

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037690.D
 Acq On : 13 Sep 2023 13:16
 Operator : JC/MD
 Sample : 04373-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 14 02:19:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

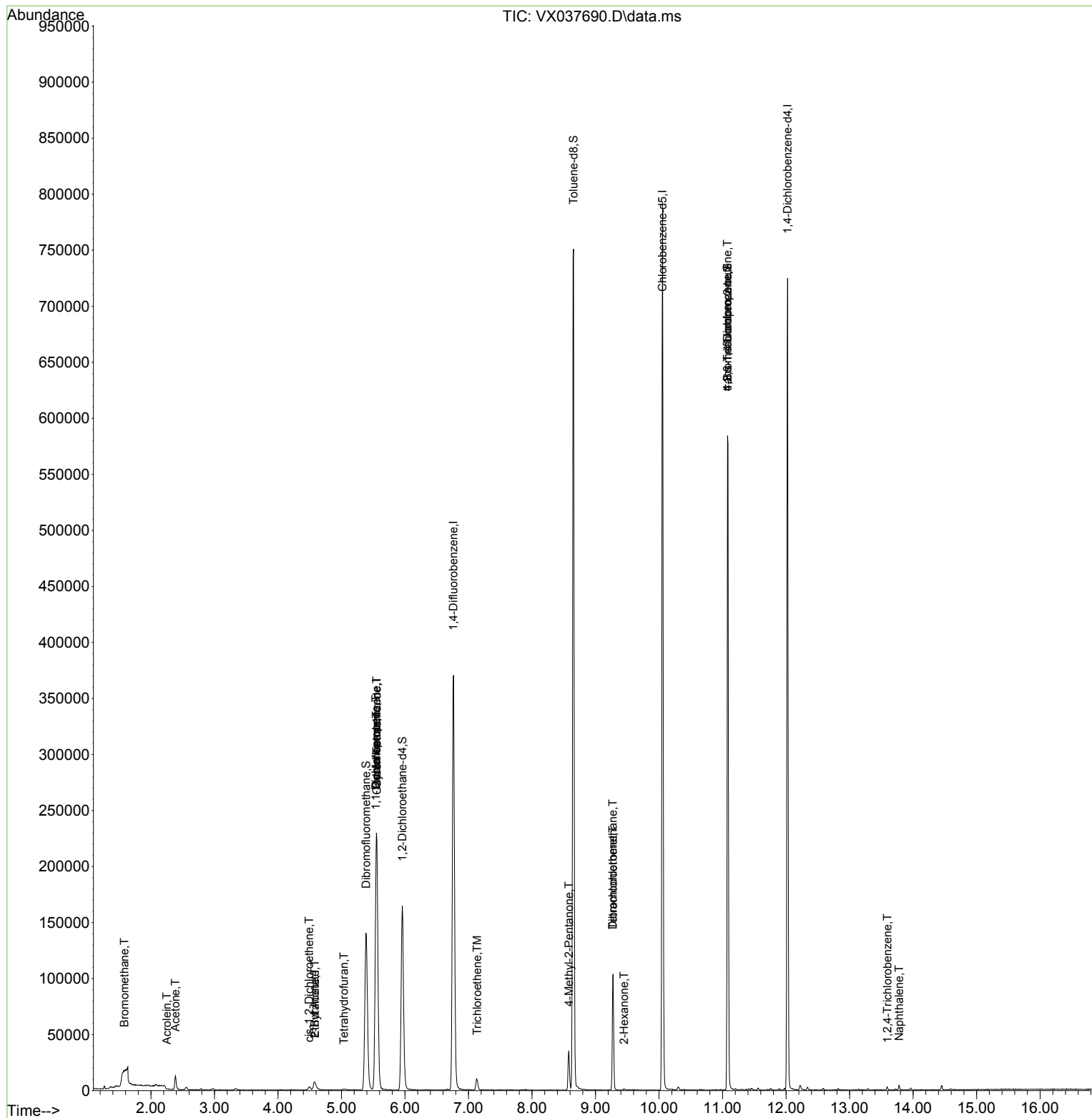
Internal Standards						
1) Pentafluorobenzene	5.549	168	218374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	380680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	350792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154543	43.741	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.480%
35) Dibromofluoromethane	5.385	113	122579	45.428	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.860%
50) Toluene-d8	8.652	98	463052	45.502	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.000%#
62) 4-Bromofluorobenzene	11.079	95	157675	42.947	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.900%
Target Compounds						
					Qvalue	
5) Bromomethane	1.581	94	787	0.307	ug/l #	49
11) Tert butyl alcohol	2.977	59	1458	Below Cal	#	86
13) Acrolein	2.251	56	305	0.528	ug/l #	50
16) Acetone	2.385	43	13250	9.276	ug/l	99
20) Methylene Chloride	2.794	84	526	Below Cal	#	66
25) 2-Butanone	4.580	43	14743	6.330	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	2023	0.642	ug/l	77
29) Tetrahydrofuran	5.037	42	671	0.452	ug/l #	63
31) Cyclohexane	5.549	56	4893	1.203	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	17808	4.851	ug/l #	46
37) Ethyl Acetate	4.580	43	14743	3.510	ug/l #	69
38) Carbon Tetrachloride	5.555	117	23004	6.134	ug/l #	15
44) Trichloroethene	7.134	130	3969	1.428	ug/l	92
51) 4-Methyl-2-Pentanone	8.579	43	21172	4.812	ug/l	97
59) 2-Hexanone	9.451	43	1311	0.386	ug/l	68
60) Dibromochloromethane	9.274	129	18656	6.304	ug/l #	11
64) Tetrachloroethene	9.274	164	18346	8.072	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	84235	25.968	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	84235	78.936	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.597	180	693	0.231	ug/l	88
95) Naphthalene	13.780	128	3234	0.298	ug/l #	92

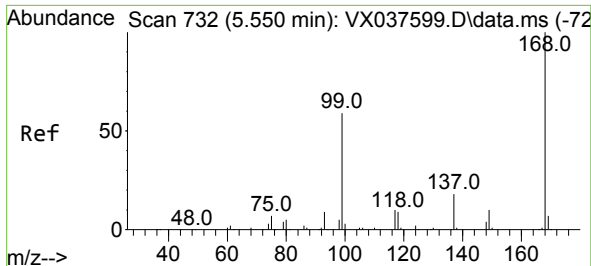
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037690.D
Acq On : 13 Sep 2023 13:16
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Sample : 04373-04RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

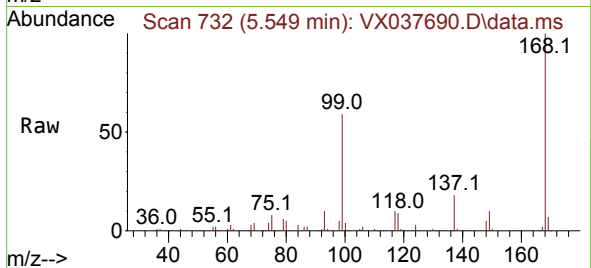
Quant Time: Sep 14 02:19:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration



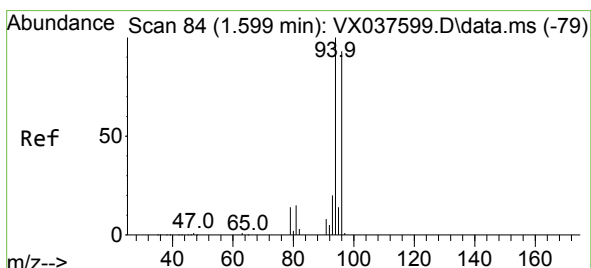
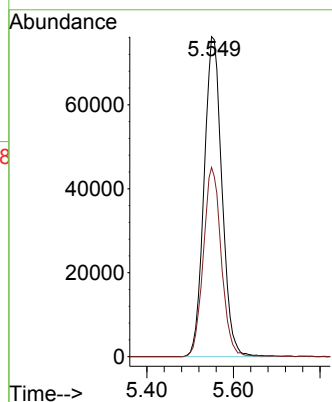
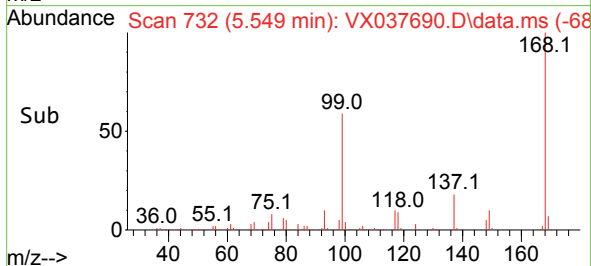


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Instrument :
MSVOA_X
ClientSampleId :

