

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060324\
 Data File : VX041702.D
 Acq On : 03 Jun 2024 14:20
 Operator : JC/MD
 Sample : P2660-02 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

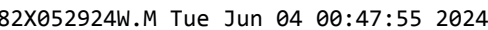
Quant Time: Jun 04 00:47:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

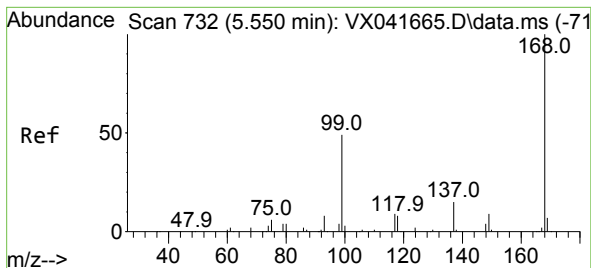
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	143635	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	220791	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83059	47.149	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.300%		
35) Dibromofluoromethane	5.385	113	69255	45.367	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.740%		
50) Toluene-d8	8.647	98	260225	48.787	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.580%		
62) 4-Bromofluorobenzene	11.079	95	99672	50.630	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.260%		
Target Compounds						
						Qvalue
6) Chloroethane	1.673	64	364	0.425	ug/l	# 43
11) Tert butyl alcohol	2.941	59	2274	7.297	ug/l	# 78
16) Acetone	2.392	43	2498	0.542	ug/l	95
20) Methylene Chloride	2.782	84	1064	0.675	ug/l	86
31) Cyclohexane	5.452	56	516	0.248	ug/l	# 49
36) 1,1-Dichloropropene	5.550	75	9317	5.041	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	13068	6.223	ug/l	# 14
39) Methylcyclohexane	7.385	83	845	0.372	ug/l	# 73
40) Benzene	6.038	78	7413	1.283	ug/l	98
44) Trichloroethene	7.129	130	442	0.281	ug/l	87
51) 4-Methyl-2-Pentanone	8.647	43	1247	0.546	ug/l	# 1
52) Toluene	8.720	92	7375	2.011	ug/l	96
67) Ethyl Benzene	10.195	91	186671	24.988	ug/l	97
68) m/p-Xylenes	10.299	106	259010	87.154	ug/l	94
69) o-Xylene	10.640	106	130206	44.041	ug/l	95
70) Styrene	10.640	104	6821	1.397	ug/l	# 1
73) Isopropylbenzene	10.964	105	10393	1.512	ug/l	100
76) 1,2,3-Trichloropropane	11.378	75	1575	0.814	ug/l	# 1
78) n-propylbenzene	11.305	91	26218	3.473	ug/l	98
79) 2-Chlorotoluene	11.378	91	20320	4.188	ug/l	# 42
80) 1,3,5-Trimethylbenzene	11.451	105	52782	9.196	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	50537	71.229	ug/l	# 5
82) 4-Chlorotoluene	11.451	91	6217	1.126	ug/l	# 46
83) tert-Butylbenzene	11.750	119	27584	4.461	ug/l	# 67
84) 1,2,4-Trimethylbenzene	11.750	105	217496	37.399	ug/l	92
85) sec-Butylbenzene	11.750	105	217496	30.683	ug/l	# 57
86) p-Isopropyltoluene	11.969	119	2223	0.358	ug/l	# 70
89) n-Butylbenzene	12.323	91	3294	0.669	ug/l	# 1
90) Hexachloroethane	12.610	117	1375	1.300	ug/l	# 17
95) Naphthalene	13.774	128	76297	10.627	ug/l	100

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

Quant Time: Jun 04 00:47:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
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: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

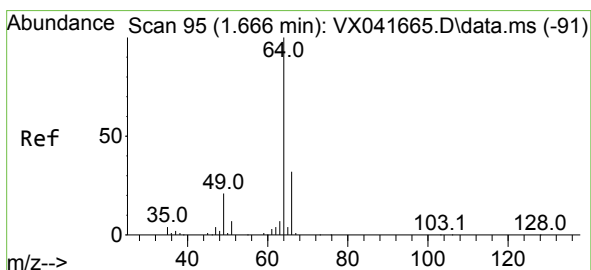
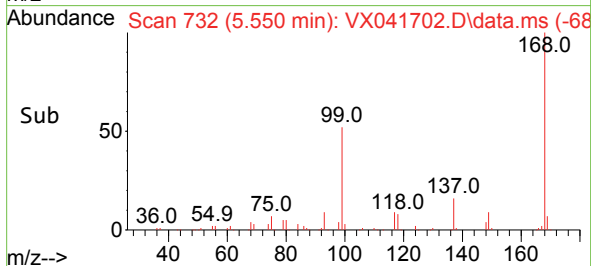
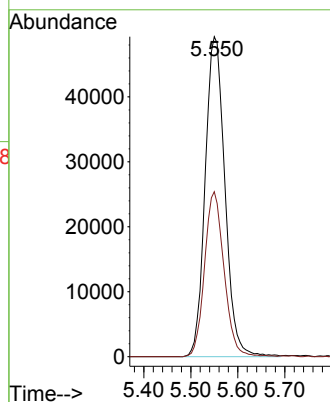
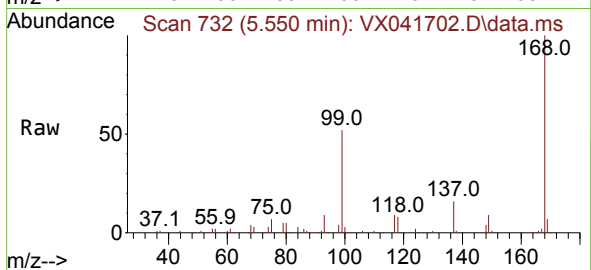
ClientSampleId :

Tgt Ion:168 Resp: 143635

Ion Ratio Lower Upper

168 100

99 51.5 56.6 85.0#



#6

Chloroethane

Concen: 0.425 ug/l

RT: 1.673 min Scan# 96

Delta R.T. 0.006 min

Lab File: VX041702.D

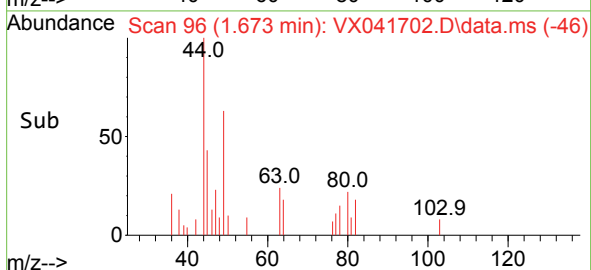
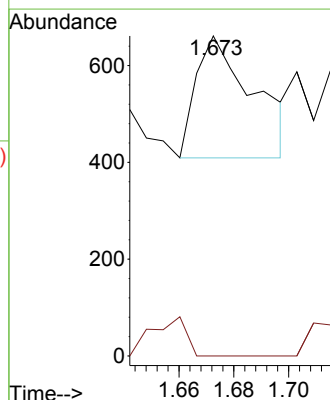
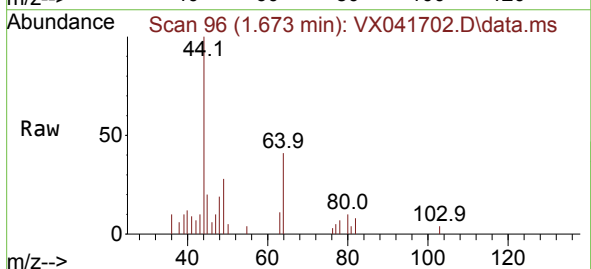
Acq: 03 Jun 2024 14:20

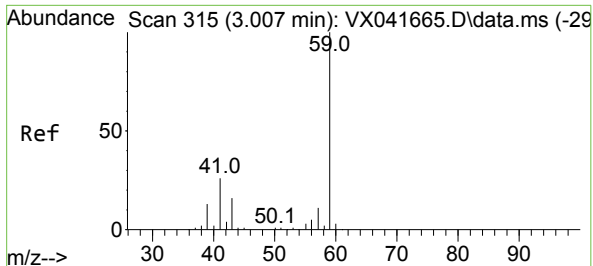
Tgt Ion: 64 Resp: 364

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 7.297 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.067 min

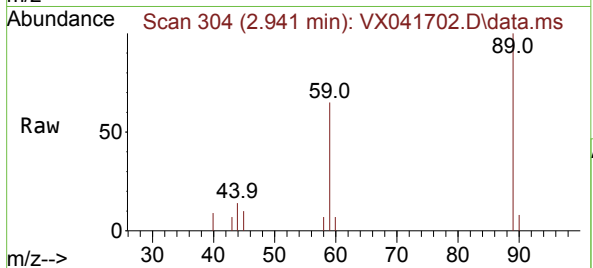
Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

ClientSampleId :

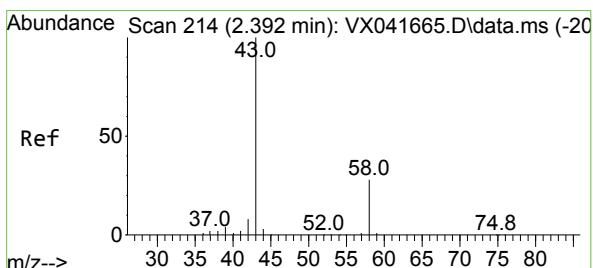
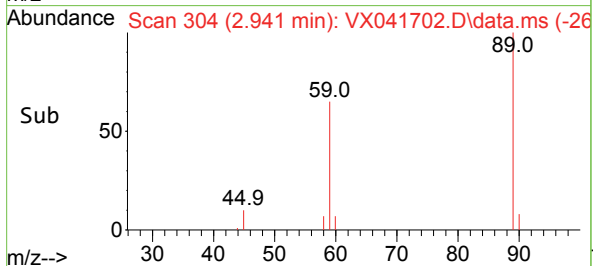
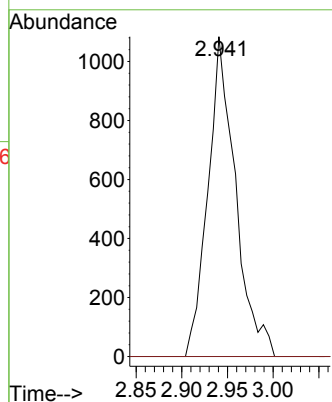


Tgt Ion: 59 Resp: 2274

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 0.542 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041702.D

