

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043024\
 Data File : VX041306.D
 Acq On : 30 Apr 2024 17:49
 Operator : JC/MD
 Sample : P2284-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 01 02:49:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

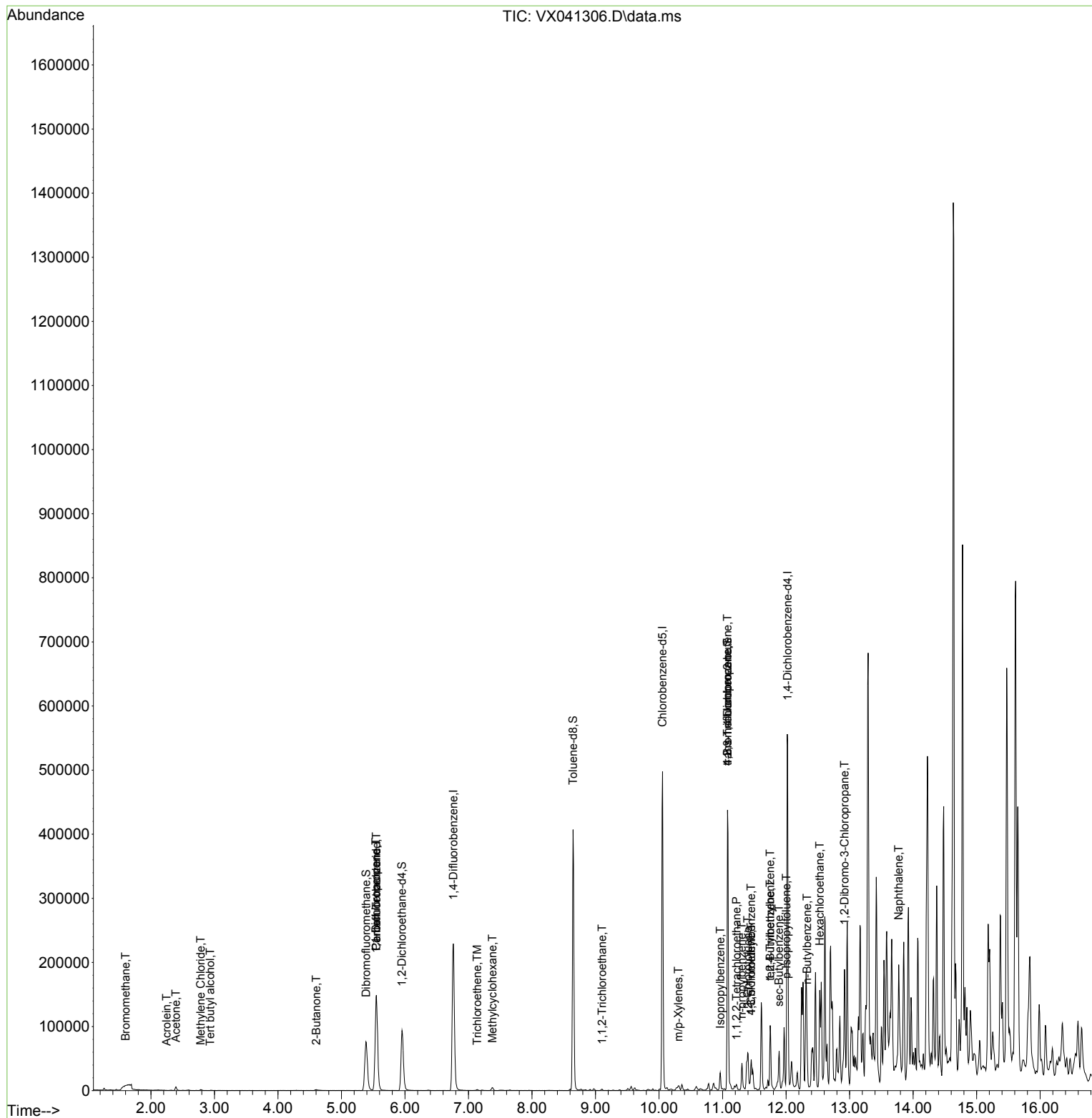
Internal Standards						
1) Pentafluorobenzene	5.550	168	152613	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	251823	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93472	56.261	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.520%			
35) Dibromofluoromethane	5.385	113	66247	38.820	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 77.640%			
50) Toluene-d8	8.647	98	236173	43.725	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 87.460%#			
62) 4-Bromofluorobenzene	11.079	95	109875	52.550	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.100%			
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	214	0.276	ug/l	# 58
11) Tert butyl alcohol	2.934	59	184	0.553	ug/l	# 78
13) Acrolein	2.245	56	62	0.235	ug/l	# 14
16) Acetone	2.392	43	6238	4.688	ug/l	98
20) Methylene Chloride	2.782	84	812	0.563	ug/l	# 83
25) 2-Butanone	4.605	43	3516	3.270	ug/l	98
36) 1,1-Dichloropropene	5.543	75	9624	4.716	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	13266	5.675	ug/l	# 14
39) Methylcyclohexane	7.378	83	1937	0.808	ug/l	91
44) Trichloroethene	7.135	130	578	0.348	ug/l	96
55) 1,1,2-Trichloroethane	9.104	97	868	0.586	ug/l	# 17
68) m/p-Xylenes	10.305	106	1300	0.407	ug/l	100
73) Isopropylbenzene	10.963	105	14425	1.866	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.219	83	579	0.229	ug/l	# 26
76) 1,2,3-Trichloropropane	11.079	75	54233	26.280	ug/l	# 39
78) n-propylbenzene	11.305	91	25056	3.086	ug/l	95
79) 2-Chlorotoluene	11.396	91	5996	1.146	ug/l	# 42
80) 1,3,5-Trimethylbenzene	11.451	105	20440	3.244	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	54233	71.584	ug/l	# 5
82) 4-Chlorotoluene	11.451	91	2533	0.426	ug/l	# 49
83) tert-Butylbenzene	11.750	119	5388	0.799	ug/l	# 68
84) 1,2,4-Trimethylbenzene	11.750	105	42845	6.758	ug/l	94
85) sec-Butylbenzene	11.890	105	28516	3.688	ug/l	87
86) p-Isopropyltoluene	12.006	119	9936	1.431	ug/l	98
89) n-Butylbenzene	12.329	91	29252	5.238	ug/l	# 33
90) Hexachloroethane	12.530	117	6324	5.445	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	12.920	75	582	0.994	ug/l	# 9
95) Naphthalene	13.774	128	111480	12.849	ug/l	97

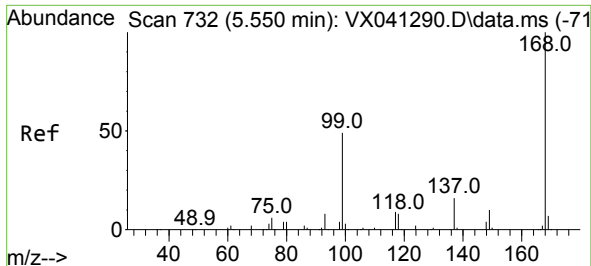
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

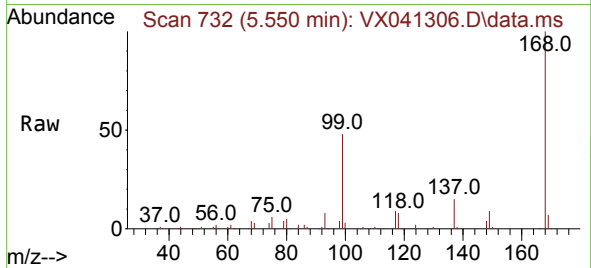
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Instrument :

MSVOA_X

ClientSampleId :

