

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093023\
 Data File : VX038002.D
 Acq On : 30 Sep 2023 14:31
 Operator : JC/MD
 Sample : 04652-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 02:11:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

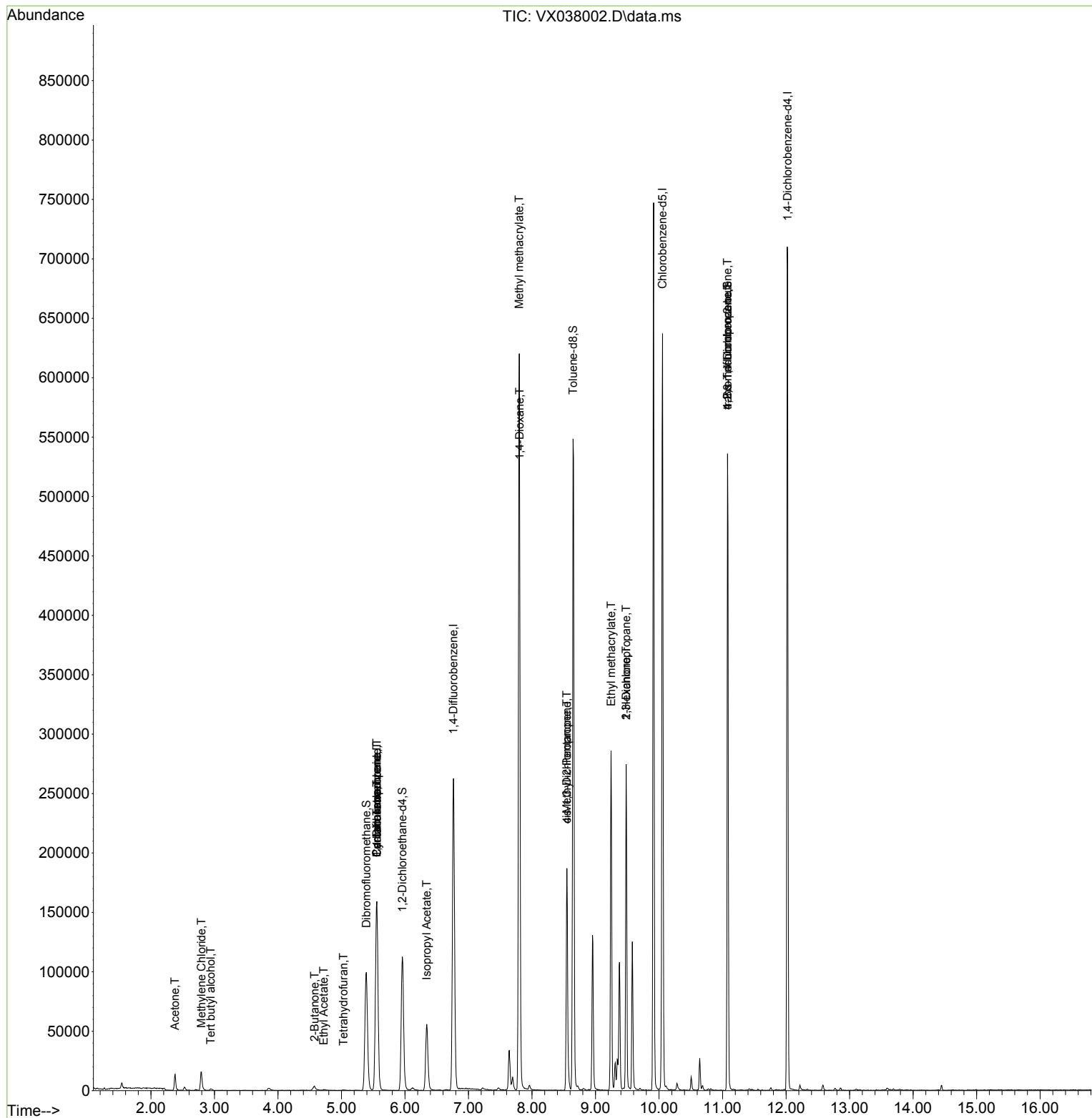
Internal Standards						
1) Pentafluorobenzene	5.556	168	146507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	259011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	269446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108559	56.398	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.800%			
35) Dibromofluoromethane	5.391	113	84598	48.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.620%			
50) Toluene-d8	8.647	98	325648	50.571	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.140%			
62) 4-Bromofluorobenzene	11.079	95	129859	55.496	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.000%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	915	2.215	ug/l #	78
16) Acetone	2.380	43	13694	14.789	ug/l	95
20) Methylene Chloride	2.794	84	7685	4.466	ug/l	93
25) 2-Butanone	4.574	43	3804	2.911	ug/l	100
29) Tetrahydrofuran	5.031	42	456	0.561	ug/l #	41
31) Cyclohexane	5.556	56	3808	1.541	ug/l #	55
36) 1,1-Dichloropropene	5.556	75	12503	5.237	ug/l #	51
37) Ethyl Acetate	4.721	43	1087	0.414	ug/l #	77
38) Carbon Tetrachloride	5.556	117	15825	6.335	ug/l #	14
43) Isopropyl Acetate	6.342	43	74268	17.697	ug/l	98
48) Methyl methacrylate	7.799	41	56631	28.228	ug/l #	51
49) 1,4-Dioxane	7.805	88	27	0.513	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65528	24.610	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	28458	9.736	ug/l #	60
56) Ethyl methacrylate	9.244	69	746	0.251	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2223	0.689	ug/l #	42
59) 2-Hexanone	9.482	43	31147	15.024	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	72444	22.381	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	72444	71.694	ug/l #	5

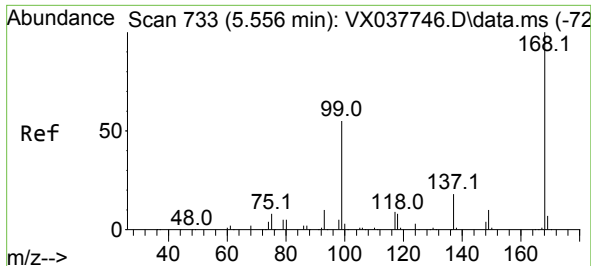
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

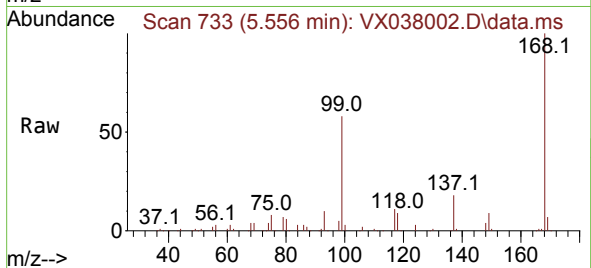
Quant Time: Oct 02 02:11:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



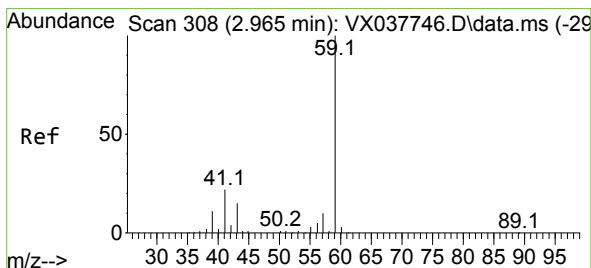
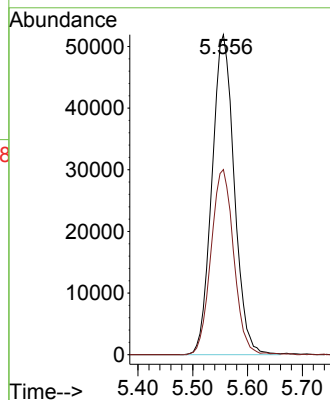
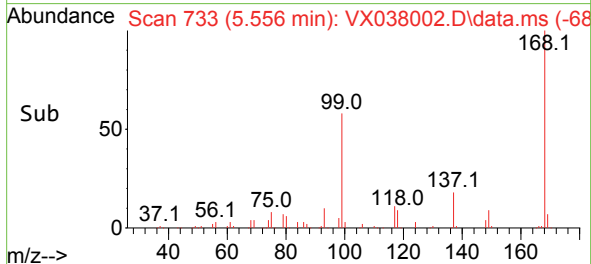