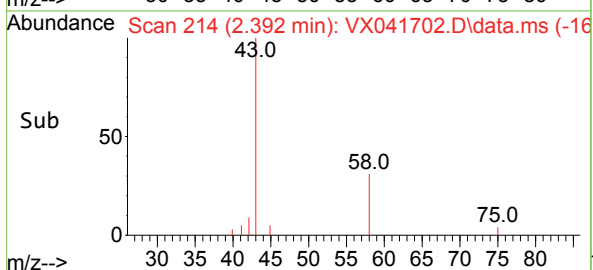
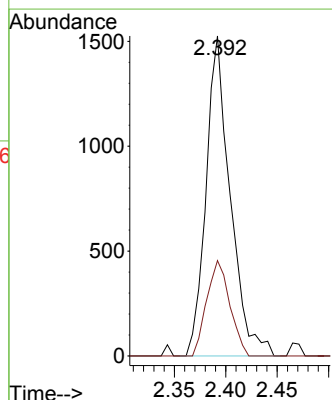
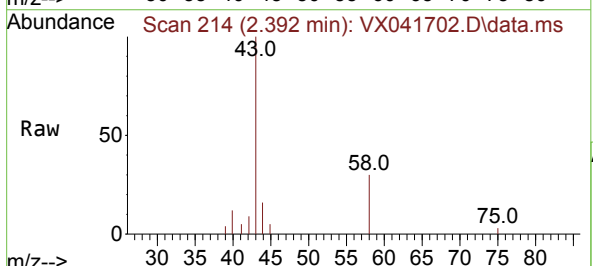
Acq: 03 Jun 2024 14:20

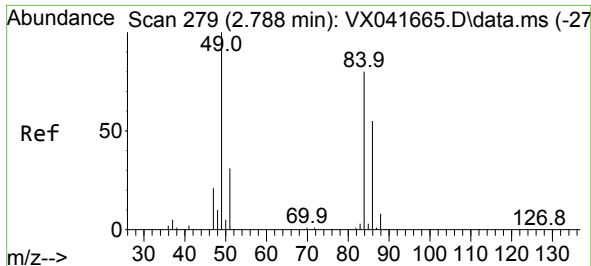
Tgt Ion: 43 Resp: 2498

Ion Ratio Lower Upper

43 100

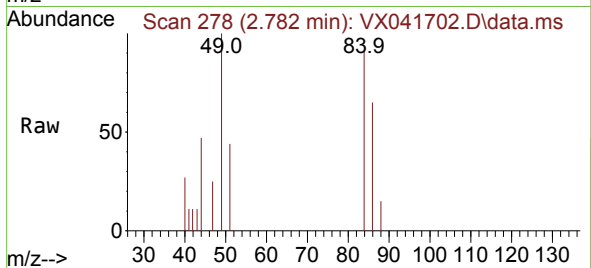
58 29.8 21.9 32.9



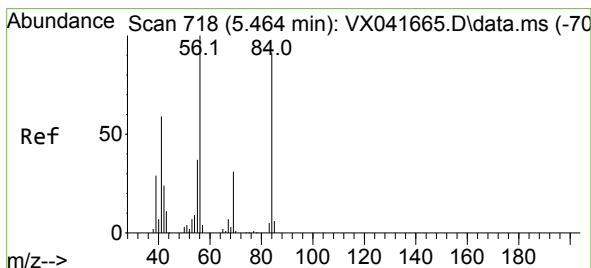
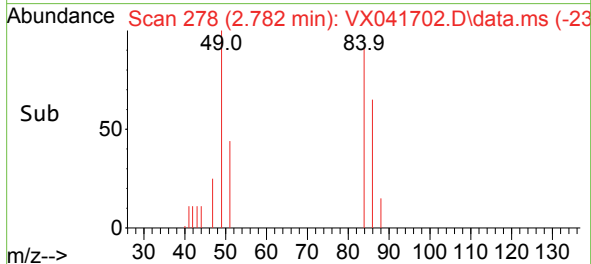
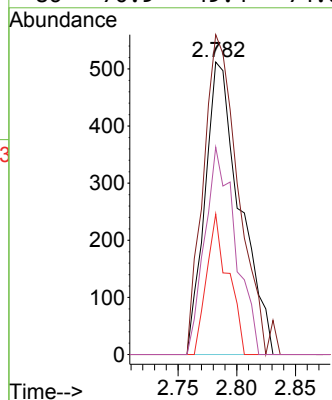


#20
Methylene Chloride
Concen: 0.675 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

Instrument :
MSVOA_X
ClientSampleId :

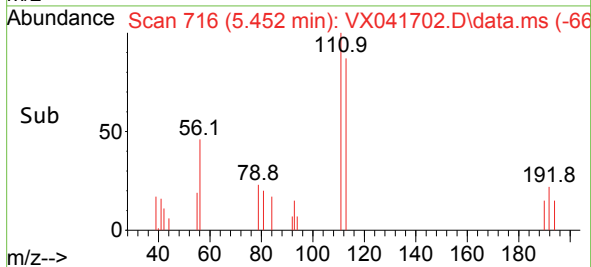
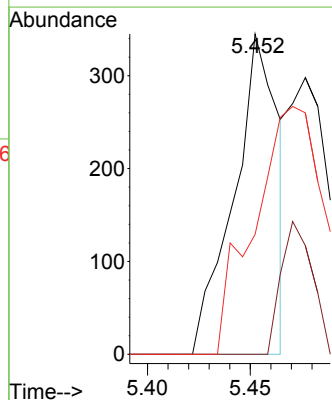
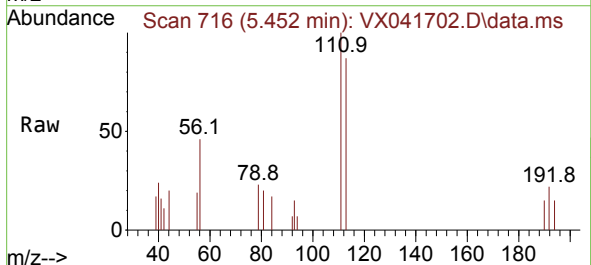


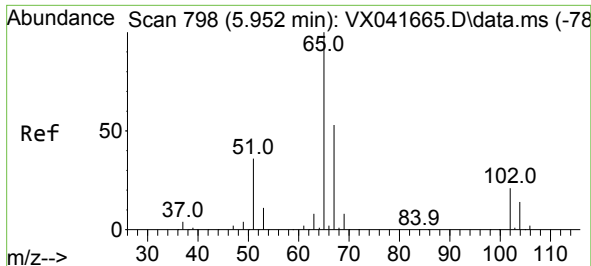
Tgt Ion:	84	Resp:	1064
Ion	Ratio	Lower	Upper
84	100		
49	109.4	103.6	155.4
51	48.0	33.8	50.6
86	70.9	49.4	74.0



#31
Cyclohexane
Concen: 0.248 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.012 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

Tgt Ion:	56	Resp:	516
Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.4	35.2#
84	37.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.149 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

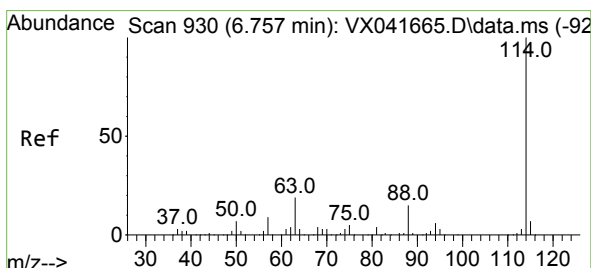
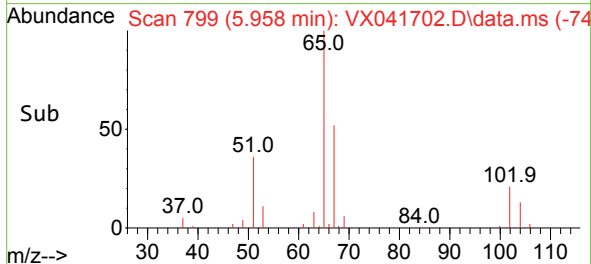
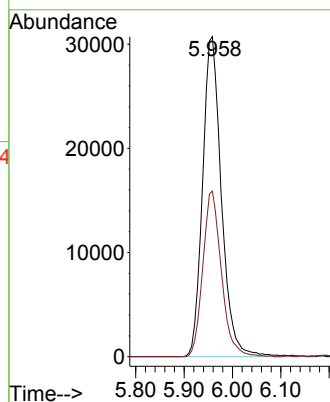
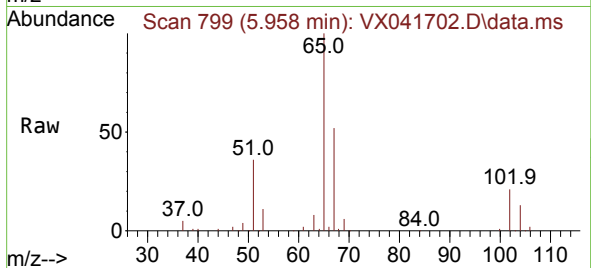
ClientSampleId :

Tgt Ion: 65 Resp: 83059

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

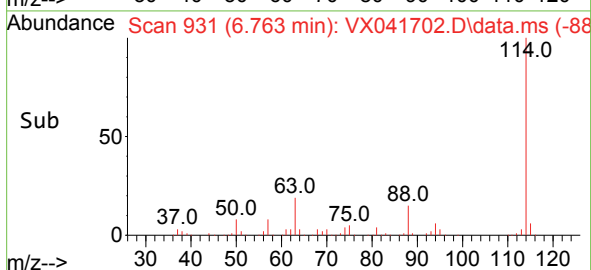
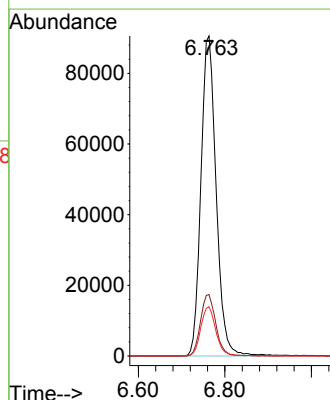
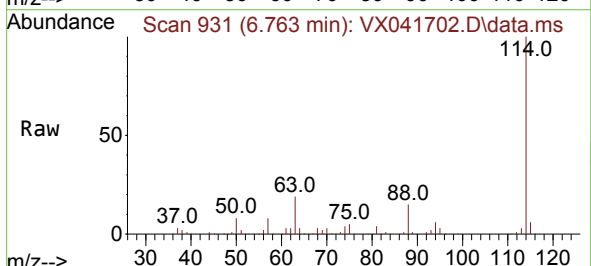
Tgt Ion: 114 Resp: 220791

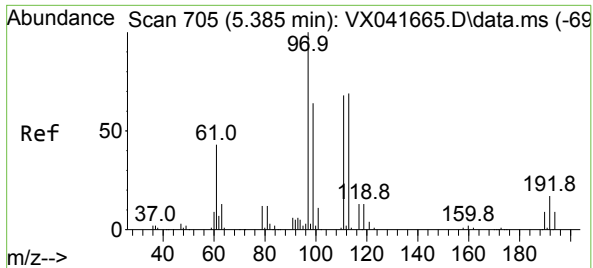
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