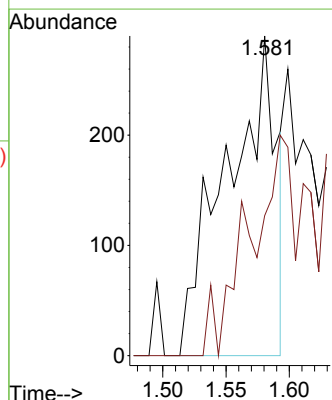
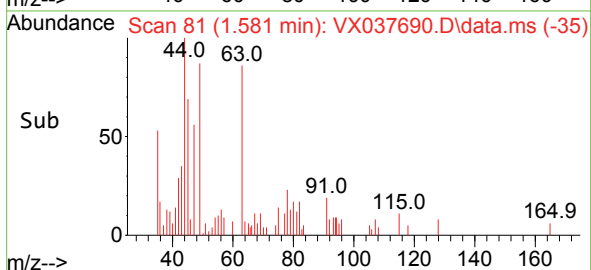
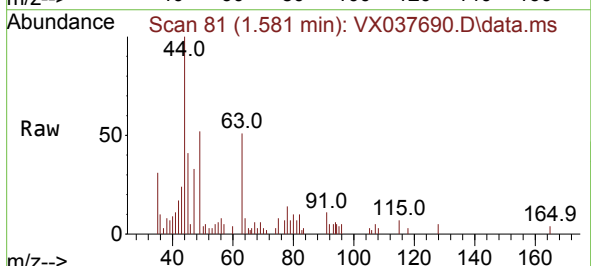


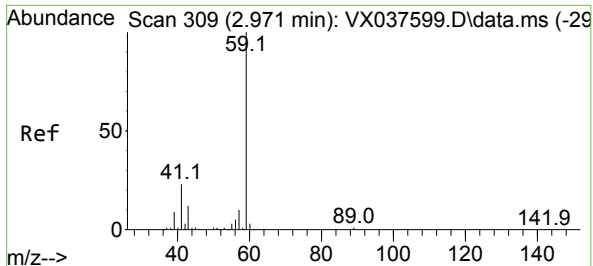
Tgt Ion:168 Resp: 218374
Ion Ratio Lower Upper
168 100
99 59.2 56.6 85.0



#5
Bromomethane
Concen: 0.307 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.019 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

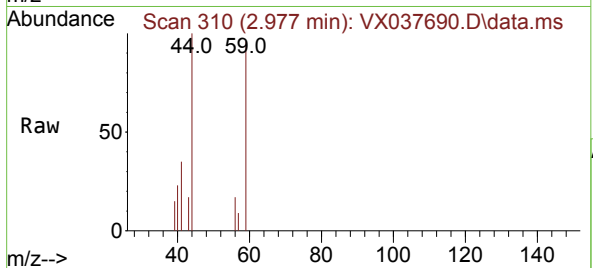
Tgt Ion: 94 Resp: 787
Ion Ratio Lower Upper
94 100
96 43.8 74.6 111.8#



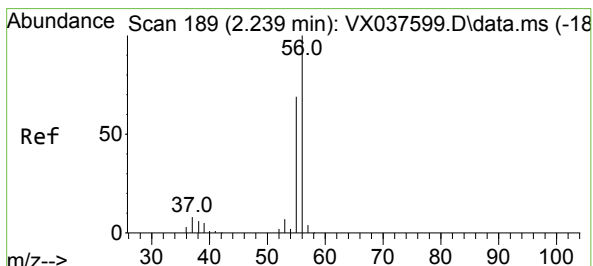
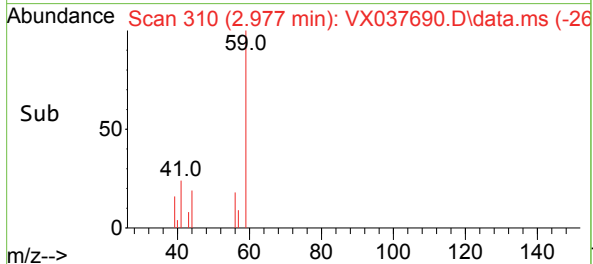
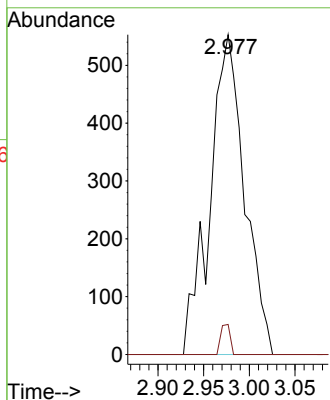


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Instrument :
MSVOA_X
ClientSampleId :

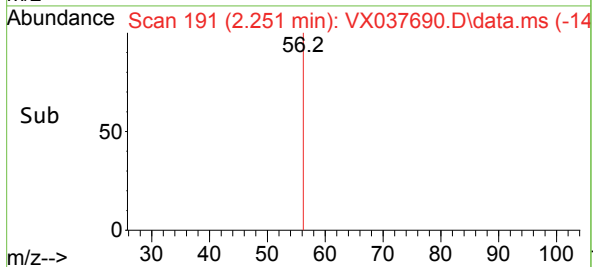
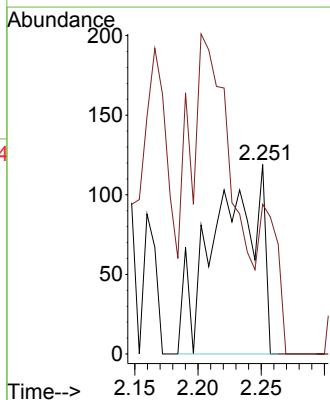
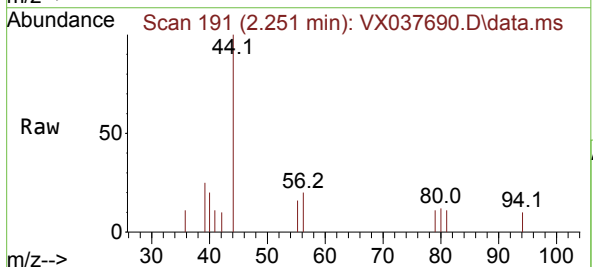


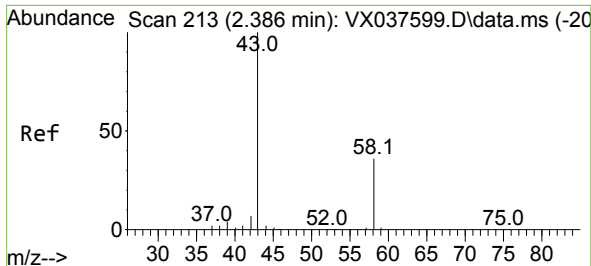
Tgt Ion: 59 Resp: 1458
Ion Ratio Lower Upper
59 100
57 2.5 6.0 9.0#



#13
Acrolein
Concen: 0.528 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Tgt Ion: 56 Resp: 305
Ion Ratio Lower Upper
56 100
55 29.8 57.1 85.7#





#16

Acetone

Concen: 9.276 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.001 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

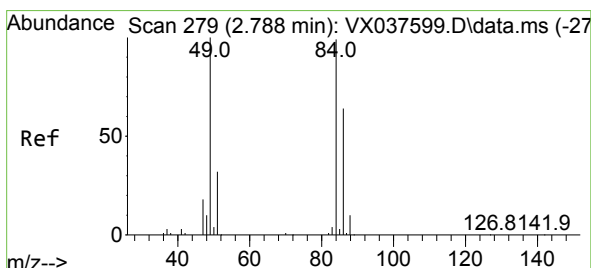
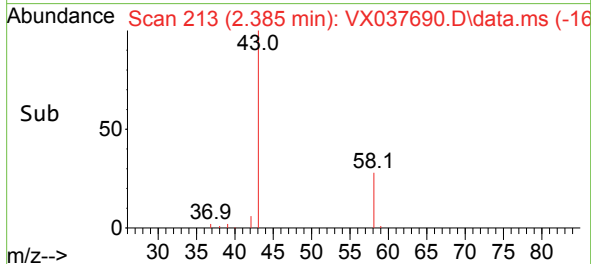
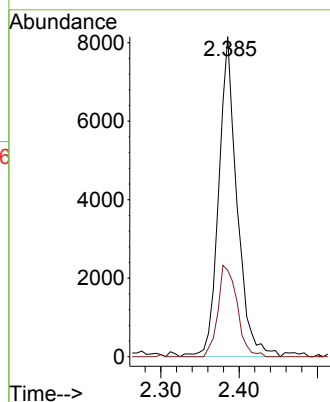
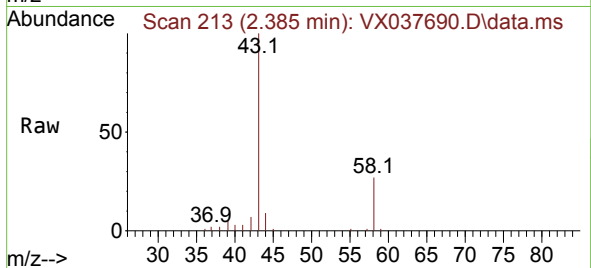
ClientSampleId :