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

Instrument :
MSVOA_X
ClientSampleId :

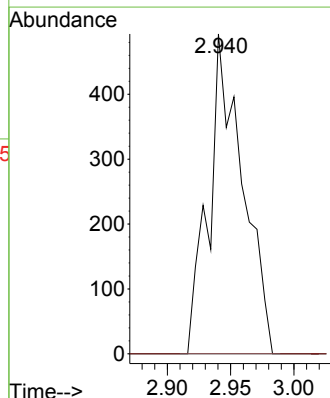
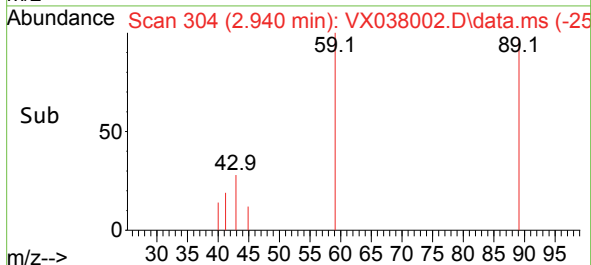
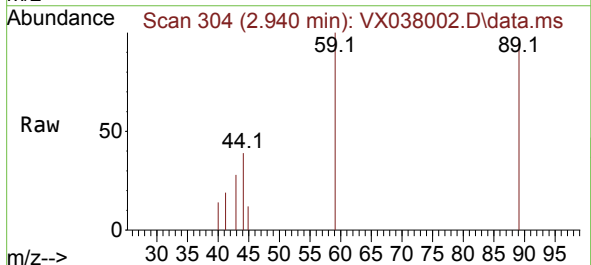


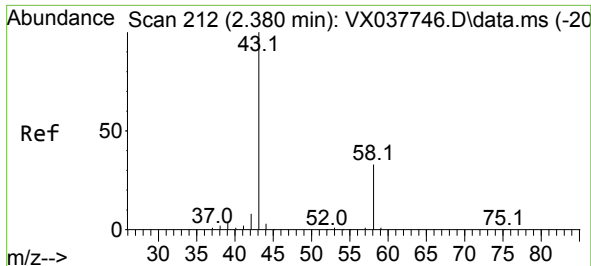
Tgt Ion:168 Resp: 146507
Ion Ratio Lower Upper
168 100
99 57.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.215 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

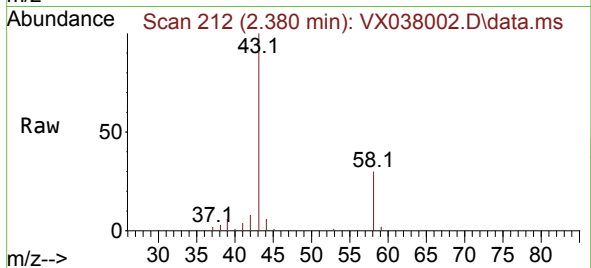
Tgt Ion: 59 Resp: 915
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



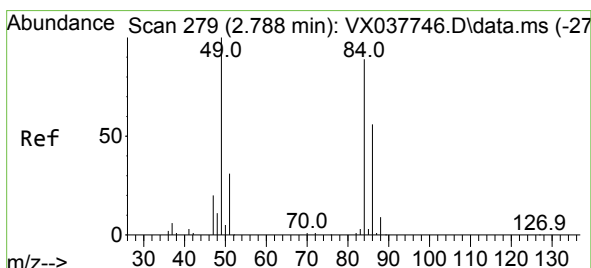
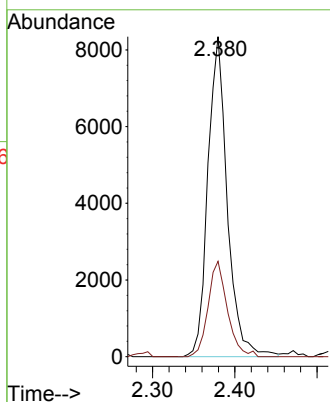
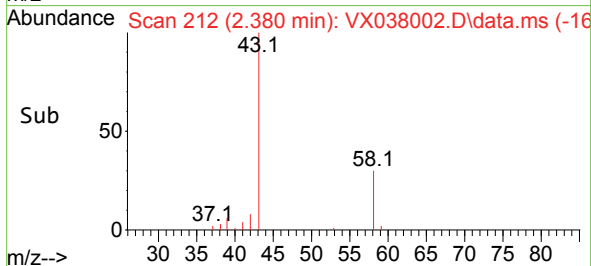


#16
Acetone
Concen: 14.789 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

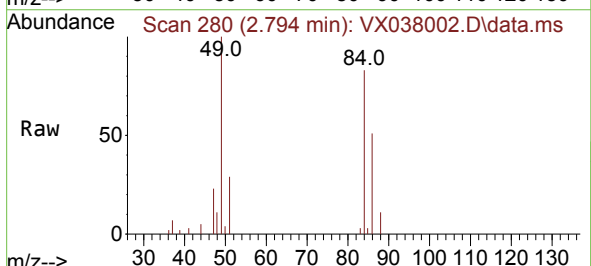
Instrument :
MSVOA_X
ClientSampleId :



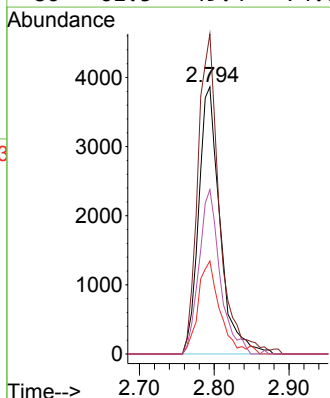
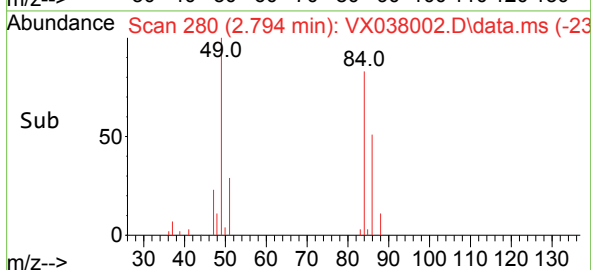
Tgt Ion: 43 Resp: 13694
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9

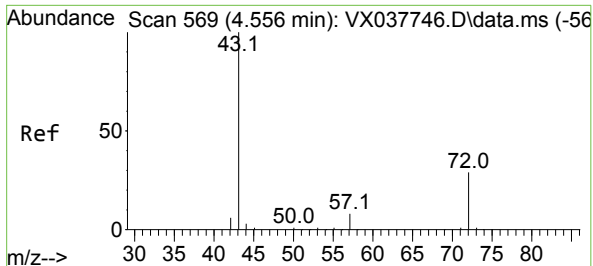


#20
Methylene Chloride
Concen: 4.466 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31



Tgt Ion: 84 Resp: 7685
Ion Ratio Lower Upper
84 100
49 119.8 103.6 155.4
51 34.8 33.8 50.6
86 61.5 49.4 74.0





#25

2-Butanone

Concen: 2.911 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX038002.D

Acq: 30 Sep 2023 14:31

Instrument :

MSVOA_X

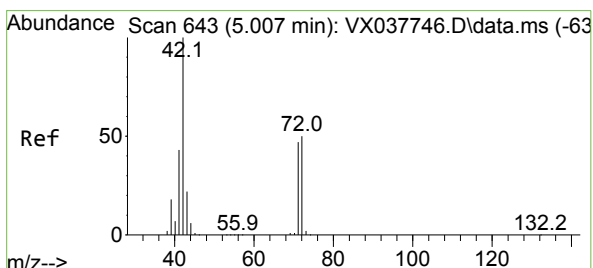
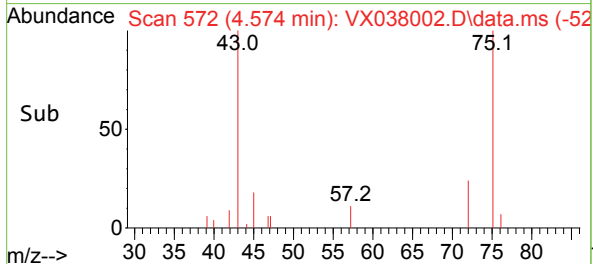
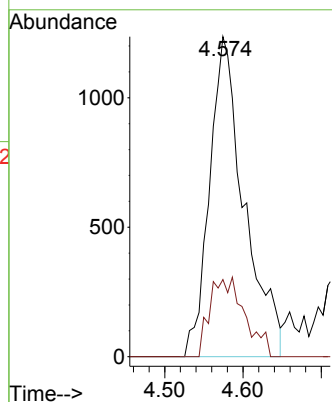
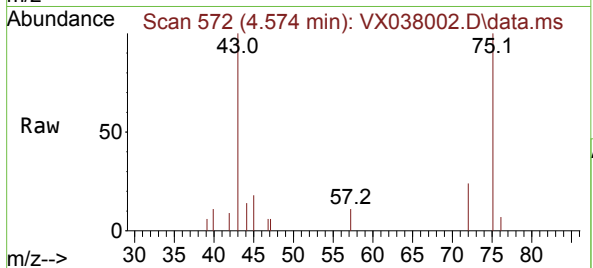
ClientSampleId :

