

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040231.D
 Acq On : 14 Feb 2024 19:22
 Operator : JC/MD
 Sample : P1372-05DL 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 15 00:07:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

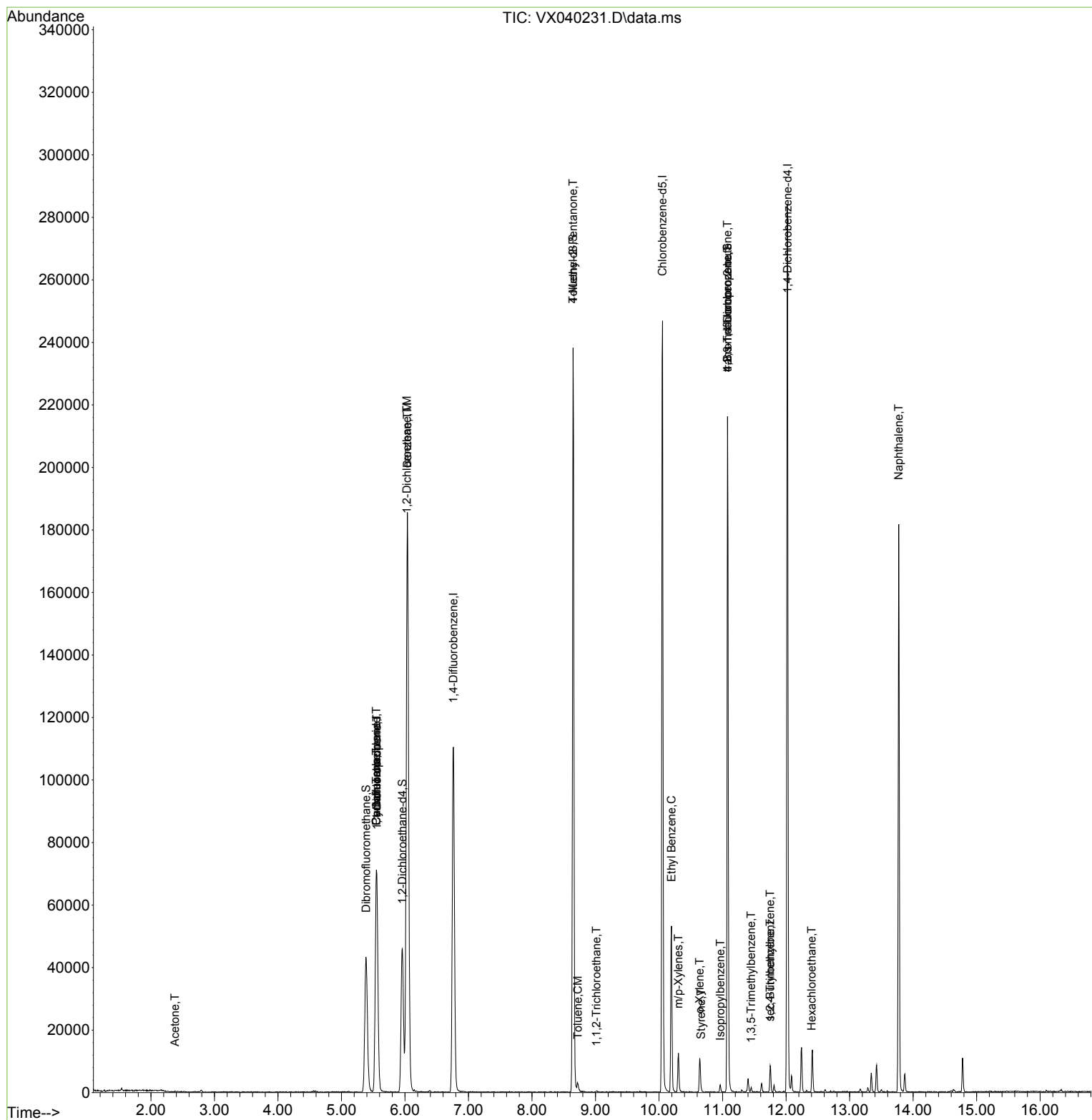
Internal Standards						
1) Pentafluorobenzene	5.550	168	69527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	116407	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	44818	43.329	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.660%		
35) Dibromofluoromethane	5.385	113	37735	46.419	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.840%		
50) Toluene-d8	8.647	98	140413	46.175	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.340%		
62) 4-Bromofluorobenzene	11.079	95	56084	45.222	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.440%		
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	179	0.421	ug/l #	47
20) Methylene Chloride	2.788	84	297	Below Cal		96
31) Cyclohexane	5.550	56	1408	1.141	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	5461	4.796	ug/l #	51
38) Carbon Tetrachloride	5.550	117	6989	6.455	ug/l #	14
40) Benzene	6.037	78	222394	69.836	ug/l	99
42) 1,2-Dichloroethane	6.031	62	1912	1.536	ug/l #	77
51) 4-Methyl-2-Pentanone	8.647	43	665	0.492	ug/l #	1
52) Toluene	8.720	92	1103	0.529	ug/l	92
55) 1,1,2-Trichloroethane	9.013	97	178	0.200	ug/l #	17
67) Ethyl Benzene	10.195	91	32008	7.745	ug/l	99
68) m/p-Xylenes	10.305	106	2805	1.797	ug/l	88
69) o-Xylene	10.640	106	2599	1.713	ug/l	96
70) Styrene	10.659	104	638	0.253	ug/l #	84
73) Isopropylbenzene	10.963	105	1330	0.315	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	29078	23.969	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	840	0.236	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	29078	66.078	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	3736	1.040	ug/l	92
85) sec-Butylbenzene	11.750	105	3736	0.835	ug/l #	57
90) Hexachloroethane	12.402	117	602	1.040	ug/l #	17
95) Naphthalene	13.774	128	108538	26.259	ug/l	100

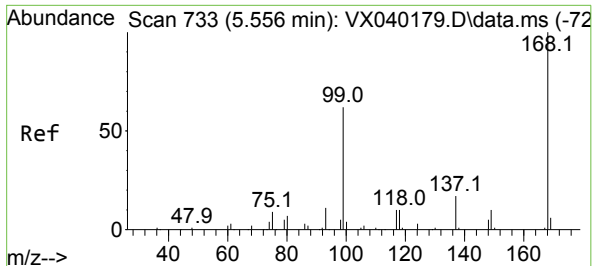
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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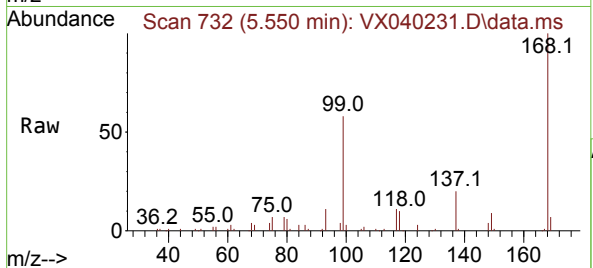


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

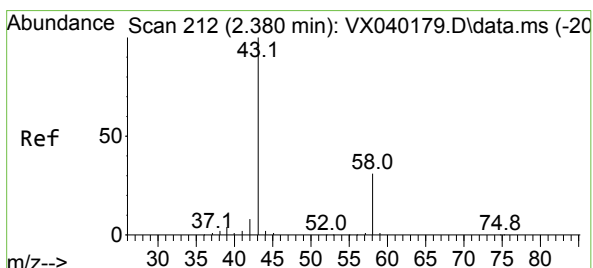
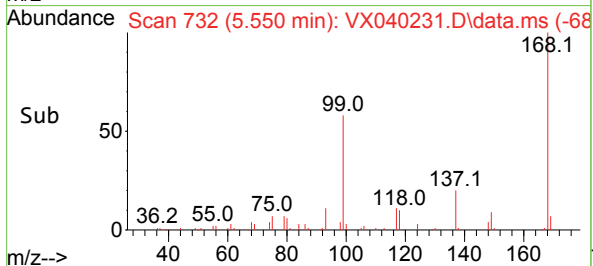
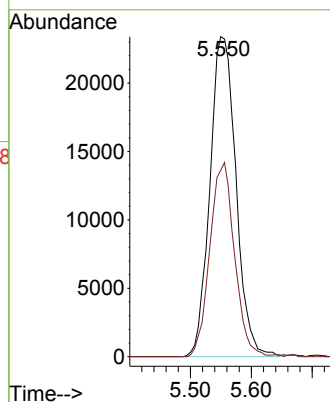
Instrument :

MSVOA_X

ClientSampleId :