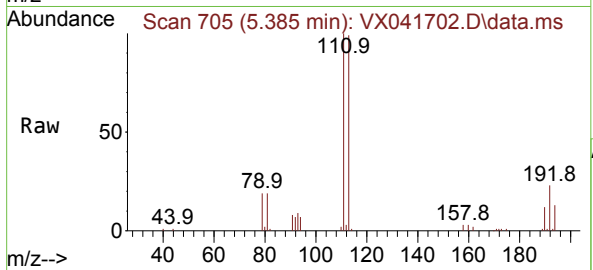
88 15.4 0.0 36.6



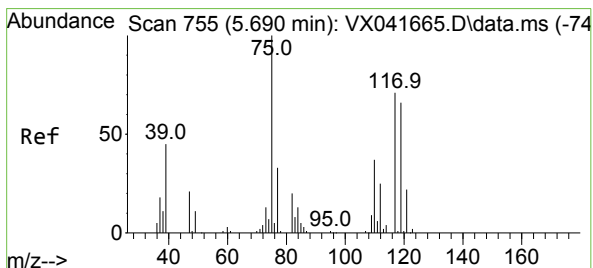
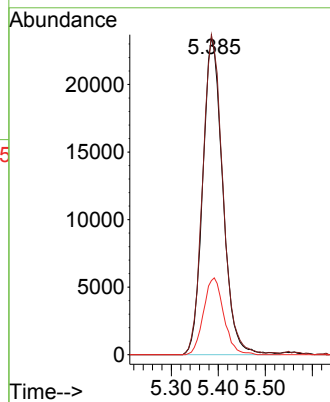
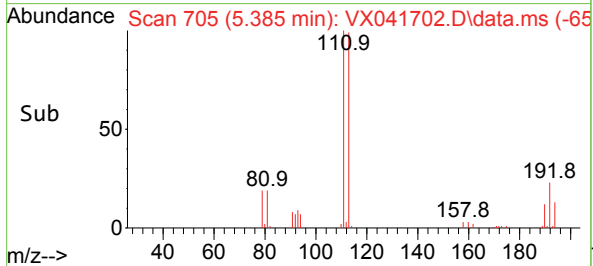


#35
Dibromofluoromethane
Concen: 45.367 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

Instrument :
MSVOA_X
ClientSampleId :

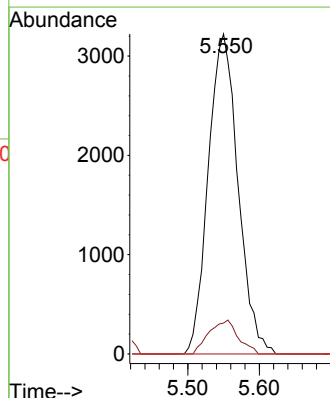
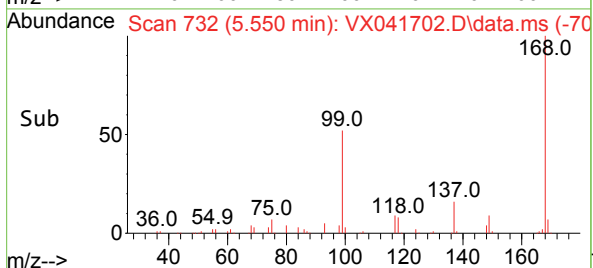
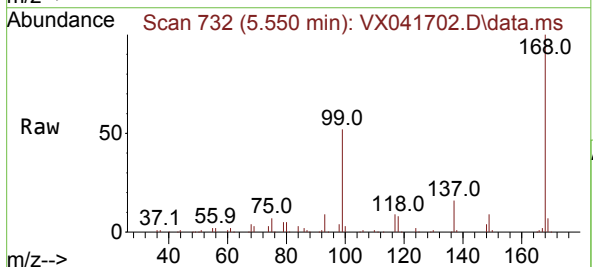


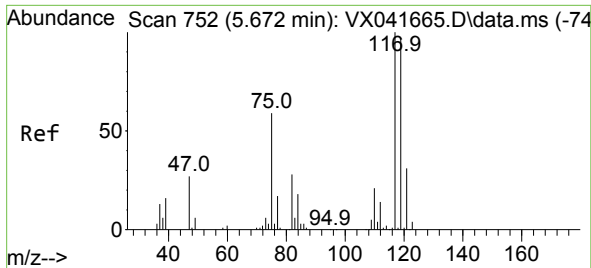
Tgt Ion:113 Resp: 69255
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 24.5 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.041 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

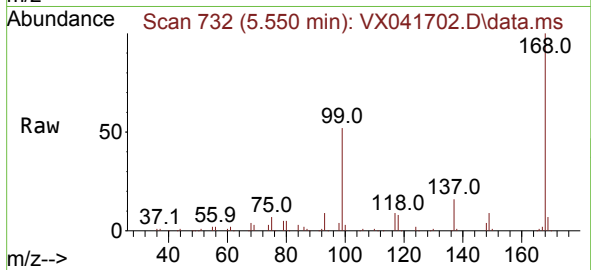
Tgt Ion: 75 Resp: 9317
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



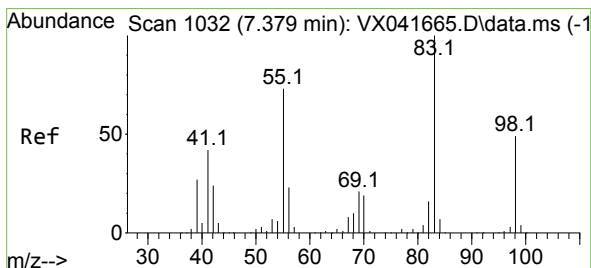
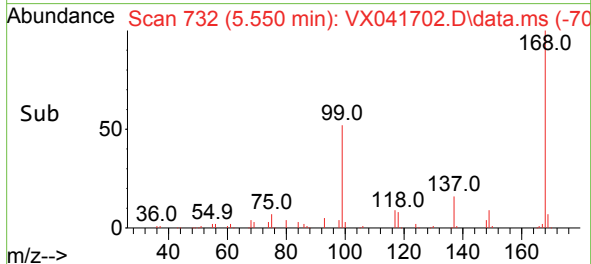
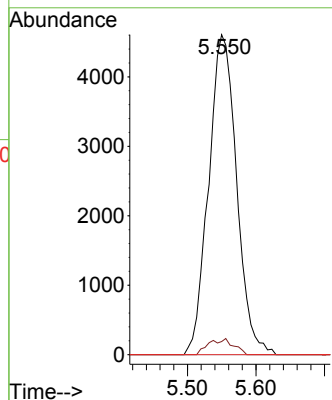


#38
Carbon Tetrachloride
Concen: 6.223 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

Instrument :
MSVOA_X
ClientSampleId :

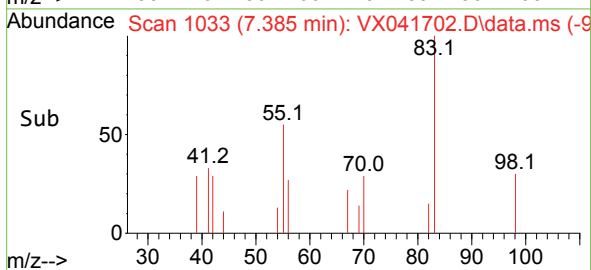
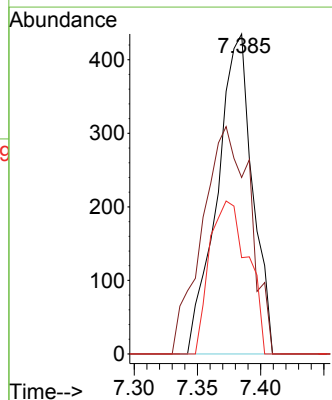
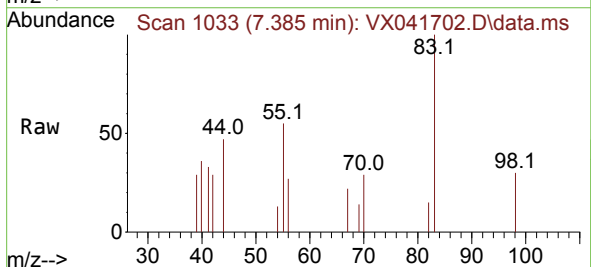


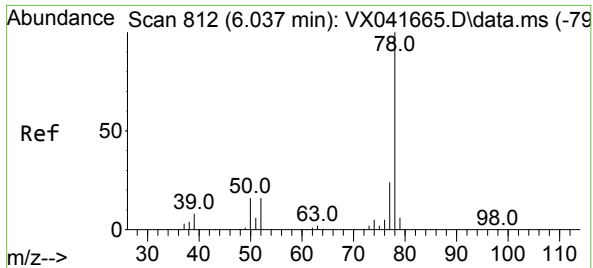
Tgt Ion:117 Resp: 13068
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.372 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

Tgt Ion: 83 Resp: 845
Ion Ratio Lower Upper
83 100
55 55.2 64.6 97.0#
98 30.1 36.7 55.1#





#40

Benzene

Concen: 1.283 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

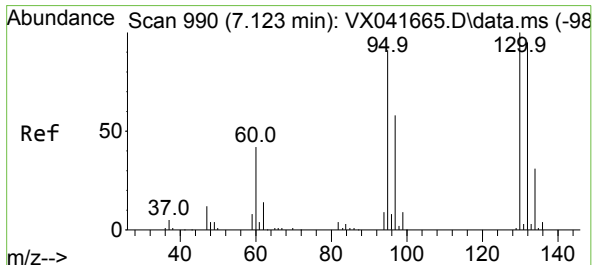
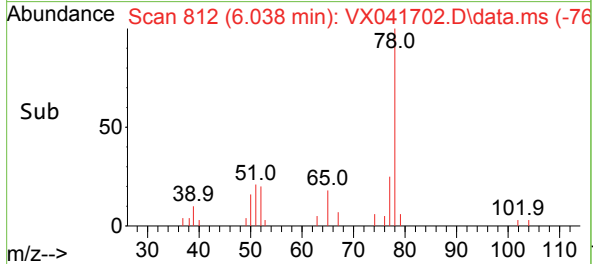
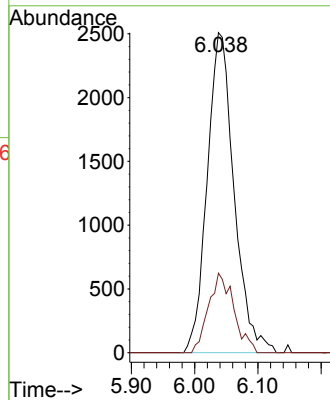
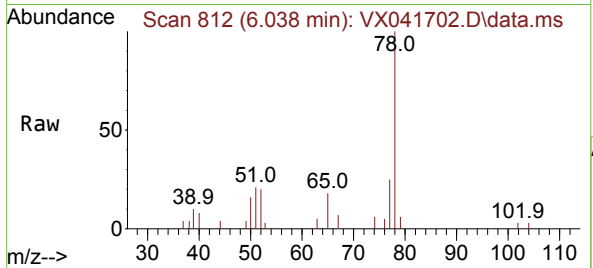
ClientSampleId :

