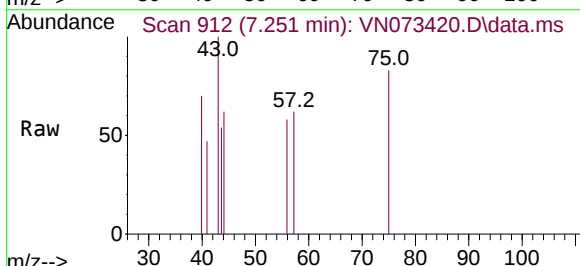
Acq: 11 Jul 2022 15:30

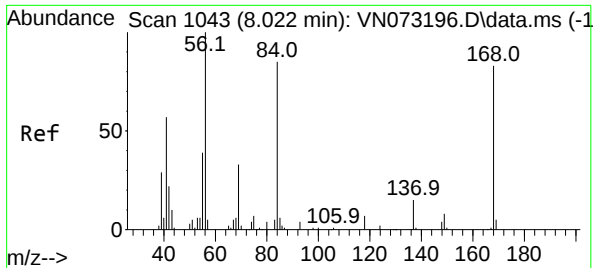
Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

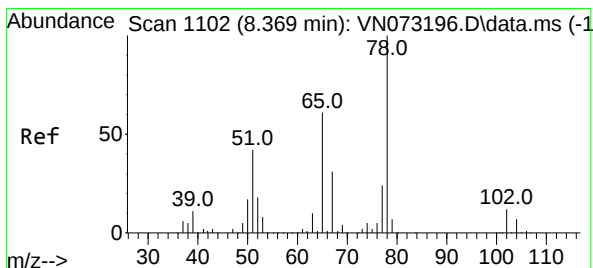
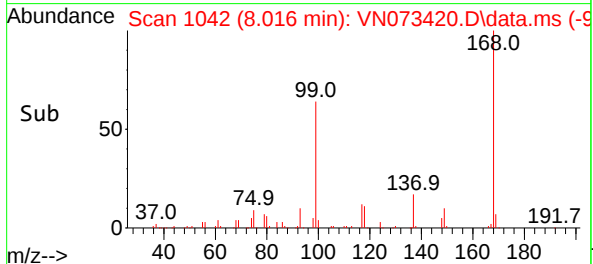
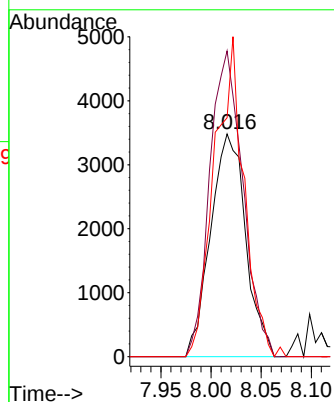
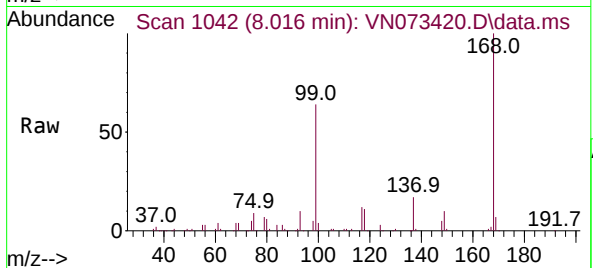




#31
Cyclohexane
Concen: 1.320 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073420.D
Acq: 11 Jul 2022 15:30

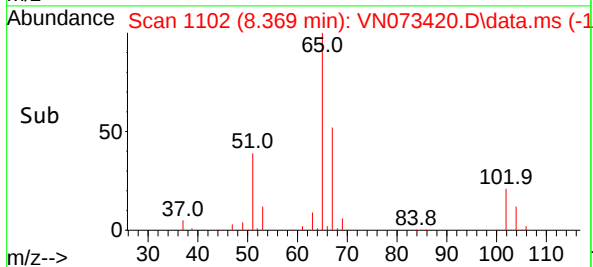
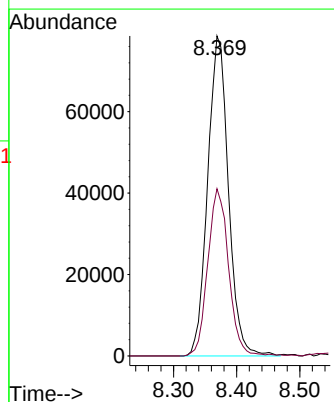
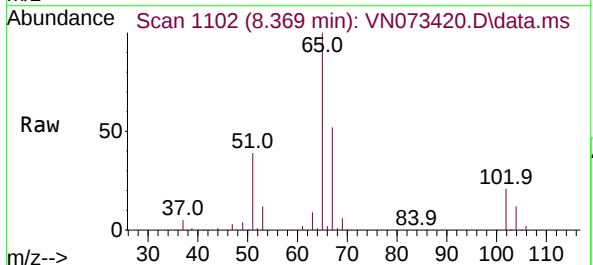
Instrument :
MSVOA_N
ClientSampleId :
SW-4