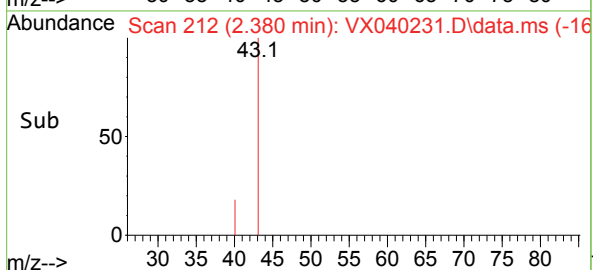
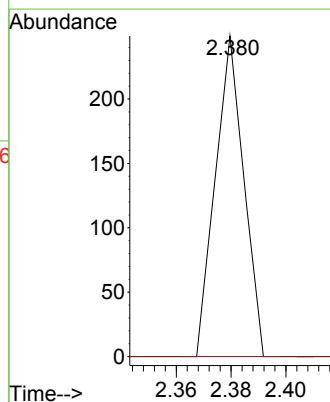
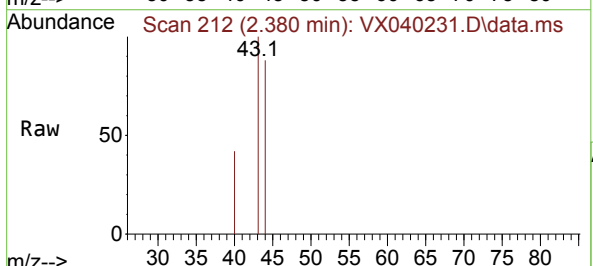


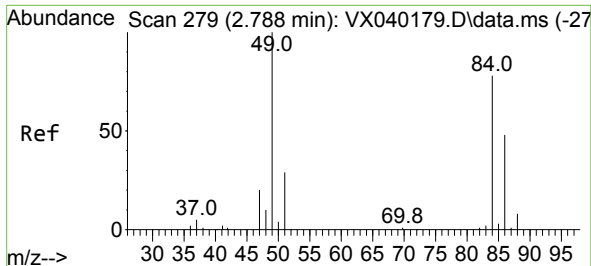
Tgt Ion:168 Resp: 69527
Ion Ratio Lower Upper
168 100
99 58.2 56.6 85.0



#16
Acetone
Concen: 0.421 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

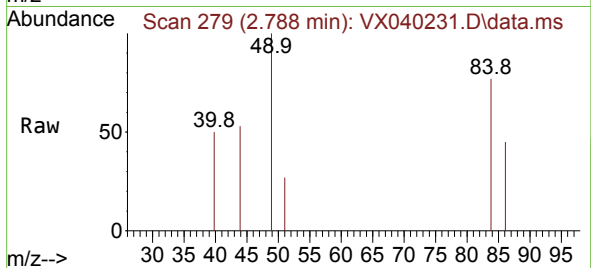
Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 297

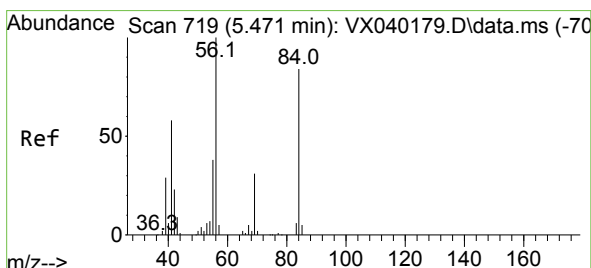
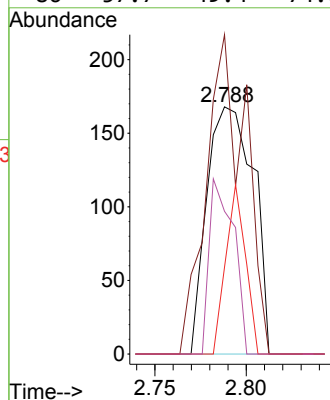
Ion Ratio Lower Upper

84 100

49 129.2 103.6 155.4

51 35.1 33.8 50.6

86 57.7 49.4 74.0



#31

Cyclohexane

Concen: 1.141 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

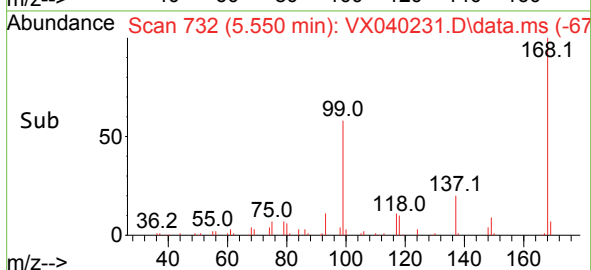
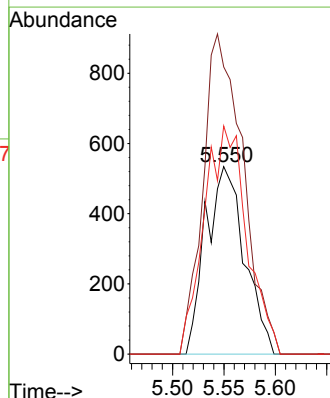
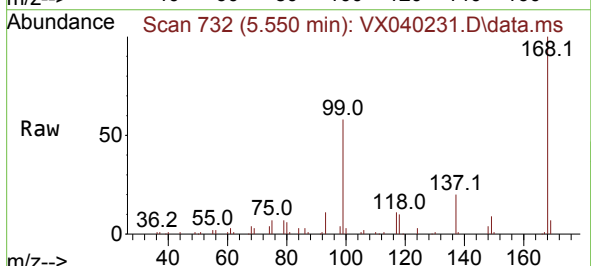
Tgt Ion: 56 Resp: 1408

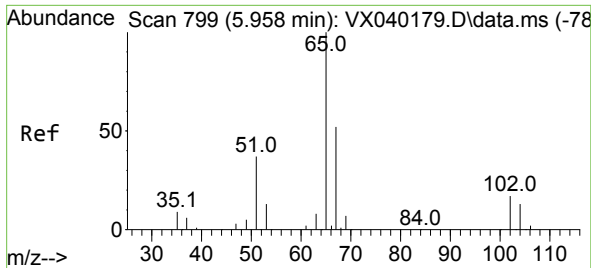
Ion Ratio Lower Upper

56 100

69 153.2 23.4 35.2#

84 121.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.329 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

Instrument :

MSVOA_X

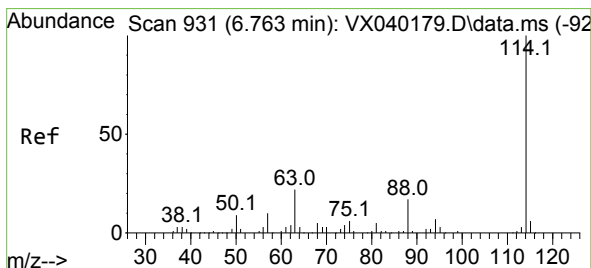
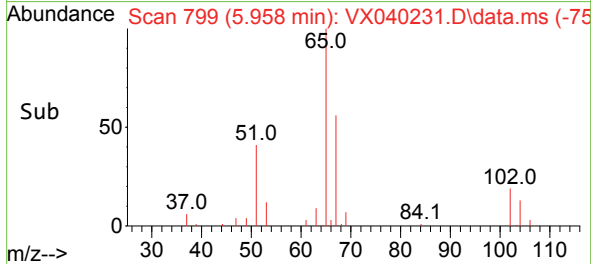
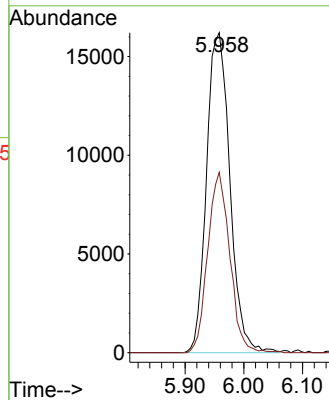
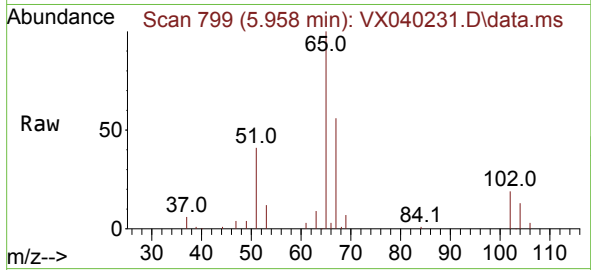
ClientSampleId :

Tgt Ion: 65 Resp: 44818

Ion Ratio Lower Upper

65 100

67 53.3 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: VX040231.D

Acq: 14 Feb 2024 19:22

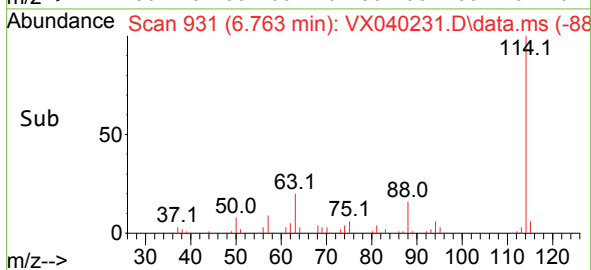
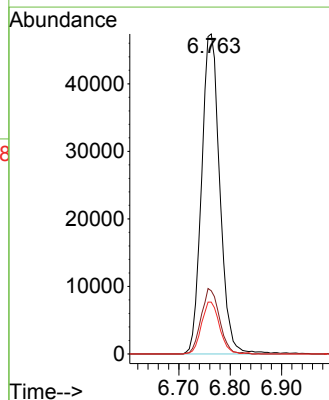
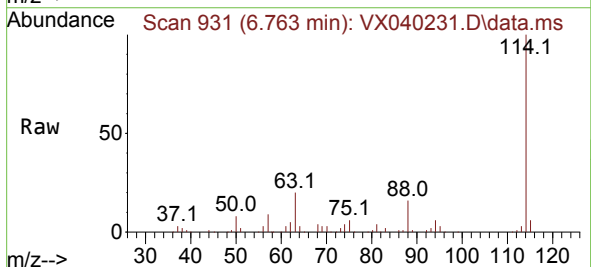
Tgt Ion: 114 Resp: 116407