Tgt Ion: 43 Resp: 3804

Ion Ratio Lower Upper

43 100

72 24.1 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.561 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX038002.D

Acq: 30 Sep 2023 14:31

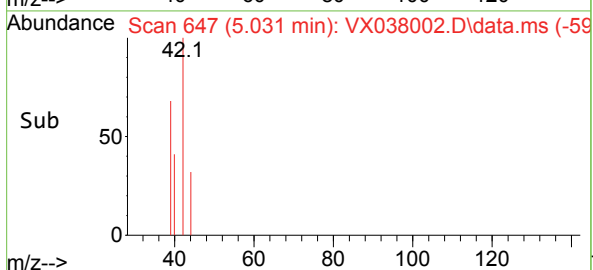
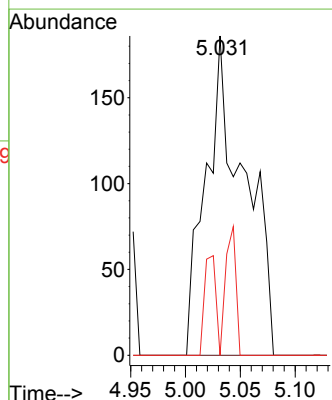
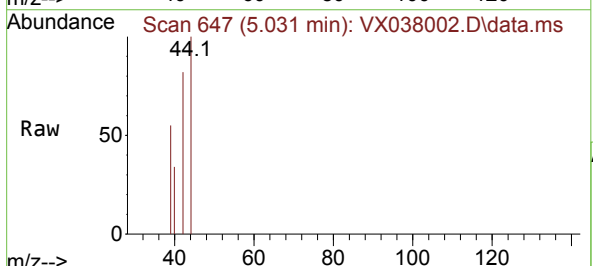
Tgt Ion: 42 Resp: 456

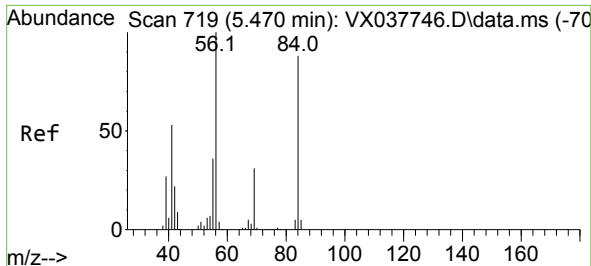
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

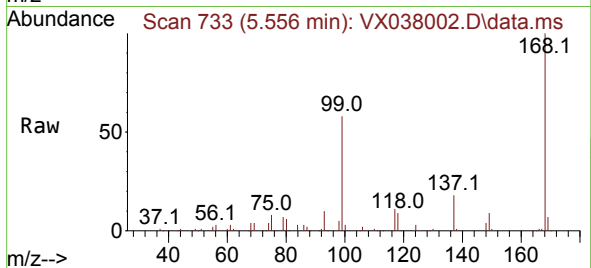
71 9.2 32.2 48.2#



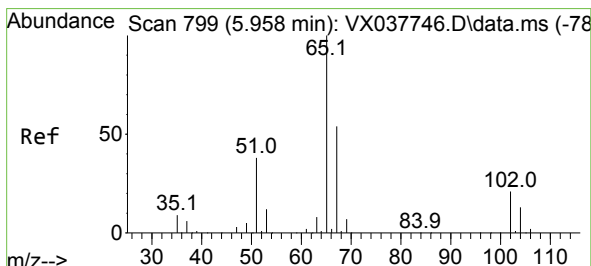
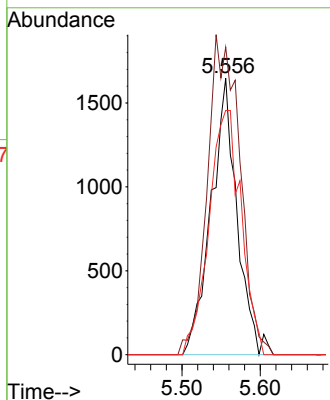
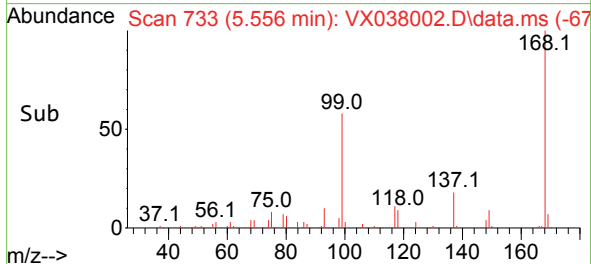


#31
Cyclohexane
Concen: 1.541 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

Instrument :
MSVOA_X
ClientSampleId :

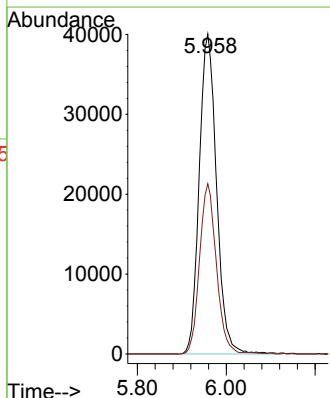
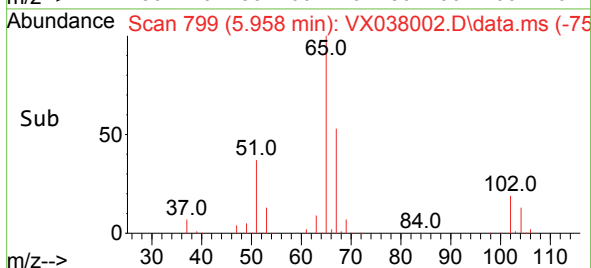
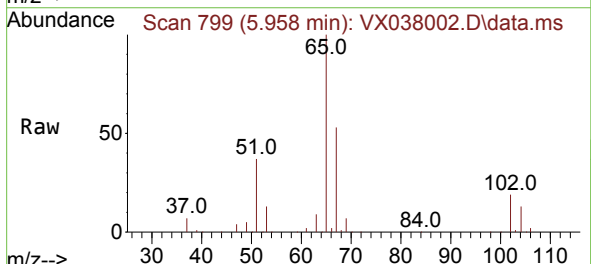


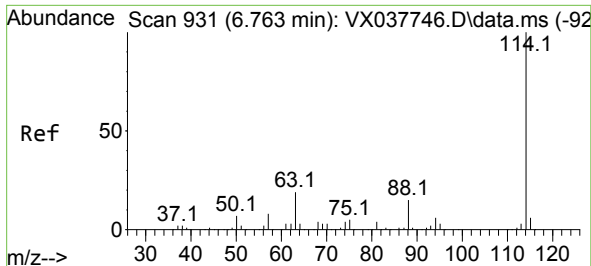
Tgt Ion: 56 Resp: 3808
Ion Ratio Lower Upper
56 100
69 111.2 23.4 35.2#
84 88.3 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 56.398 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

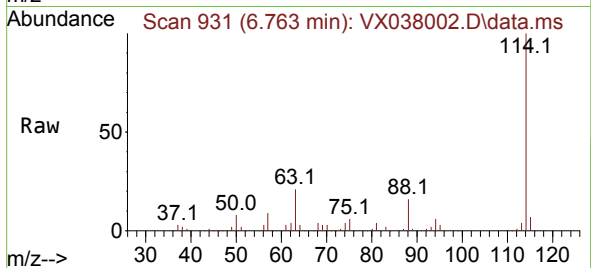
Tgt Ion: 65 Resp: 108559
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2