Tgt Ion: 78 Resp: 7413

Ion Ratio Lower Upper

78 100

77 24.9 19.3 28.9



#44

Trichloroethene

Concen: 0.281 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX041702.D

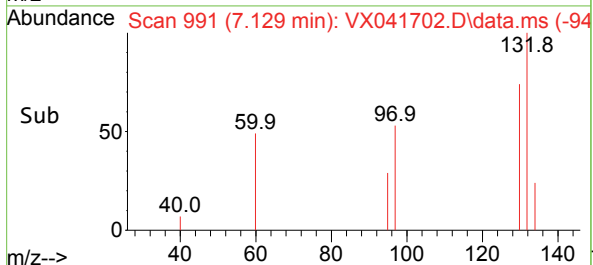
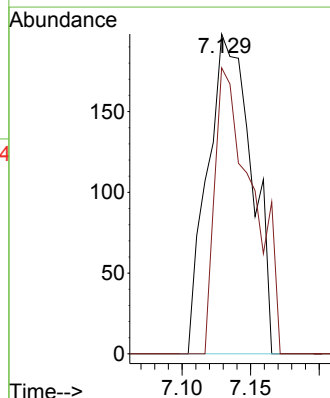
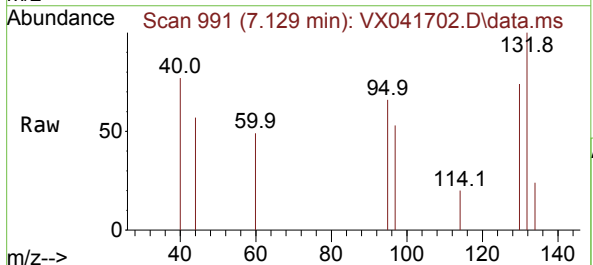
Acq: 03 Jun 2024 14:20

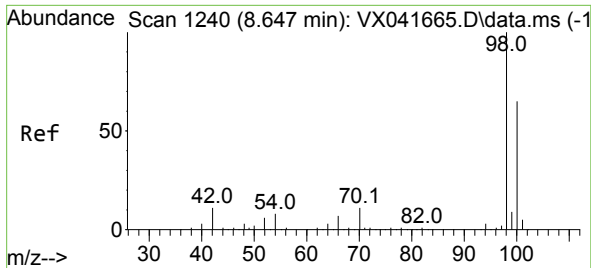
Tgt Ion:130 Resp: 442

Ion Ratio Lower Upper

130 100

95 89.4 0.0 204.4

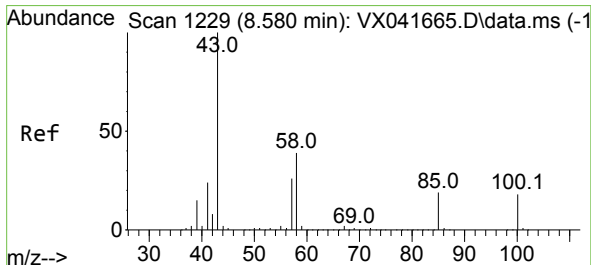
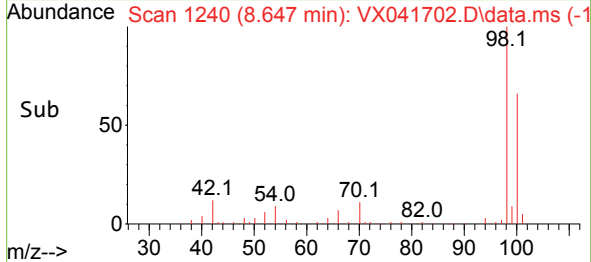
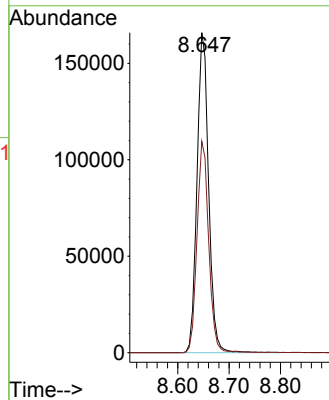
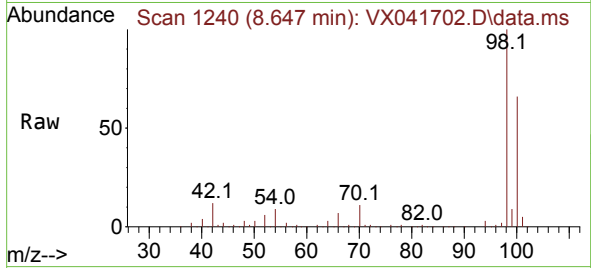




#50
Toluene-d8
Concen: 48.787 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

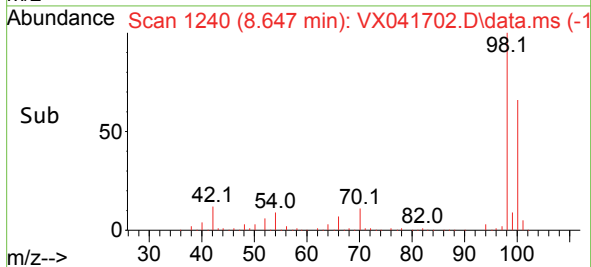
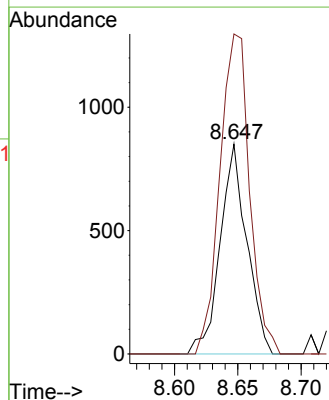
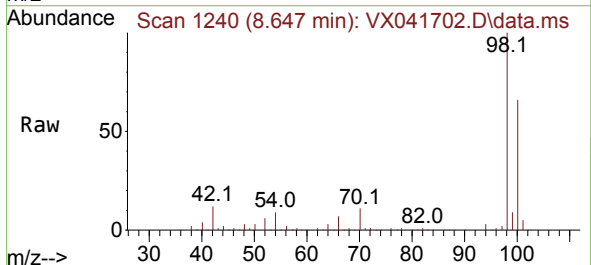
Instrument :
MSVOA_X
ClientSampleId :

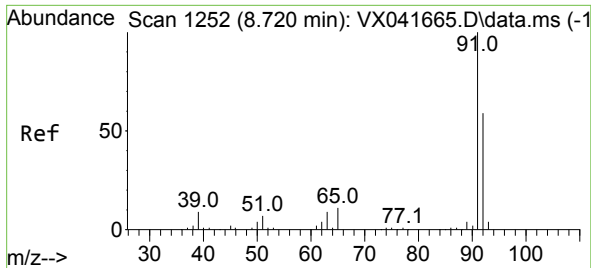
Tgt Ion: 98 Resp: 260225
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.546 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

Tgt Ion: 43 Resp: 1247
Ion Ratio Lower Upper
43 100
58 170.2 30.4 45.6#

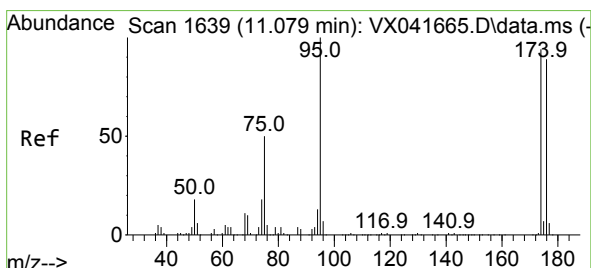
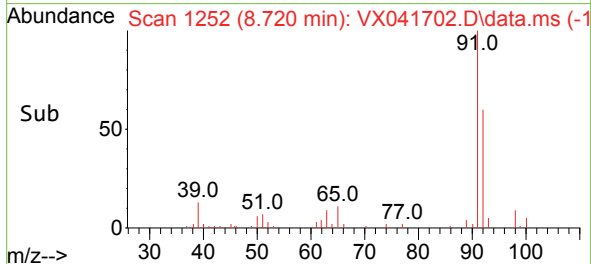
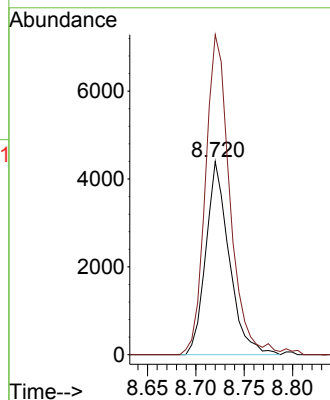
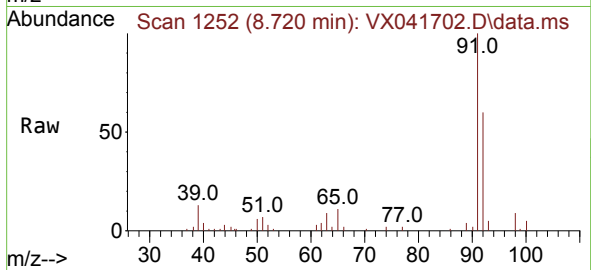




#52
Toluene
Concen: 2.011 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

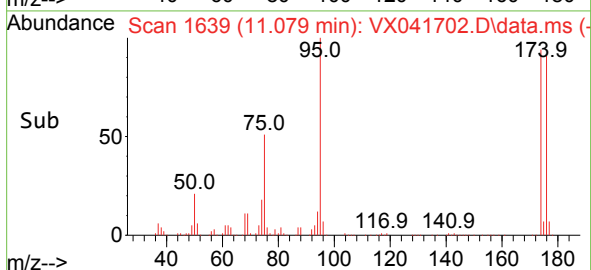
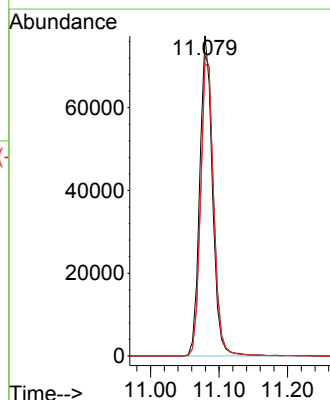
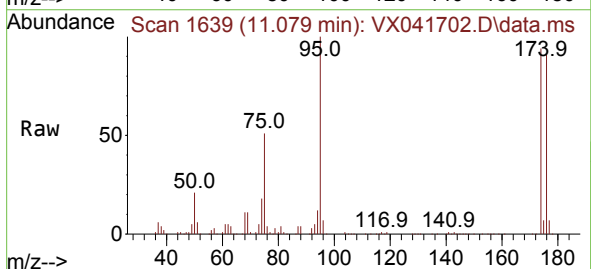
Instrument :
MSVOA_X
ClientSampleId :

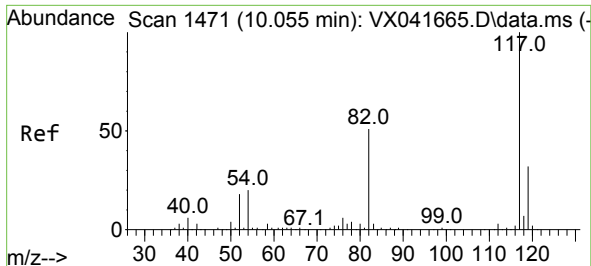
Tgt Ion: 92 Resp: 7375
Ion Ratio Lower Upper
92 100
91 173.2 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 50.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