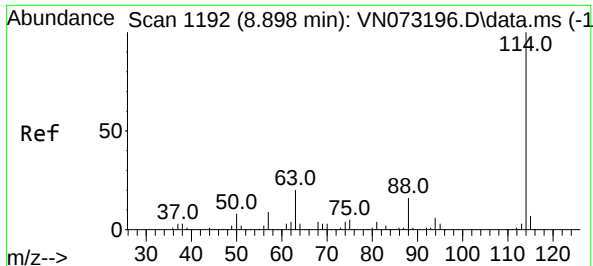
Tgt Ion: 56 Resp: 8462
Ion Ratio Lower Upper
56 100
69 137.2 27.8 41.8#
84 107.3 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 45.831 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073420.D
Acq: 11 Jul 2022 15:30

Tgt Ion: 65 Resp: 179400
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073420.D

Acq: 11 Jul 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

SW-4

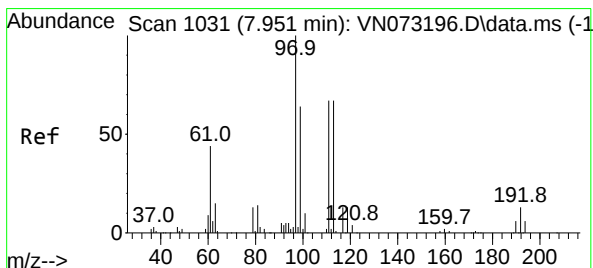
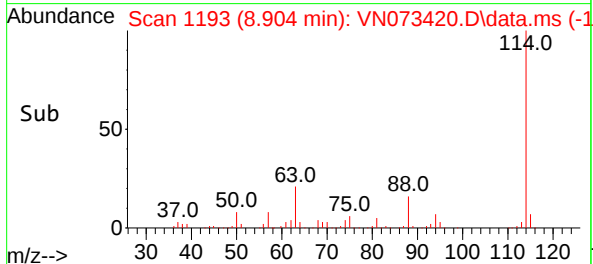
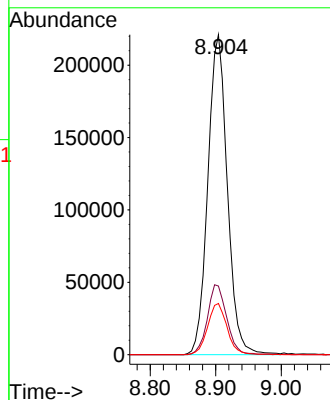
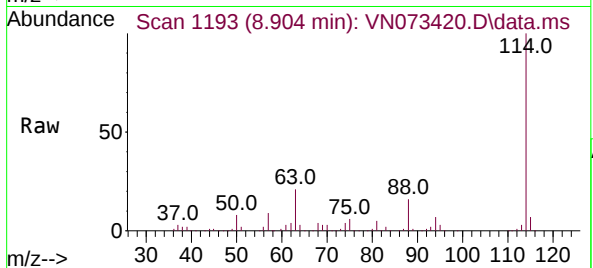
Tgt Ion:114 Resp: 456444

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.923 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073420.D

Acq: 11 Jul 2022 15:30

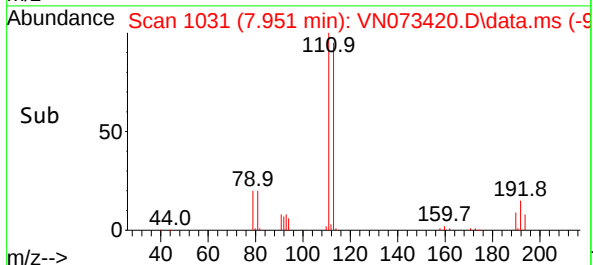
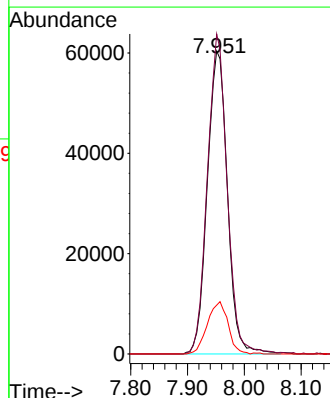
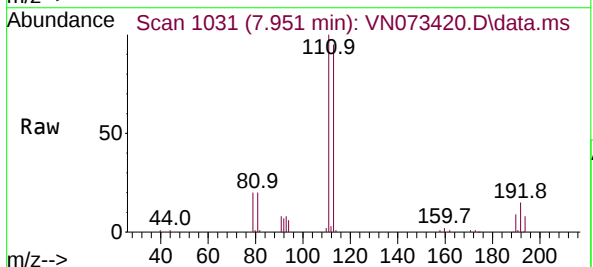
Tgt Ion:113 Resp: 148568