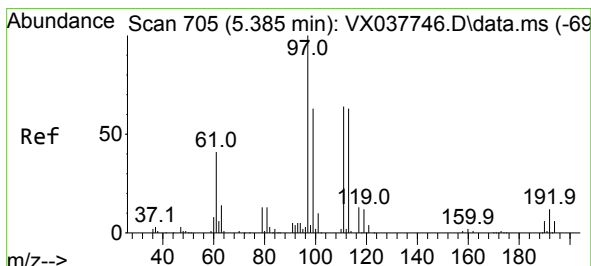
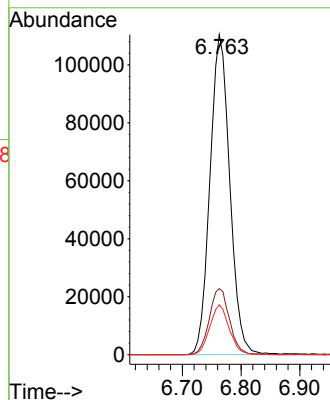
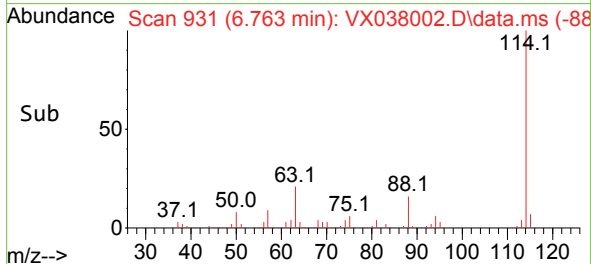


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

Instrument :
MSVOA_X
ClientSampleId :

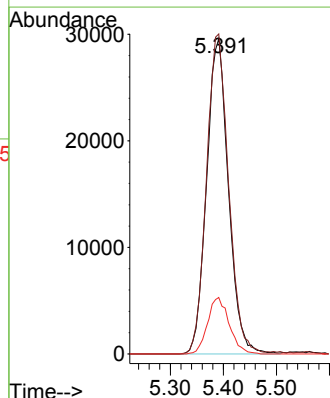
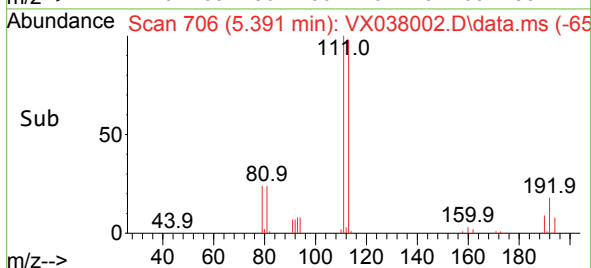
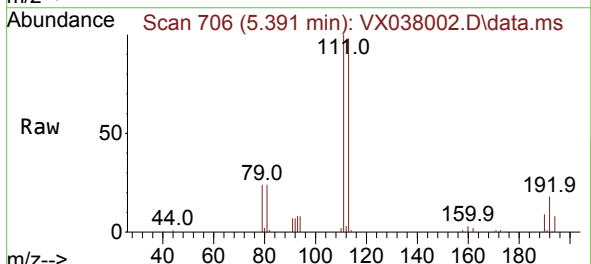


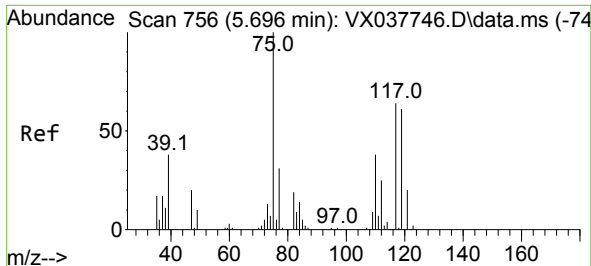
Tgt Ion:114 Resp: 259011
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.814 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

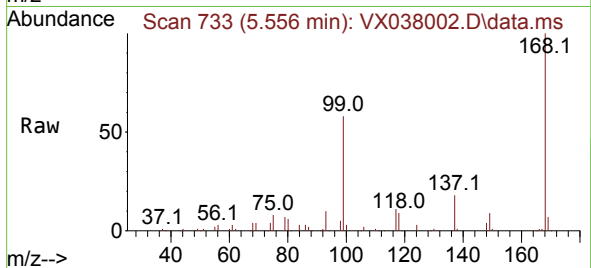
Tgt Ion:113 Resp: 84598
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 17.8 13.3 19.9



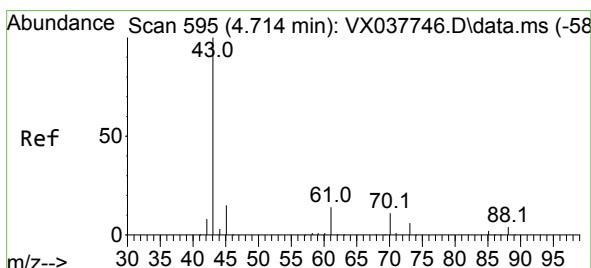
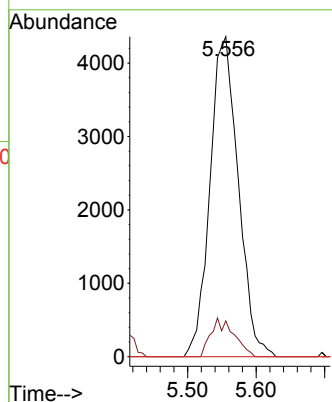
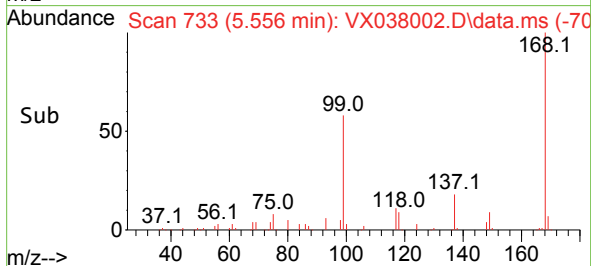


#36
1,1-Dichloropropene
Concen: 5.237 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

Instrument :
MSVOA_X
ClientSampleId :

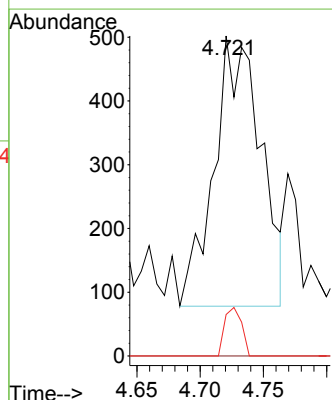
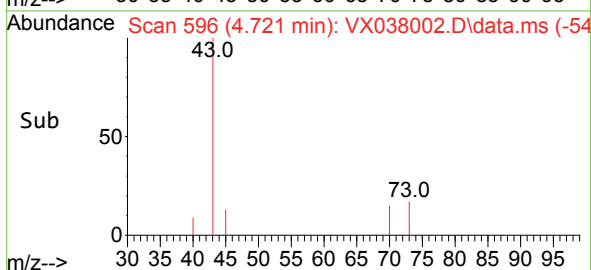
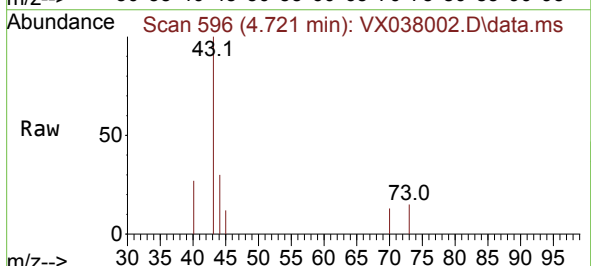


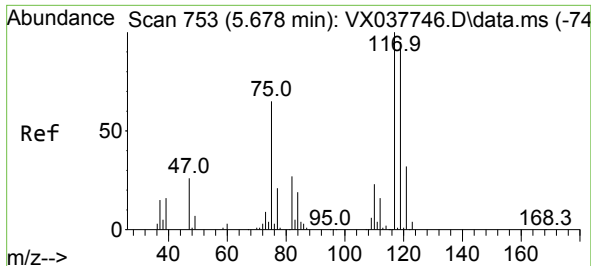
Tgt Ion: 75 Resp: 12503
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.414 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.012 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