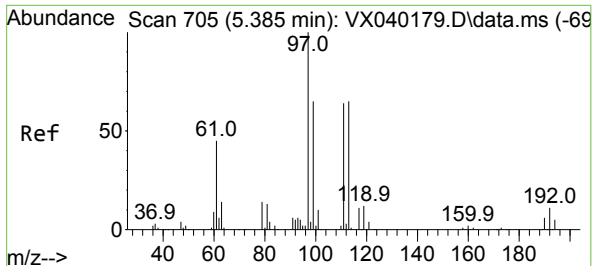
Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

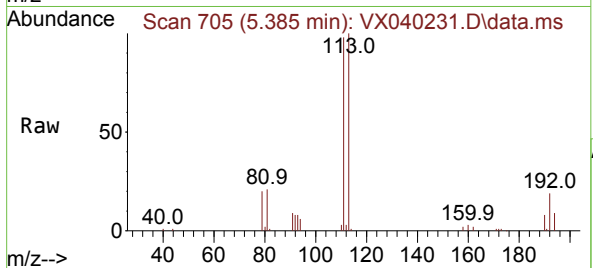
88 16.2 0.0 36.6



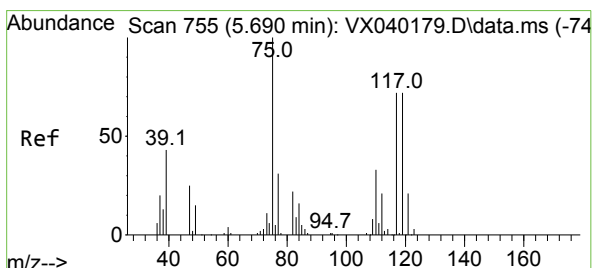
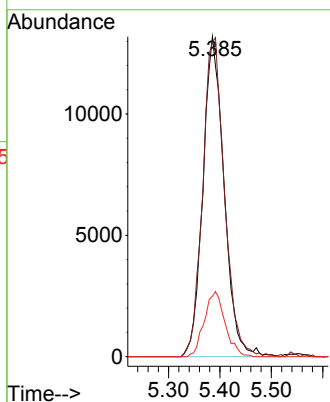
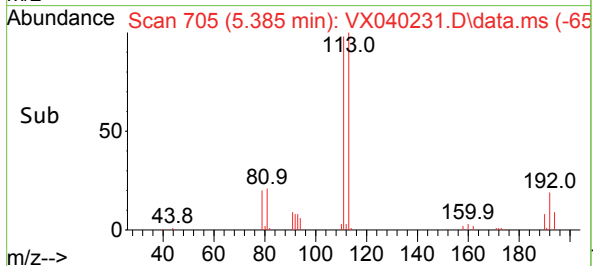


#35
Dibromofluoromethane
Concen: 46.419 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Instrument :
MSVOA_X
ClientSampleId :

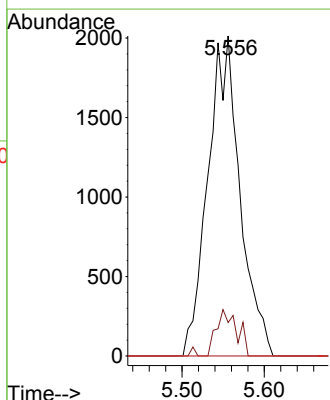
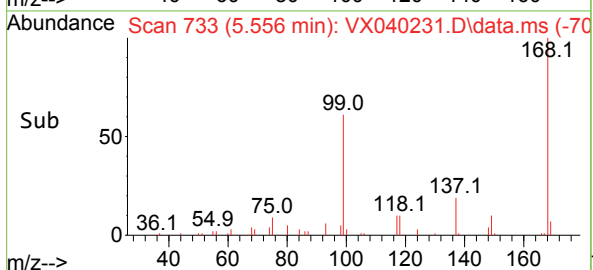
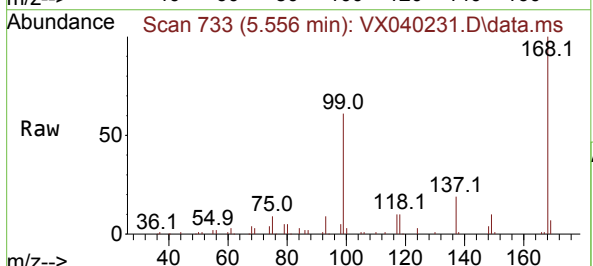


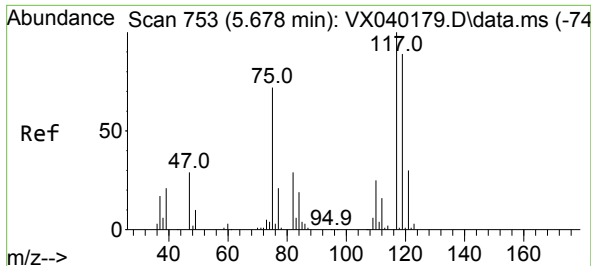
Tgt Ion:113 Resp: 37735
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 20.0 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.796 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

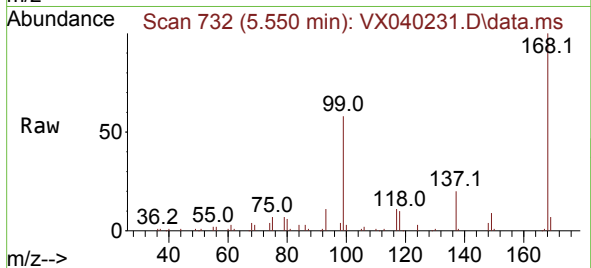
Tgt Ion: 75 Resp: 5461
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



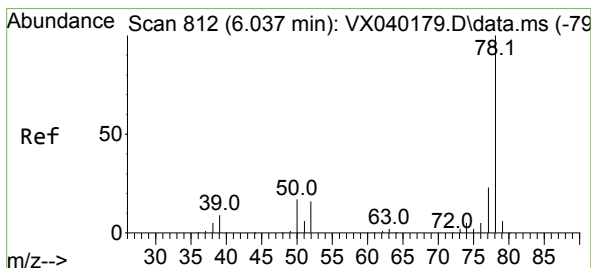
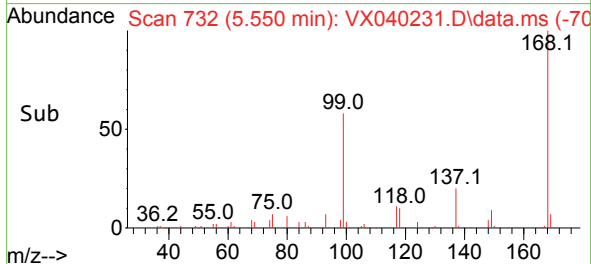
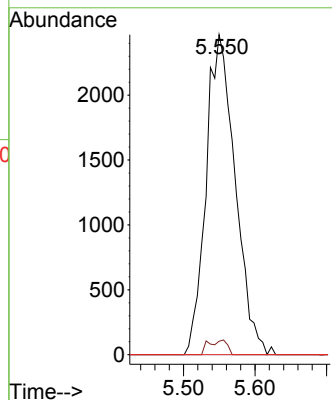


#38
Carbon Tetrachloride
Concen: 6.455 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Instrument :
MSVOA_X
ClientSampleId :

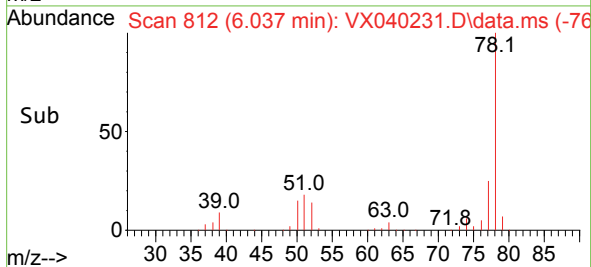
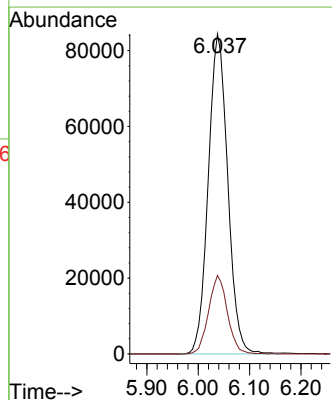
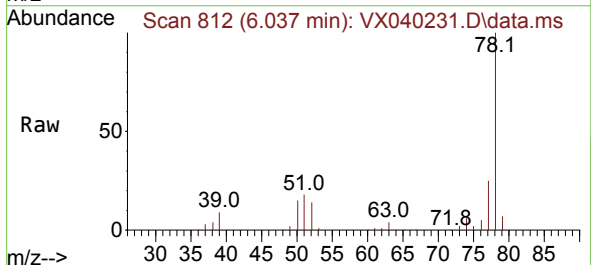


