

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082123\
 Data File : VX037132.D
 Acq On : 21 Aug 2023 15:44
 Operator : JC/MD
 Sample : 04086-04
 Misc : 5.01g/5.0mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 22 05:57:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

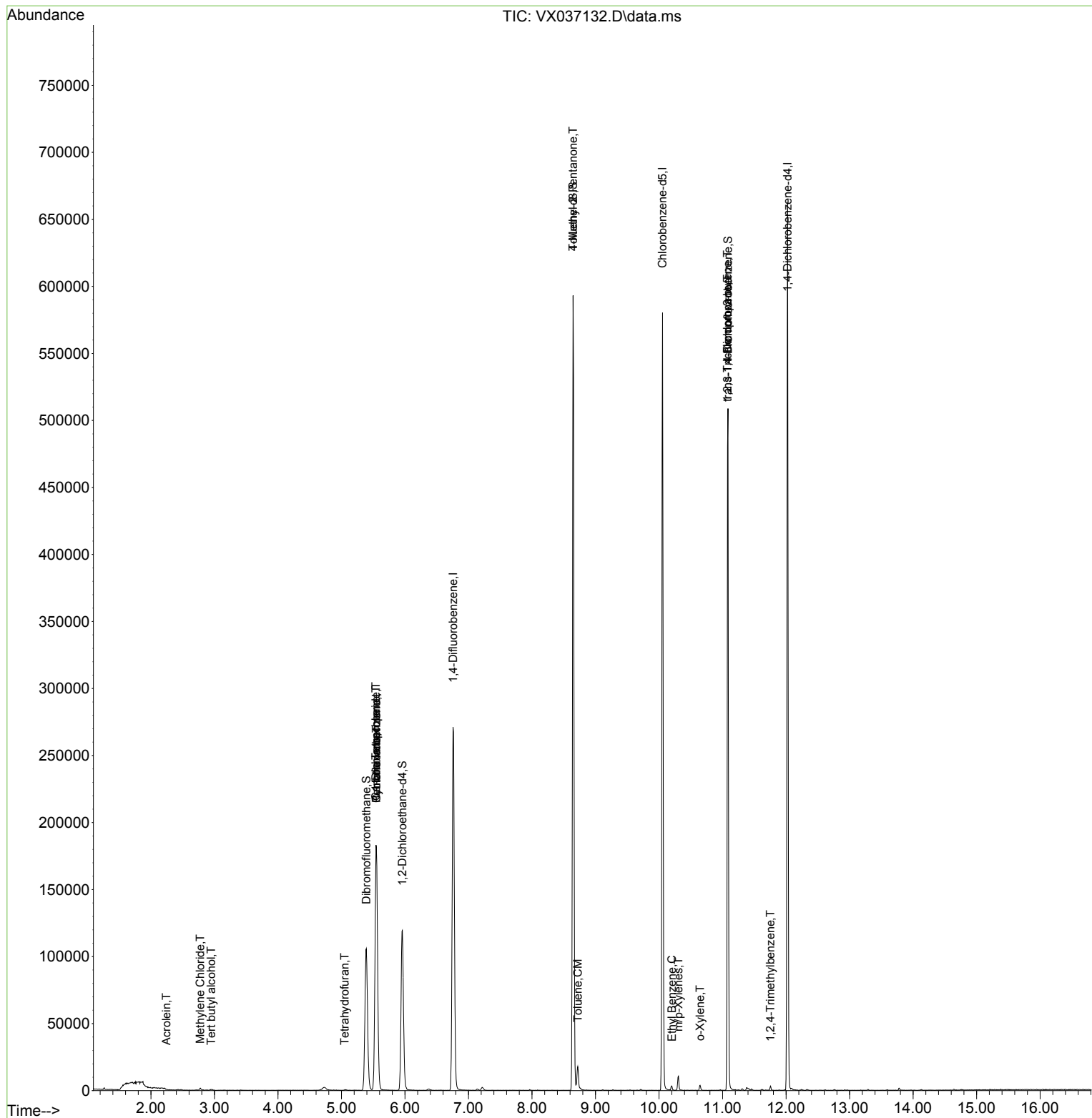
Internal Standards						
1) Pentafluorobenzene	5.550	168	170685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	287521	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	120727	49.061	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.120%		
35) Dibromofluoromethane	5.391	113	93169	48.929	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.860%		
50) Toluene-d8	8.647	98	355988	51.539	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.080%		
62) 4-Bromofluorobenzene	11.085	95	142170	52.376	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.760%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	436	0.755	ug/l #	78
13) Acrolein	2.239	56	88	0.200	ug/l #	53
20) Methylene Chloride	2.776	84	779	0.362	ug/l #	91
29) Tetrahydrofuran	5.050	42	381	0.412	ug/l #	52
31) Cyclohexane	5.550	56	3579	1.294	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	14082	5.205	ug/l #	50
38) Carbon Tetrachloride	5.544	117	18324	6.235	ug/l #	14
51) 4-Methyl-2-Pentanone	8.647	43	1445	0.542	ug/l #	1
52) Toluene	8.720	92	7066	1.378	ug/l	99
67) Ethyl Benzene	10.201	91	2306	0.237	ug/l	100
68) m/p-Xylenes	10.305	106	2780	0.739	ug/l	98
69) o-Xylene	10.646	106	924	0.249	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	72837	25.207	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	72837	70.406	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1723	0.207	ug/l	98

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

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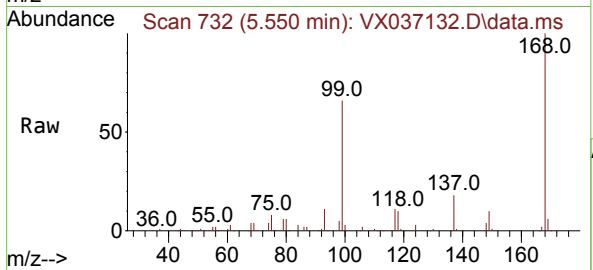
Quant Time: Aug 22 05:57:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



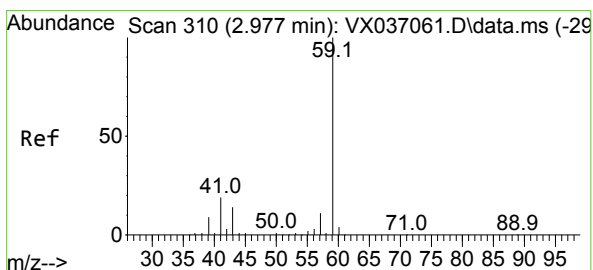
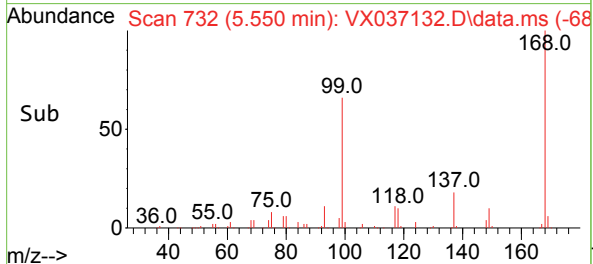
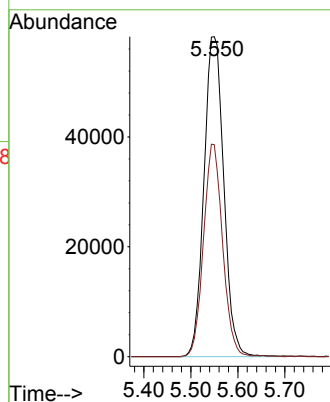