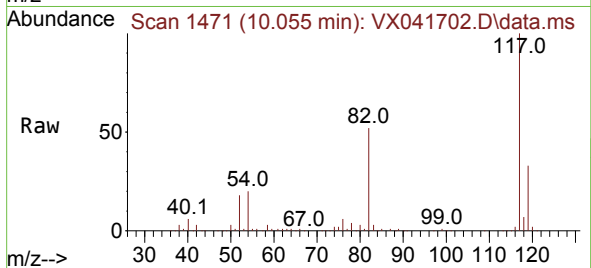
Tgt Ion: 95 Resp: 99672
Ion Ratio Lower Upper
95 100
174 97.0 0.0 135.6
176 95.0 0.0 131.0



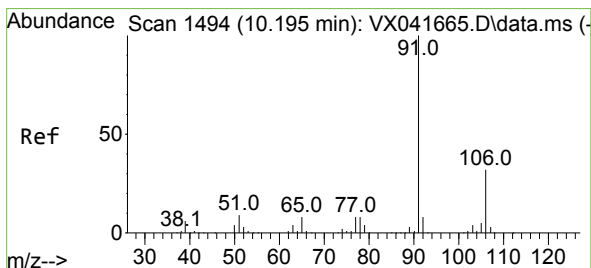
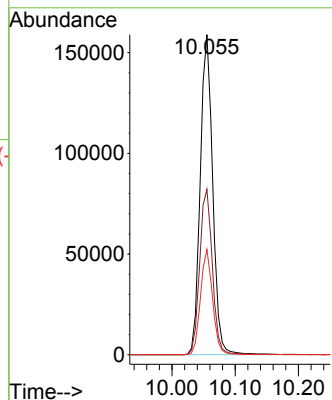
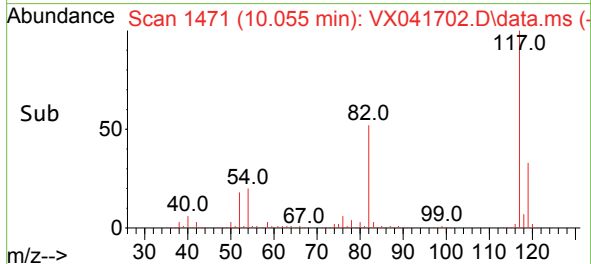


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

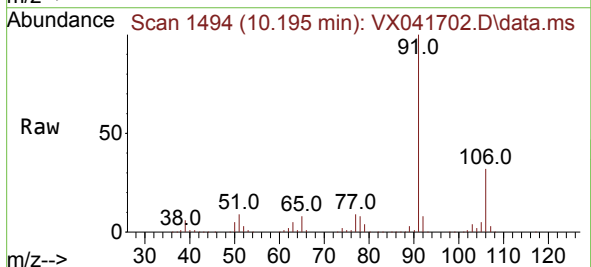
Instrument :
MSVOA_X
ClientSampleId :



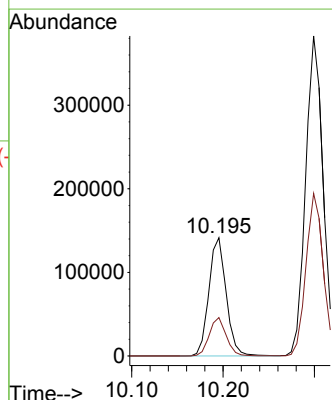
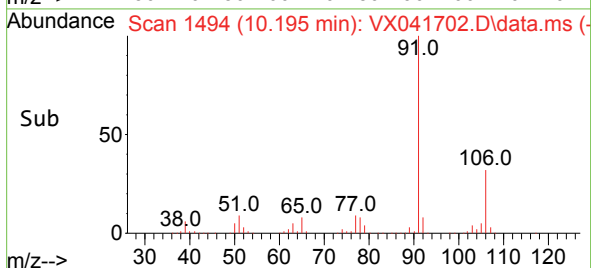
Tgt Ion:117 Resp: 218419
Ion Ratio Lower Upper
117 100
82 51.6 46.2 69.4
119 32.9 25.5 38.3

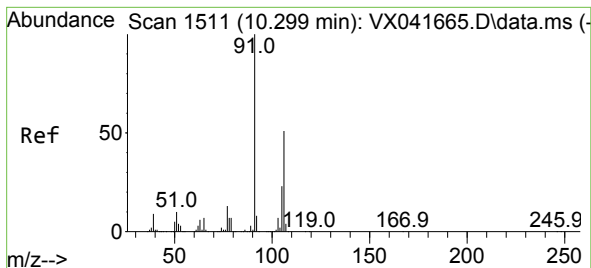


#67
Ethyl Benzene
Concen: 24.988 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20



Tgt Ion: 91 Resp: 186671
Ion Ratio Lower Upper
91 100
106 32.5 24.9 37.3





#68

m/p-Xylenes

Concen: 87.154 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

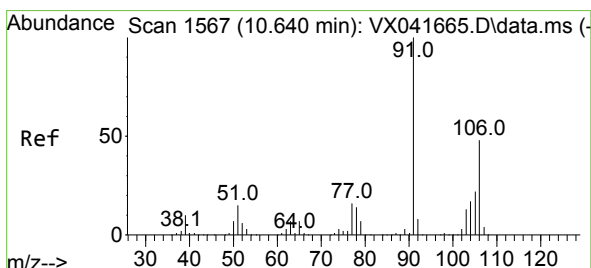
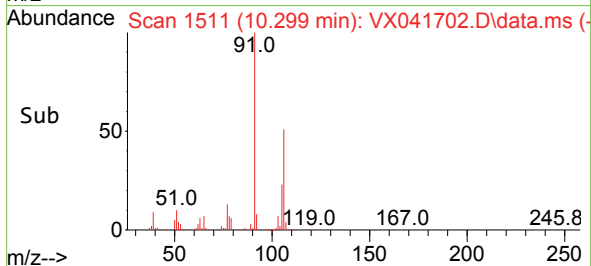
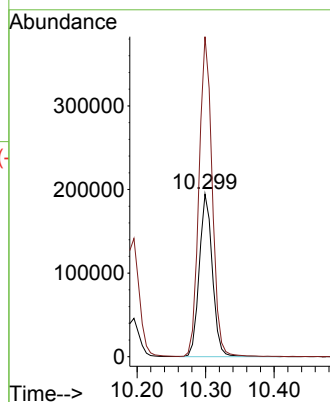
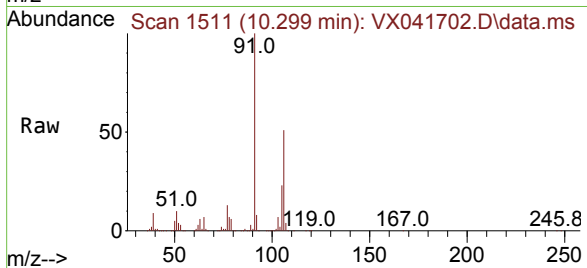
ClientSampleId :

Tgt Ion:106 Resp: 259010

Ion Ratio Lower Upper

106 100

91 197.7 165.5 248.3



#69

o-Xylene

Concen: 44.041 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX041702.D

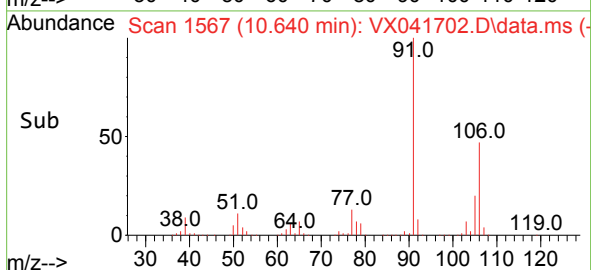
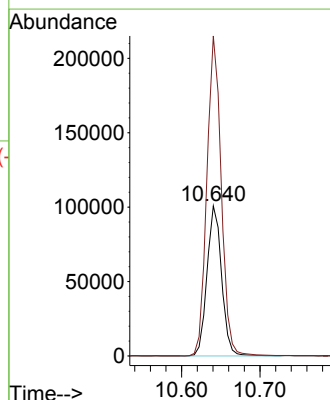
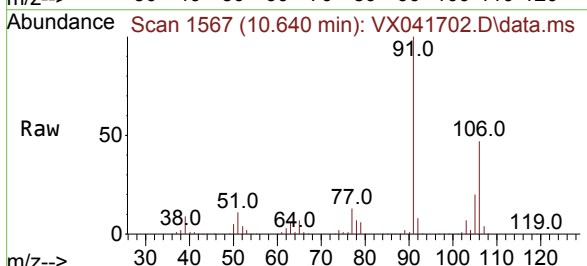
Acq: 03 Jun 2024 14:20

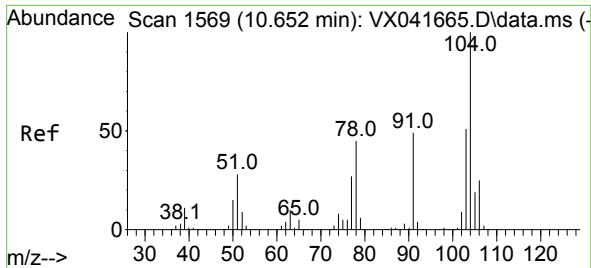
Tgt Ion:106 Resp: 130206

Ion Ratio Lower Upper

106 100

91 210.4 108.9 326.8

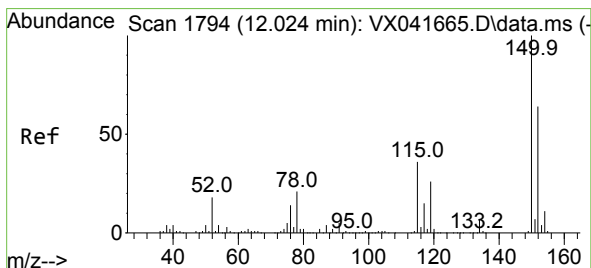
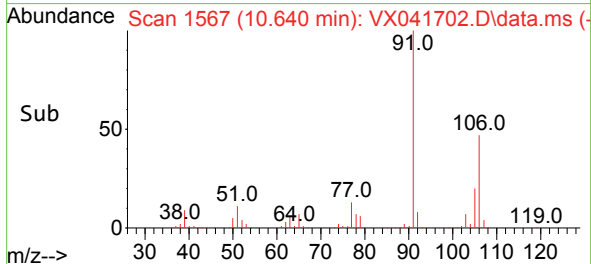
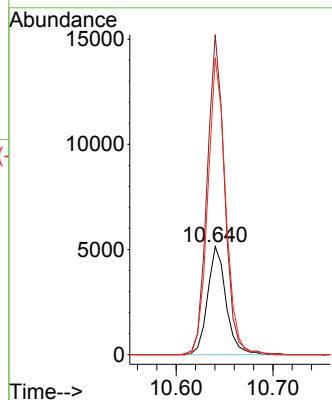
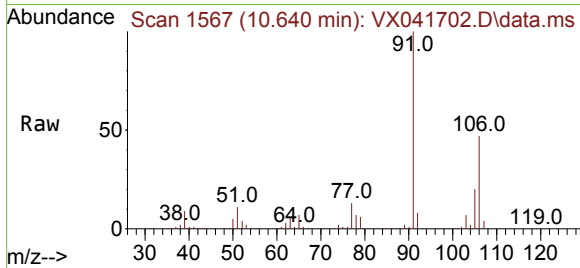