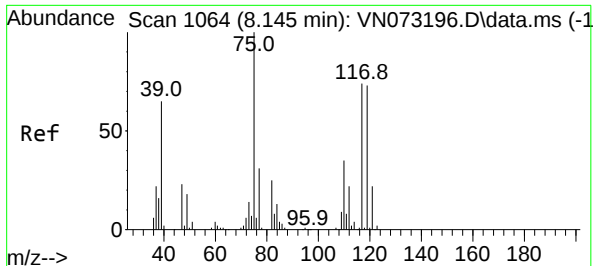
Ion Ratio Lower Upper

113 100

111 103.9 81.4 122.0

192 17.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.937 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073420.D

Acq: 11 Jul 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

SW-4

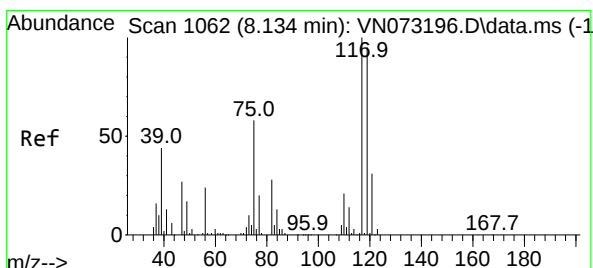
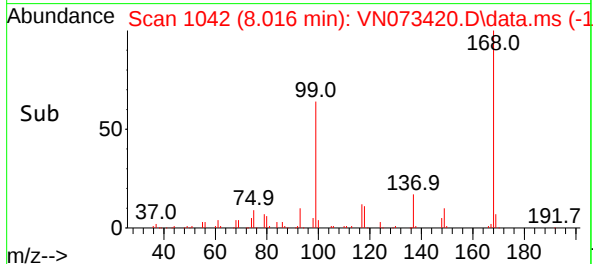
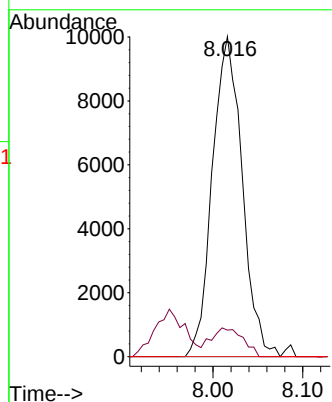
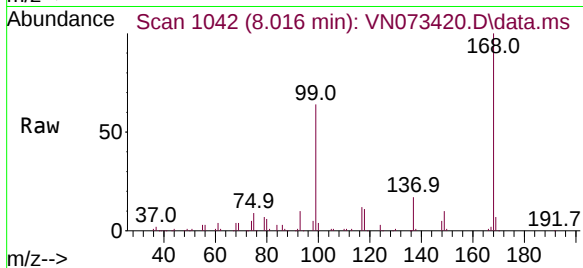
Tgt Ion: 75 Resp: 23071

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.000 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073420.D

Acq: 11 Jul 2022 15:30

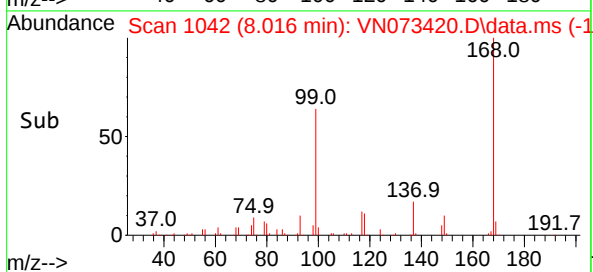
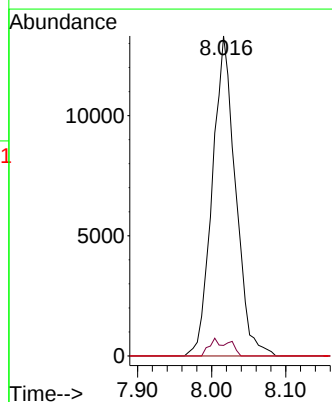
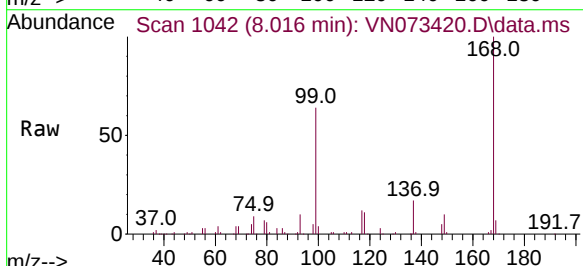
Tgt Ion: 117 Resp: 28995