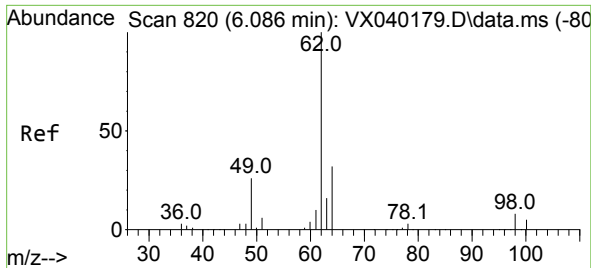
Tgt Ion:117 Resp: 6989
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 69.836 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Tgt Ion: 78 Resp: 222394
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9





#42

1,2-Dichloroethane

Concen: 1.536 ug/l

RT: 6.031 min Scan# 81

Delta R.T. -0.055 min

Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

Instrument :

MSVOA_X

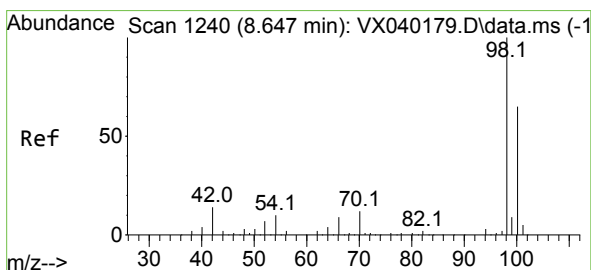
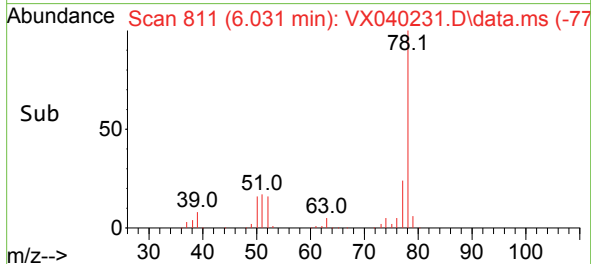
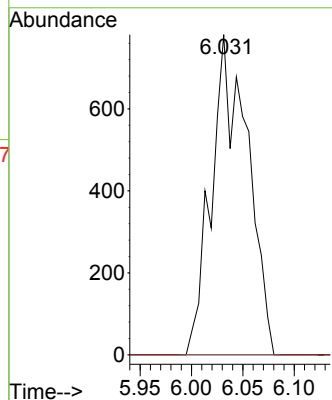
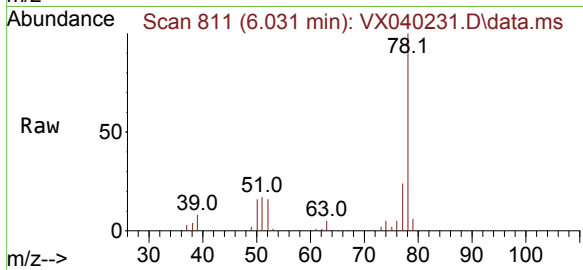
ClientSampleId :

Tgt Ion: 62 Resp: 1912

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#50

Toluene-d8

Concen: 46.175 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX040231.D

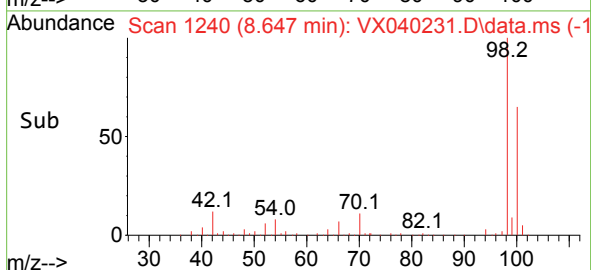
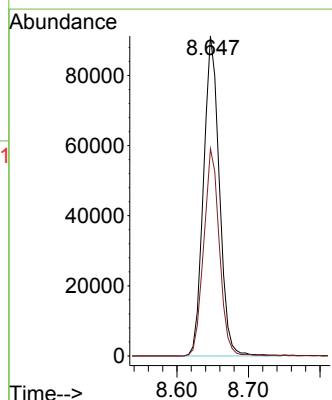
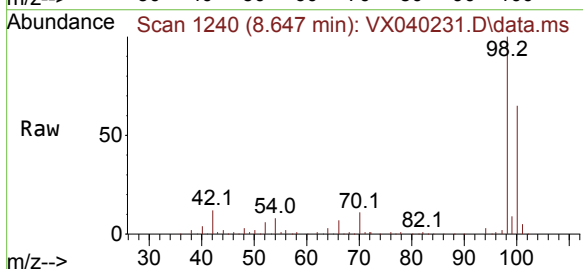
Acq: 14 Feb 2024 19:22

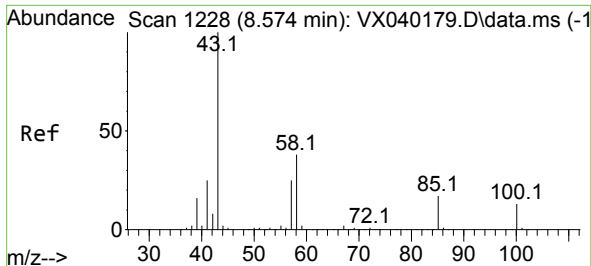
Tgt Ion: 98 Resp: 140413

Ion Ratio Lower Upper

98 100

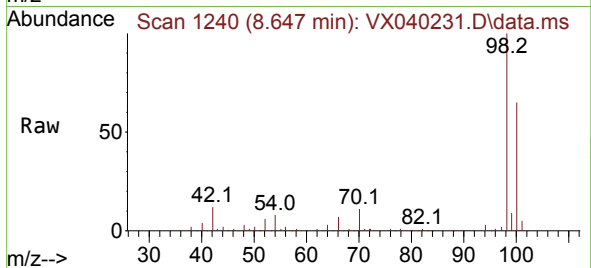
100 63.9 53.1 79.7



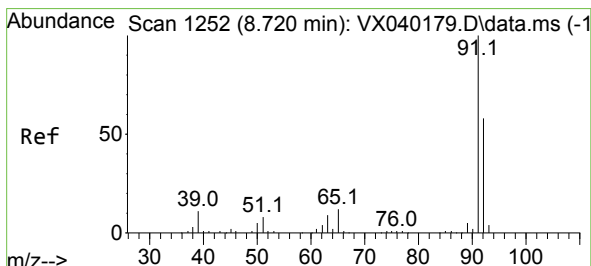
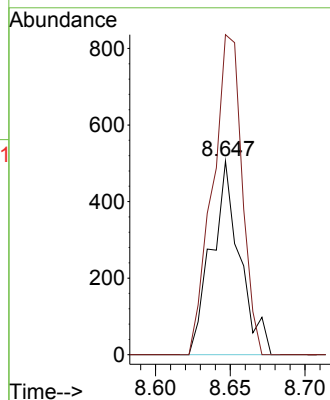
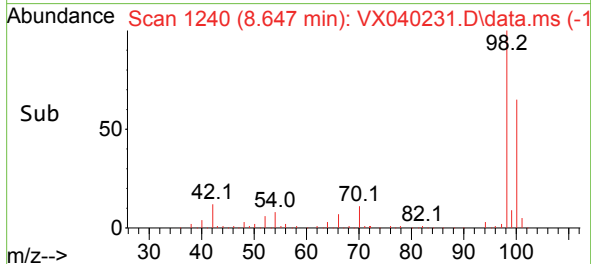


#51
4-Methyl-2-Pentanone
Concen: 0.492 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Instrument :
MSVOA_X
ClientSampleId :

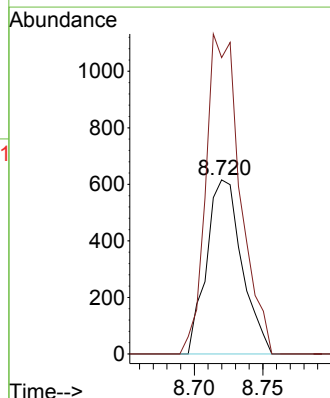
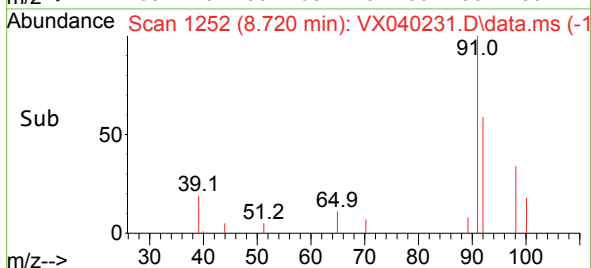
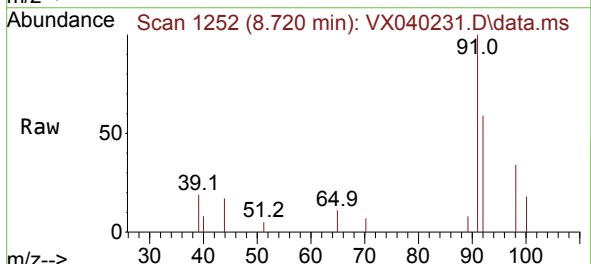