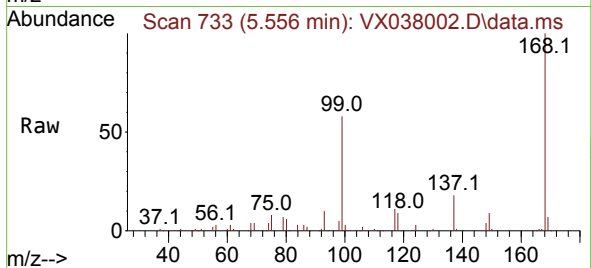
Tgt Ion: 43 Resp: 1087
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 6.5 8.3 12.5#



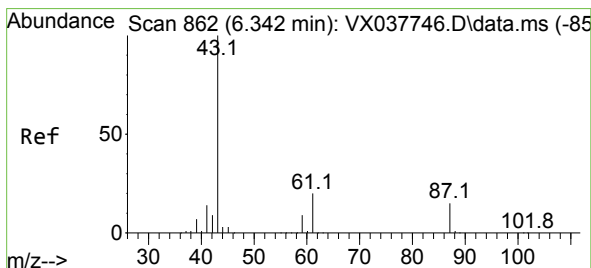
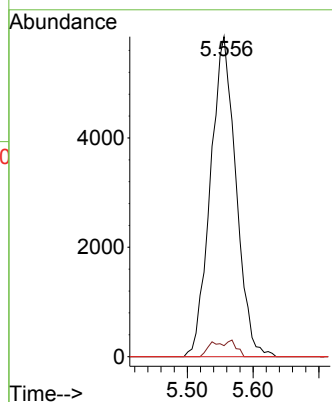
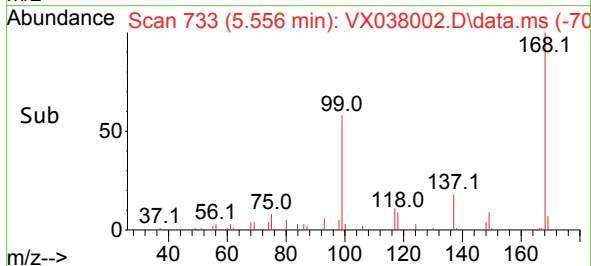


#38
Carbon Tetrachloride
Concen: 6.335 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

Instrument :
MSVOA_X
ClientSampleId :

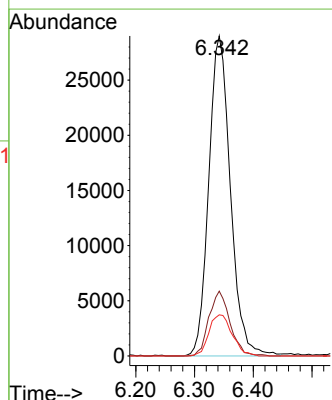
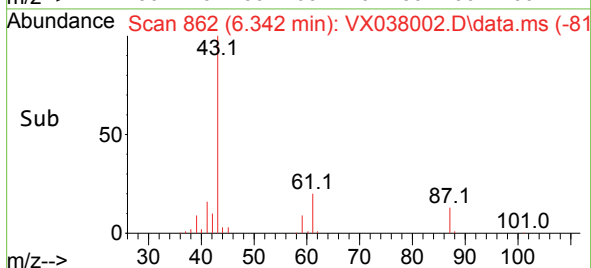
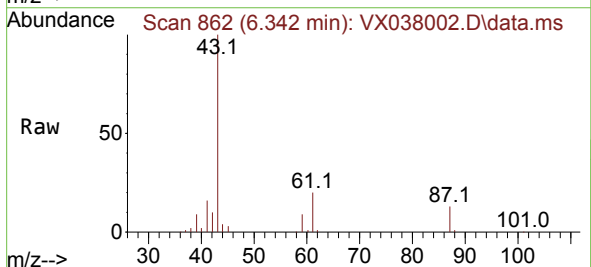


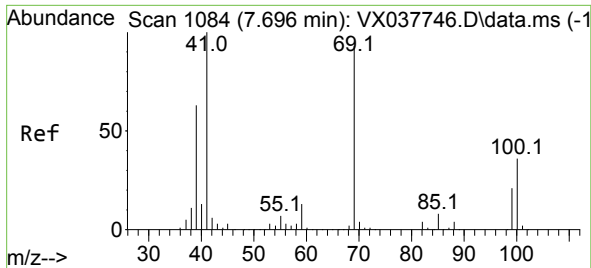
Tgt Ion:117 Resp: 15825
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 17.697 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

Tgt Ion: 43 Resp: 74268
Ion Ratio Lower Upper
43 100
61 19.7 15.2 22.8
87 13.8 9.8 14.6





#48

Methyl methacrylate

Concen: 28.228 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.097 min

Lab File: VX038002.D

Acq: 30 Sep 2023 14:31

Instrument :

MSVOA_X

ClientSampleId :

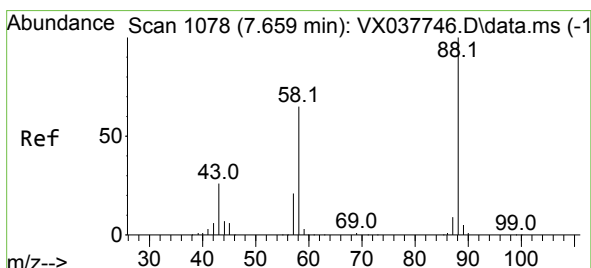
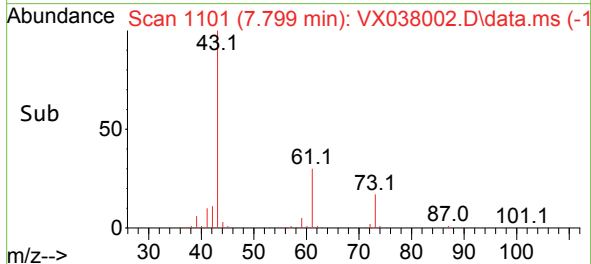
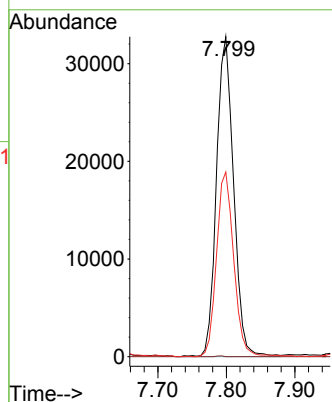
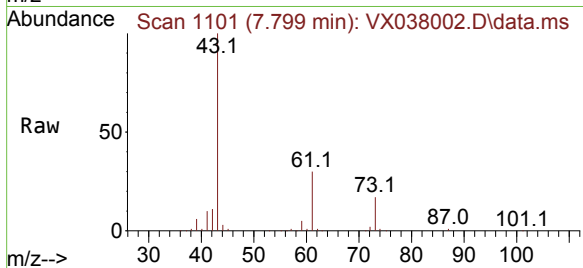
Tgt Ion: 41 Resp: 56631

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 58.2 47.7 71.5



#49

1,4-Dioxane

Concen: 0.513 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.134 min

Lab File: VX038002.D

Acq: 30 Sep 2023 14:31

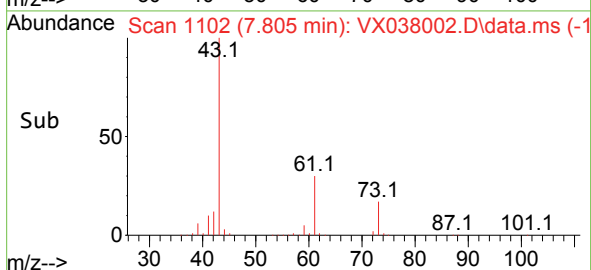
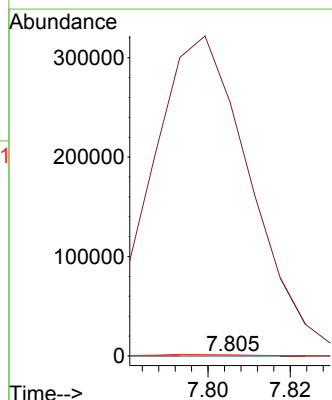
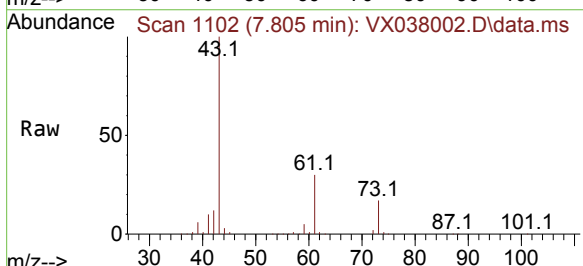
Tgt Ion: 88 Resp: 27