Tgt Ion: 43 Resp: 13250

Ion Ratio Lower Upper

43 100

58 27.0 21.9 32.9



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Tgt Ion: 84 Resp: 526

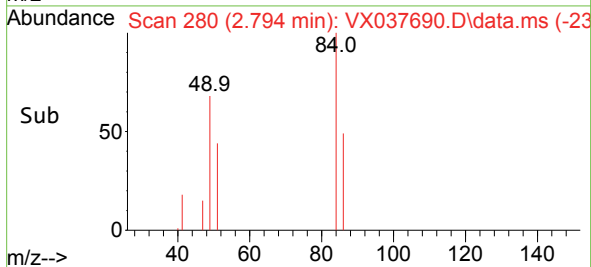
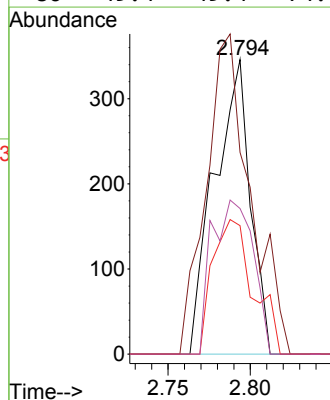
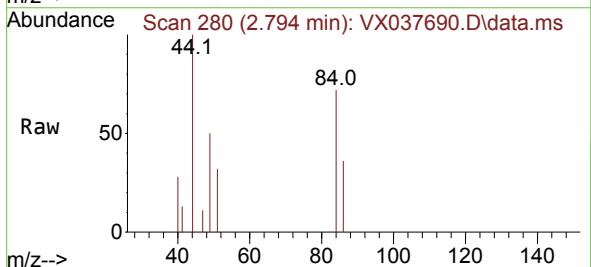
Ion Ratio Lower Upper

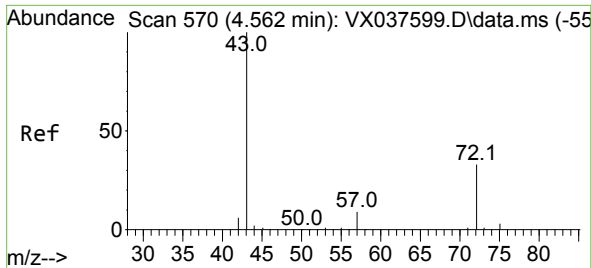
84 100

49 68.5 103.6 155.4#

51 43.6 33.8 50.6

86 49.4 49.4 74.0

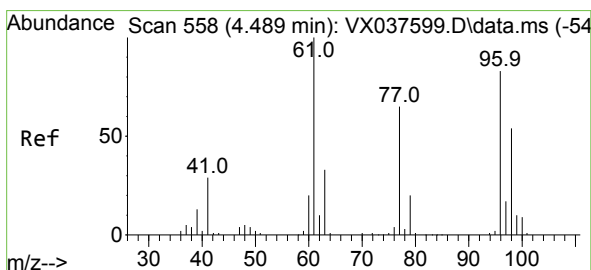
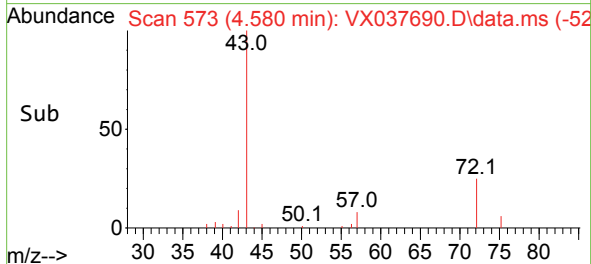
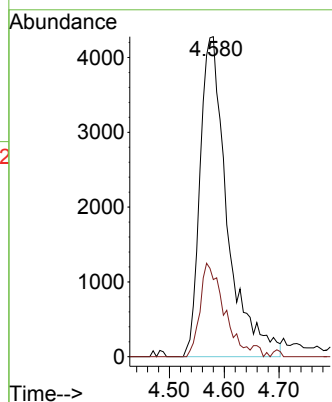
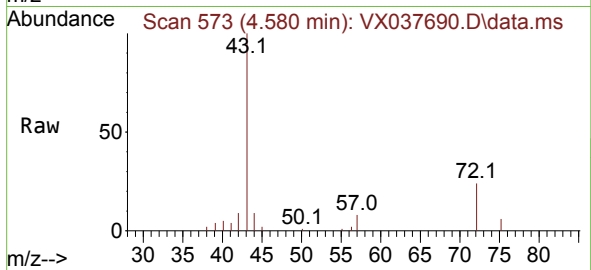




#25
2-Butanone
Concen: 6.330 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

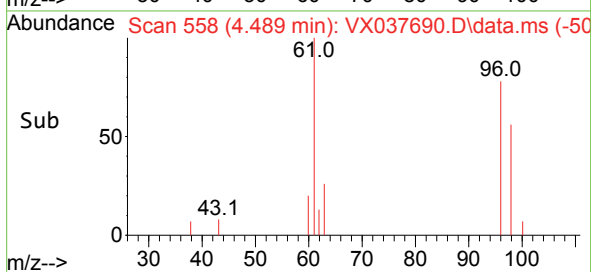
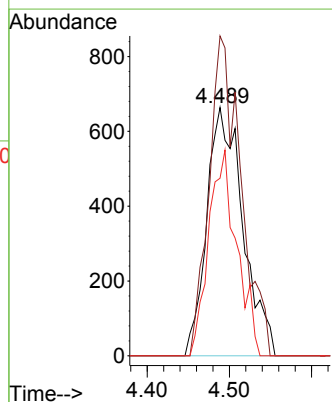
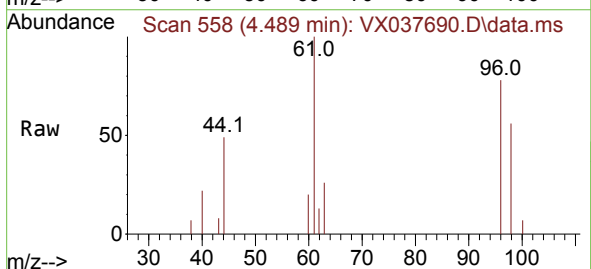
Instrument :
MSVOA_X
ClientSampleId :

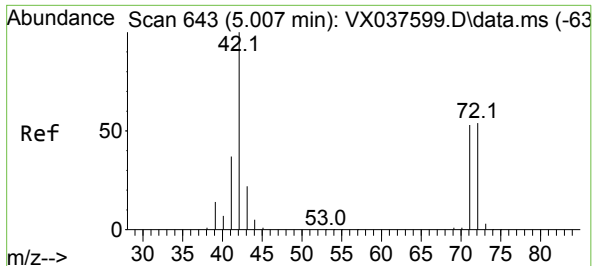
Tgt Ion: 43 Resp: 14743
Ion Ratio Lower Upper
43 100
72 24.1 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 0.642 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.001 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Tgt Ion: 96 Resp: 2023
Ion Ratio Lower Upper
96 100
61 113.7 0.0 312.2
98 64.4 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.452 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

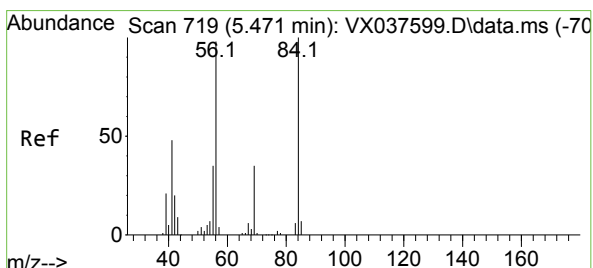
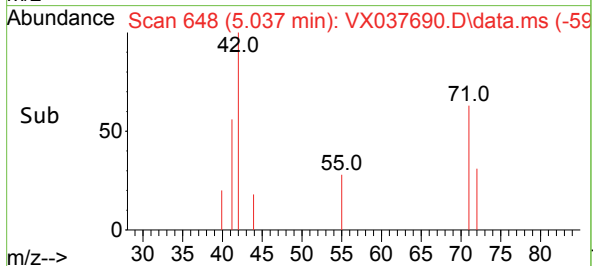
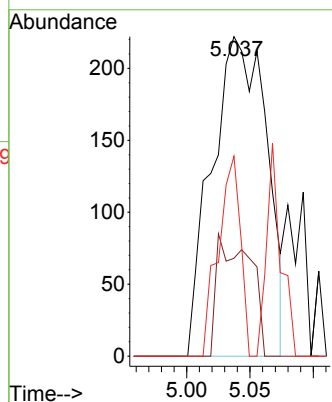
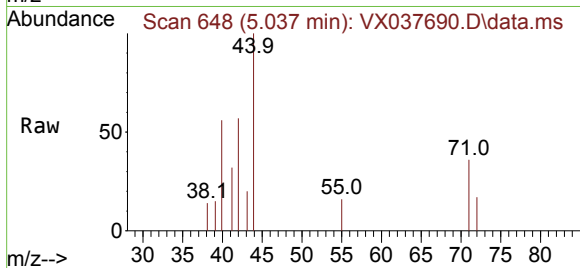
Tgt Ion: 42 Resp: 671