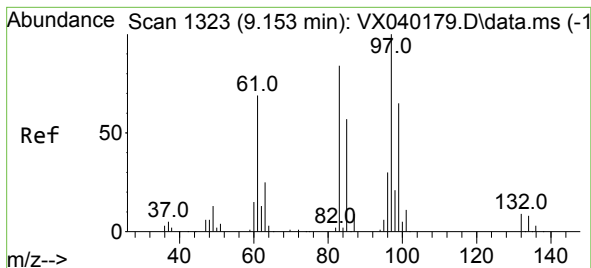
Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 172.2 30.4 45.6#



#52
Toluene
Concen: 0.529 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Tgt Ion: 92 Resp: 1103
Ion Ratio Lower Upper
92 100
91 179.1 134.2 201.2





#55

1,1,2-Trichloroethane

Concen: 0.200 ug/l

RT: 9.013 min Scan# 1

Delta R.T. -0.140 min

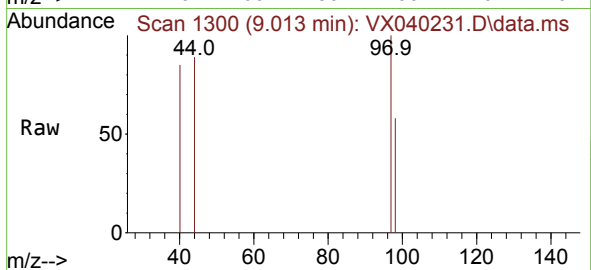
Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 178

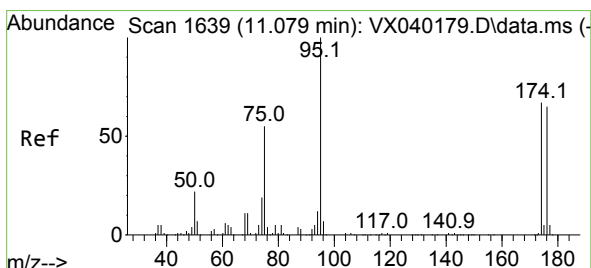
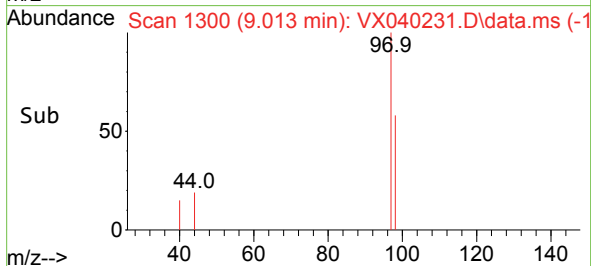
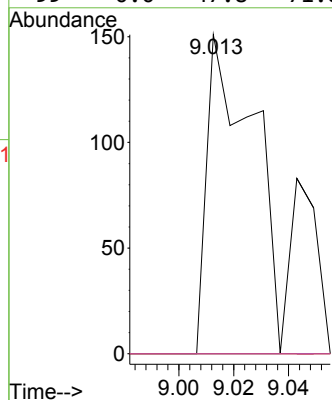
Ion Ratio Lower Upper

97 100

83 0.0 65.8 98.8#

85 0.0 41.6 62.4#

99 0.0 47.8 71.8#



#62

4-Bromofluorobenzene

Concen: 45.222 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

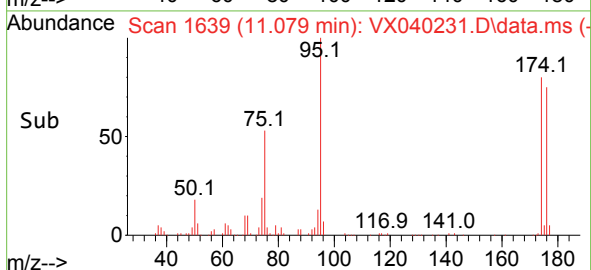
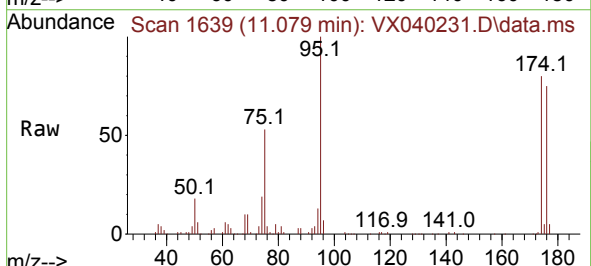
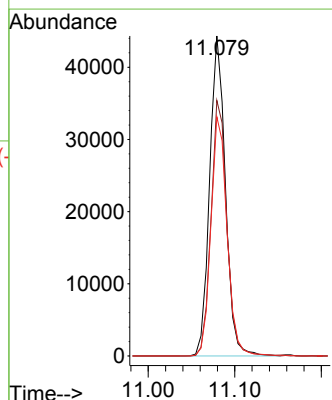
Tgt Ion: 95 Resp: 56084

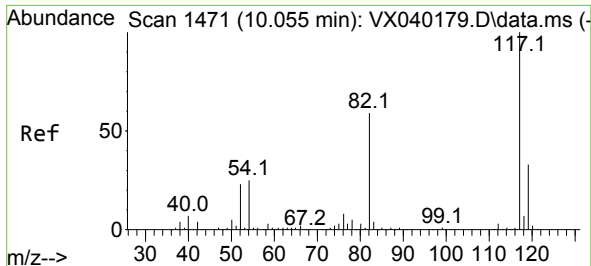
Ion Ratio Lower Upper

95 100

174 80.3 0.0 135.6

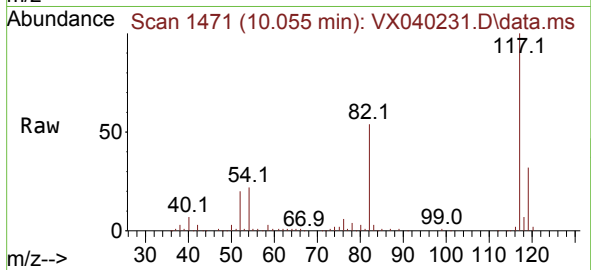
176 76.7 0.0 131.0



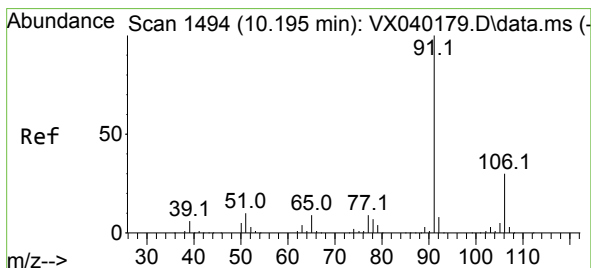
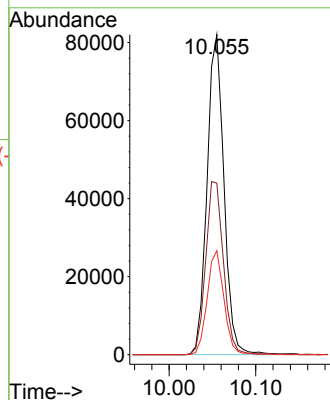
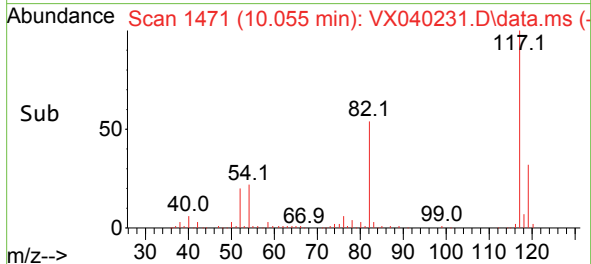


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Instrument :
MSVOA_X
ClientSampleId :