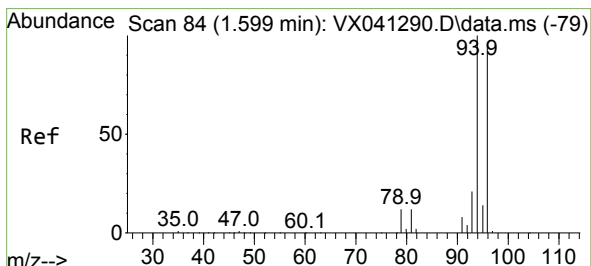
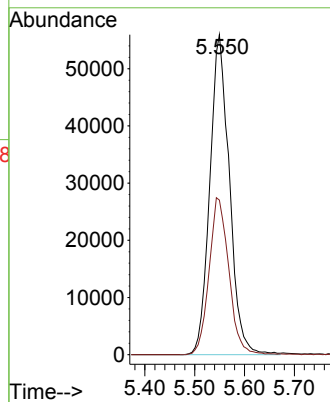
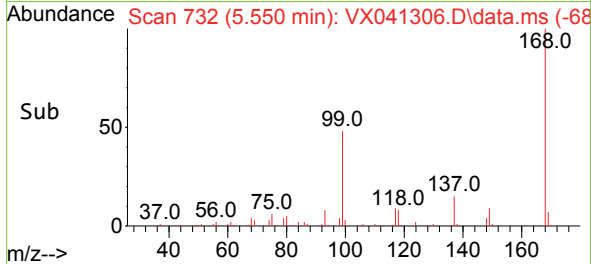


Tgt Ion:168 Resp: 152613

Ion Ratio Lower Upper

168 100

99 48.3 56.6 85.0#



#5

Bromomethane

Concen: 0.276 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041306.D

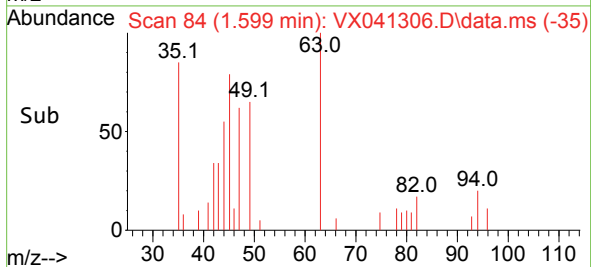
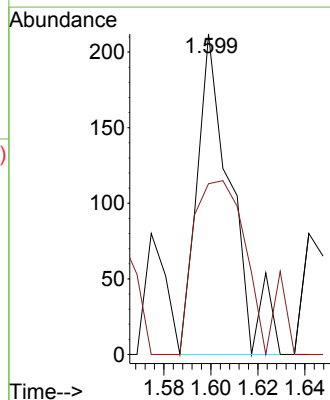
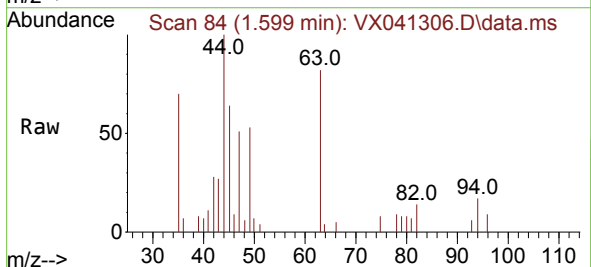
Acq: 30 Apr 2024 17:49

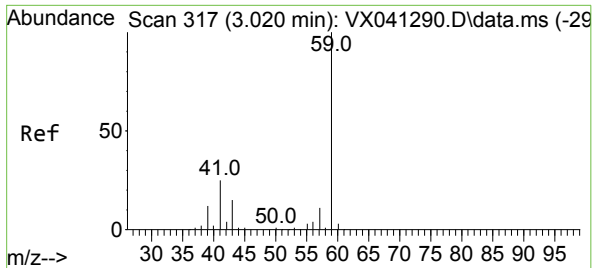
Tgt Ion: 94 Resp: 214

Ion Ratio Lower Upper

94 100

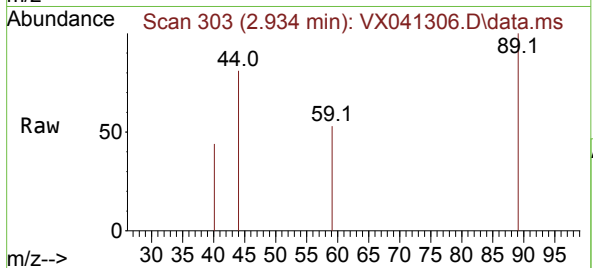
96 53.3 74.6 111.8#



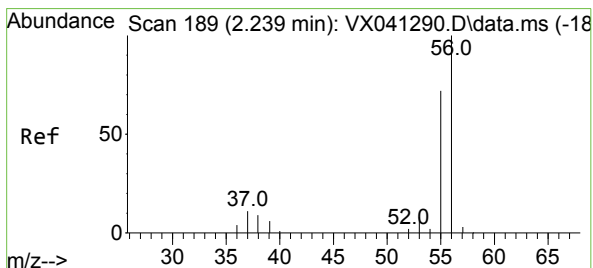
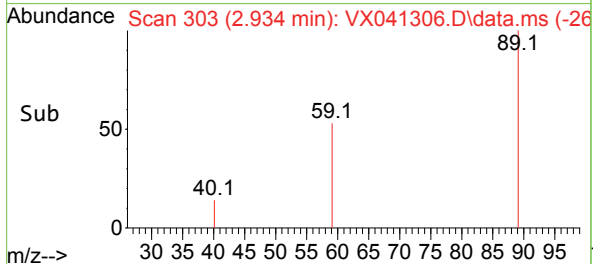
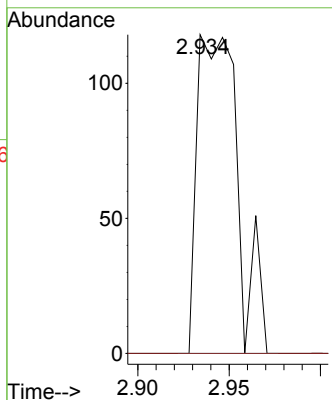


#11
Tert butyl alcohol
Concen: 0.553 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.086 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Instrument :
MSVOA_X
ClientSampleId :

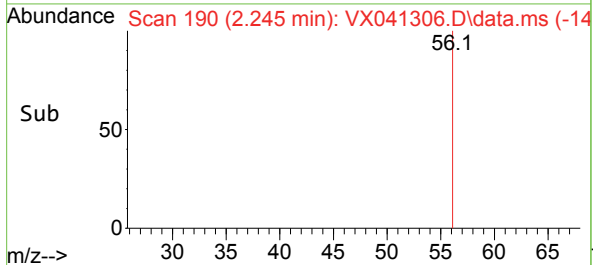
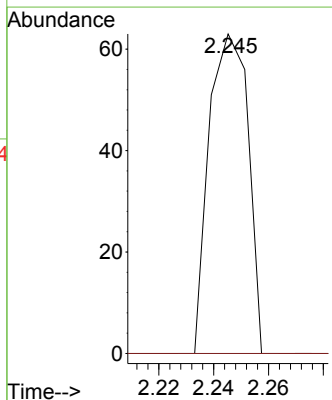
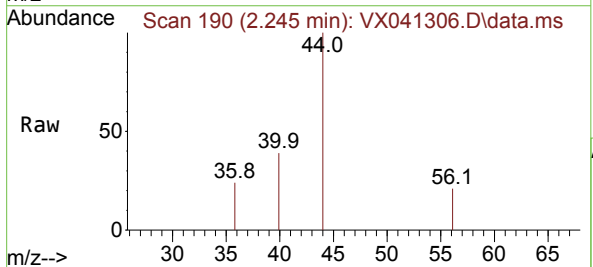


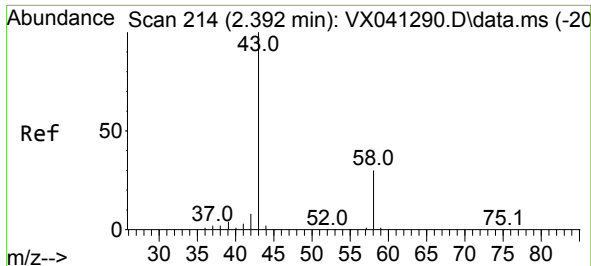
Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.235 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