Ion Ratio Lower Upper

42 100

72 11.9 34.2 51.4#

71 25.2 32.2 48.2#



#31

Cyclohexane

Concen: 1.203 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

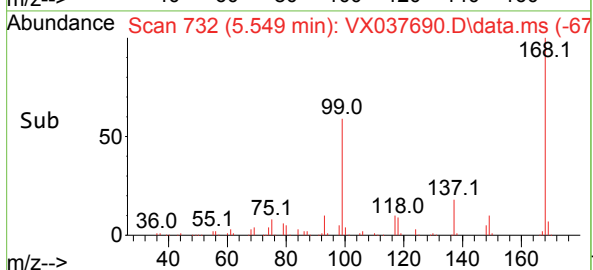
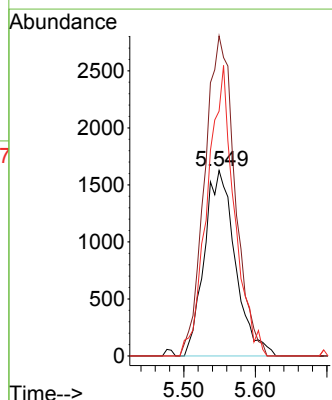
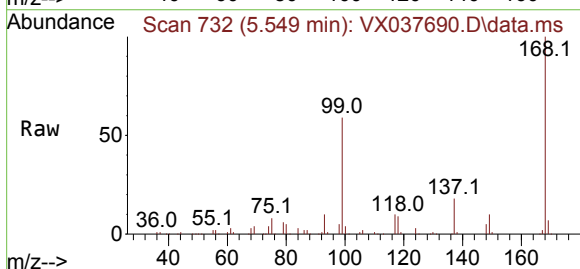
Tgt Ion: 56 Resp: 4893

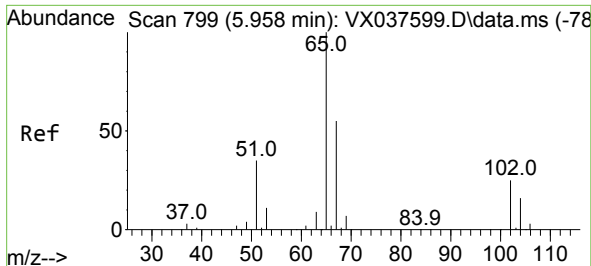
Ion Ratio Lower Upper

56 100

69 172.6 23.4 35.2#

84 132.0 65.9 98.9#

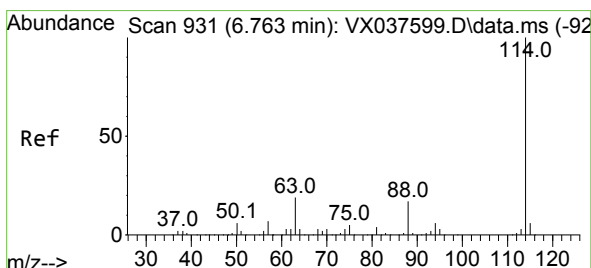
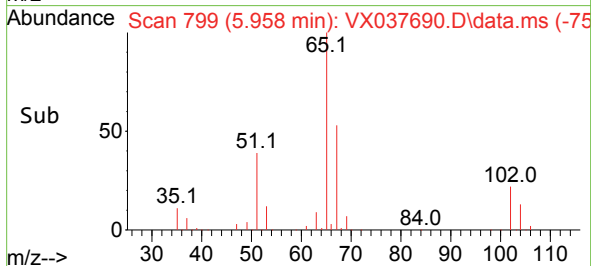
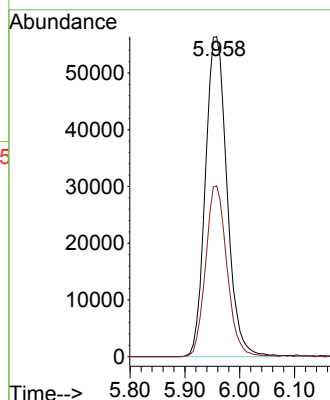
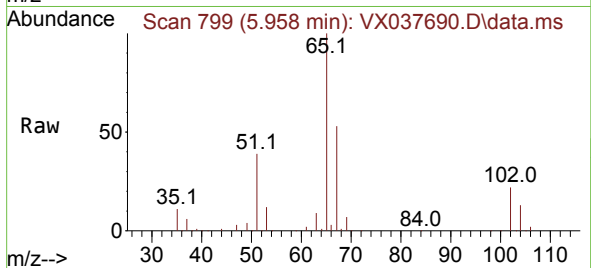




#33
 1,2-Dichloroethane-d4
 Concen: 43.741 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX037690.D
 Acq: 13 Sep 2023 13:16

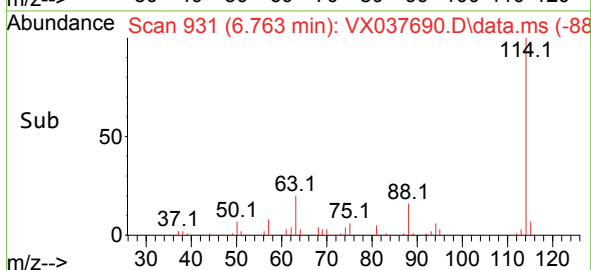
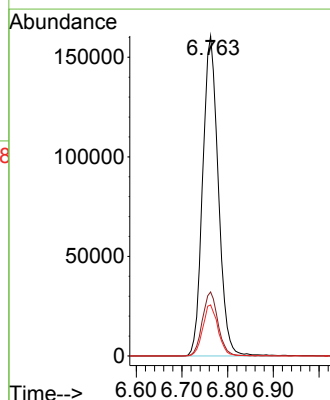
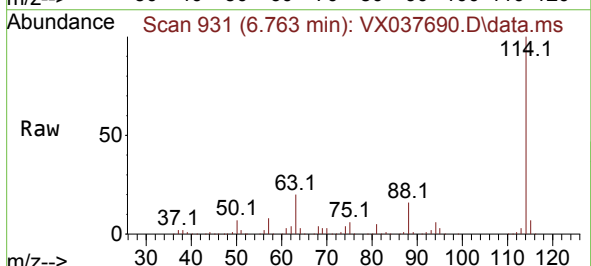
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 ClientSampleId :

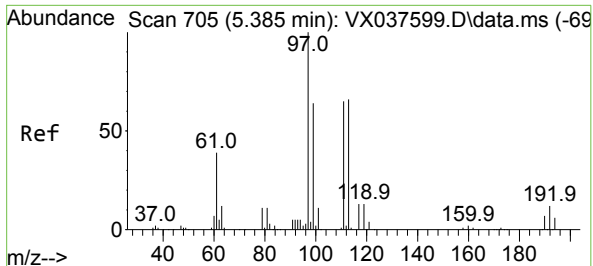
Tgt Ion: 65 Resp: 154543
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX037690.D
 Acq: 13 Sep 2023 13:16

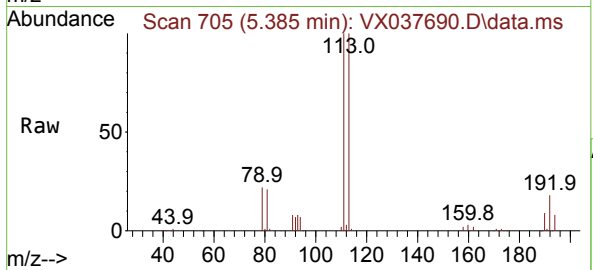
Tgt Ion:114 Resp: 380680
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 45.0
 88 16.0 0.0 36.6