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037132.D
Acq: 21 Aug 2023 15:44

Instrument :
MSVOA_X
ClientSampleId :

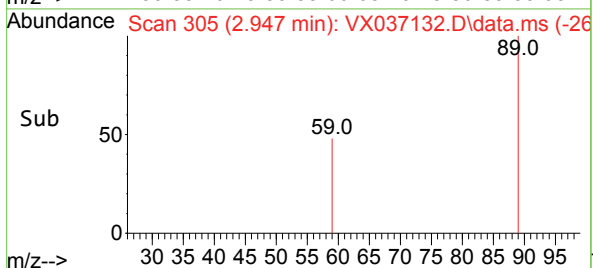
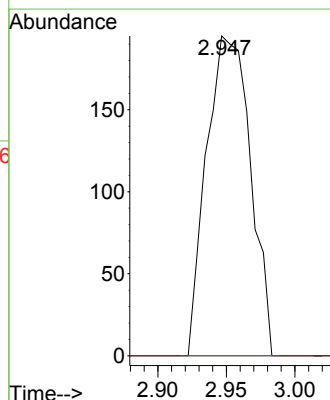
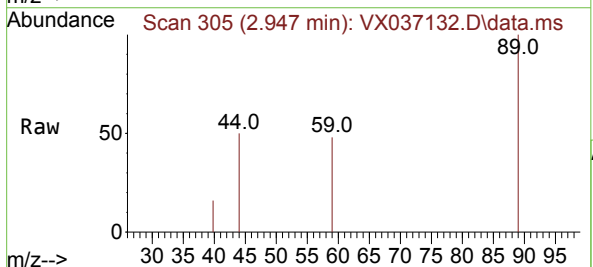


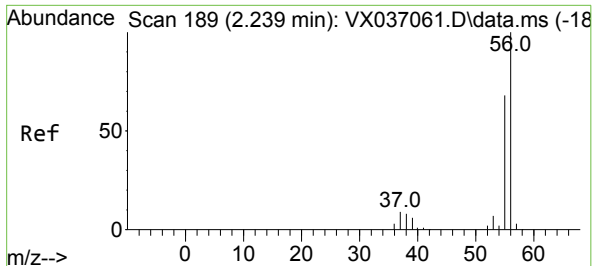
Tgt Ion:168 Resp: 170685
Ion Ratio Lower Upper
168 100
99 66.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.755 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX037132.D
Acq: 21 Aug 2023 15:44

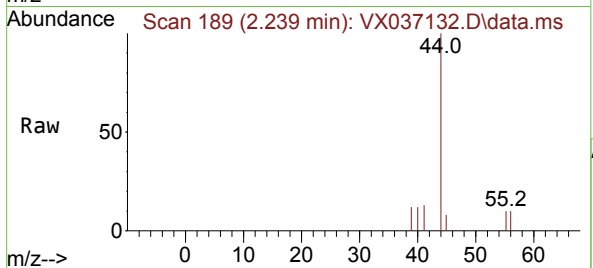
Tgt Ion: 59 Resp: 436
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



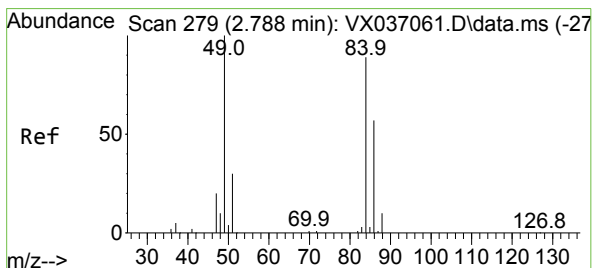
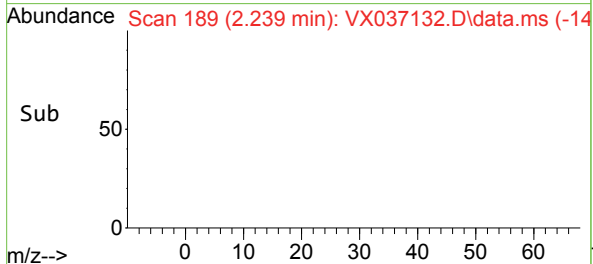
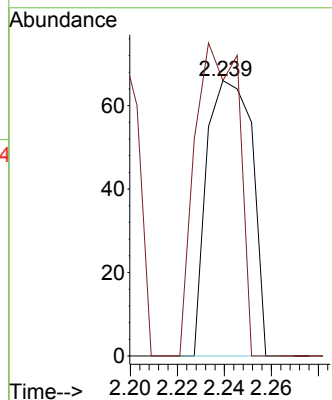


#13
Acrolein
Concen: 0.200 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037132.D
Acq: 21 Aug 2023 15:44

Instrument :
MSVOA_X
ClientSampleId :

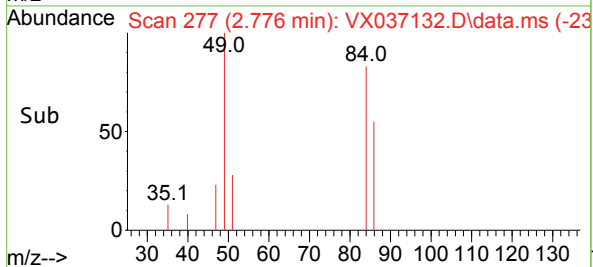
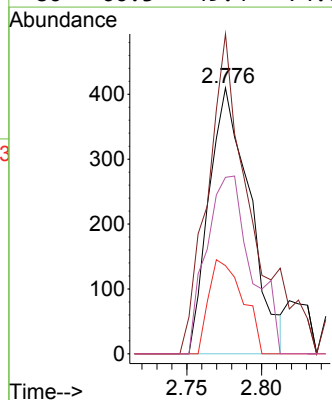
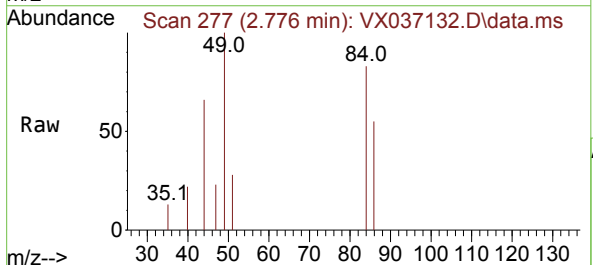


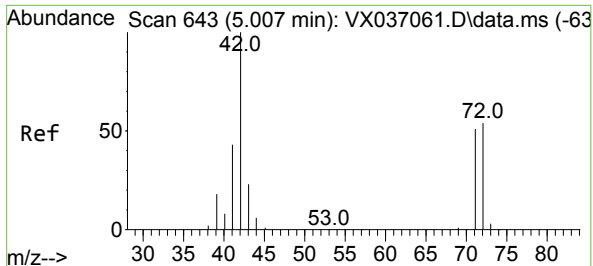
Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 110.2 57.1 85.7#