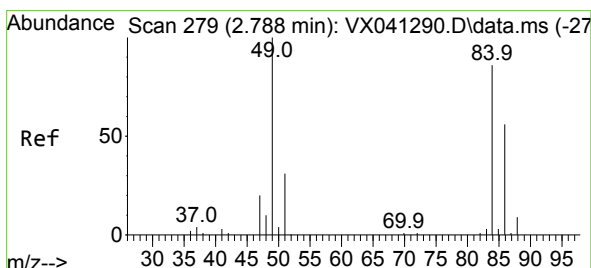
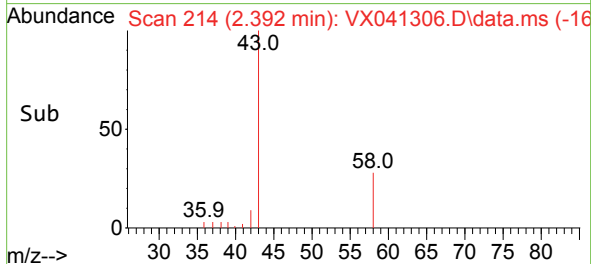
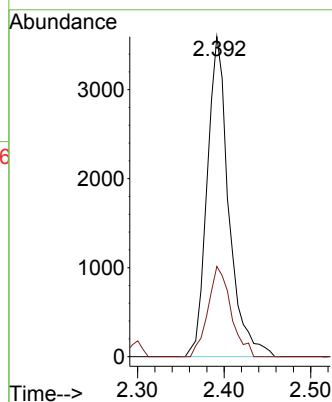
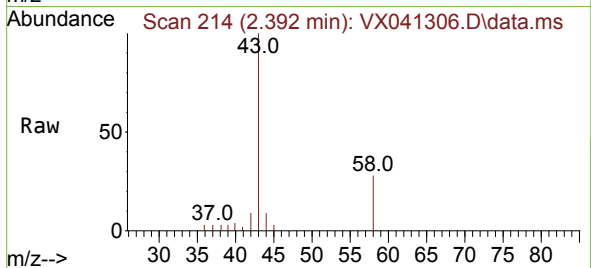




#16
Acetone
Concen: 4.688 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

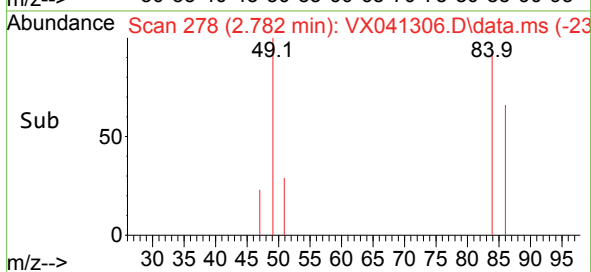
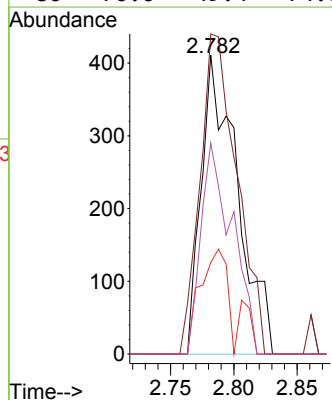
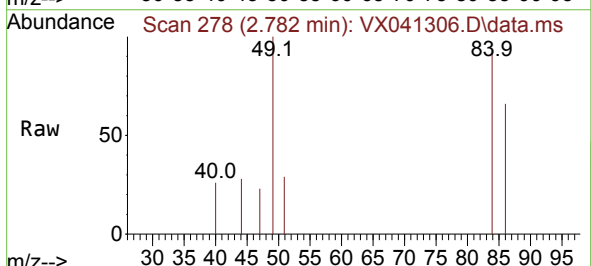
Instrument :
MSVOA_X
ClientSampleId :

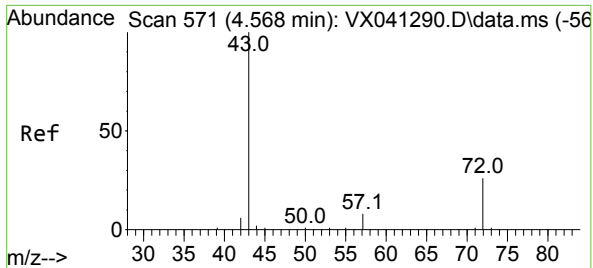
Tgt Ion: 43 Resp: 6238
Ion Ratio Lower Upper
43 100
58 28.2 21.9 32.9



#20
Methylene Chloride
Concen: 0.563 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Tgt Ion: 84 Resp: 812
Ion Ratio Lower Upper
84 100
49 107.1 103.6 155.4
51 30.7 33.8 50.6#
86 70.6 49.4 74.0

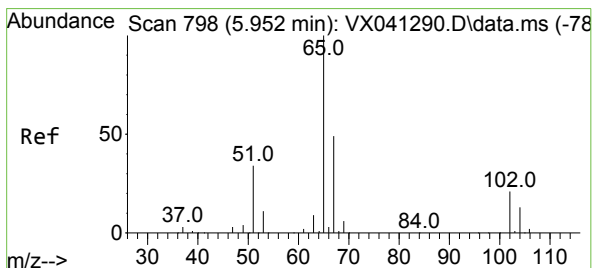
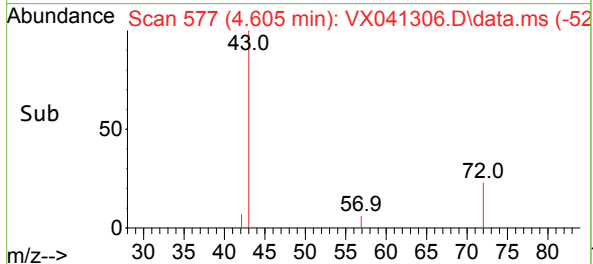
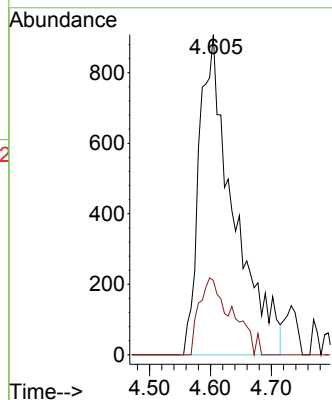
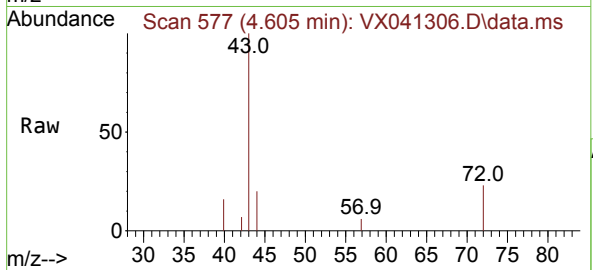




#25
2-Butanone
Concen: 3.270 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

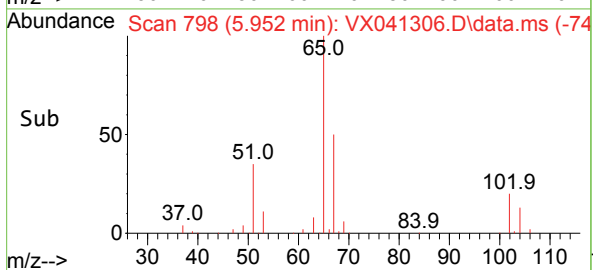
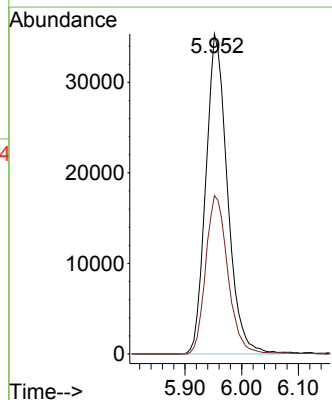
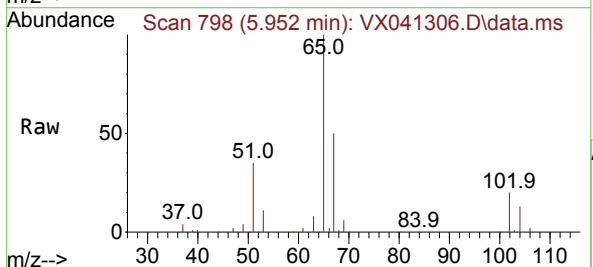
Instrument :
MSVOA_X
ClientSampleId :

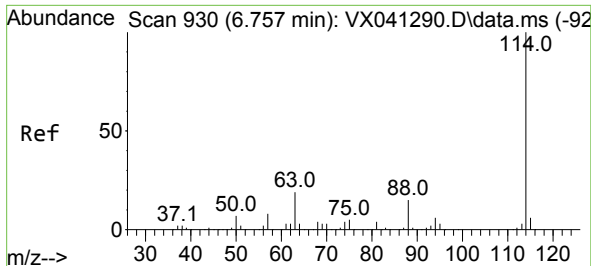
Tgt Ion: 43 Resp: 3516
Ion Ratio Lower Upper
43 100
72 23.2 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 56.261 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Tgt Ion: 65 Resp: 93472
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2