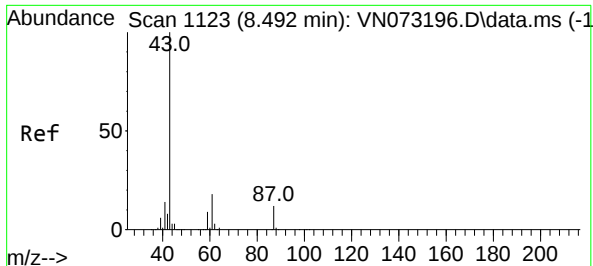
Ion Ratio Lower Upper

117 100

119 3.3 75.8 113.8#

121 0.0 24.6 37.0#

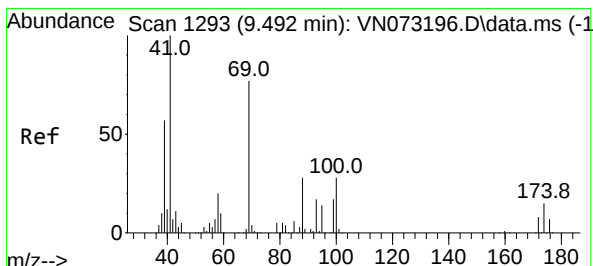
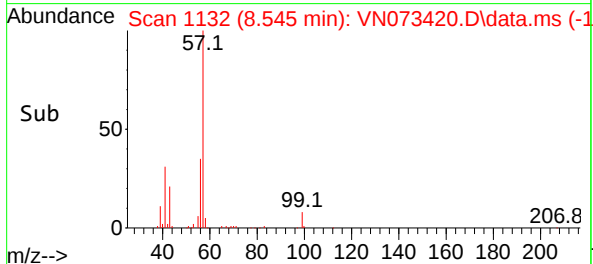
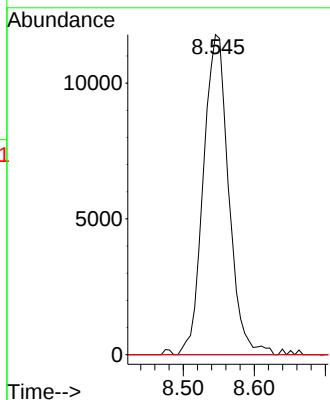
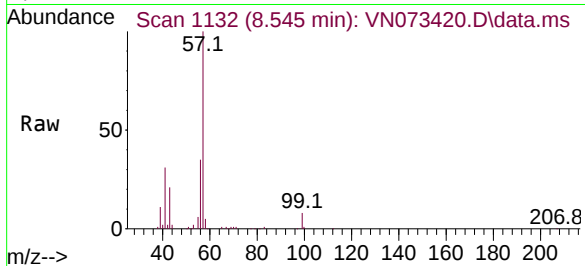




#43
Isopropyl Acetate
Concen: 2.875 ug/l
RT: 8.545 min Scan# 1123
Delta R.T. 0.053 min
Lab File: VN073420.D
Acq: 11 Jul 2022 15:30

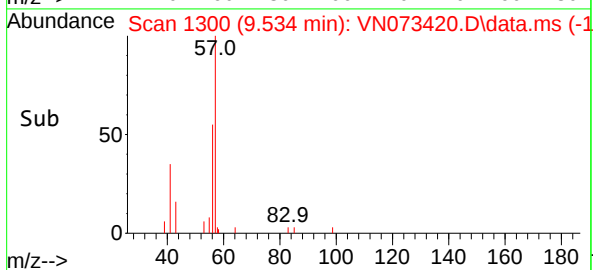
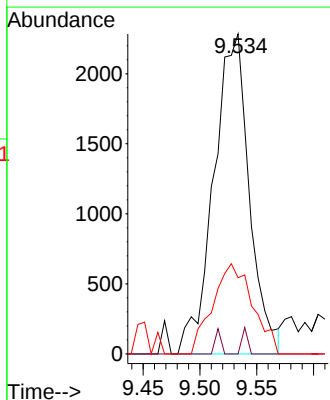
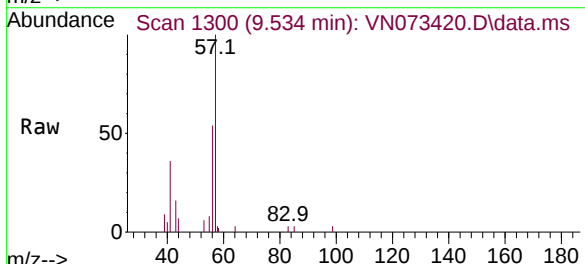
Instrument :
MSVOA_N
ClientSampleId :
SW-4