#20
Methylene Chloride
Concen: 0.362 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX037132.D
Acq: 21 Aug 2023 15:44

Tgt Ion: 84 Resp: 779
Ion Ratio Lower Upper
84 100
49 120.2 103.6 155.4
51 33.2 33.8 50.6#
86 66.3 49.4 74.0





#29

Tetrahydrofuran

Concen: 0.412 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX037132.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_X

ClientSampleId :

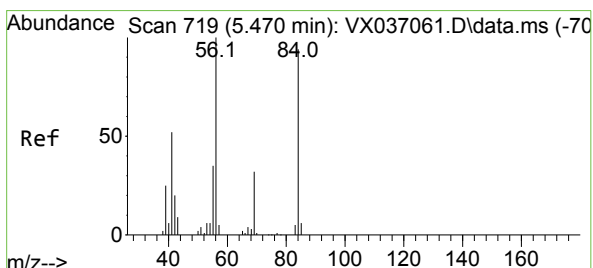
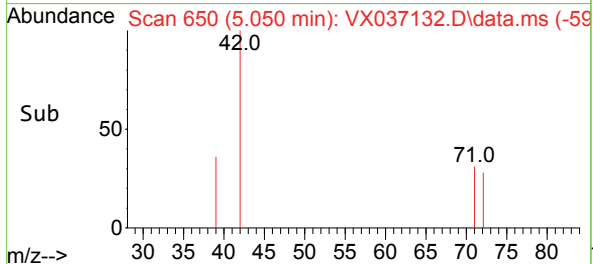
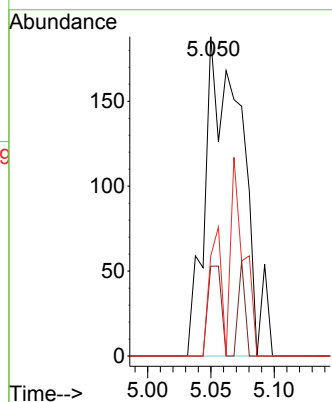
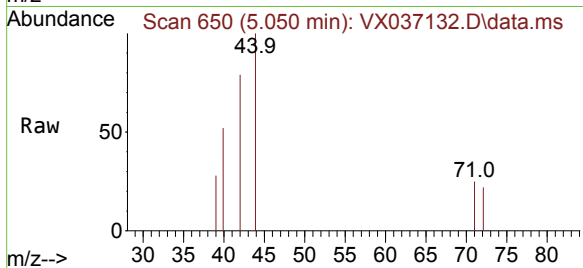
Tgt Ion: 42 Resp: 381

Ion Ratio Lower Upper

42 100

72 10.2 34.2 51.4#

71 12.9 32.2 48.2#



#31

Cyclohexane

Concen: 1.294 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037132.D

Acq: 21 Aug 2023 15:44

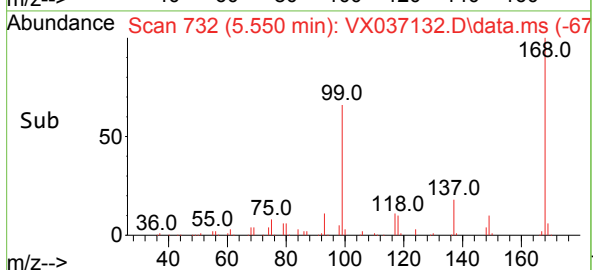
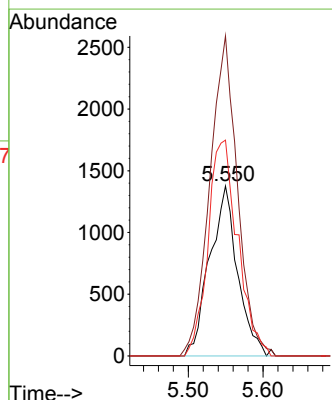
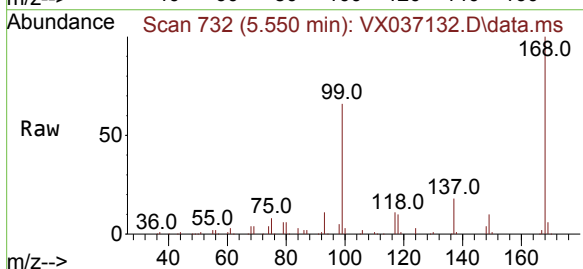
Tgt Ion: 56 Resp: 3579

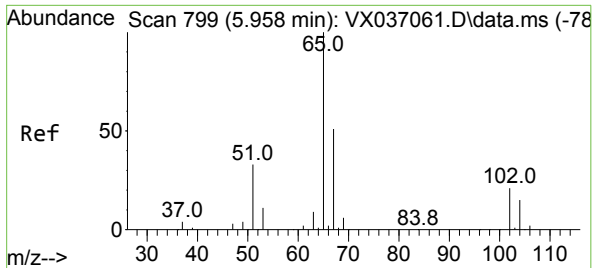
Ion Ratio Lower Upper

56 100

69 188.4 23.4 35.2#

84 127.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.061 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037132.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_X

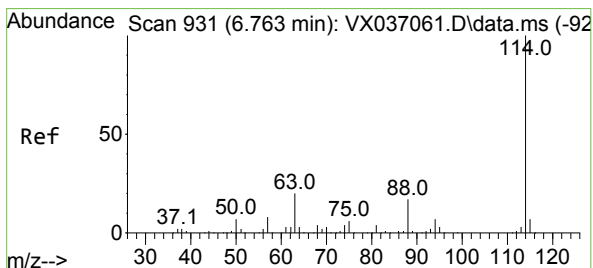
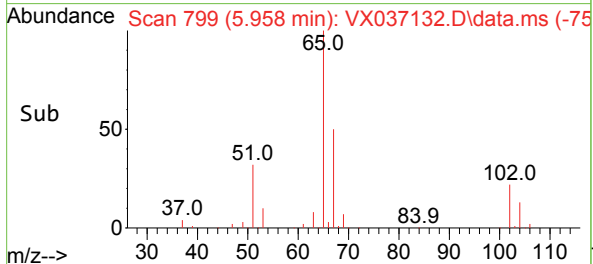
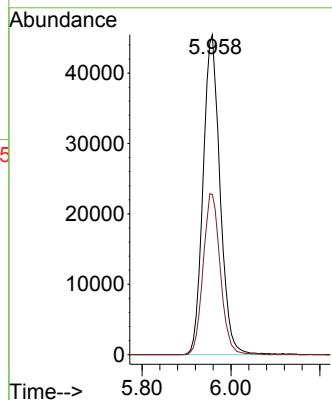
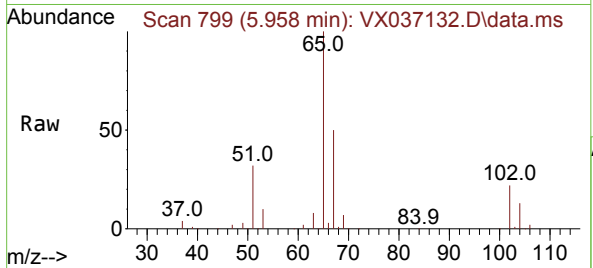
ClientSampleId :