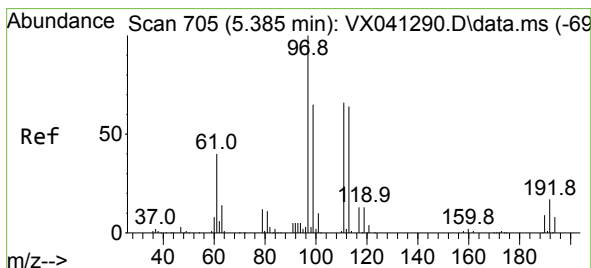
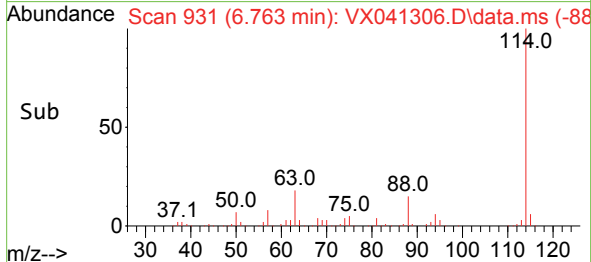
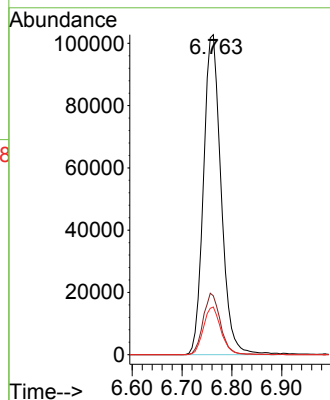
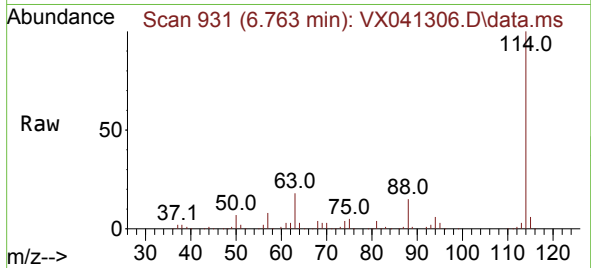




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041306.D
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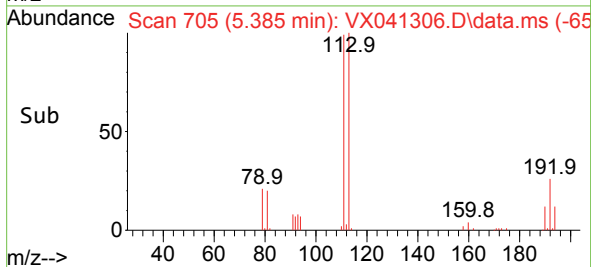
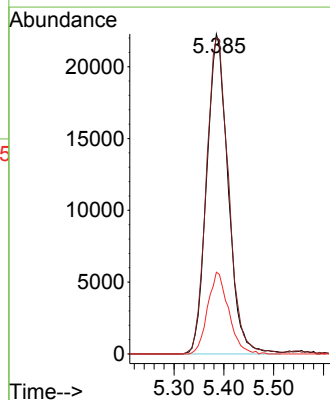
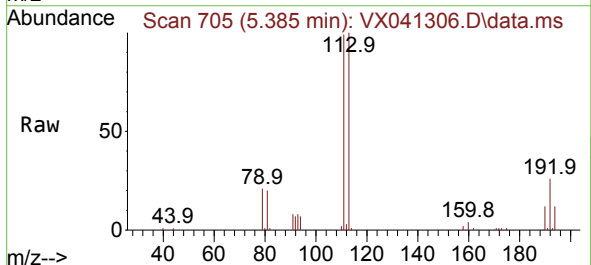
Instrument :
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ClientSampleId :

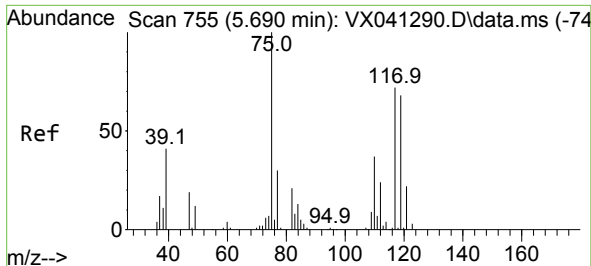
Tgt Ion:114 Resp: 251823
Ion Ratio Lower Upper
114 100
63 18.4 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 38.820 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Tgt Ion:113 Resp: 66247
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 25.1 13.3 19.9#

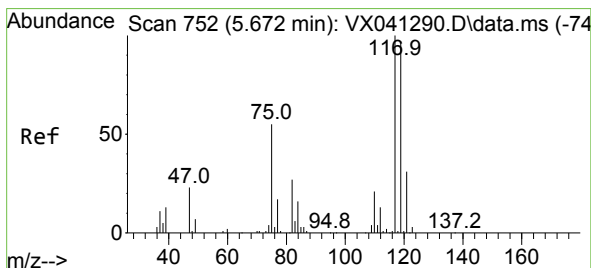
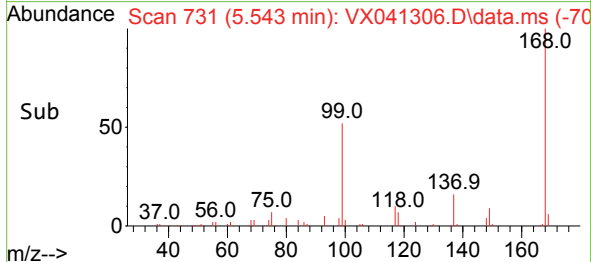
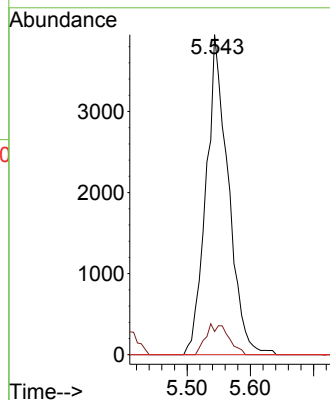
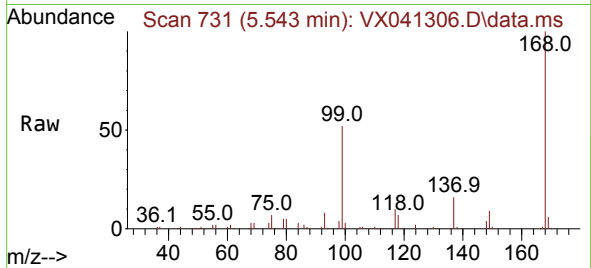




#36
1,1-Dichloropropene
Concen: 4.716 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

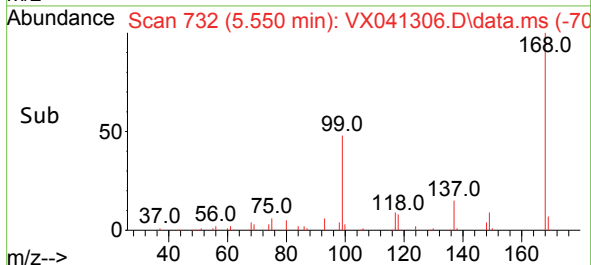
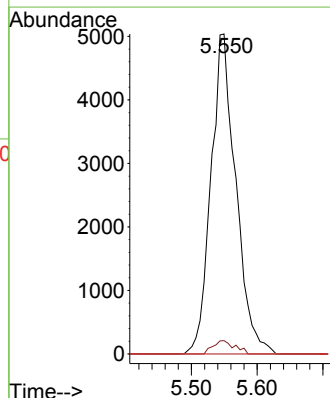
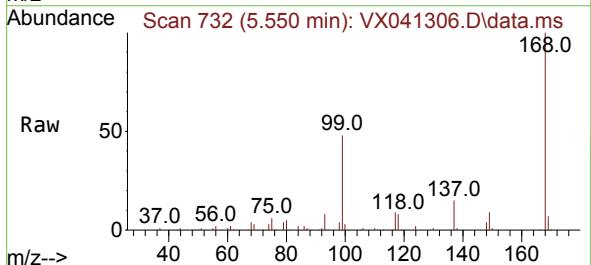
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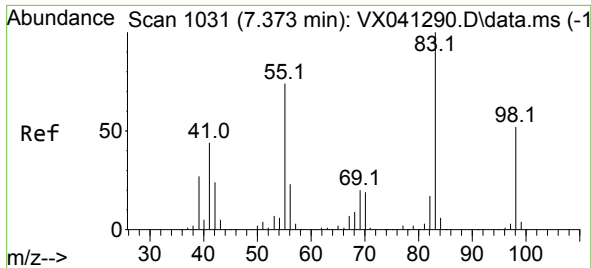
Tgt Ion: 75 Resp: 9624
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.675 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Tgt Ion: 117 Resp: 13266
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#