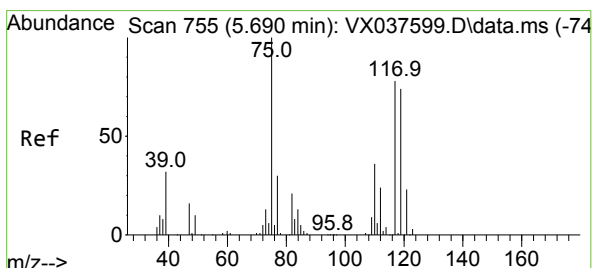
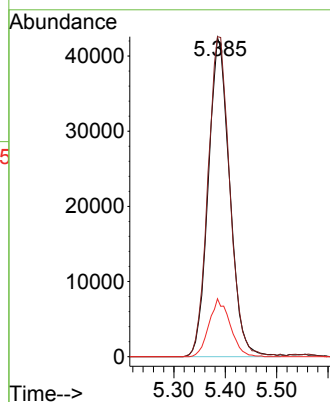
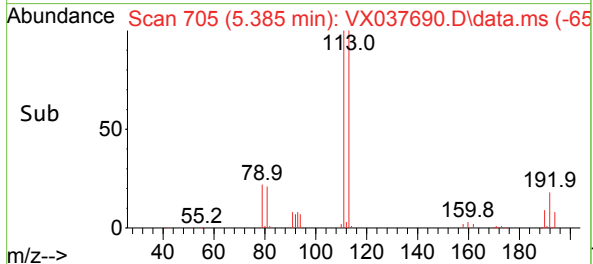


#35
Dibromofluoromethane
Concen: 45.428 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Instrument :
MSVOA_X
ClientSampleId :

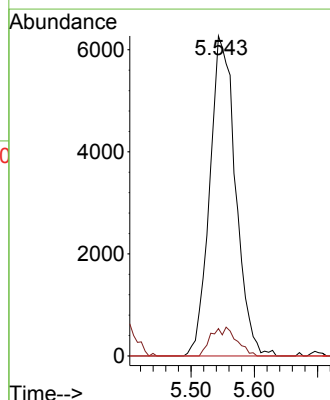
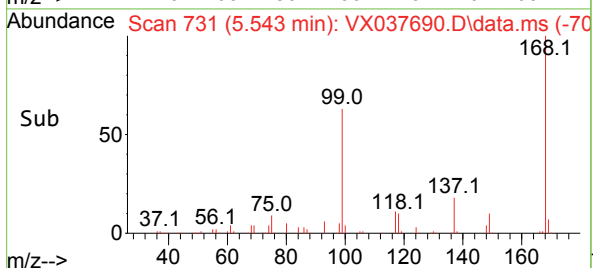
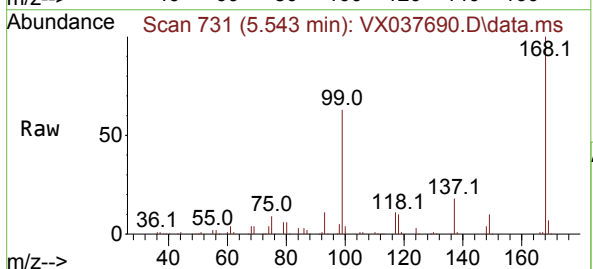


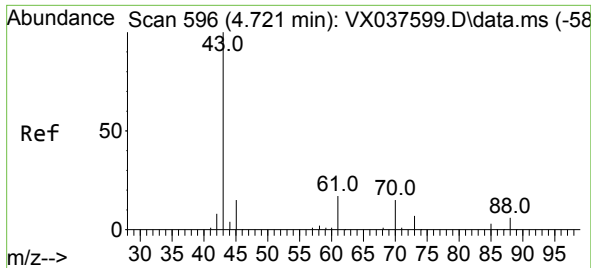
Tgt Ion:113 Resp: 122579
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 17.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.851 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Tgt Ion: 75 Resp: 17808
Ion Ratio Lower Upper
75 100
110 4.4 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 3.510 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.141 min

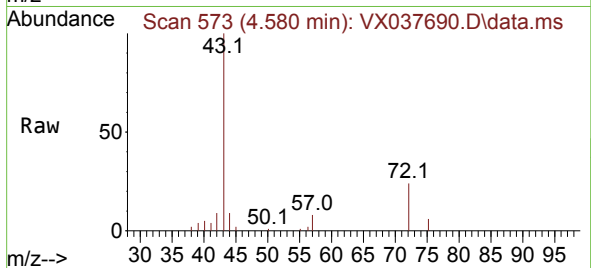
Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :



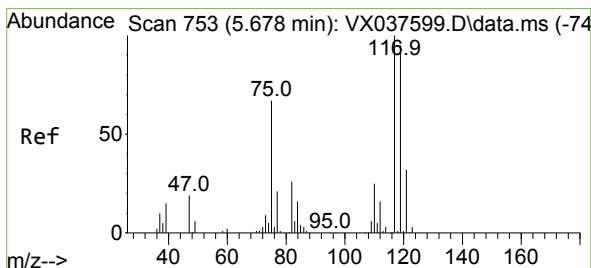
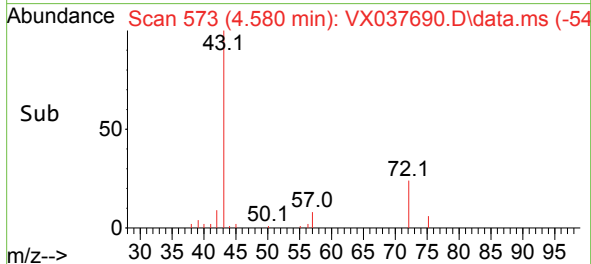
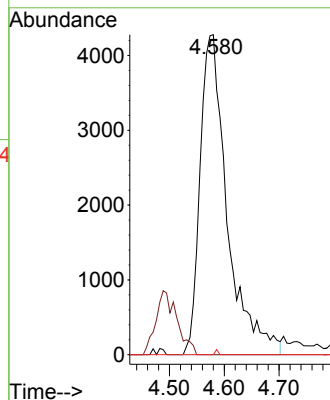
Tgt Ion: 43 Resp: 14743

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.2 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.134 ug/l

RT: 5.555 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

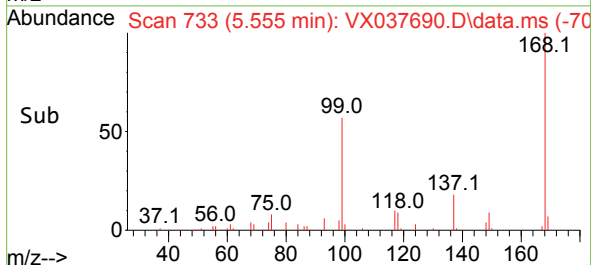
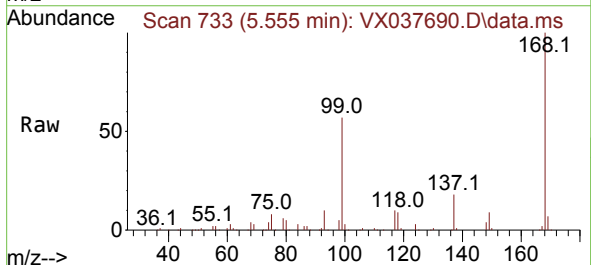
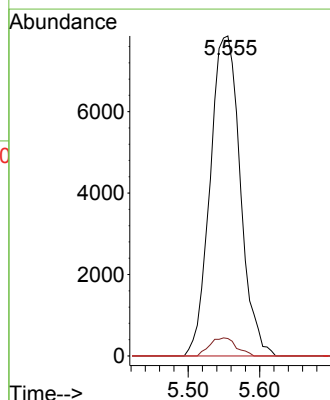
Tgt Ion: 117 Resp: 23004

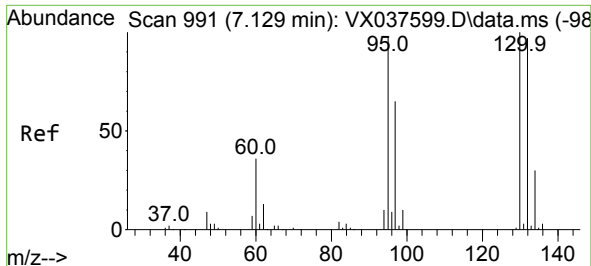
Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

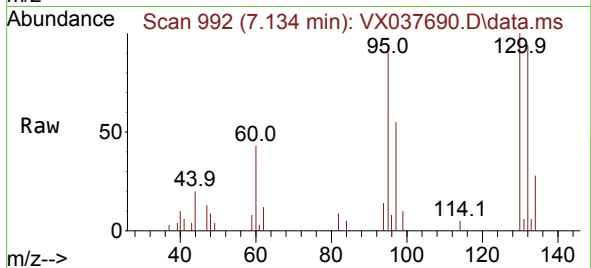
121 0.0 24.4 36.6#



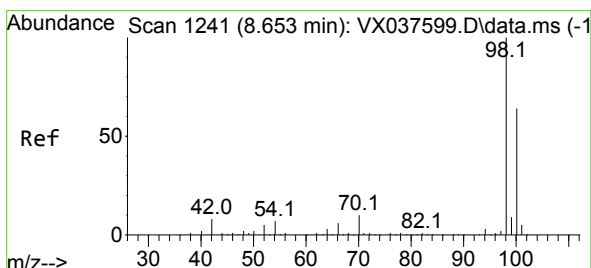
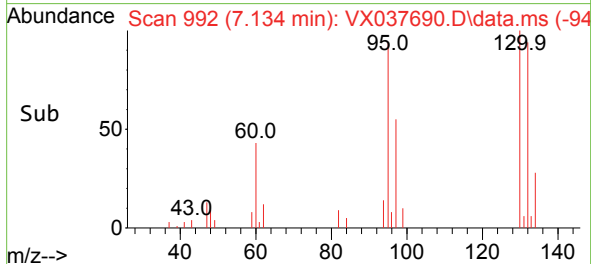
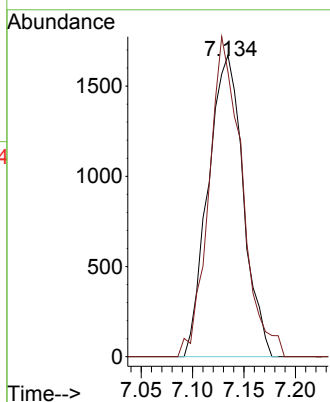