Tgt Ion: 65 Resp: 120727

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037132.D

Acq: 21 Aug 2023 15:44

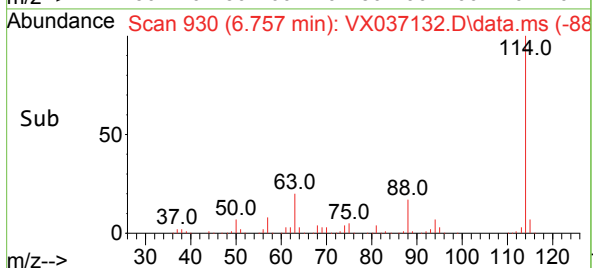
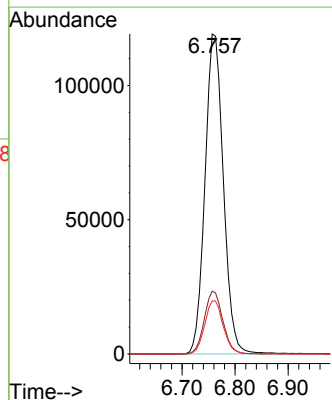
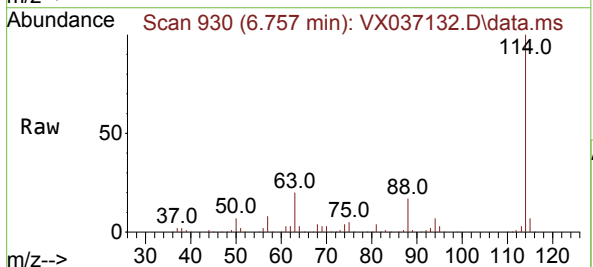
Tgt Ion: 114 Resp: 287521

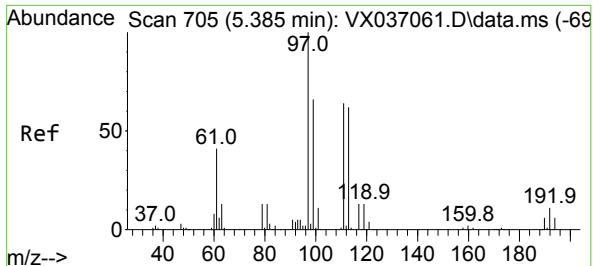
Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

88 16.5 0.0 36.6

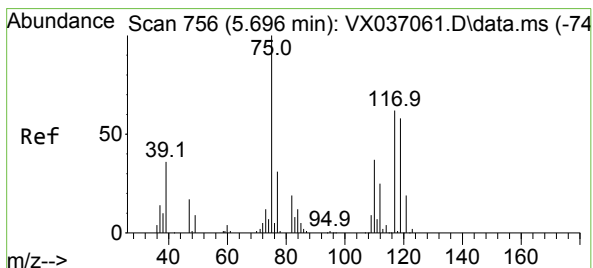
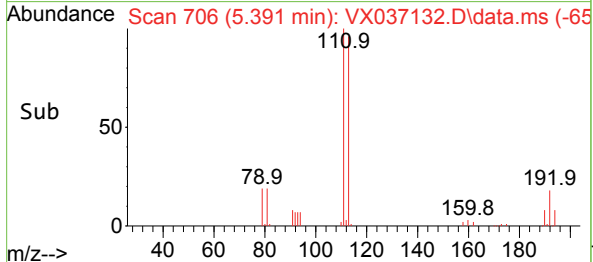
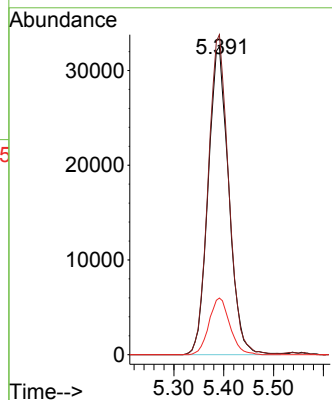
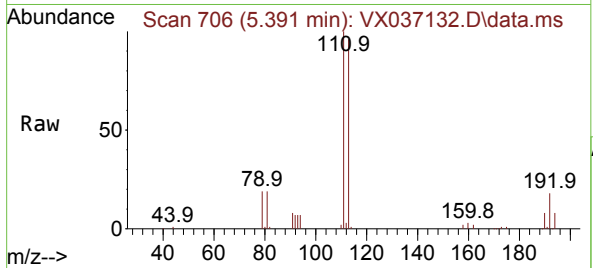




#35
Dibromofluoromethane
Concen: 48.929 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037132.D
Acq: 21 Aug 2023 15:44

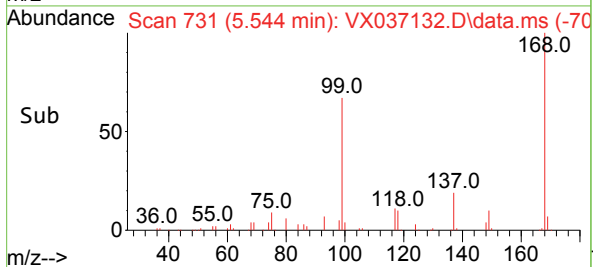
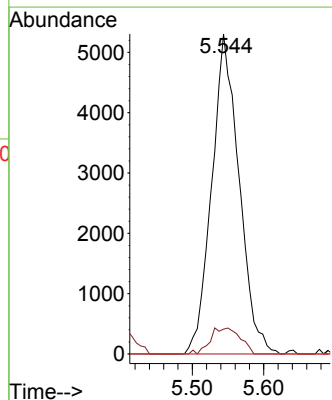
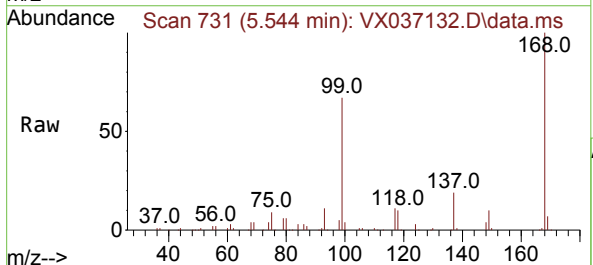
Instrument :
MSVOA_X
ClientSampleId :

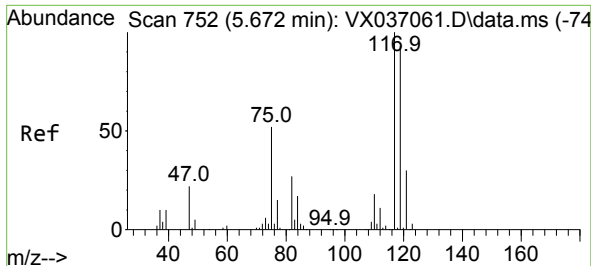
Tgt Ion:113 Resp: 93169
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.205 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX037132.D
Acq: 21 Aug 2023 15:44