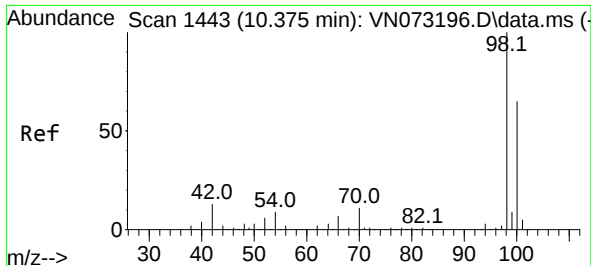
Tgt Ion: 43 Resp: 29172
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.062 ug/l
RT: 9.534 min Scan# 1300
Delta R.T. 0.042 min
Lab File: VN073420.D
Acq: 11 Jul 2022 15:30

Tgt Ion: 41 Resp: 4988
Ion Ratio Lower Upper
41 100
69 1.3 74.7 112.1#
39 31.6 45.6 68.4#

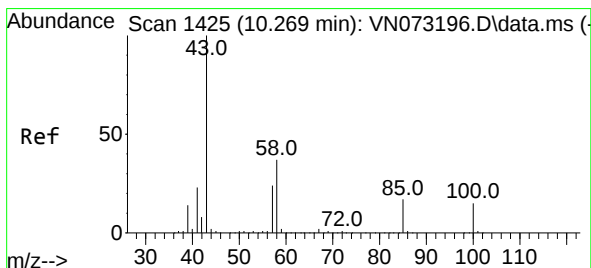
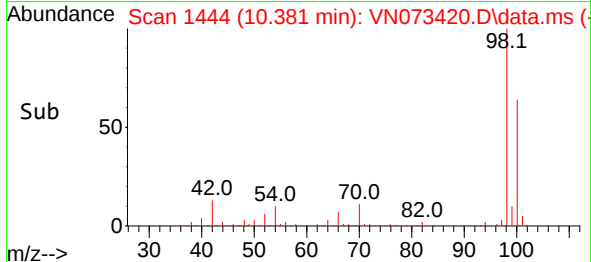
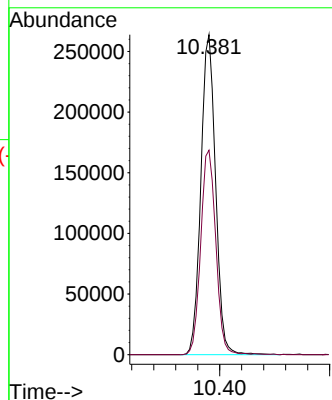
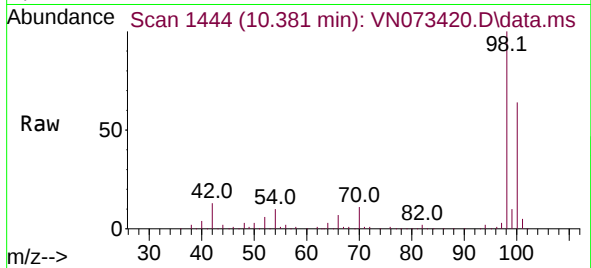




#50
Toluene-d8
Concen: 45.424 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073420.D
Acq: 11 Jul 2022 15:30

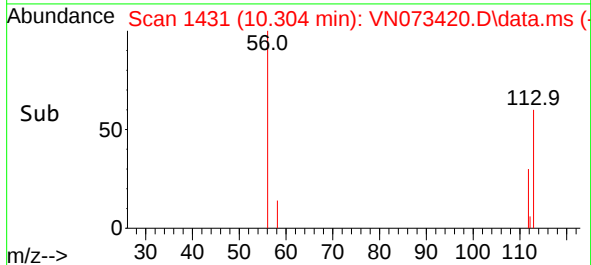
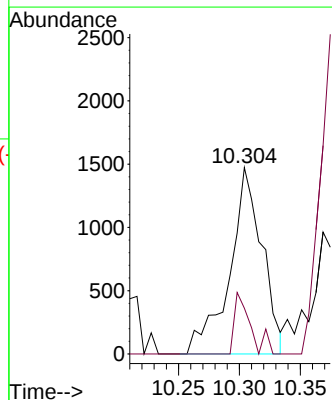
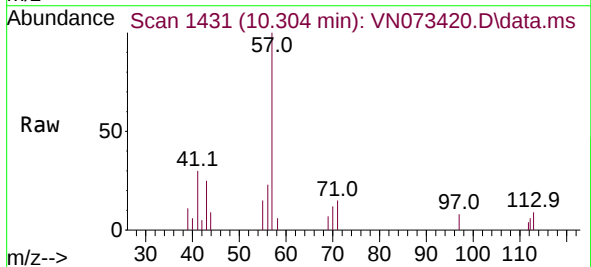
Instrument :
MSVOA_N
ClientSampleId :
SW-4