#44
Trichloroethene
Concen: 1.428 ug/l
RT: 7.134 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Instrument :
MSVOA_X
ClientSampleId :

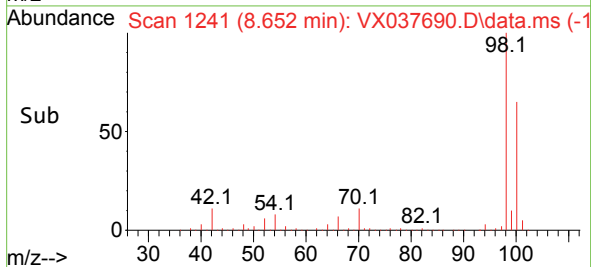
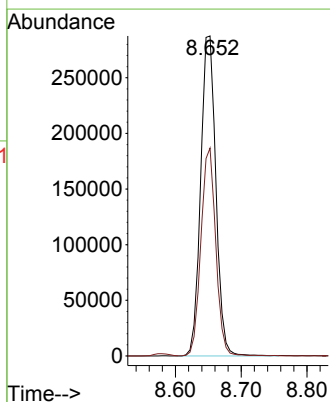
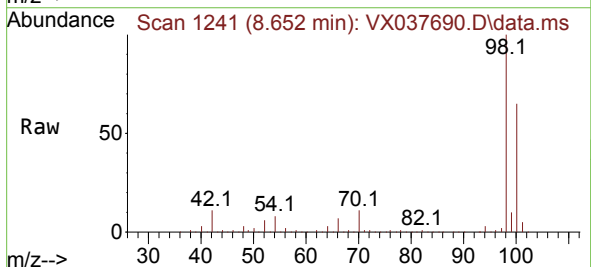


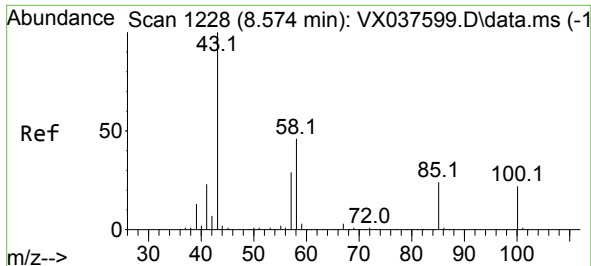
Tgt Ion:130 Resp: 3969
Ion Ratio Lower Upper
130 100
95 94.5 0.0 204.4



#50
Toluene-d8
Concen: 45.502 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Tgt Ion: 98 Resp: 463052
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 4.812 ug/l

RT: 8.579 min Scan# 11

Delta R.T. 0.005 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

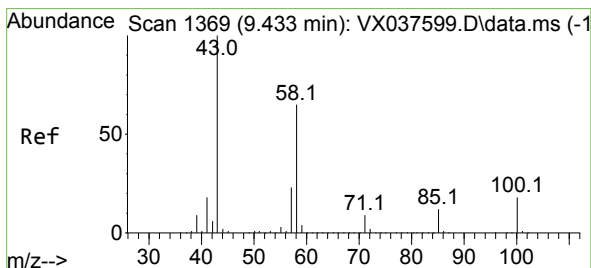
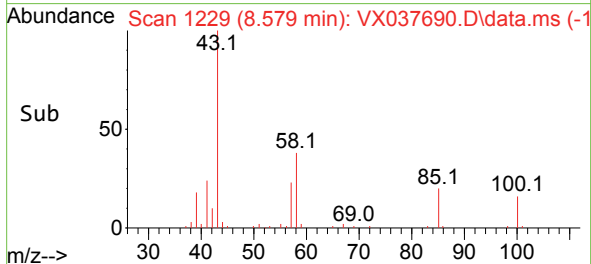
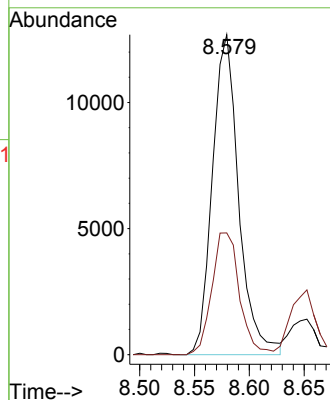
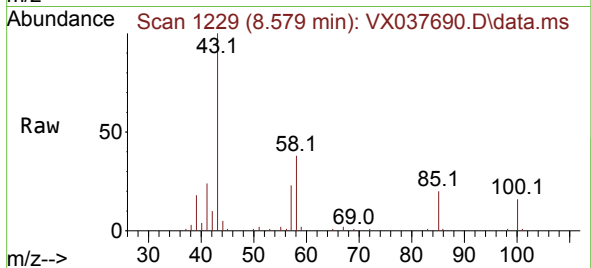
ClientSampleId :

Tgt Ion: 43 Resp: 21172

Ion Ratio Lower Upper

43 100

58 40.1 30.4 45.6



#59

2-Hexanone

Concen: 0.386 ug/l

RT: 9.451 min Scan# 1372

Delta R.T. 0.018 min

Lab File: VX037690.D

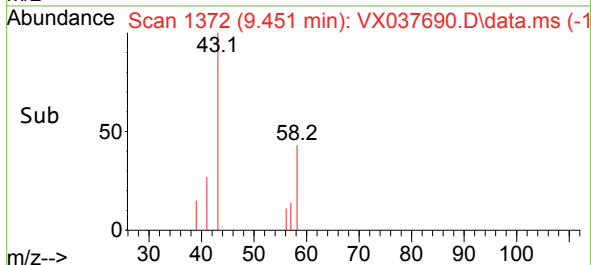
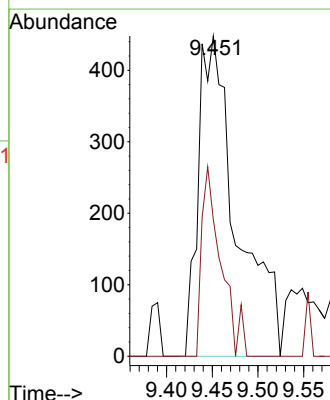
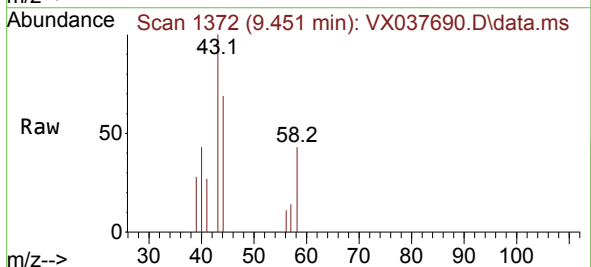
Acq: 13 Sep 2023 13:16