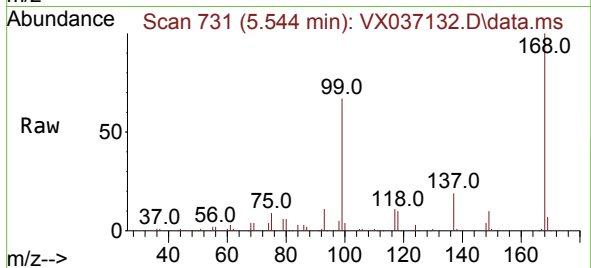
Tgt Ion: 75 Resp: 14082
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



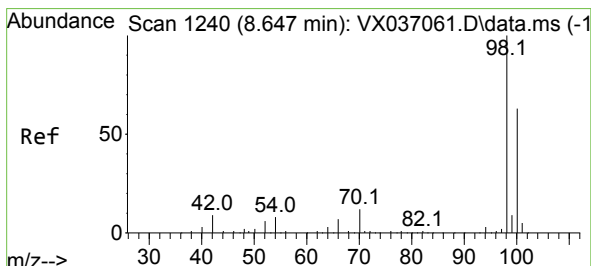
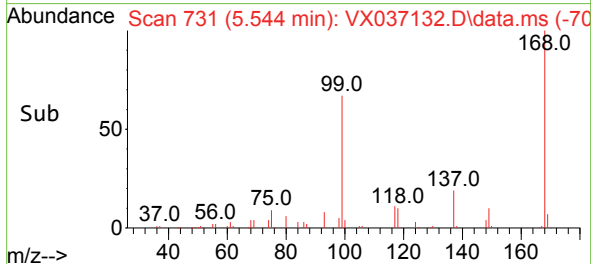
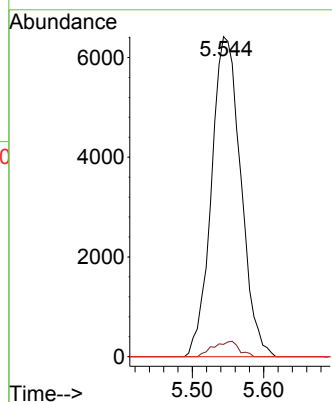


#38
Carbon Tetrachloride
Concen: 6.235 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037132.D
Acq: 21 Aug 2023 15:44

Instrument :
MSVOA_X
ClientSampleId :

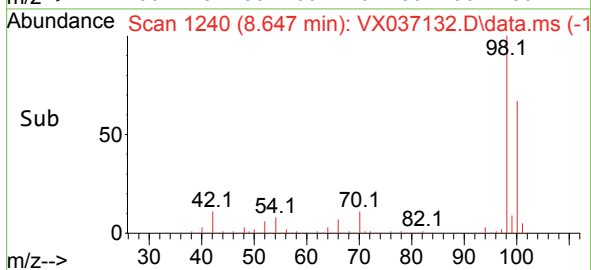
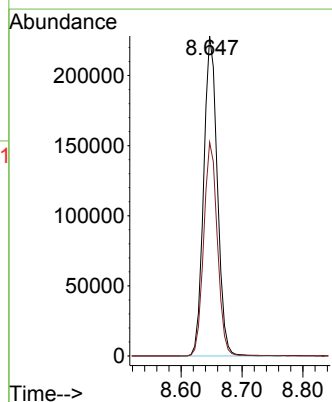
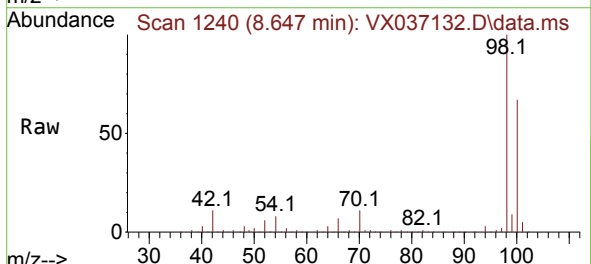


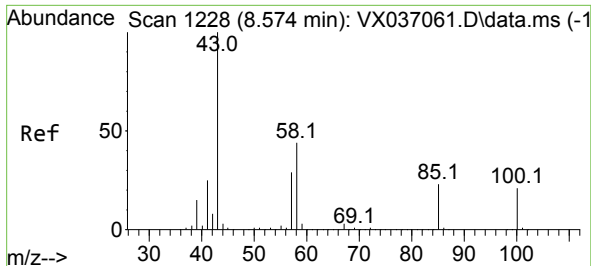
Tgt Ion:117 Resp: 18324
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 51.539 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037132.D
Acq: 21 Aug 2023 15:44

Tgt Ion: 98 Resp: 355988
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.542 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX037132.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_X

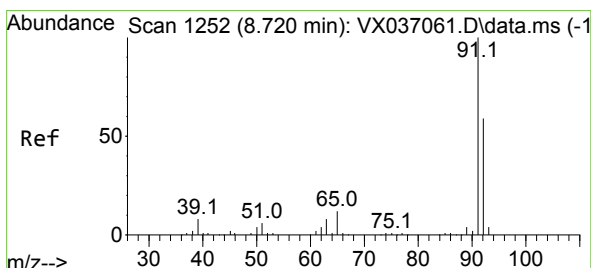
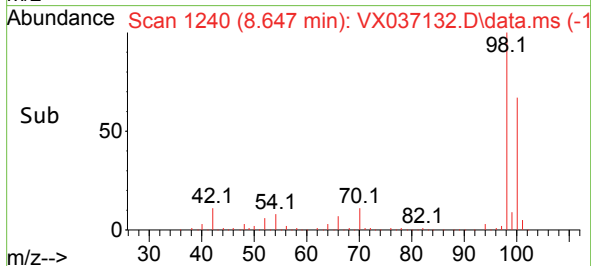
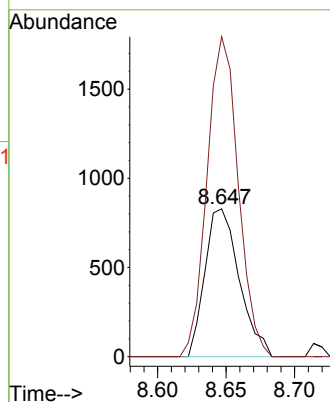
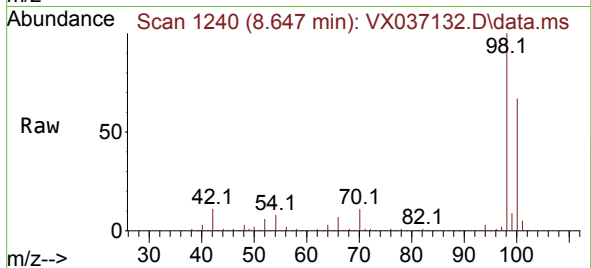
ClientSampleId :