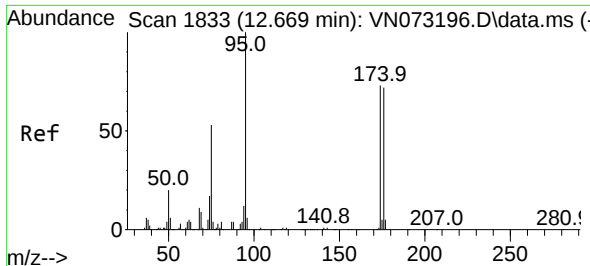
Tgt Ion: 98 Resp: 489932
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.426 ug/l
RT: 10.304 min Scan# 1431
Delta R.T. 0.035 min
Lab File: VN073420.D
Acq: 11 Jul 2022 15:30

Tgt Ion: 43 Resp: 2738
Ion Ratio Lower Upper
43 100
58 16.1 34.1 51.1#

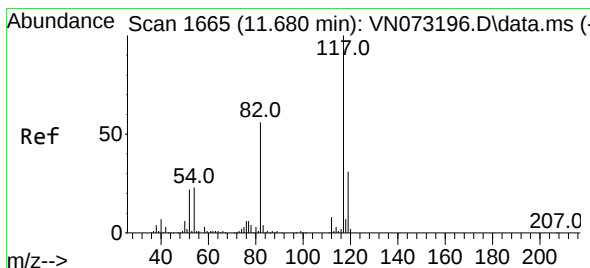
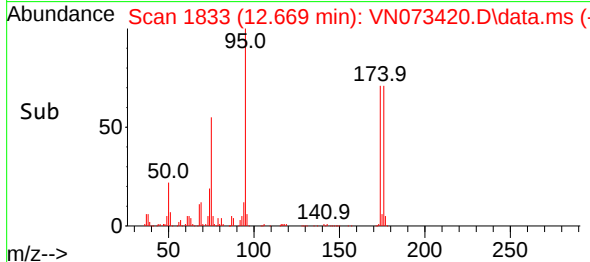
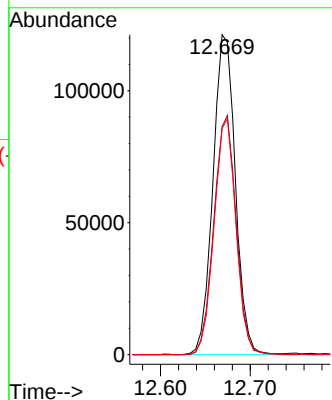
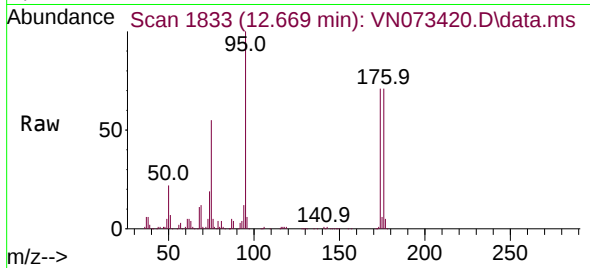




#62
4-Bromofluorobenzene
Concen: 50.774 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073420.D
Acq: 11 Jul 2022 15:30