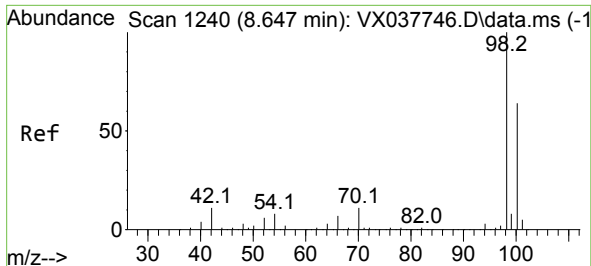
Ion Ratio Lower Upper

88 100

43 2055885.2 0.0 0.0#

58 9400.0 60.1 90.1#

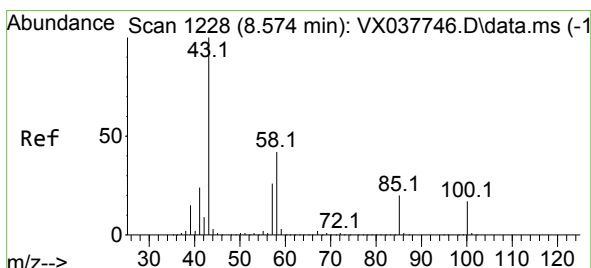
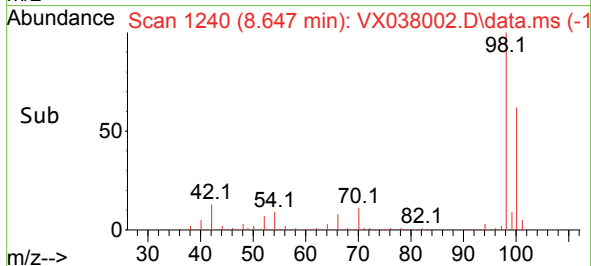
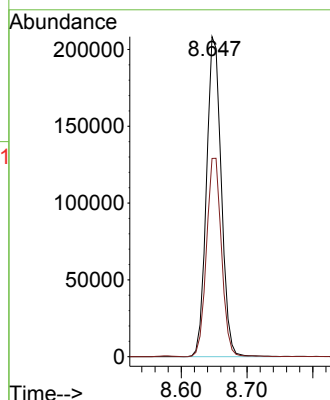
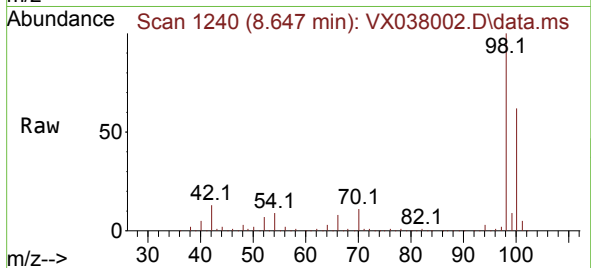




#50
Toluene-d8
Concen: 50.571 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

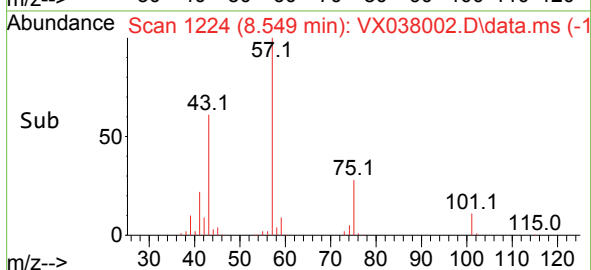
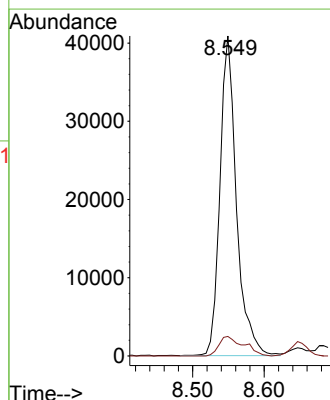
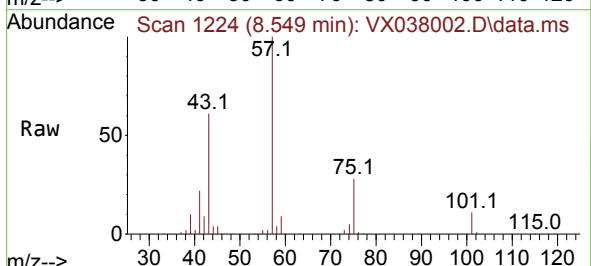
Instrument :
MSVOA_X
ClientSampleId :

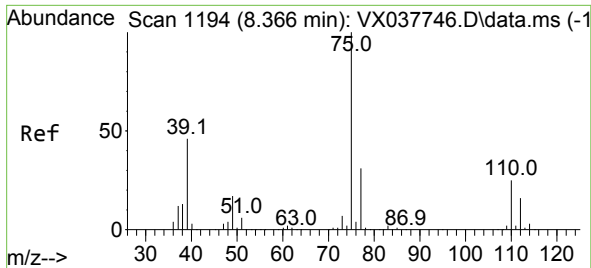
Tgt Ion: 98 Resp: 325648
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 24.610 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

Tgt Ion: 43 Resp: 65528
Ion Ratio Lower Upper
43 100
58 9.2 30.4 45.6#

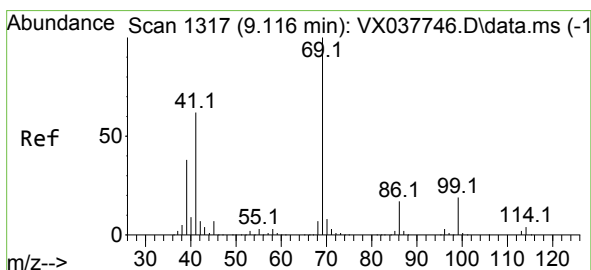
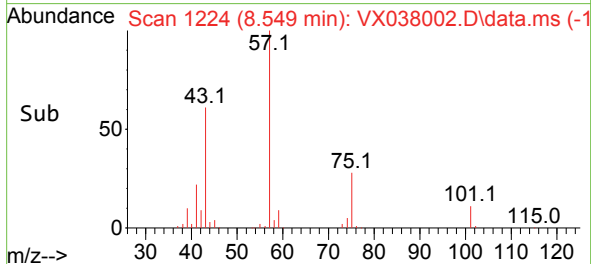
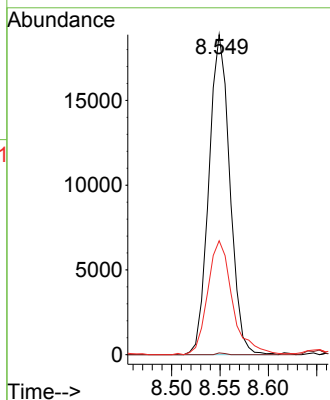
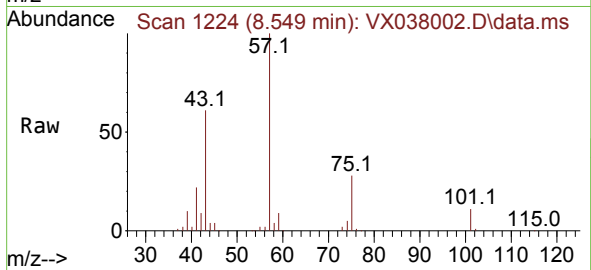




#54
 cis-1,3-Dichloropropene
 Concen: 9.736 ug/l
 RT: 8.549 min Scan# 11
 Delta R.T. 0.177 min
 Lab File: VX038002.D
 Acq: 30 Sep 2023 14:31