Tgt Ion: 43 Resp: 1445

Ion Ratio Lower Upper

43 100

58 196.9 30.4 45.6#



#52

Toluene

Concen: 1.378 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX037132.D

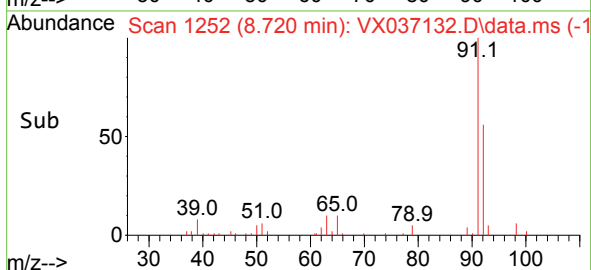
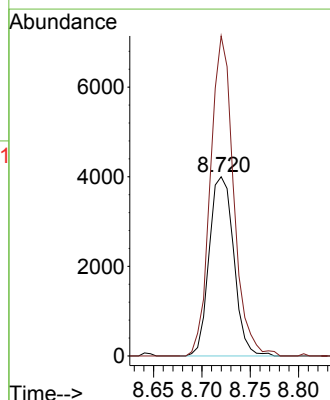
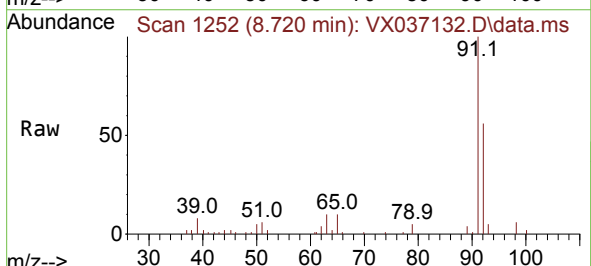
Acq: 21 Aug 2023 15:44

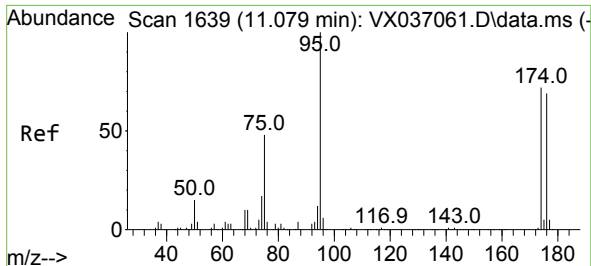
Tgt Ion: 92 Resp: 7066

Ion Ratio Lower Upper

92 100

91 169.3 134.2 201.2

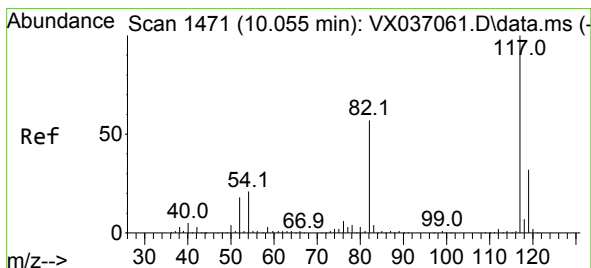
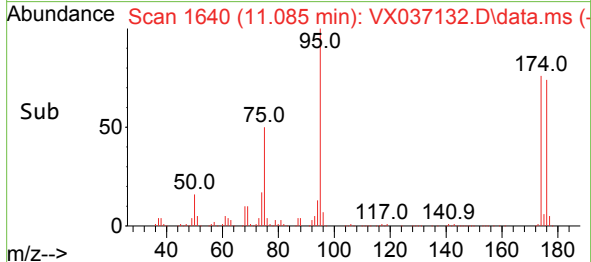
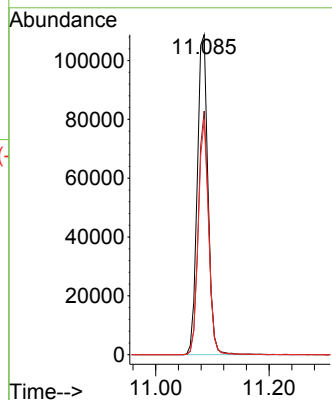
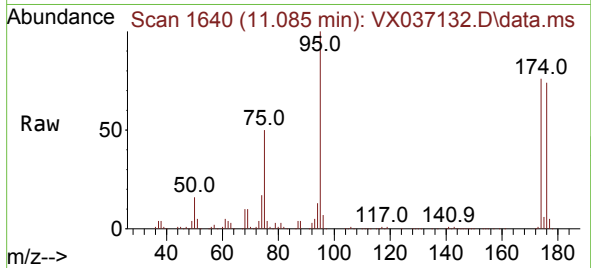




#62
4-Bromofluorobenzene
Concen: 52.376 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX037132.D
Acq: 21 Aug 2023 15:44

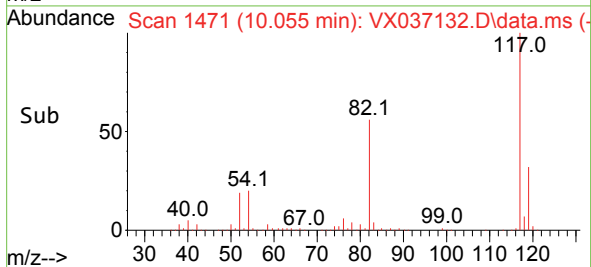
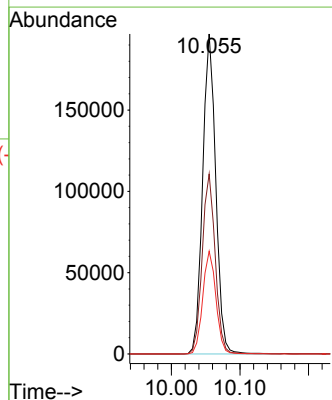
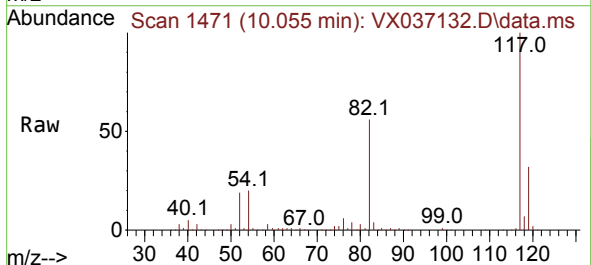
Instrument :
MSVOA_X
ClientSampleId :

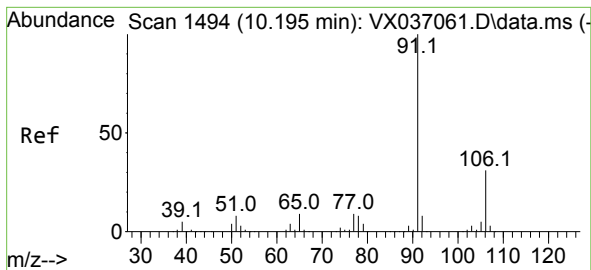
Tgt Ion: 95 Resp: 142170
Ion Ratio Lower Upper
95 100
174 73.3 0.0 135.6
176 70.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037132.D
Acq: 21 Aug 2023 15:44

Tgt Ion: 117 Resp: 261989
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.1 25.5 38.3





#67

Ethyl Benzene

Concen: 0.237 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX037132.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_X