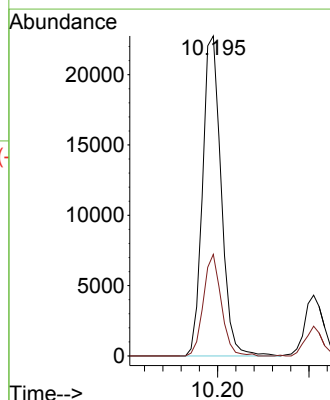
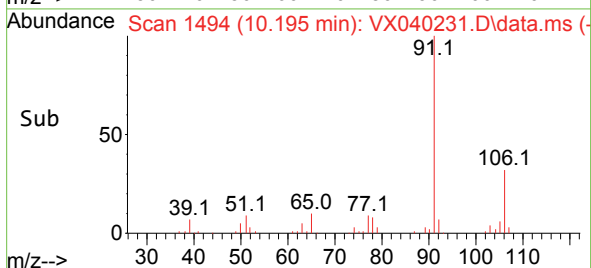
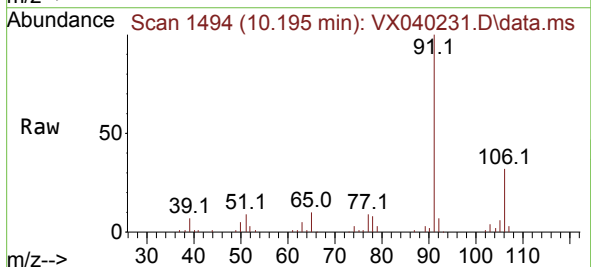


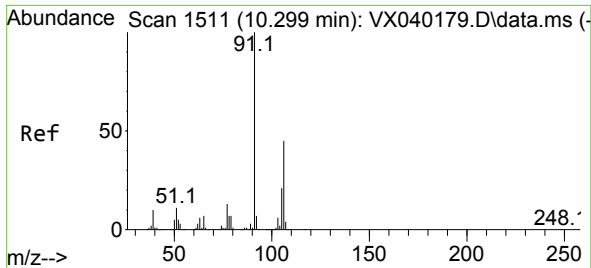
Tgt Ion:117 Resp: 111186
Ion Ratio Lower Upper
117 100
82 53.6 46.2 69.4
119 32.5 25.5 38.3



#67
Ethyl Benzene
Concen: 7.745 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Tgt Ion: 91 Resp: 32008
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3

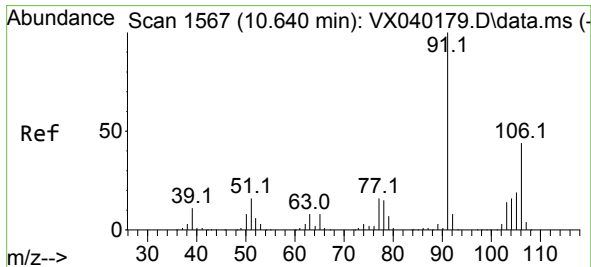
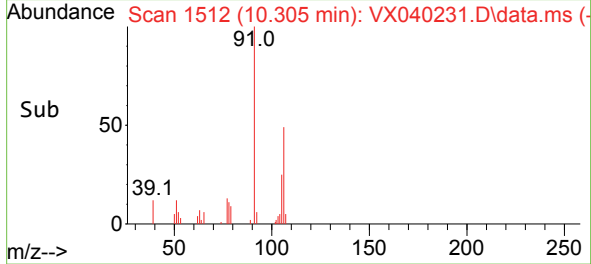
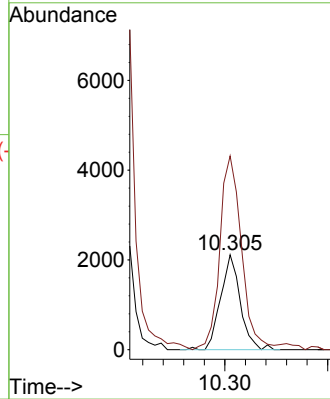
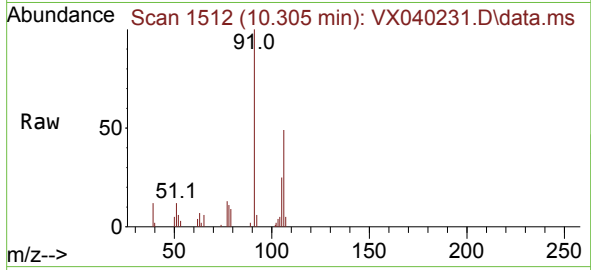




#68
m/p-Xylenes
Concen: 1.797 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

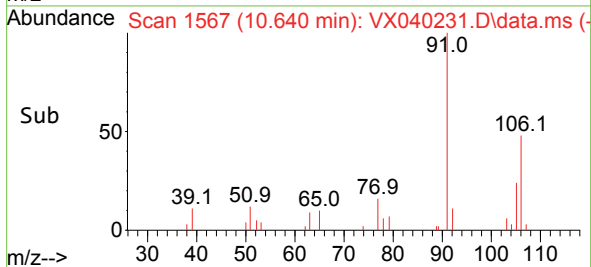
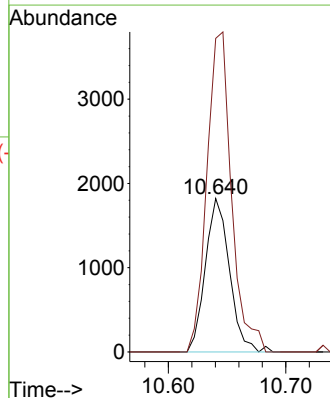
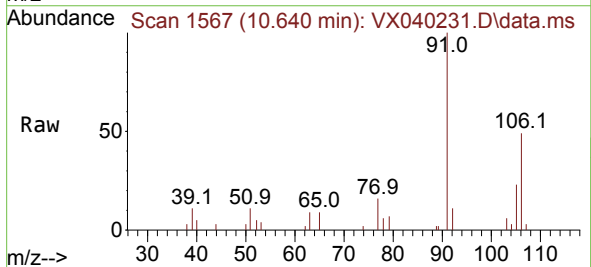
Instrument :
MSVOA_X
ClientSampleId :

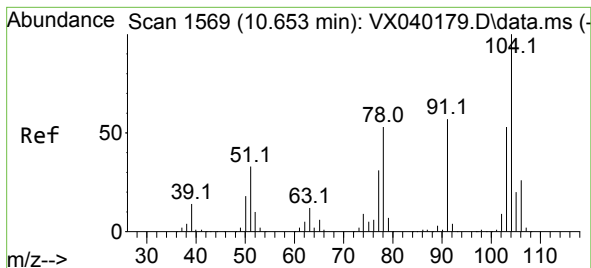
Tgt Ion:106 Resp: 2805
Ion Ratio Lower Upper
106 100
91 224.8 165.5 248.3



#69
o-Xylene
Concen: 1.713 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Tgt Ion:106 Resp: 2599
Ion Ratio Lower Upper
106 100
91 212.3 108.9 326.8





#70

Styrene

Concen: 0.253 ug/l

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX040231.D

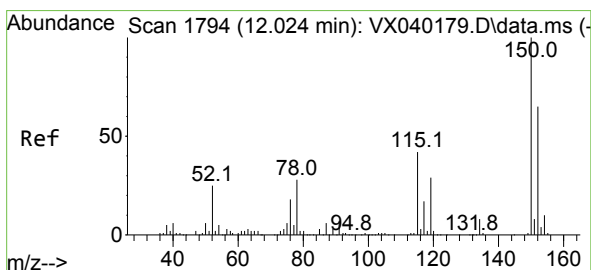
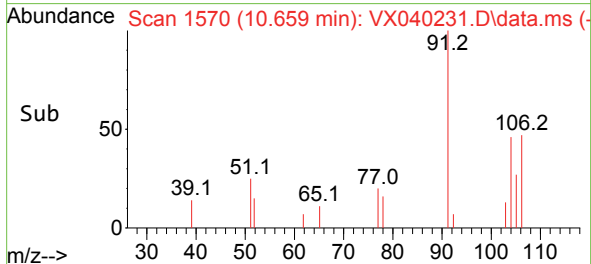
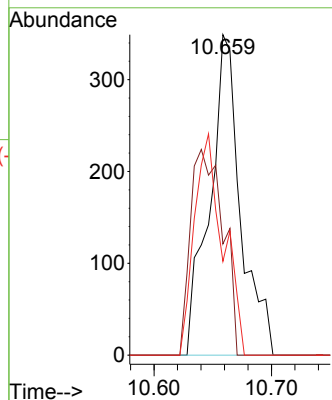
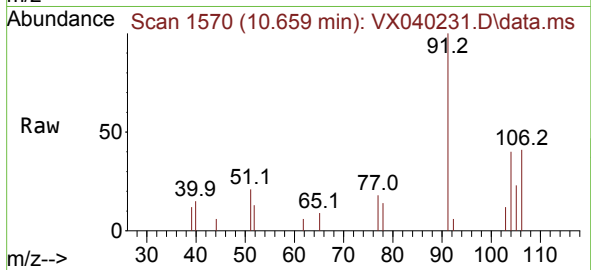
Acq: 14 Feb 2024 19:22

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:104	Resp:	638
Ion Ratio	Lower	Upper
104	100	
78	67.7	43.6 65.4#
103	63.9	43.6 65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