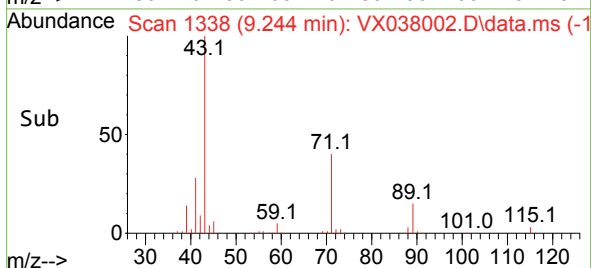
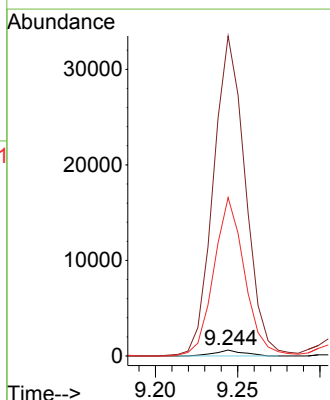
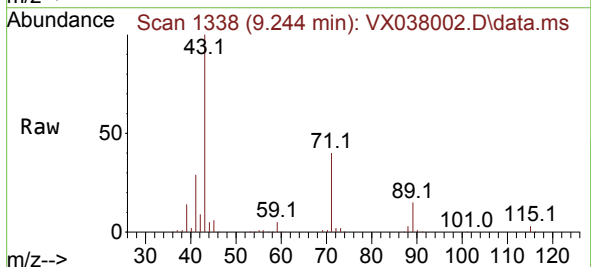
Instrument :
 MSVOA_X
 ClientSampleId :

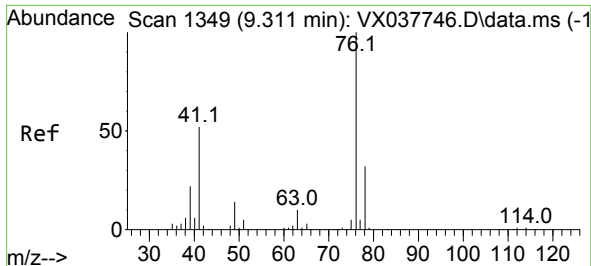
Tgt Ion: 75 Resp: 28458
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 35.2 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.251 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.122 min
 Lab File: VX038002.D
 Acq: 30 Sep 2023 14:31

Tgt Ion: 69 Resp: 746
 Ion Ratio Lower Upper
 69 100
 41 6074.7 56.8 85.2#
 39 2901.6 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 0.689 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX038002.D

Acq: 30 Sep 2023 14:31

Instrument :

MSVOA_X

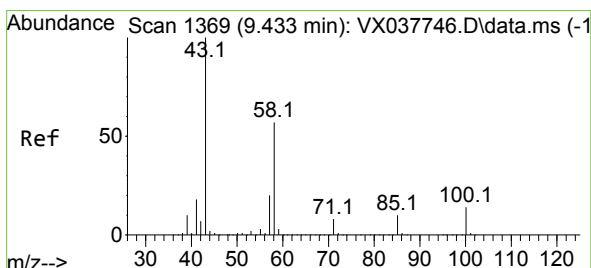
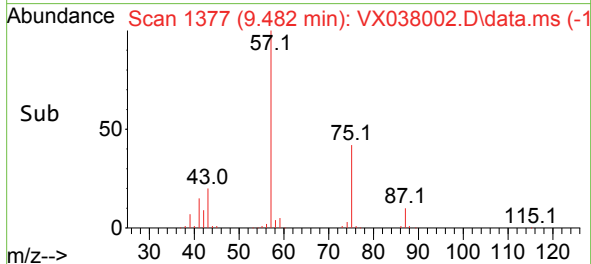
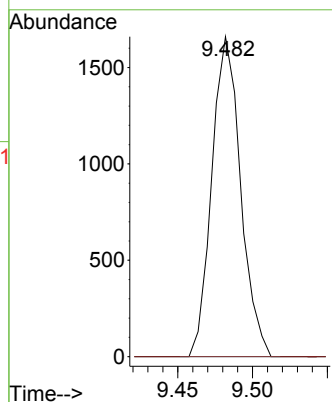
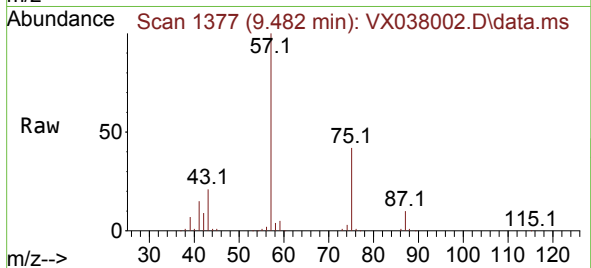
ClientSampleId :

Tgt Ion: 76 Resp: 2223

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 15.024 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038002.D

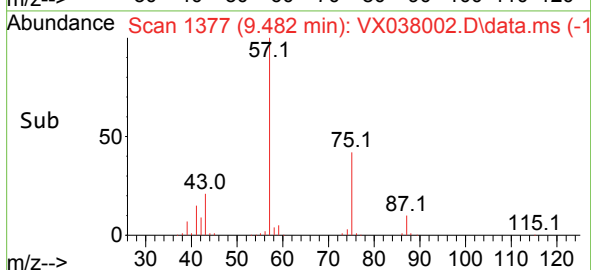
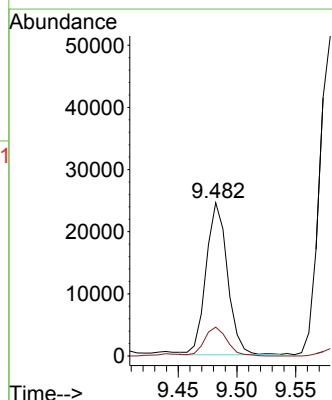
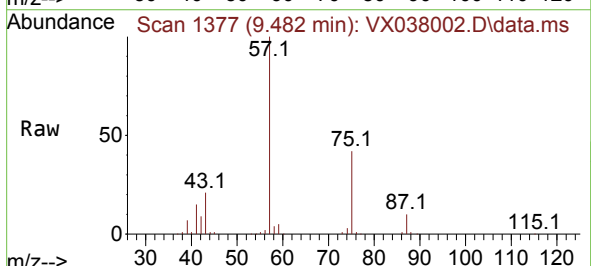
Acq: 30 Sep 2023 14:31

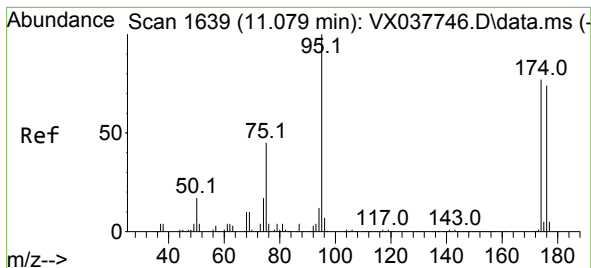
Tgt Ion: 43 Resp: 31147

Ion Ratio Lower Upper

43 100

58 20.0 26.2 78.5#

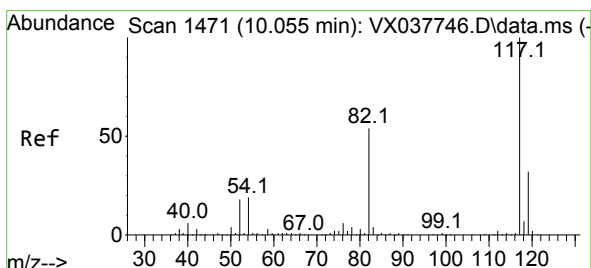
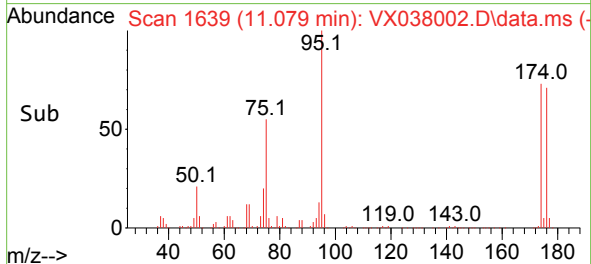
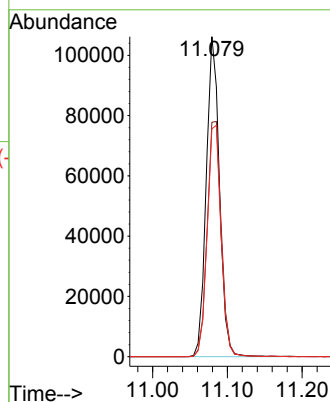
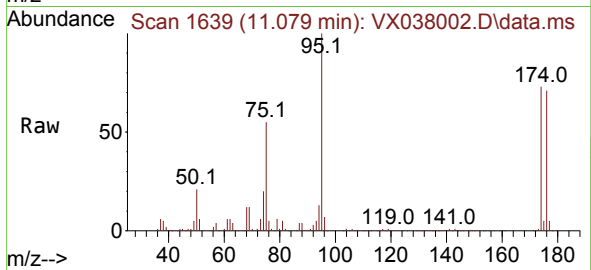