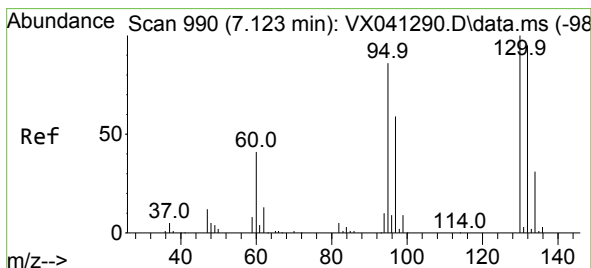
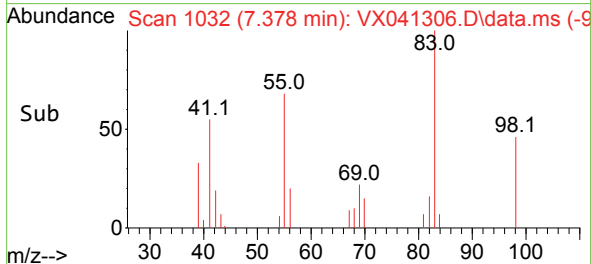
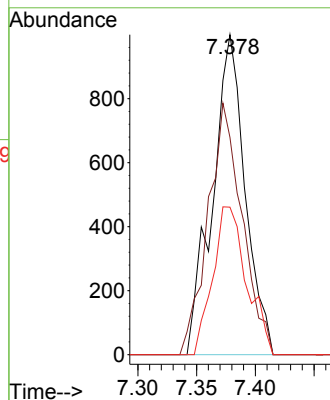
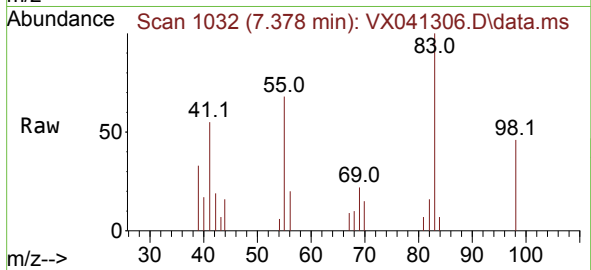




#39
Methylcyclohexane
Concen: 0.808 ug/l
RT: 7.378 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

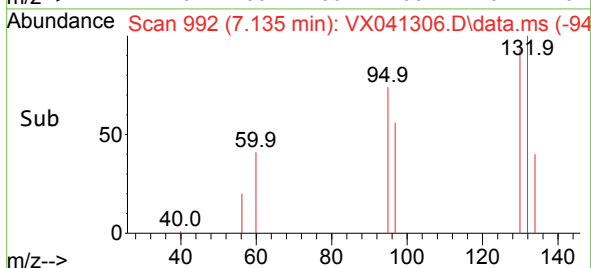
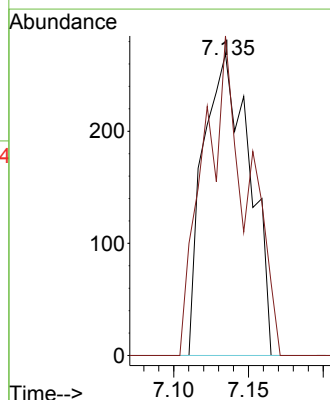
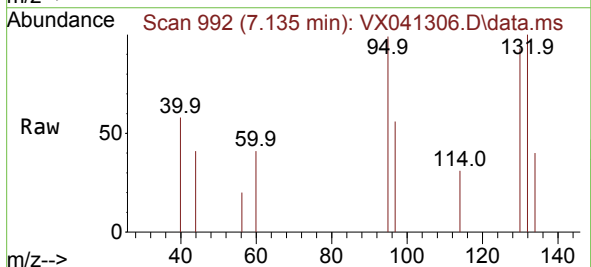
Instrument :
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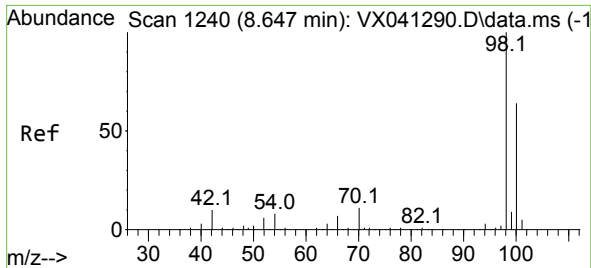
Tgt Ion: 83 Resp: 1937
Ion Ratio Lower Upper
83 100
55 67.9 64.6 97.0
98 46.1 36.7 55.1



#44
Trichloroethene
Concen: 0.348 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

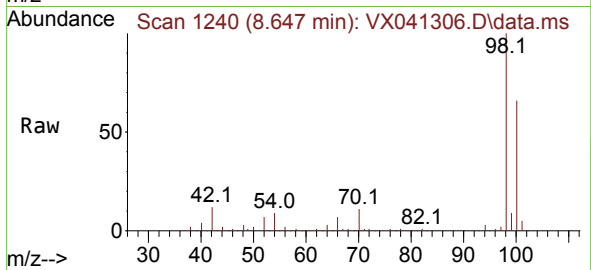
Tgt Ion:130 Resp: 578
Ion Ratio Lower Upper
130 100
95 105.9 0.0 204.4



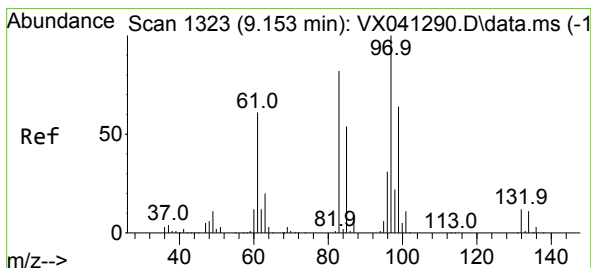
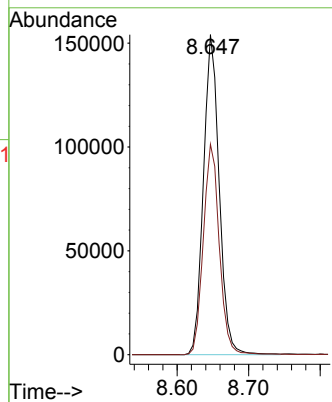
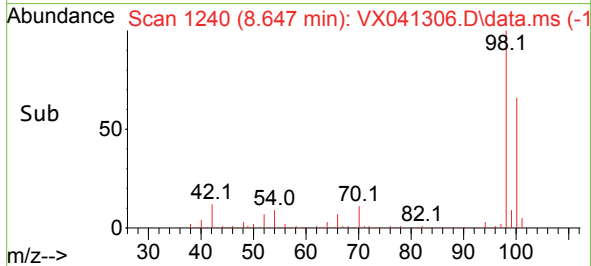


#50
Toluene-d8
Concen: 43.725 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

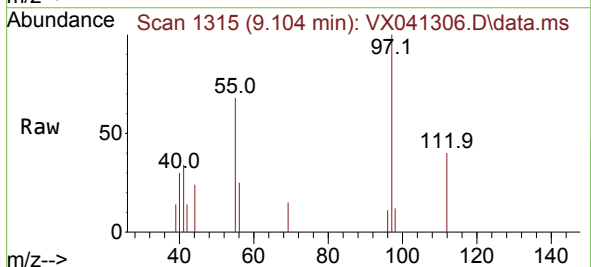
Instrument :
MSVOA_X
ClientSampleId :