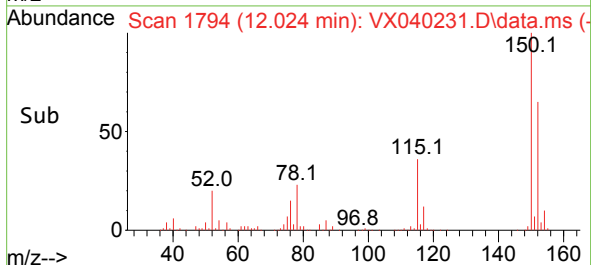
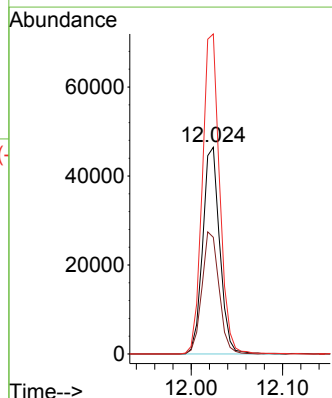
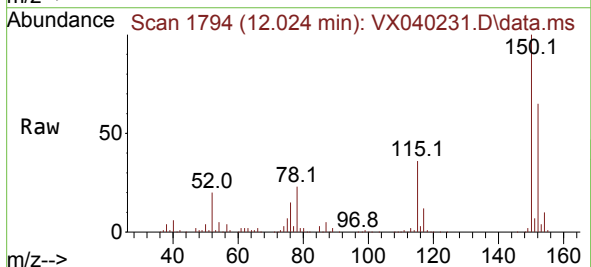
RT: 12.024 min Scan# 1794

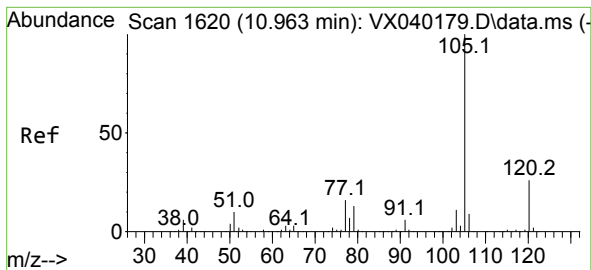
Delta R.T. 0.000 min

Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

Tgt Ion:152	Resp:	59908
Ion Ratio	Lower	Upper
152	100	
115	59.4	43.3 129.9
150	157.9	0.0 345.0





#73

Isopropylbenzene

Concen: 0.315 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

Instrument :

MSVOA_X

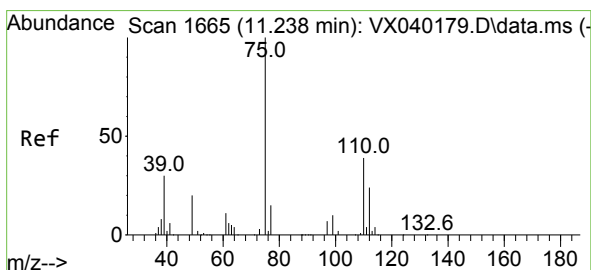
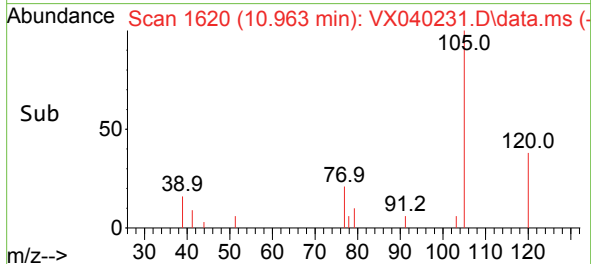
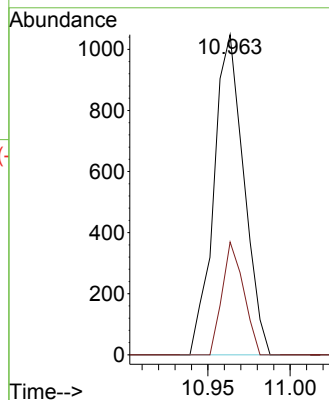
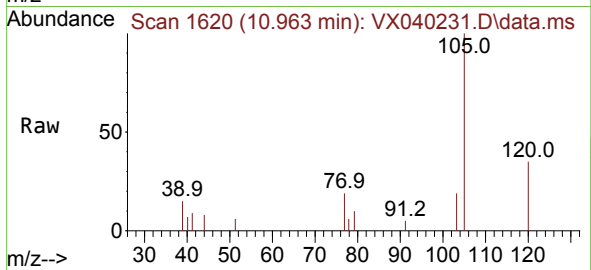
ClientSampleId :

Tgt Ion:105 Resp: 1330

Ion Ratio Lower Upper

105 100

120 25.1 12.9 38.6



#76

1,2,3-Trichloropropane

Concen: 23.969 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040231.D

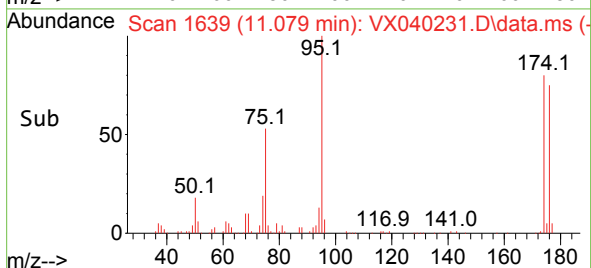
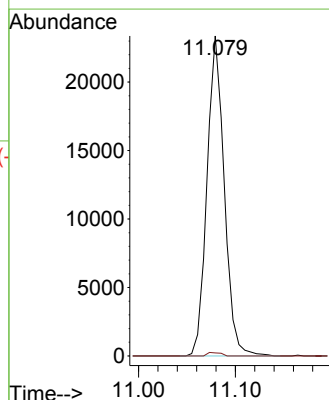
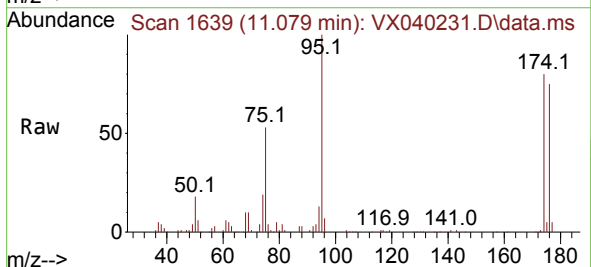
Acq: 14 Feb 2024 19:22

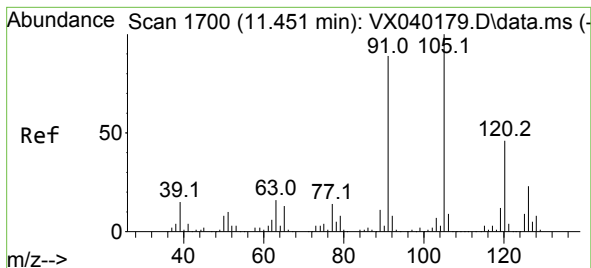
Tgt Ion: 75 Resp: 29078

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.236 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

Instrument :

MSVOA_X

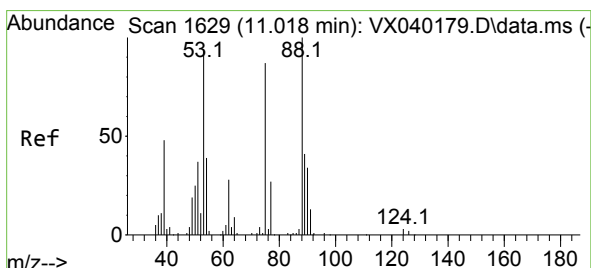
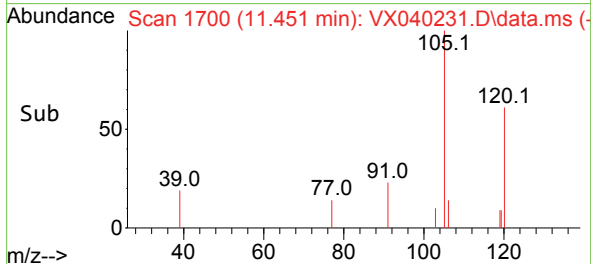
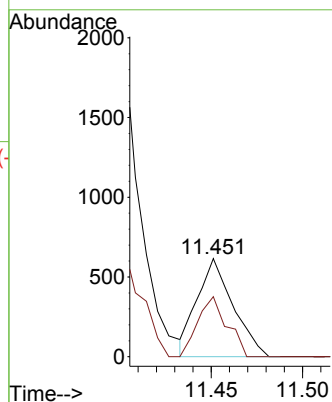
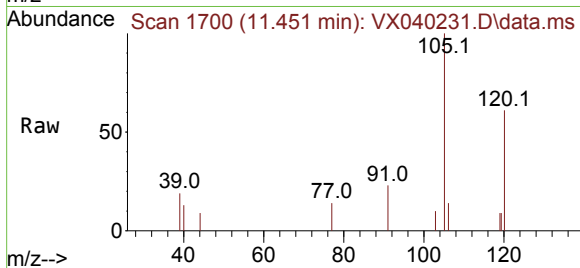
ClientSampleId :

Tgt Ion:105 Resp: 840

Ion Ratio Lower Upper

105 100

120 50.1 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 66.078 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