#70
Styrene
Concen: 1.397 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

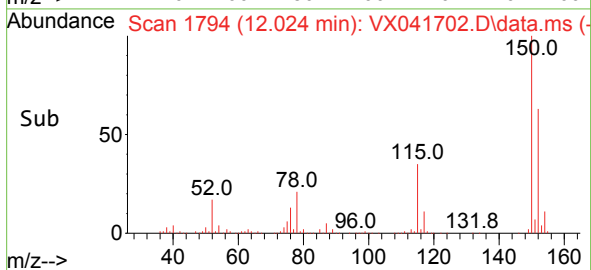
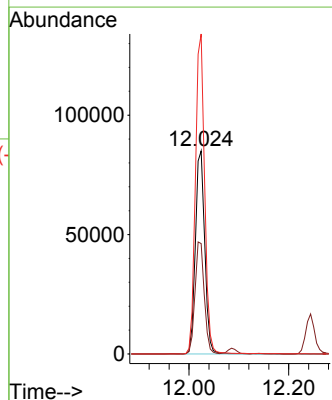
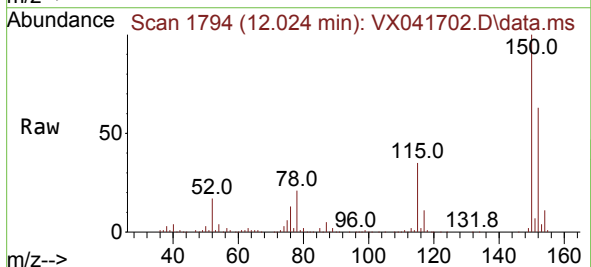
Instrument :
MSVOA_X
ClientSampleId :

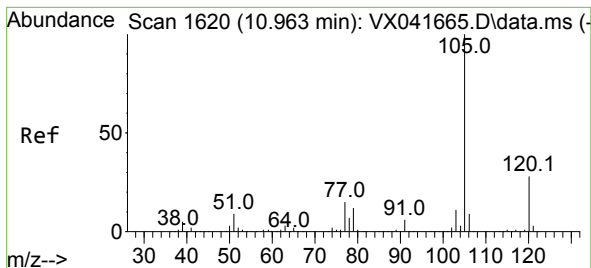
Tgt Ion:104 Resp: 6821
Ion Ratio Lower Upper
104 100
78 280.5 43.6 65.4#
103 266.1 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

Tgt Ion:152 Resp: 110829
Ion Ratio Lower Upper
152 100
115 54.6 43.3 129.9
150 154.6 0.0 345.0





#73

Isopropylbenzene

Concen: 1.512 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

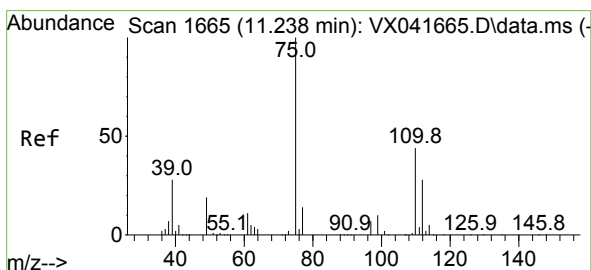
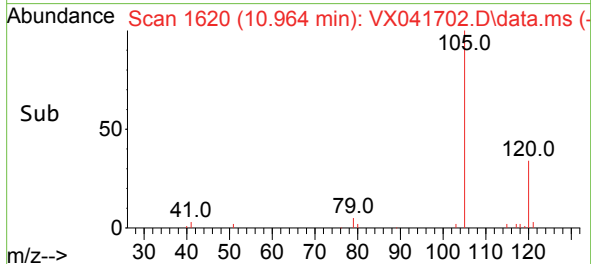
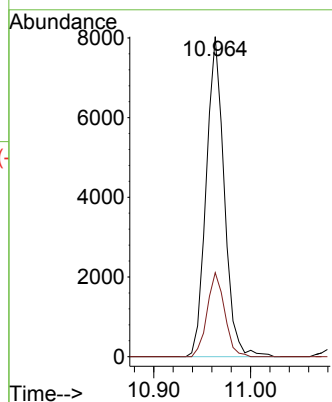
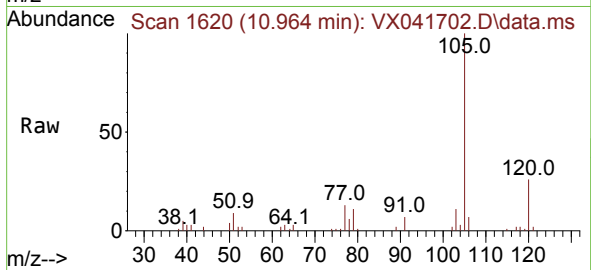
ClientSampleId :

Tgt Ion:105 Resp: 10393

Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.6



#76

1,2,3-Trichloropropane

Concen: 0.814 ug/l

RT: 11.378 min Scan# 1688

Delta R.T. 0.140 min

Lab File: VX041702.D

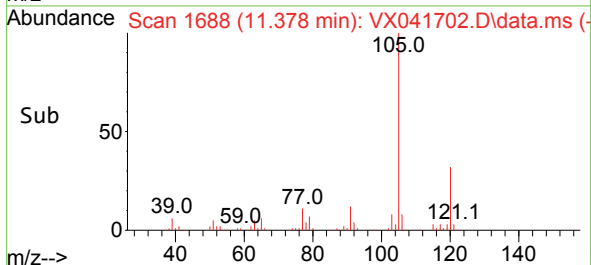
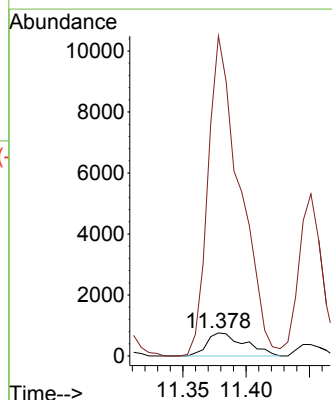
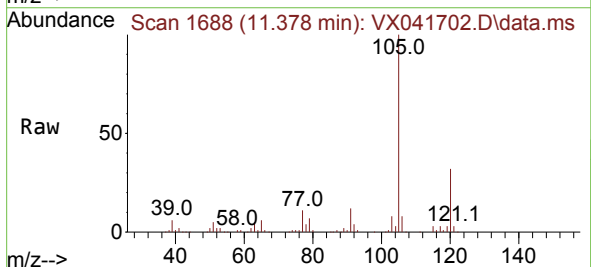
Acq: 03 Jun 2024 14:20

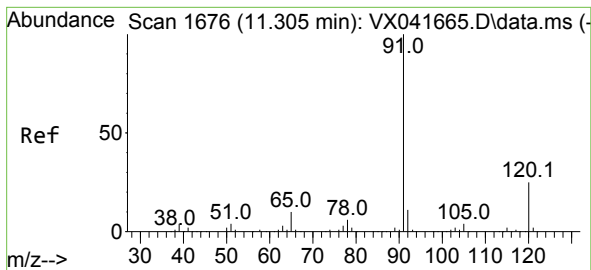
Tgt Ion: 75 Resp: 1575

Ion Ratio Lower Upper

75 100

77 1174.7 19.1 57.5#





#78

n-propylbenzene

Concen: 3.473 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

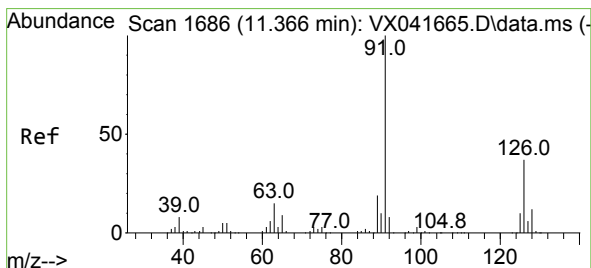
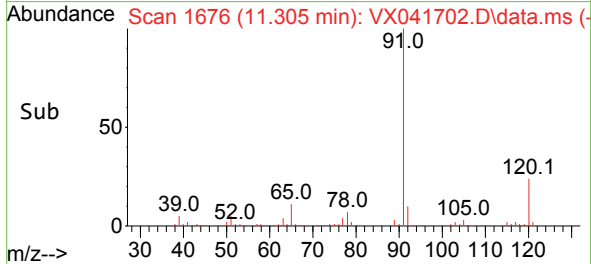
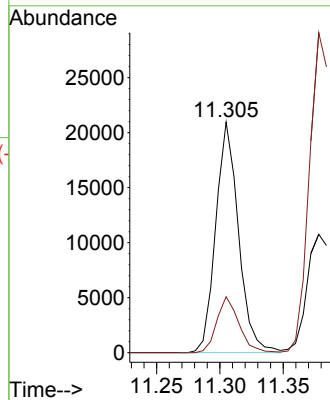
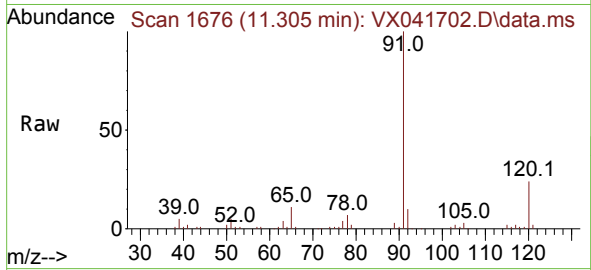
ClientSampleId :

Tgt Ion: 91 Resp: 26218

Ion Ratio Lower Upper

91 100

120 23.7 11.5 34.4



#79

2-Chlorotoluene

Concen: 4.188 ug/l

RT: 11.378 min Scan# 1688

Delta R.T. 0.012 min

Lab File: VX041702.D

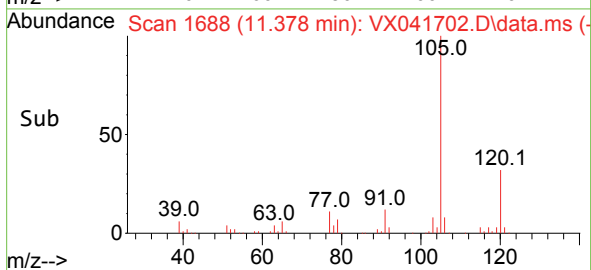
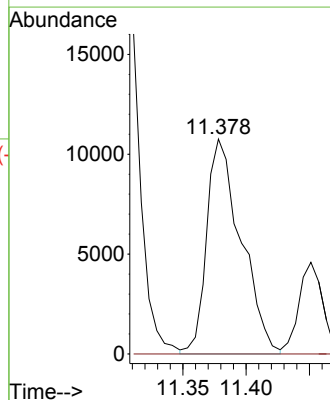
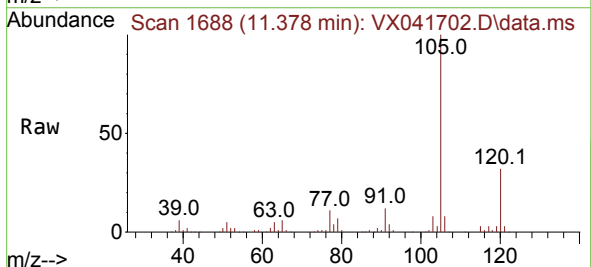
Acq: 03 Jun 2024 14:20