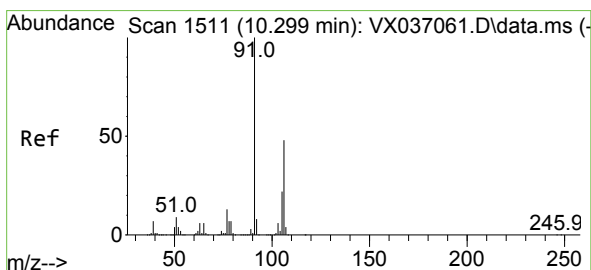
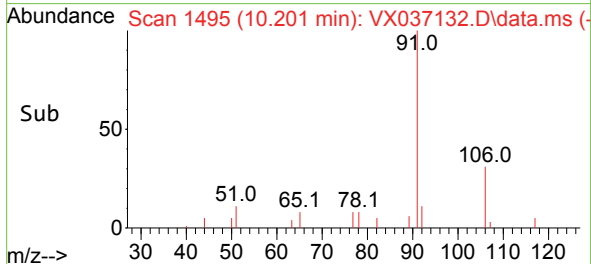
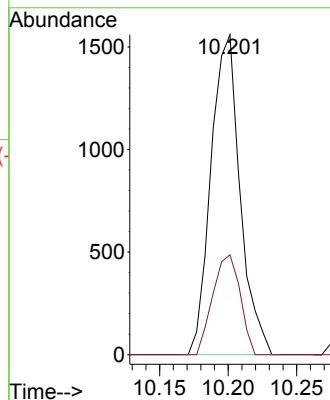
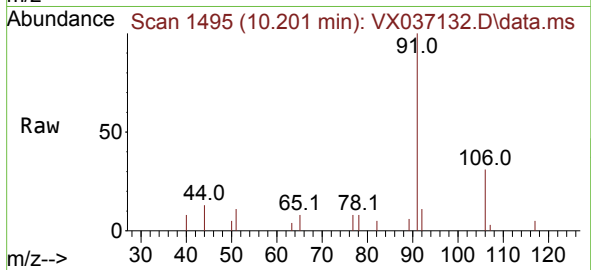
ClientSampleId :

Tgt Ion: 91 Resp: 2306

Ion Ratio Lower Upper

91 100

106 31.2 24.9 37.3



#68

m/p-Xylenes

Concen: 0.739 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX037132.D

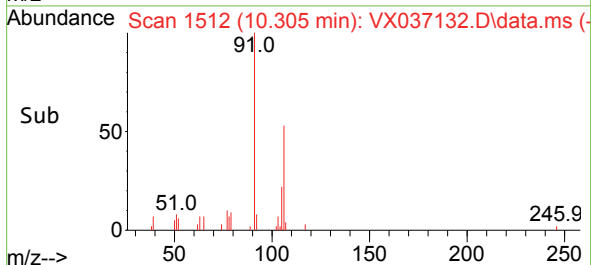
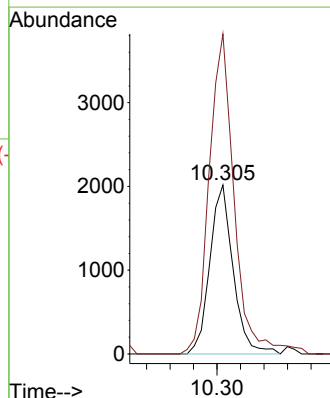
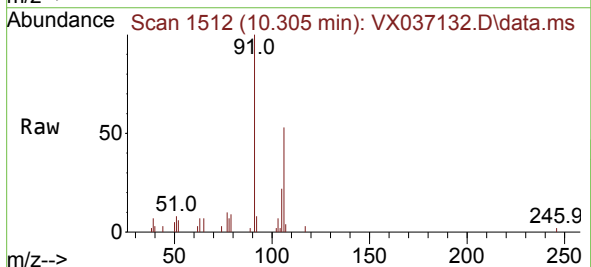
Acq: 21 Aug 2023 15:44

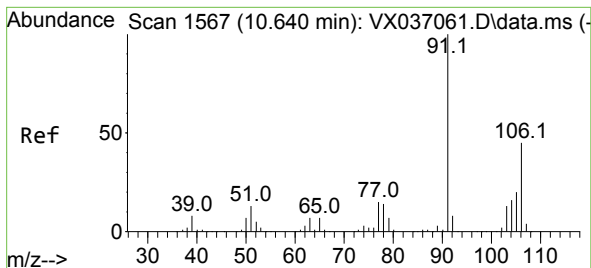
Tgt Ion: 106 Resp: 2780

Ion Ratio Lower Upper

106 100

91 203.7 165.5 248.3





#69

o-Xylene

Concen: 0.249 ug/l

RT: 10.646 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VX037132.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_X

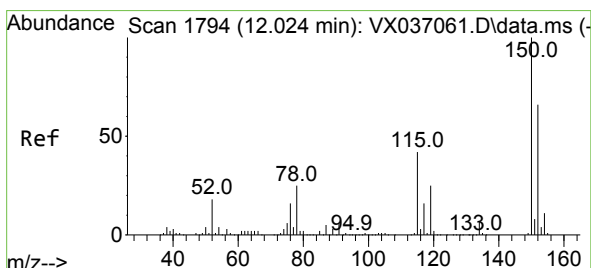
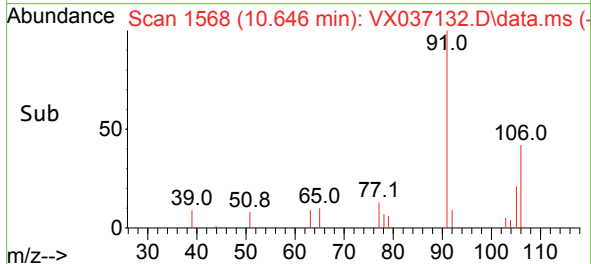
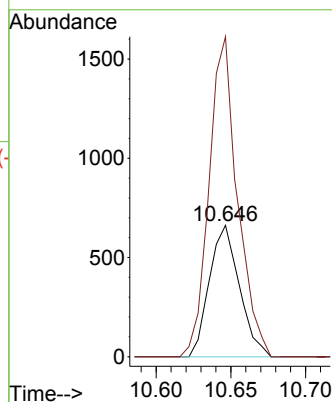
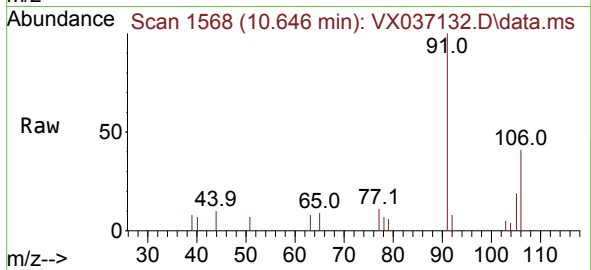
ClientSampleId :