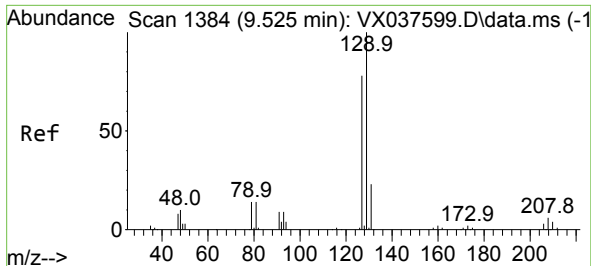
Tgt Ion: 43 Resp: 1311

Ion Ratio Lower Upper

43 100

58 29.7 26.2 78.5

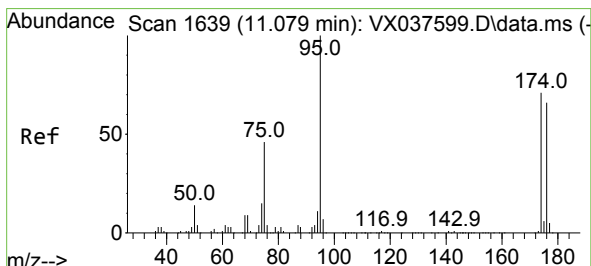
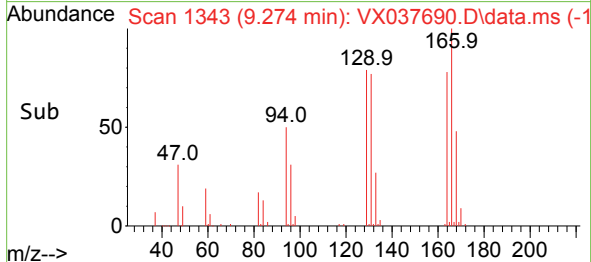
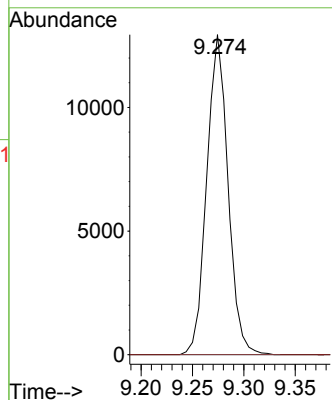
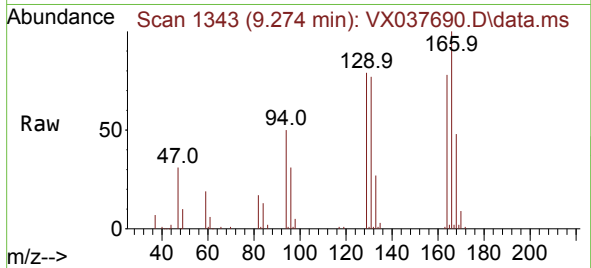




#60
Dibromochloromethane
Concen: 6.304 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

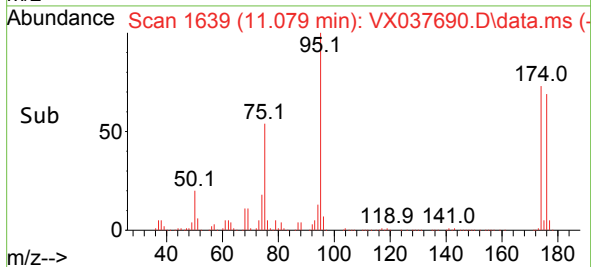
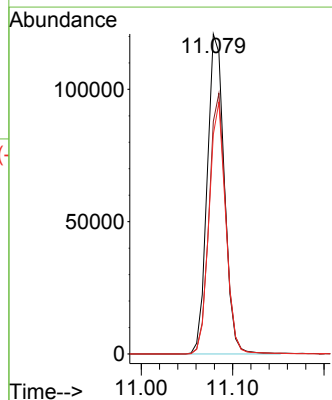
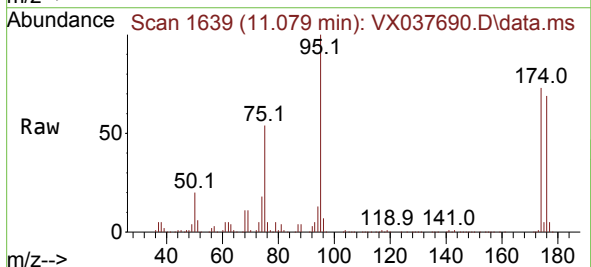
Instrument :
MSVOA_X
ClientSampleId :

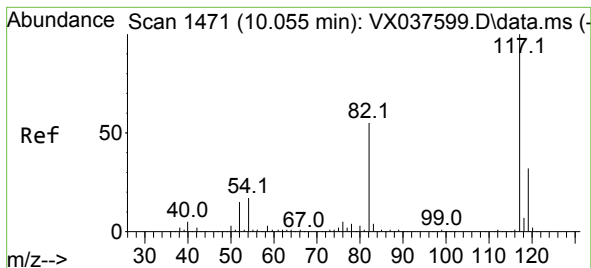
Tgt Ion:129 Resp: 18656
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 42.947 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.001 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Tgt Ion: 95 Resp: 157675
Ion Ratio Lower Upper
95 100
174 79.4 0.0 135.6
176 76.5 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

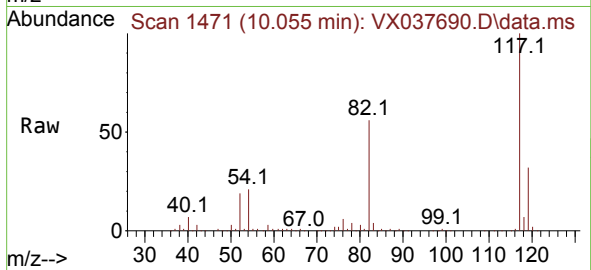
Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :



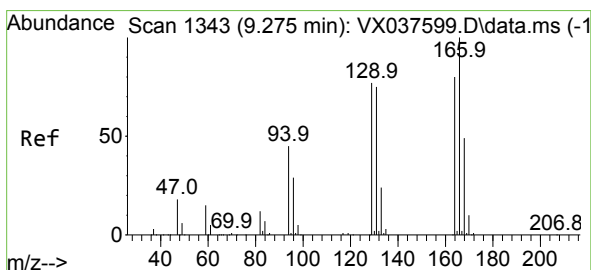
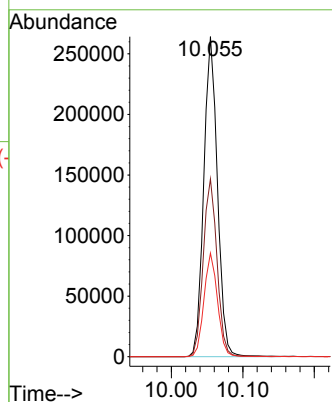
Tgt Ion:117 Resp: 350792

Ion Ratio Lower Upper

117 100

82 55.5 46.2 69.4

119 32.3 25.5 38.3



#64

Tetrachloroethene

Concen: 8.072 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.001 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Tgt Ion:164 Resp: 18346

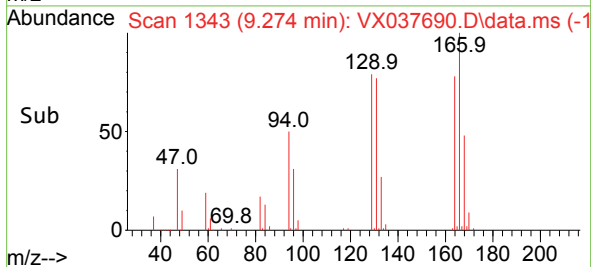
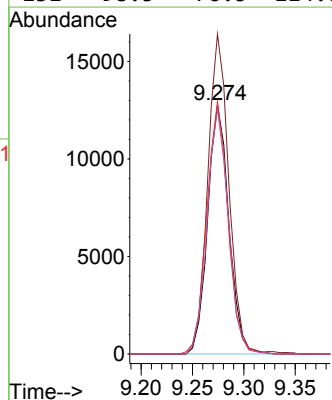
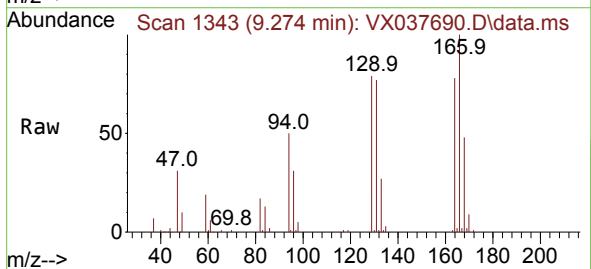
Ion Ratio Lower Upper

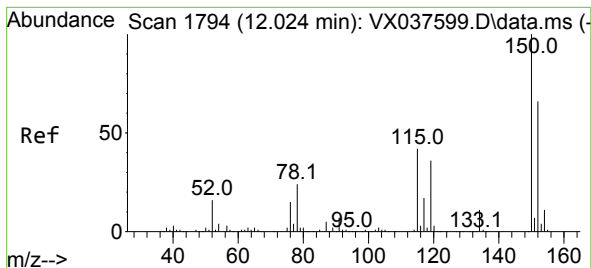
164 100

166 128.6 102.7 154.1

129 101.5 80.4 120.6

131 98.5 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.001 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