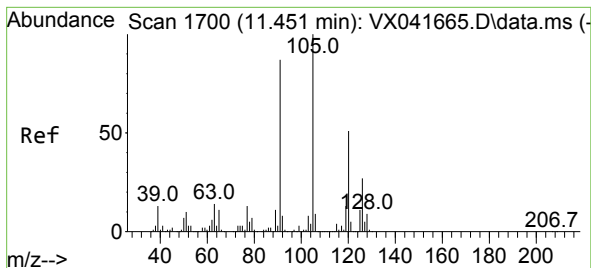
Tgt Ion: 91 Resp: 20320

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 9.196 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

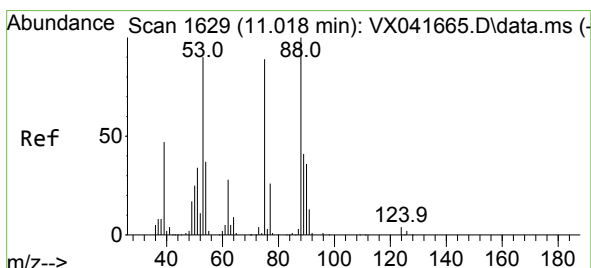
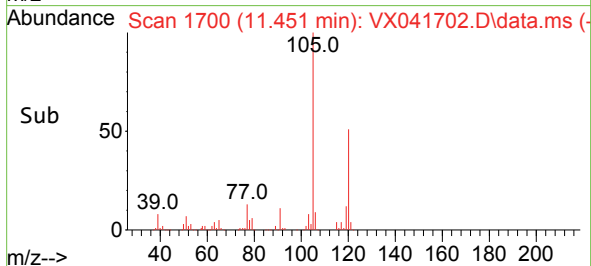
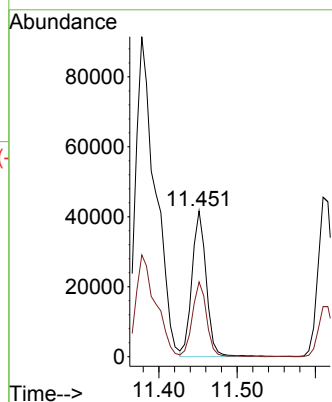
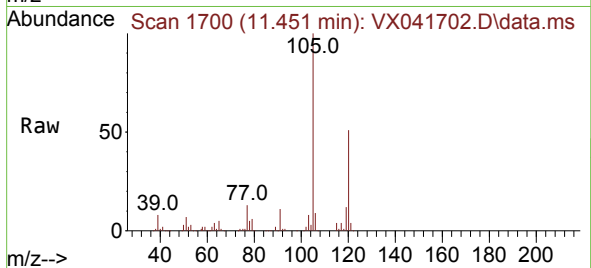
ClientSampleId :

Tgt Ion:105 Resp: 52782

Ion Ratio Lower Upper

105 100

120 50.5 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 71.229 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

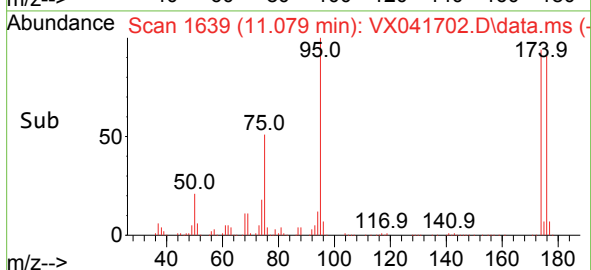
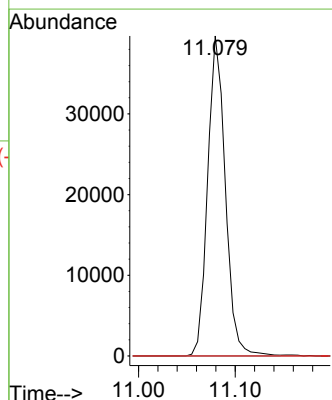
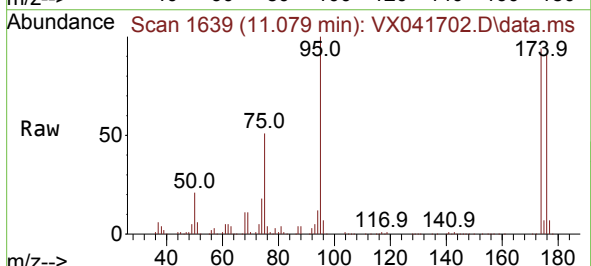
Tgt Ion: 75 Resp: 50537

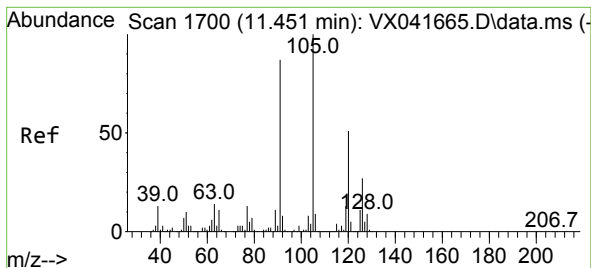
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

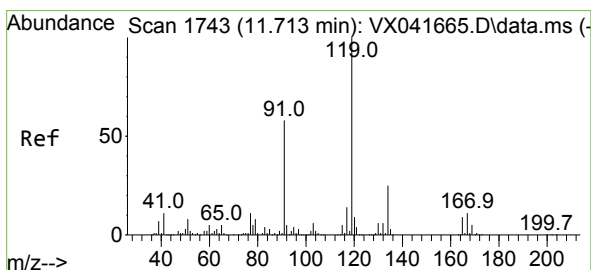
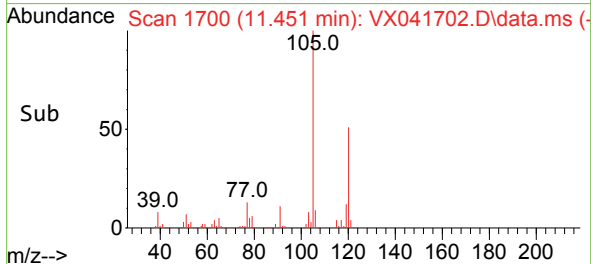
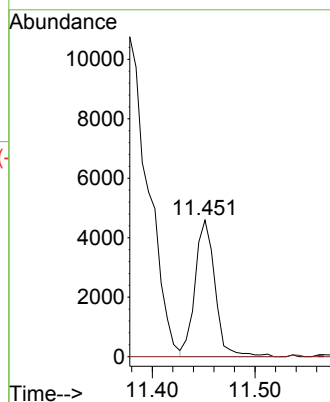
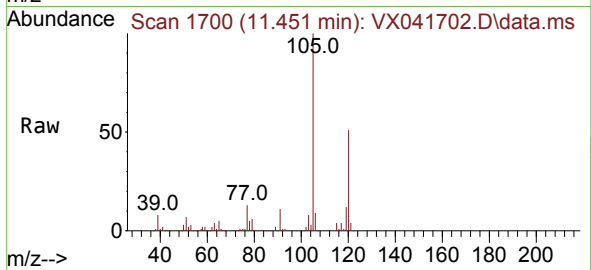




#82
4-Chlorotoluene
Concen: 1.126 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

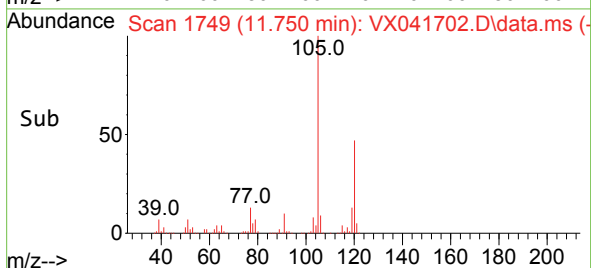
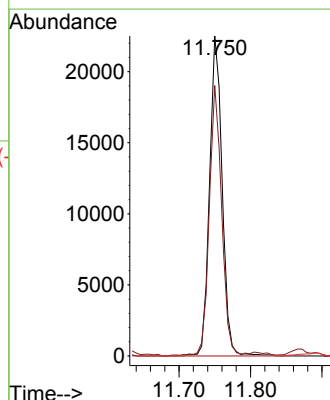
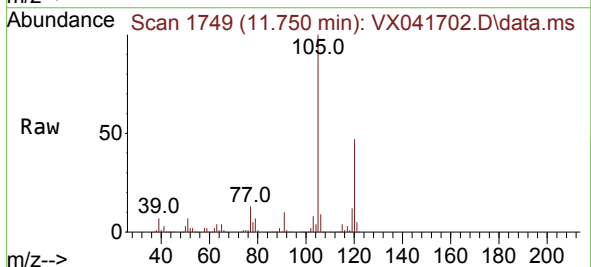
Instrument :
MSVOA_X
ClientSampleId :

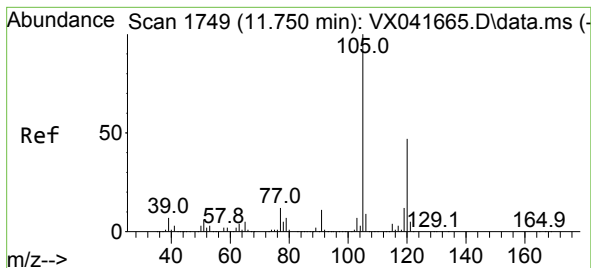
Tgt Ion: 91 Resp: 6217
Ion Ratio Lower Upper
91 100
126 0.0 14.2 42.6#



#83
tert-Butylbenzene
Concen: 4.461 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.037 min
Lab File: VX041702.D
Acq: 03 Jun 2024 14:20

Tgt Ion: 119 Resp: 27584
Ion Ratio Lower Upper
119 100
91 83.3 31.2 93.6
134 0.0 11.7 35.0#