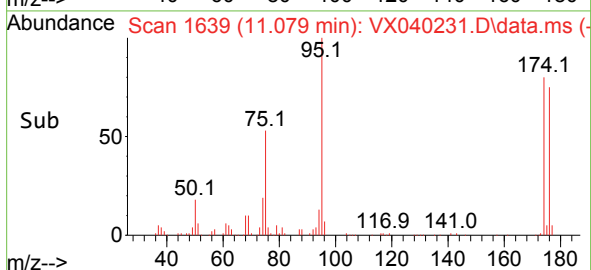
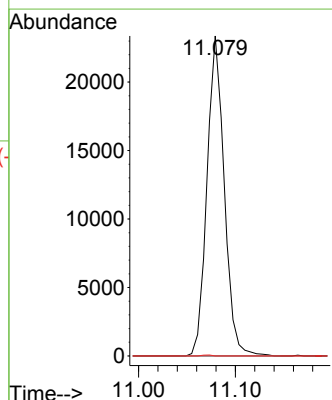
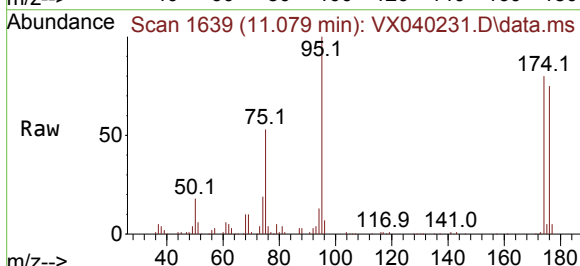
Tgt Ion: 75 Resp: 29078

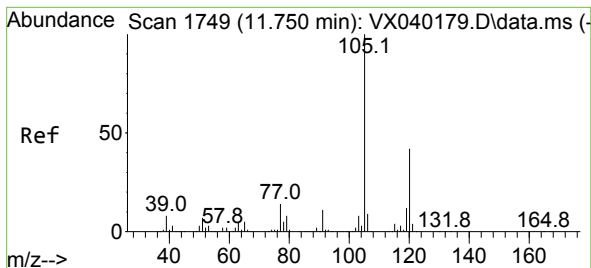
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.2 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 1.040 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX040231.D

Acq: 14 Feb 2024 19:22

Instrument :

MSVOA_X

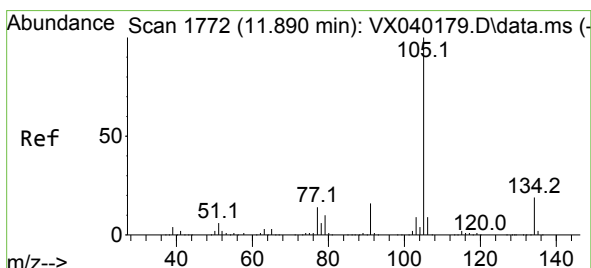
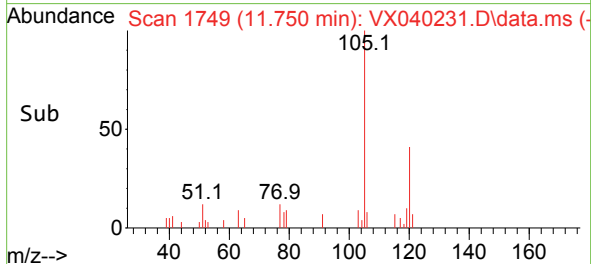
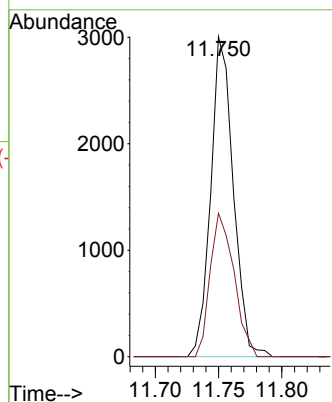
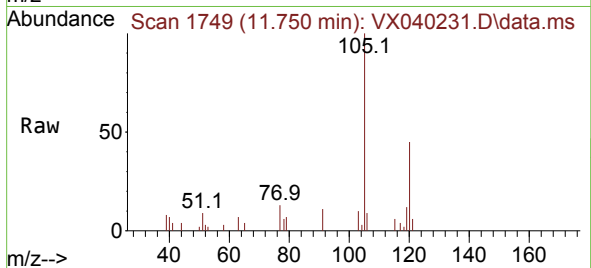
ClientSampleId :

Tgt Ion:105 Resp: 3736

Ion Ratio Lower Upper

105 100

120 47.3 21.2 63.6



#85

sec-Butylbenzene

Concen: 0.835 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX040231.D

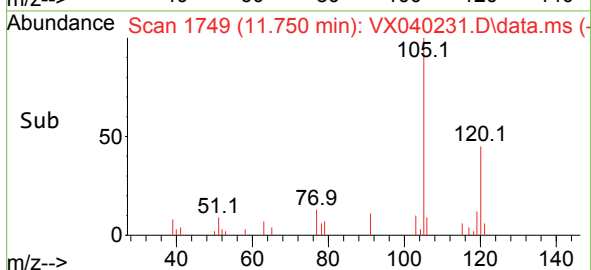
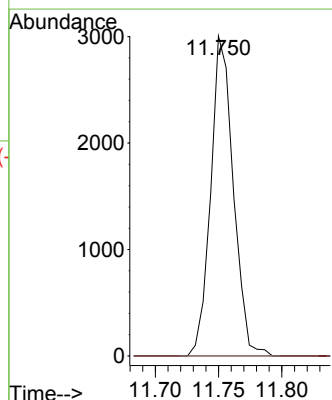
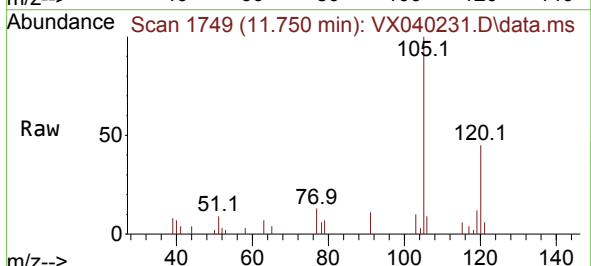
Acq: 14 Feb 2024 19:22

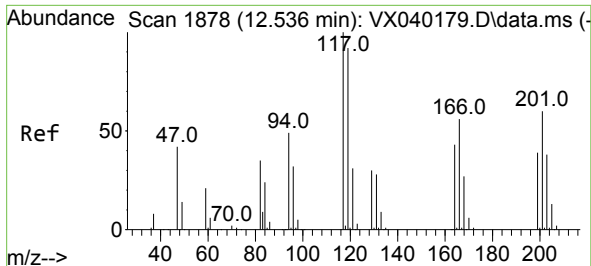
Tgt Ion:105 Resp: 3736

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#

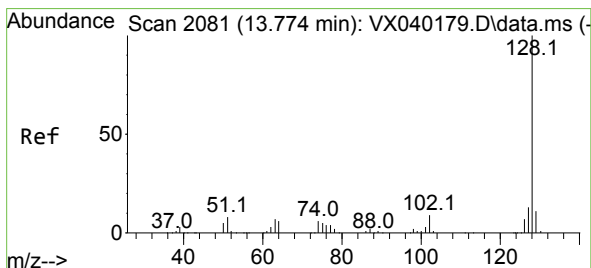
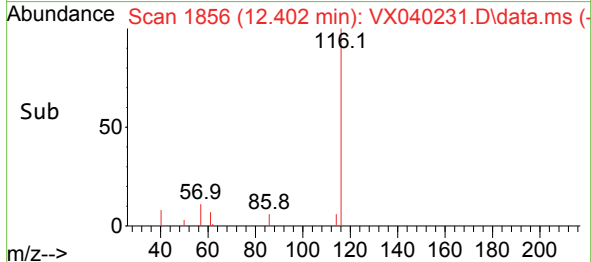
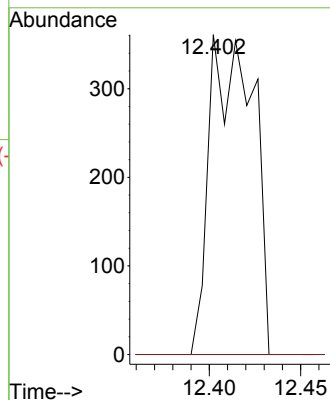
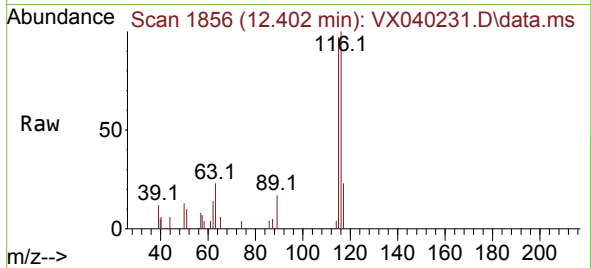




#90
Hexachloroethane
Concen: 1.040 ug/l
RT: 12.402 min Scan# 1856
Delta R.T. -0.134 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 602
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#



#95
Naphthalene
Concen: 26.259 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX040231.D
Acq: 14 Feb 2024 19:22

Tgt Ion:128 Resp: 108538
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.1 8.8 13.2