#62
4-Bromofluorobenzene
Concen: 55.496 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

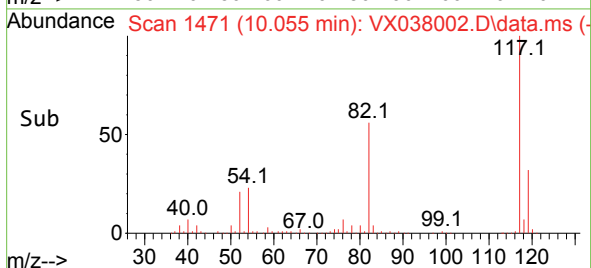
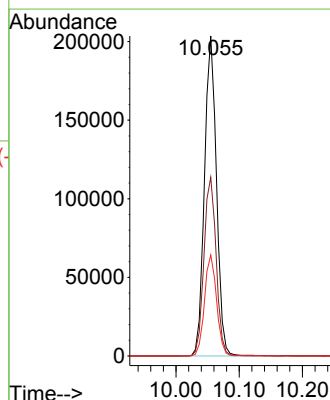
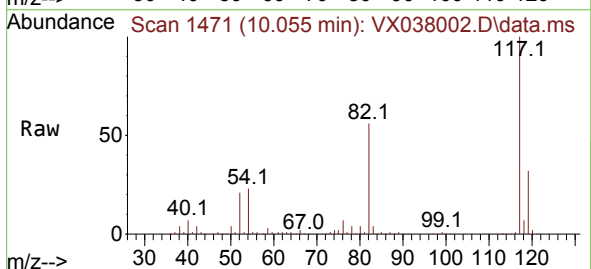
Instrument :
MSVOA_X
ClientSampleId :

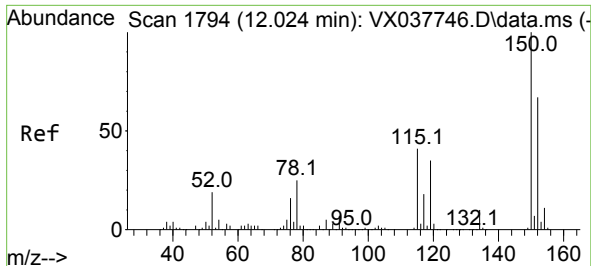
Tgt Ion: 95 Resp: 129859
Ion Ratio Lower Upper
95 100
174 79.1 0.0 135.6
176 75.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038002.D
Acq: 30 Sep 2023 14:31

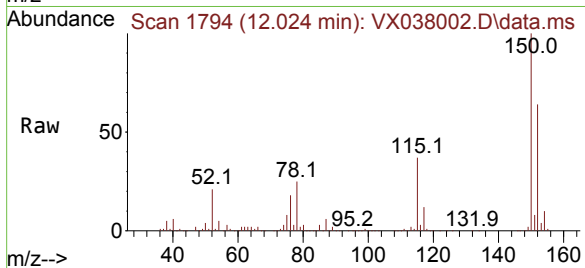
Tgt Ion: 117 Resp: 269446
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 31.6 25.5 38.3



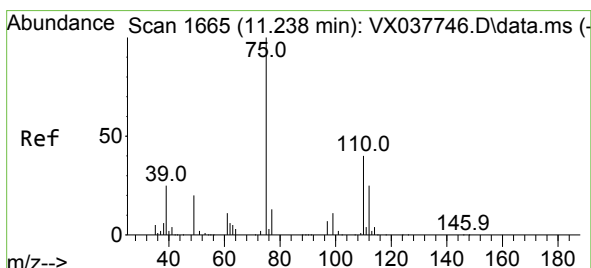
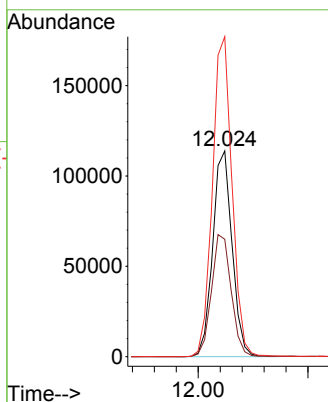
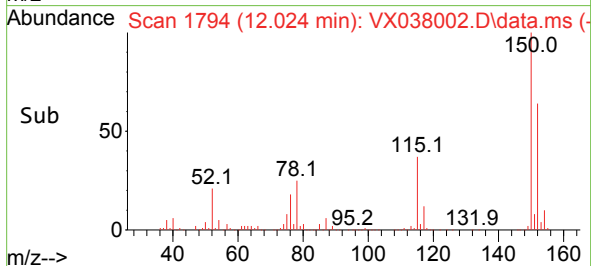


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX038002.D
 Acq: 30 Sep 2023 14:31

Instrument :
 MSVOA_X
 ClientSampleId :

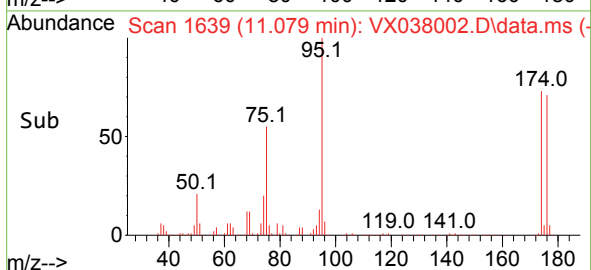
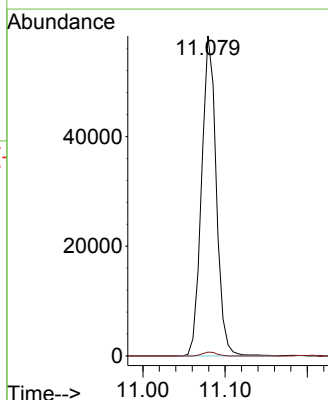
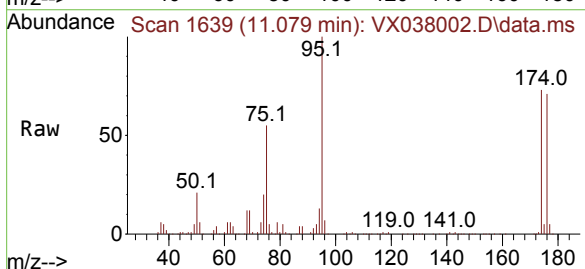


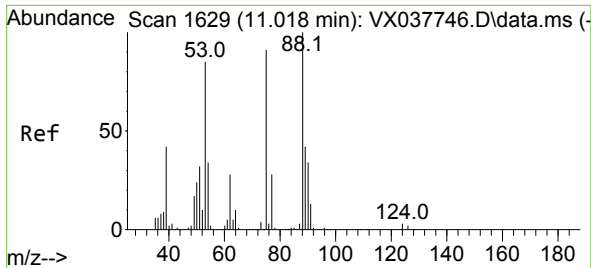
Tgt Ion:152 Resp: 139949
 Ion Ratio Lower Upper
 152 100
 115 60.4 43.3 129.9
 150 157.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.381 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038002.D
 Acq: 30 Sep 2023 14:31

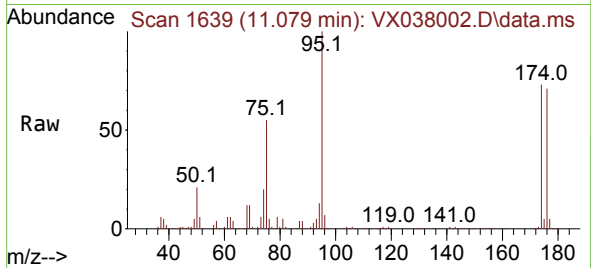
Tgt Ion: 75 Resp: 72444
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.694 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038002.D
 Acq: 30 Sep 2023 14:31

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 72444
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