#84

1,2,4-Trimethylbenzene

Concen: 37.399 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

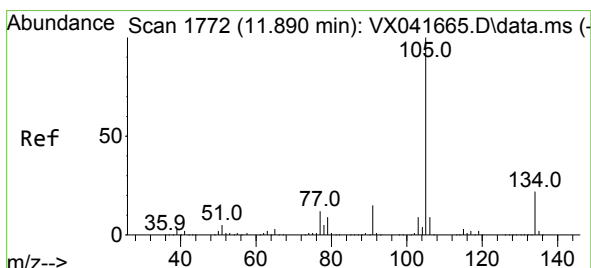
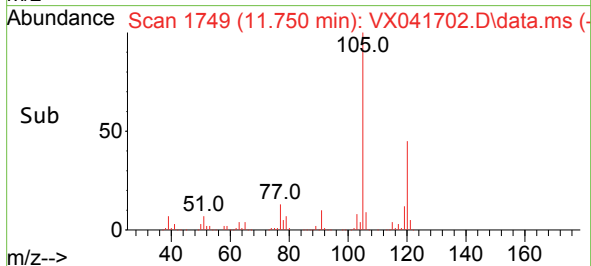
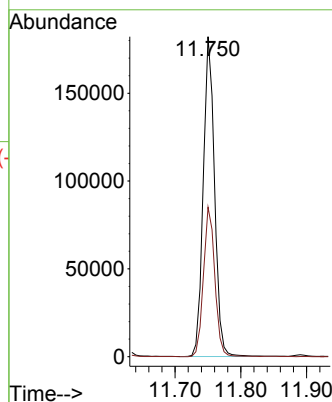
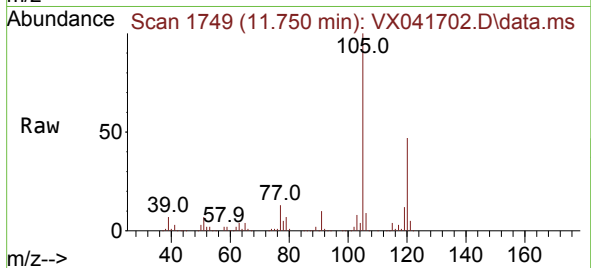
ClientSampleId :

Tgt Ion:105 Resp: 217496

Ion Ratio Lower Upper

105 100

120 47.2 21.2 63.6



#85

sec-Butylbenzene

Concen: 30.683 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX041702.D

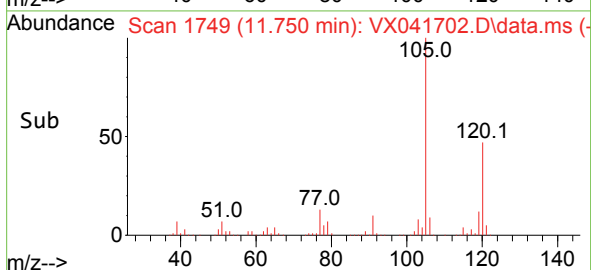
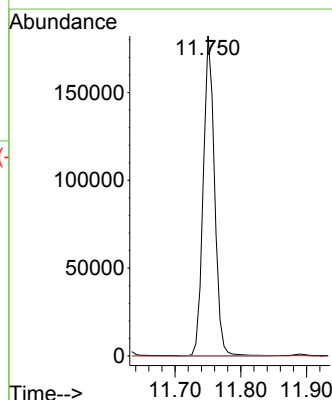
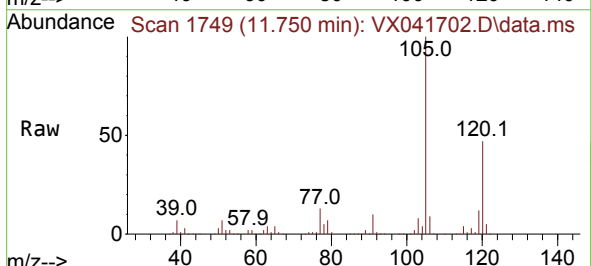
Acq: 03 Jun 2024 14:20

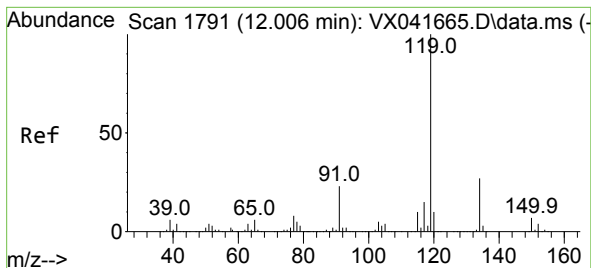
Tgt Ion:105 Resp: 217496

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#





#86

p-Isopropyltoluene

Concen: 0.358 ug/l

RT: 11.969 min Scan# 11

Delta R.T. -0.036 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

ClientSampleId :

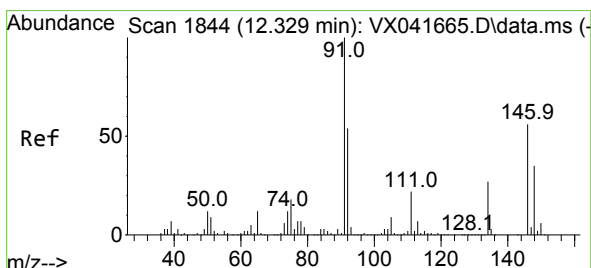
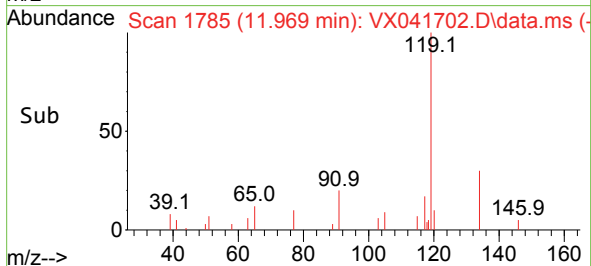
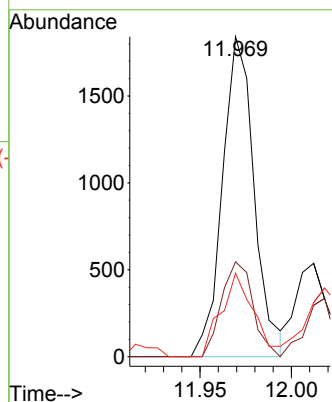
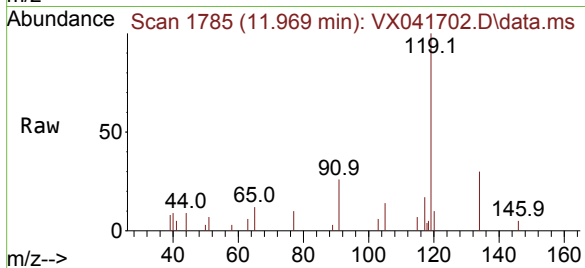
Tgt Ion:119 Resp: 2223

Ion Ratio Lower Upper

119 100

134 29.3 12.8 38.3

91 0.0 13.1 39.3#



#89

n-Butylbenzene

Concen: 0.669 ug/l

RT: 12.323 min Scan# 1843

Delta R.T. -0.006 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

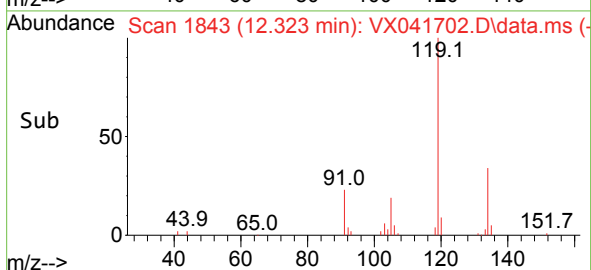
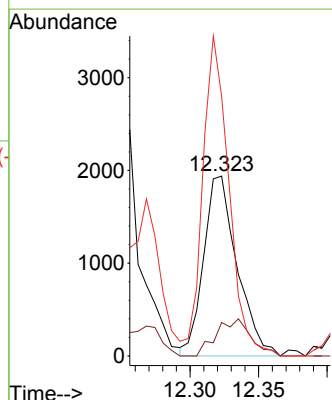
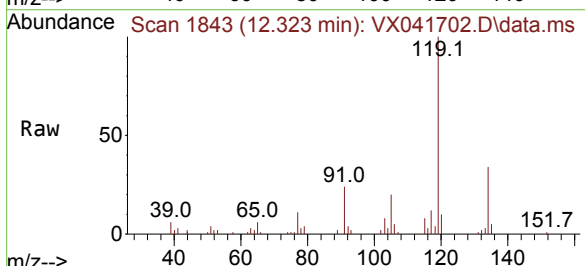
Tgt Ion: 91 Resp: 3294

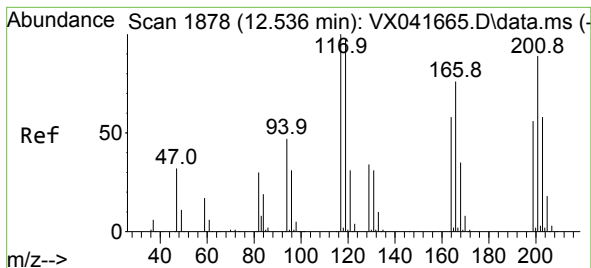
Ion Ratio Lower Upper

91 100

92 21.3 27.4 82.0#

134 138.9 12.6 37.8#





#90

Hexachloroethane

Concen: 1.300 ug/l

RT: 12.610 min Scan# 1878

Delta R.T. 0.073 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Instrument :

MSVOA_X

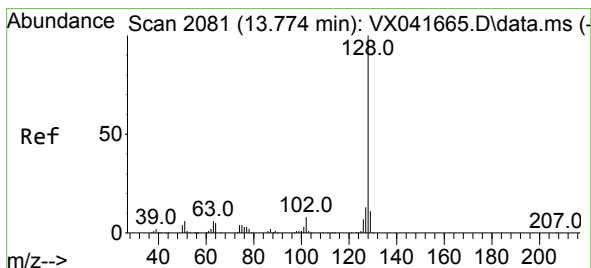
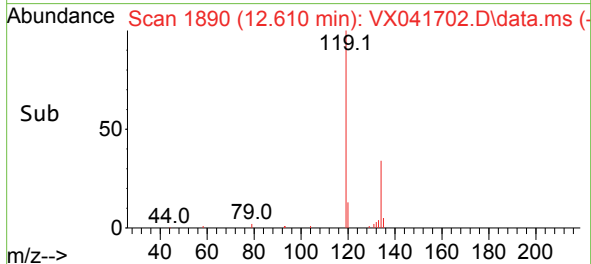
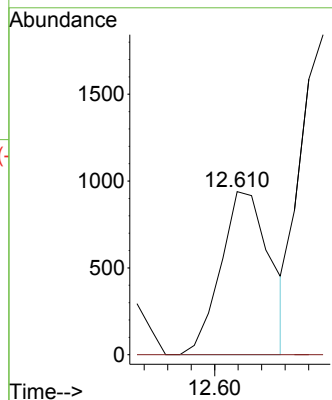
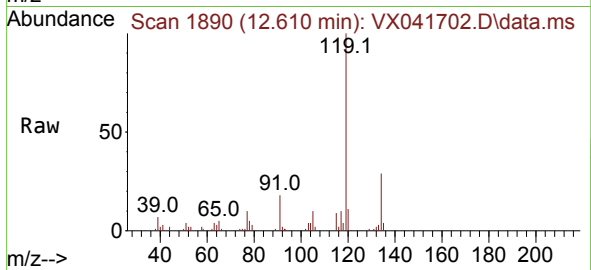
ClientSampleId :

Tgt Ion:117 Resp: 1375

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#95

Naphthalene

Concen: 10.627 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX041702.D

Acq: 03 Jun 2024 14:20

Tgt Ion:128 Resp: 76297

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.0 8.8 13.2