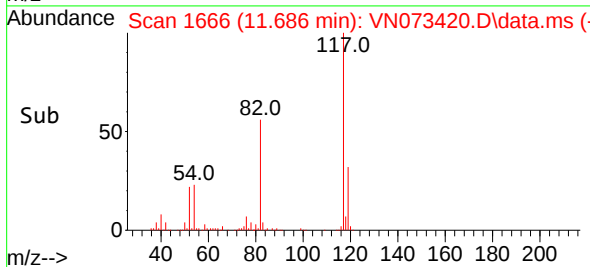
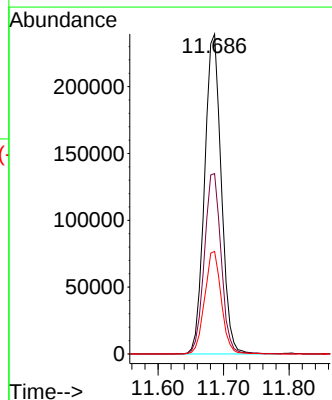
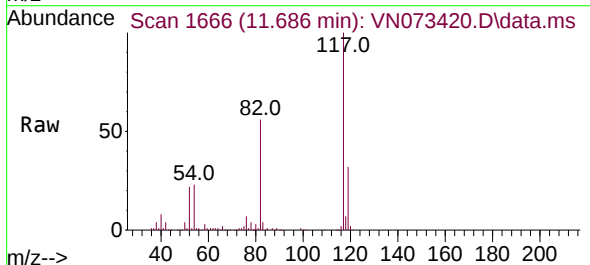
Instrument :
MSVOA_N
ClientSampleId :
SW-4

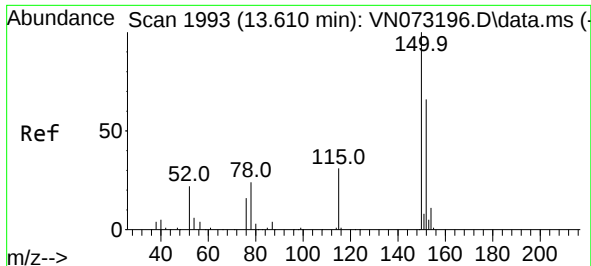
Tgt Ion: 95 Resp: 210454
Ion Ratio Lower Upper
95 100
174 74.4 0.0 167.6
176 72.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073420.D
Acq: 11 Jul 2022 15:30

Tgt Ion: 117 Resp: 424840
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 32.1 25.4 38.0

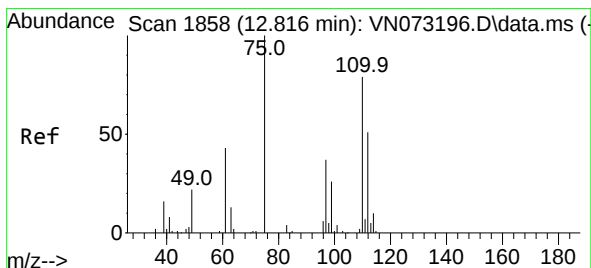
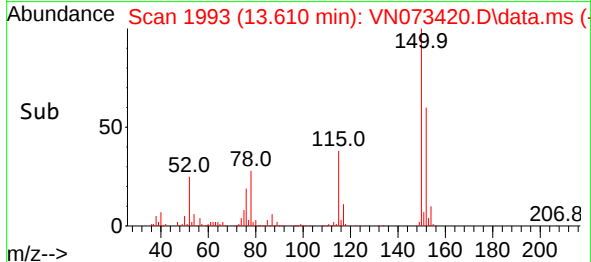
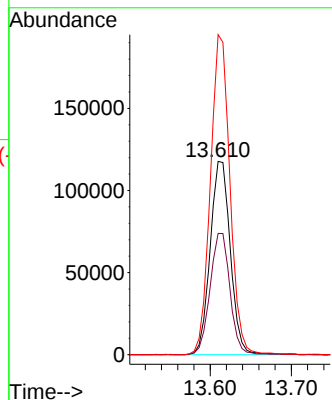
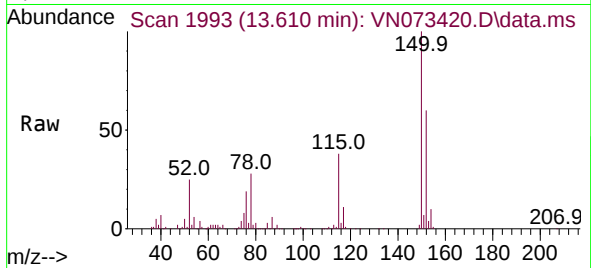




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073420.D
 Acq: 11 Jul 2022 15:30