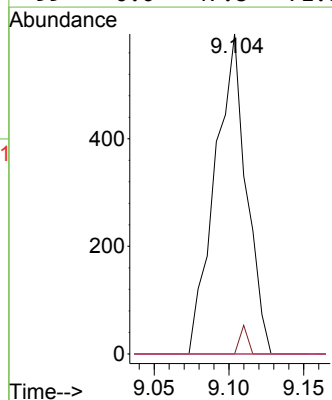
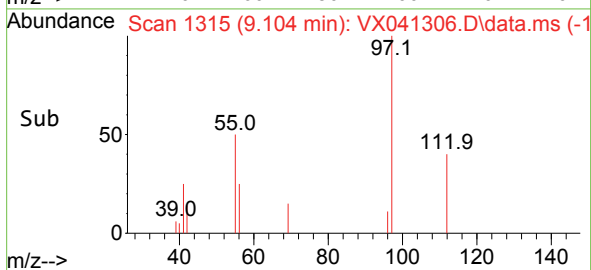
Tgt Ion: 98 Resp: 236173
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7

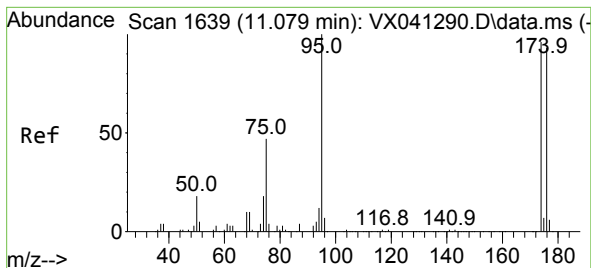


#55
1,1,2-Trichloroethane
Concen: 0.586 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49



Tgt Ion: 97 Resp: 868
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#

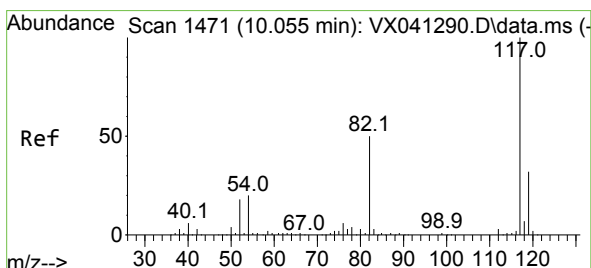
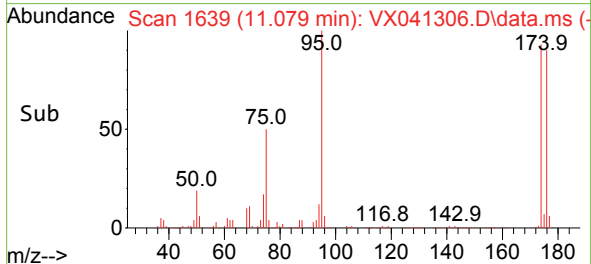
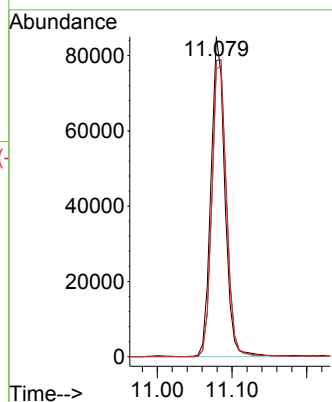
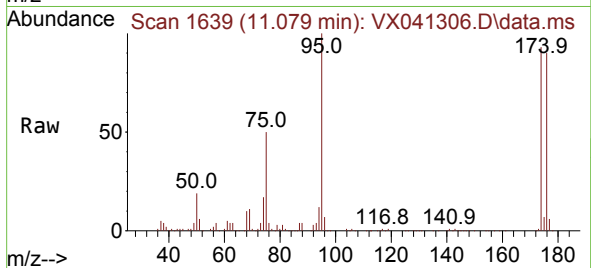




#62
4-Bromofluorobenzene
Concen: 52.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

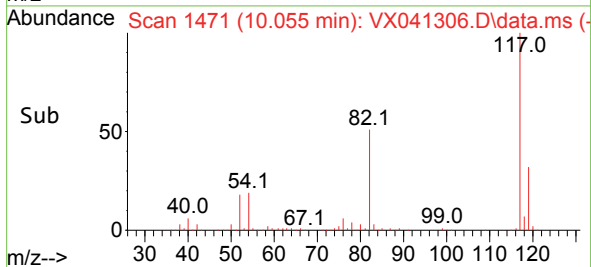
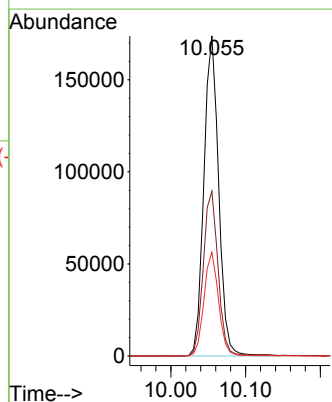
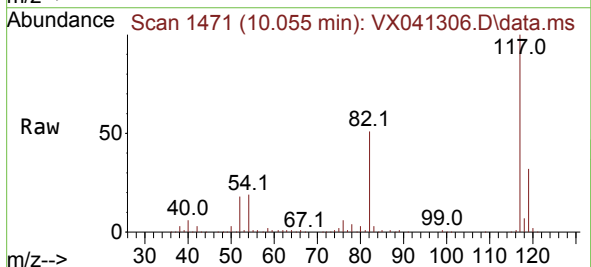
Instrument :
MSVOA_X
ClientSampleId :

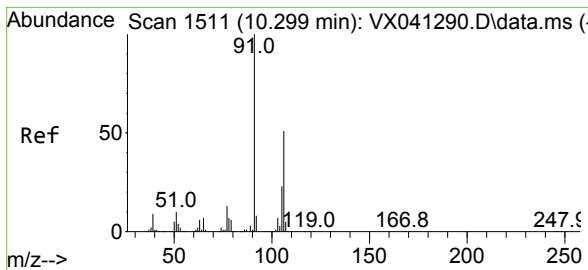
Tgt Ion: 95 Resp: 109875
Ion Ratio Lower Upper
95 100
174 97.9 0.0 135.6
176 95.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Tgt Ion: 117 Resp: 237867
Ion Ratio Lower Upper
117 100
82 51.4 46.2 69.4
119 32.4 25.5 38.3

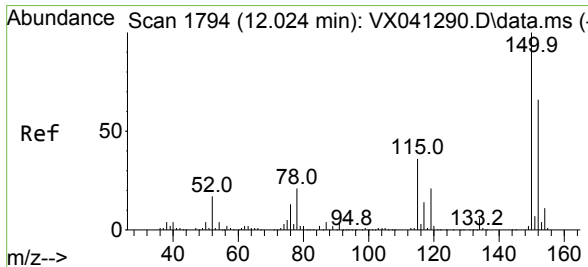
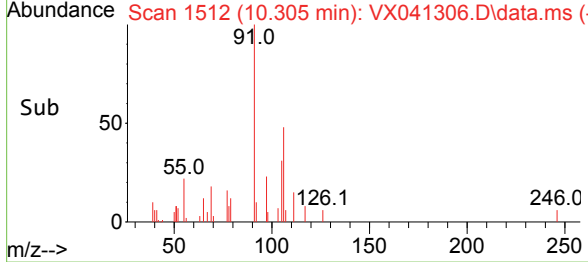
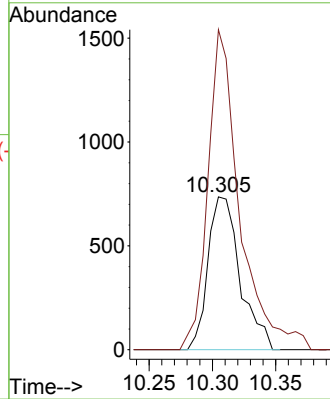
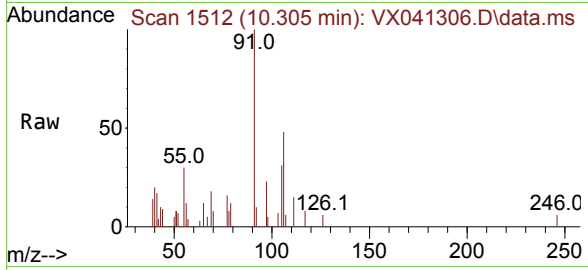




#68
m/p-Xylenes
Concen: 0.407 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