Tgt Ion:106 Resp: 924

Ion Ratio Lower Upper

106 100

91 231.0 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX037132.D

Acq: 21 Aug 2023 15:44

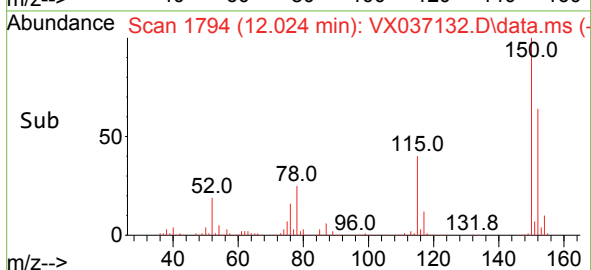
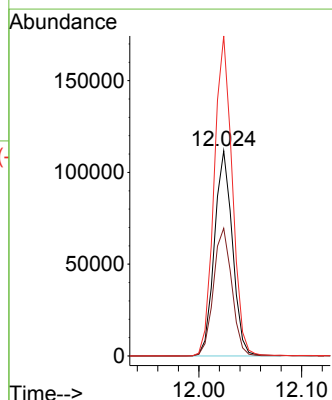
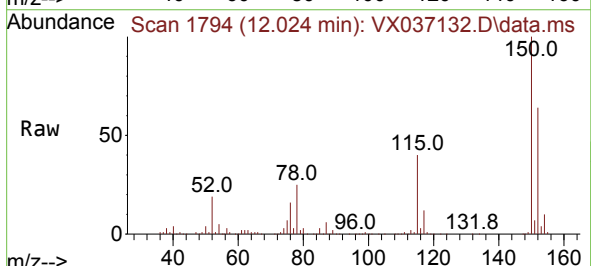
Tgt Ion:152 Resp: 135678

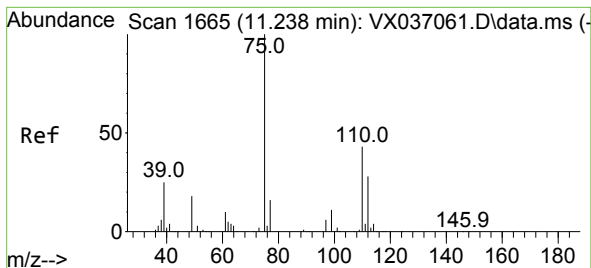
Ion Ratio Lower Upper

152 100

115 63.4 43.3 129.9

150 156.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.207 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037132.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_X

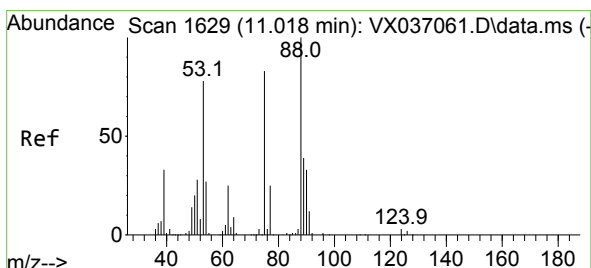
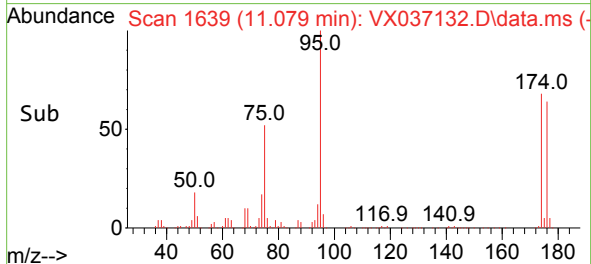
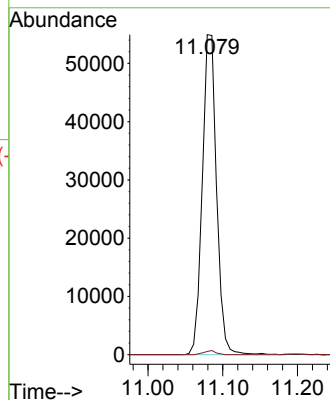
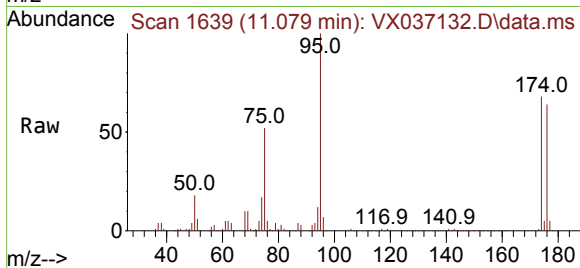
ClientSampleId :

Tgt Ion: 75 Resp: 72837

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.406 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037132.D

Acq: 21 Aug 2023 15:44

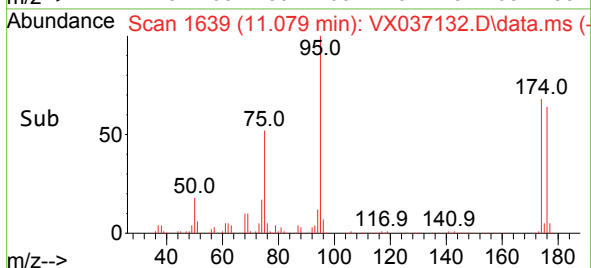
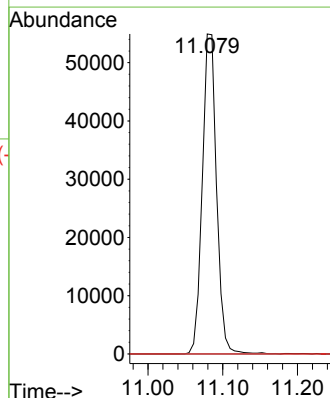
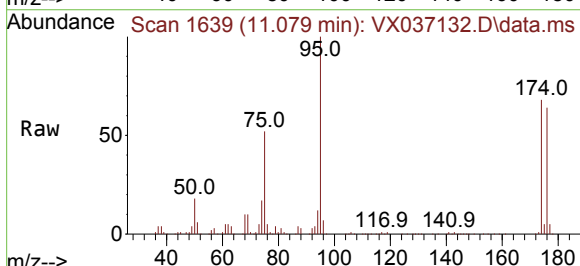
Tgt Ion: 75 Resp: 72837

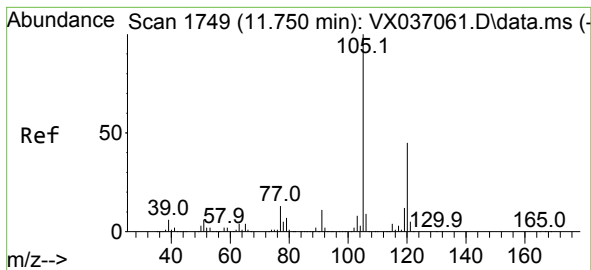
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

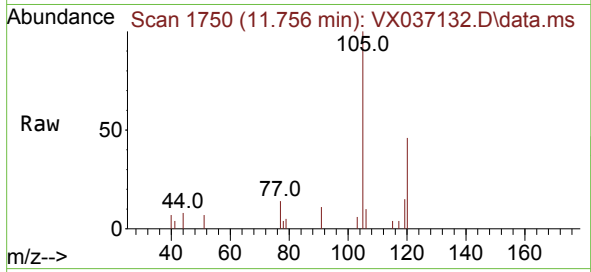
89 0.0 36.9 55.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.207 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX037132.D
 Acq: 21 Aug 2023 15:44

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:105 Resp: 1723
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.2 63.6