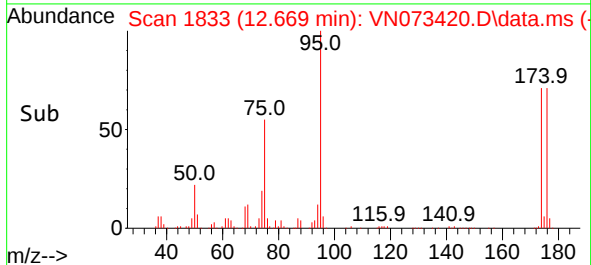
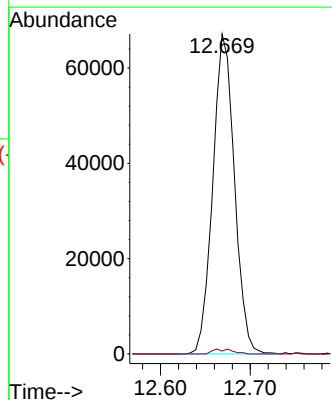
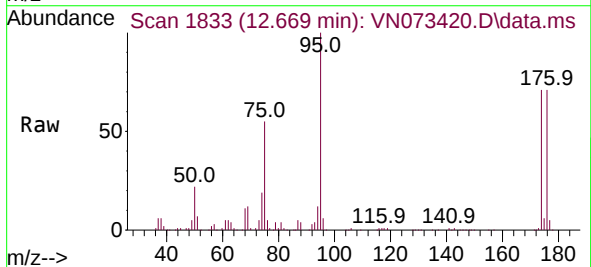
Instrument :
 MSVOA_N
 ClientSampleId :
 SW-4

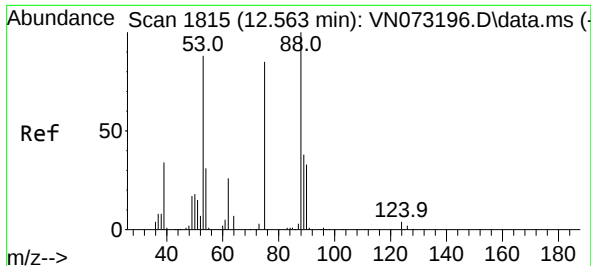
Tgt Ion:152 Resp: 203050
 Ion Ratio Lower Upper
 152 100
 115 62.0 28.9 86.7
 150 160.6 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.165 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073420.D
 Acq: 11 Jul 2022 15:30

Tgt Ion: 75 Resp: 112373
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#

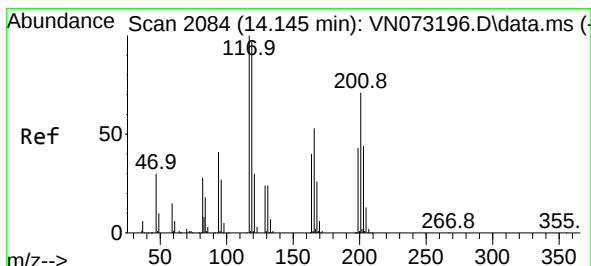
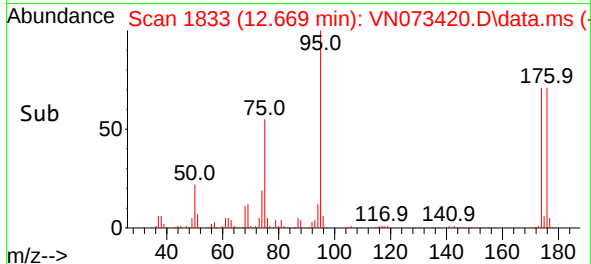
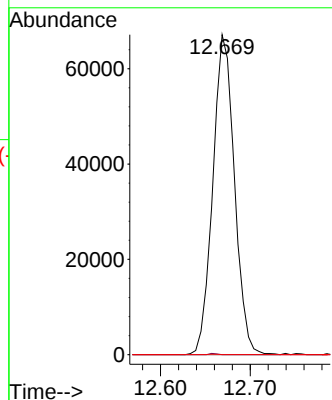
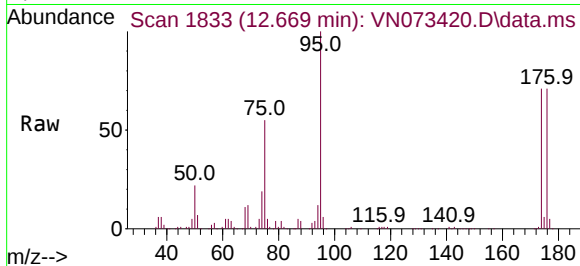




#81
trans-1,4-Dichloro-2-butene
Concen: 58.045 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073420.D
Acq: 11 Jul 2022 15:30

Instrument :
MSVOA_N
ClientSampleId :
SW-4

Tgt Ion: 75 Resp: 112373
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#90
Hexachloroethane
Concen: 0.222 ug/l
RT: 14.269 min Scan# 2105
Delta R.T. 0.124 min
Lab File: VN073420.D
Acq: 11 Jul 2022 15:30

Tgt Ion: 117 Resp: 575
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#