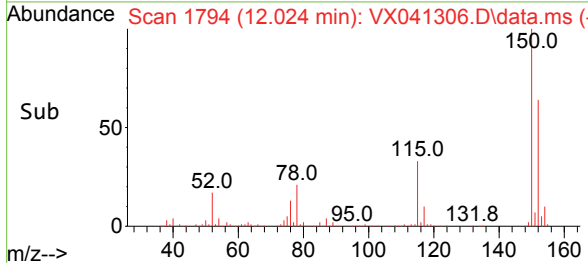
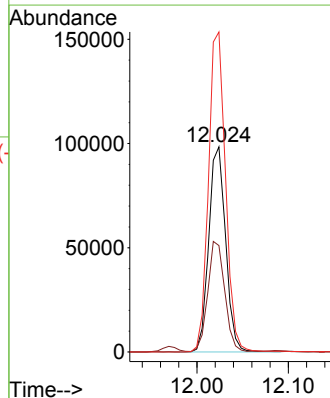
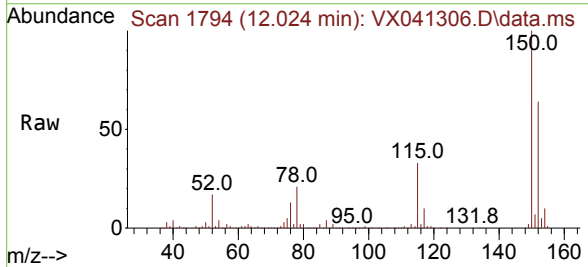
Instrument :
MSVOA_X
ClientSampleId :

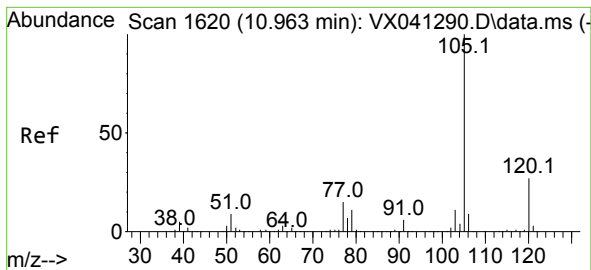
Tgt Ion:106 Resp: 1300
Ion Ratio Lower Upper
106 100
91 207.4 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Tgt Ion:152 Resp: 126628
Ion Ratio Lower Upper
152 100
115 53.7 43.3 129.9
150 157.5 0.0 345.0





#73

Isopropylbenzene

Concen: 1.866 ug/l

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041306.D

Acq: 30 Apr 2024 17:49

Instrument :

MSVOA_X

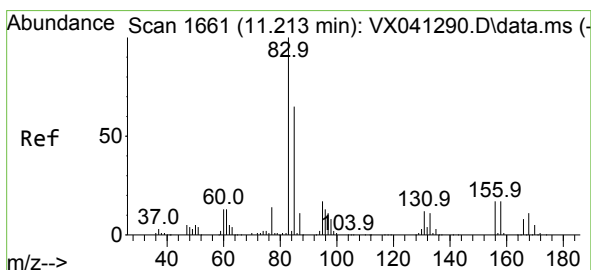
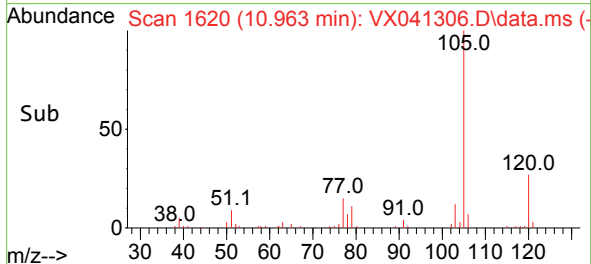
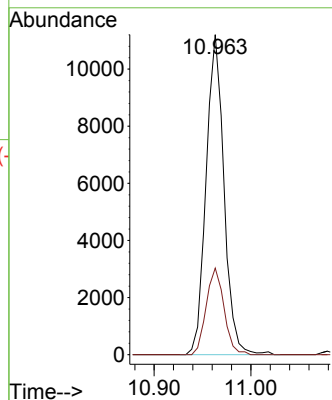
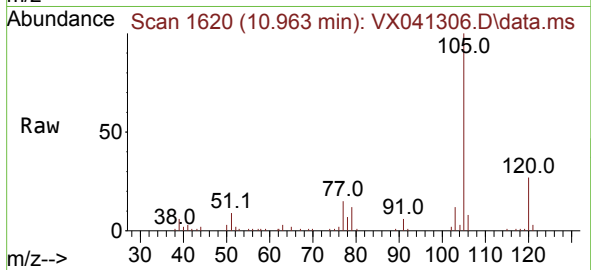
ClientSampleId :

Tgt Ion:105 Resp: 14425

Ion Ratio Lower Upper

105 100

120 26.9 12.9 38.6



#75

1,1,2,2-Tetrachloroethane

Concen: 0.229 ug/l

RT: 11.219 min Scan# 1662

Delta R.T. 0.006 min

Lab File: VX041306.D

Acq: 30 Apr 2024 17:49

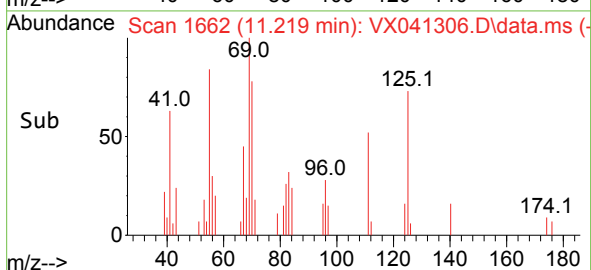
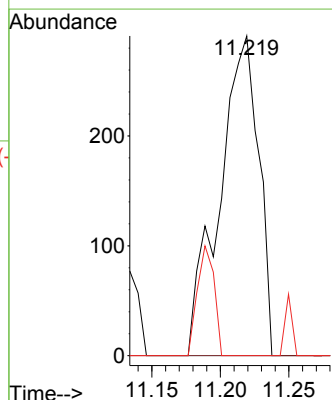
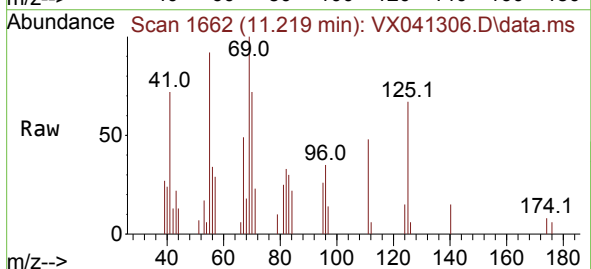
Tgt Ion: 83 Resp: 579

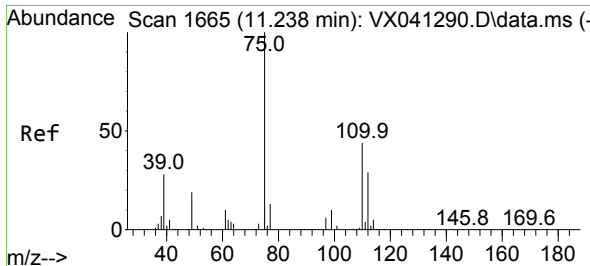
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

85 0.0 32.0 96.2#

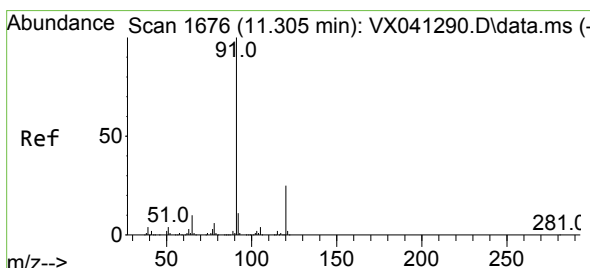
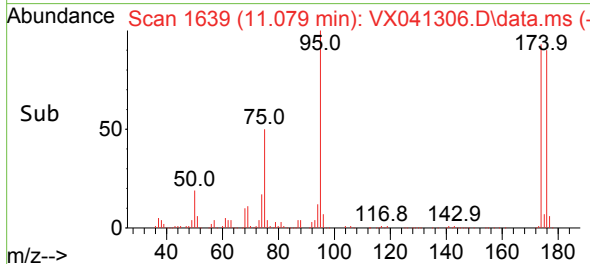
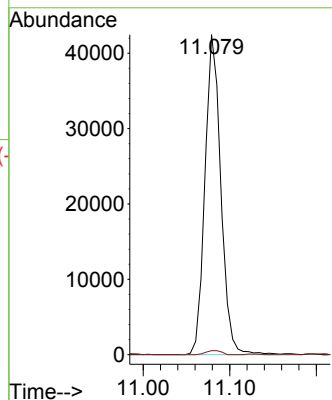
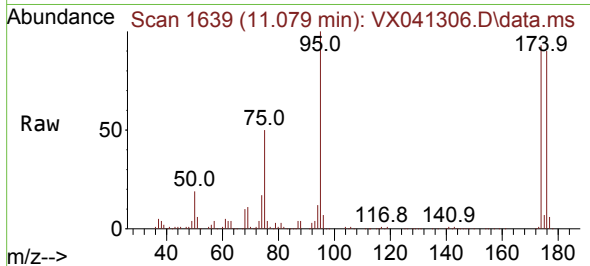