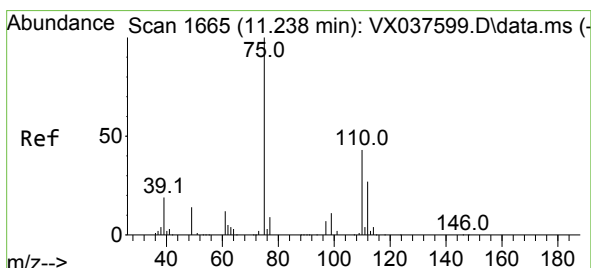
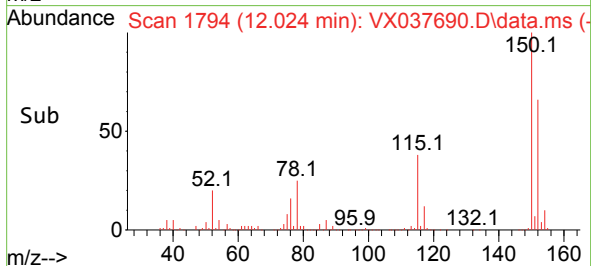
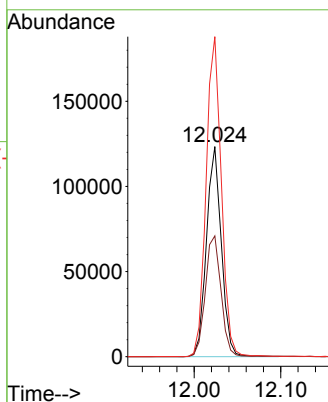
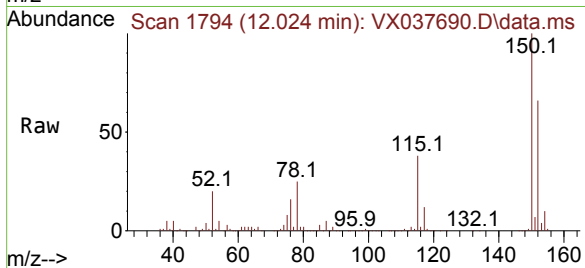
Tgt Ion:152 Resp: 147548

Ion Ratio Lower Upper

152 100

115 60.7 43.3 129.9

150 155.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.968 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037690.D

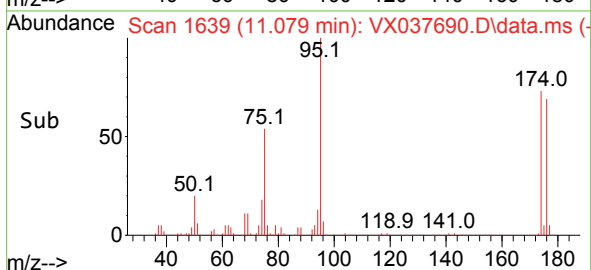
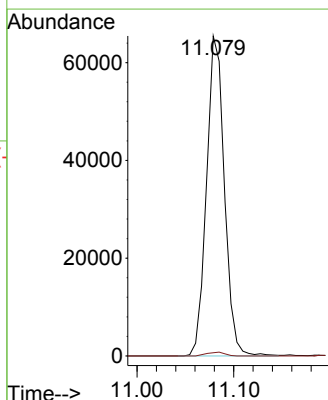
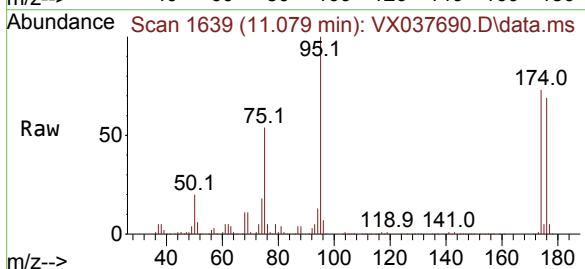
Acq: 13 Sep 2023 13:16

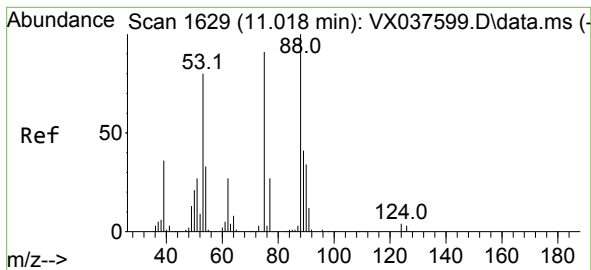
Tgt Ion: 75 Resp: 84235

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

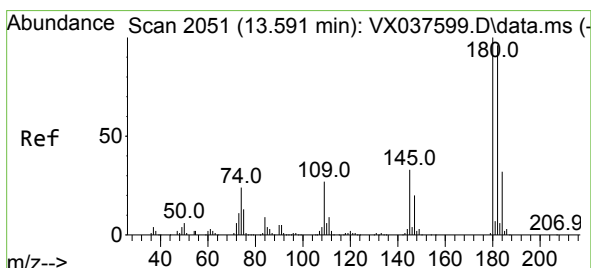
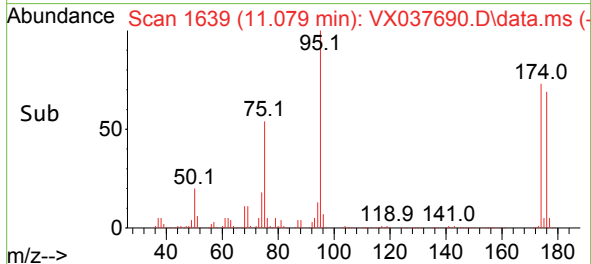
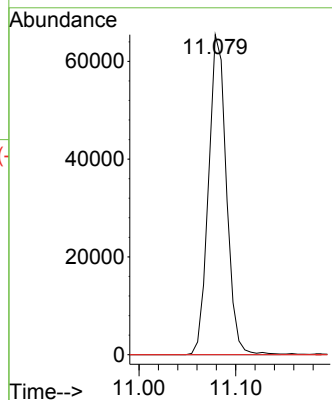
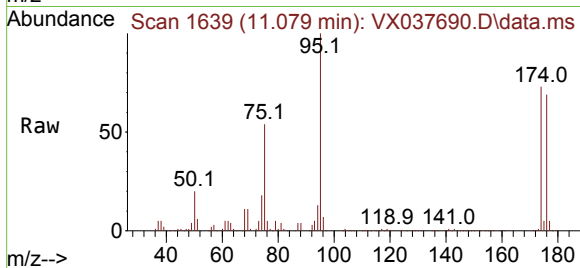




#81
trans-1,4-Dichloro-2-butene
Concen: 78.936 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

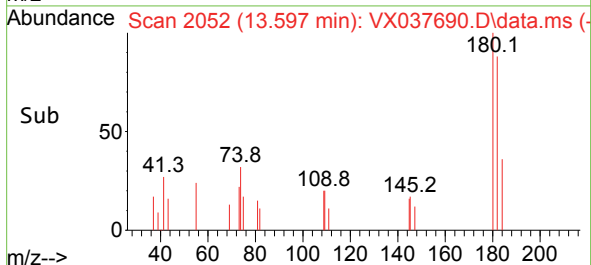
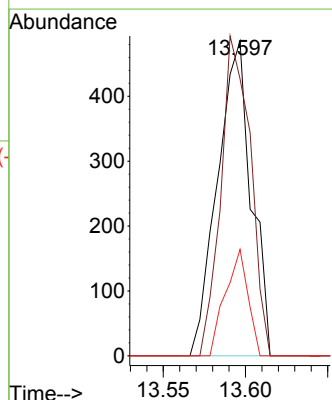
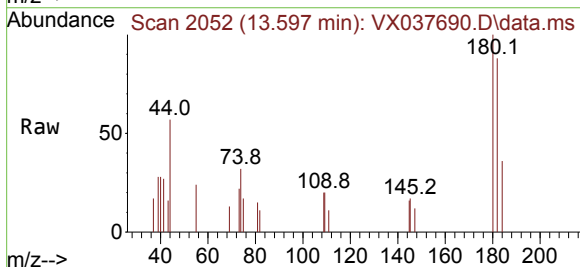
Instrument :
MSVOA_X
ClientSampleId :

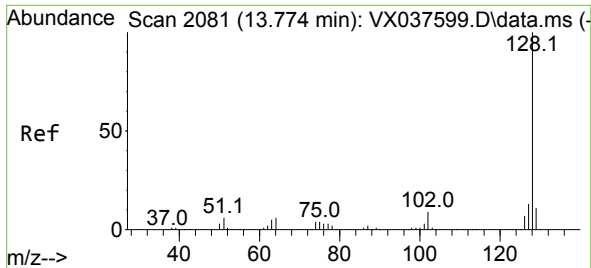
Tgt Ion: 75 Resp: 84235
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.231 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

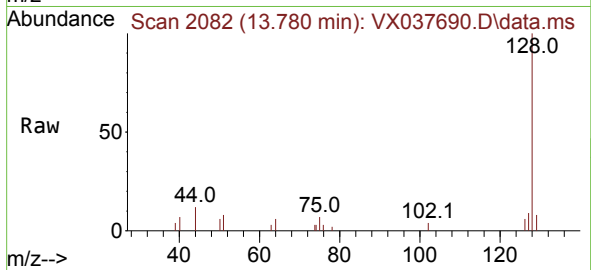
Tgt Ion:180 Resp: 693
Ion Ratio Lower Upper
180 100
182 88.7 48.3 144.8
145 22.7 18.0 54.0





#95
Naphthalene
Concen: 0.298 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 3234
Ion Ratio Lower Upper
128 100
127 9.0 10.3 15.5#
129 8.6 8.8 13.2#