#76
1,2,3-Trichloropropane
Concen: 26.280 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

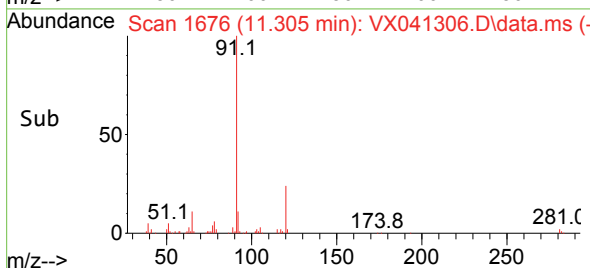
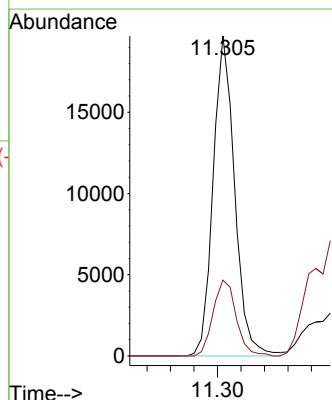
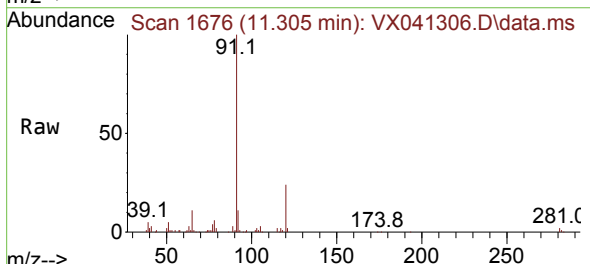
Instrument :
MSVOA_X
ClientSampleId :

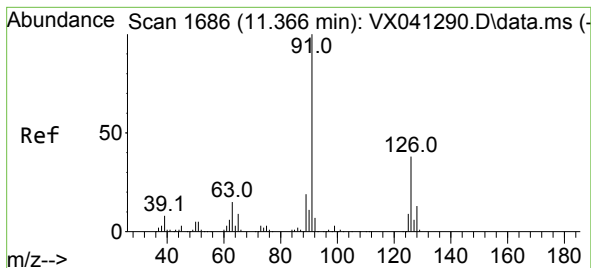
Tgt Ion: 75 Resp: 54233
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#78
n-propylbenzene
Concen: 3.086 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Tgt Ion: 91 Resp: 25056
Ion Ratio Lower Upper
91 100
120 25.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 1.146 ug/l

RT: 11.396 min Scan# 1

Delta R.T. 0.030 min

Lab File: VX041306.D

Acq: 30 Apr 2024 17:49

Instrument :

MSVOA_X

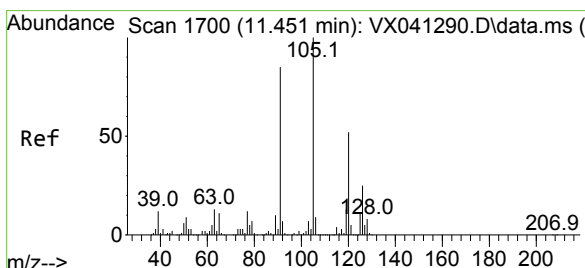
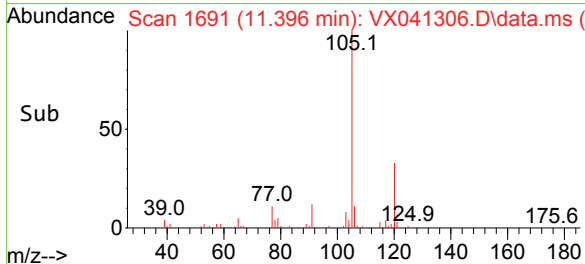
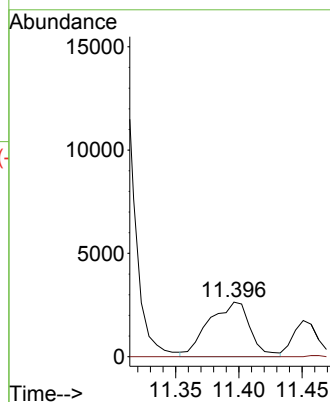
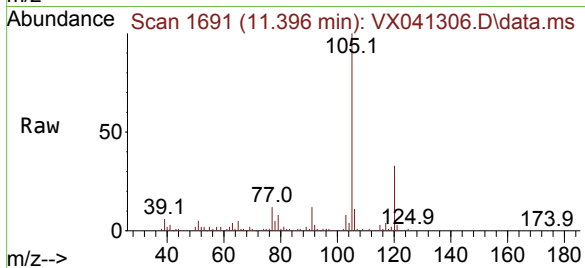
ClientSampleId :

Tgt Ion: 91 Resp: 5996

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 3.244 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX041306.D

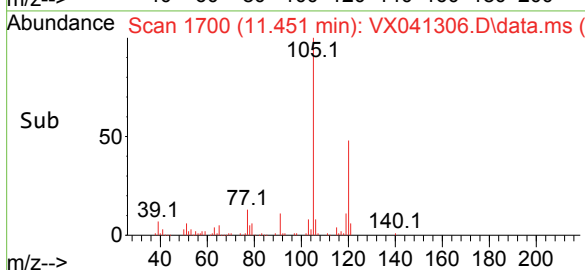
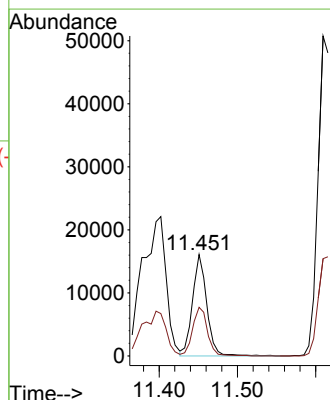
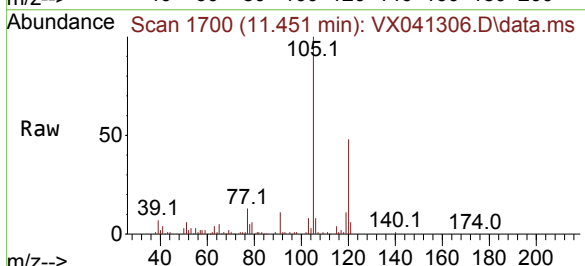
Acq: 30 Apr 2024 17:49

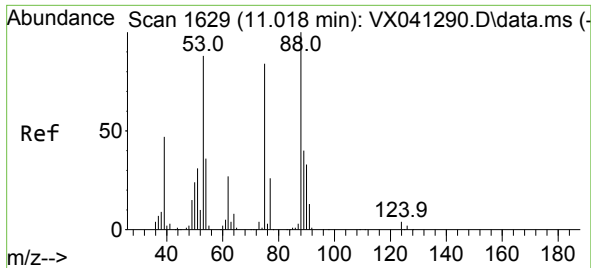
Tgt Ion: 105 Resp: 20440

Ion Ratio Lower Upper

105 100

120 49.9 24.1 72.3

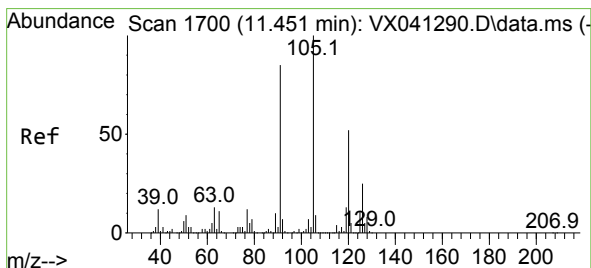
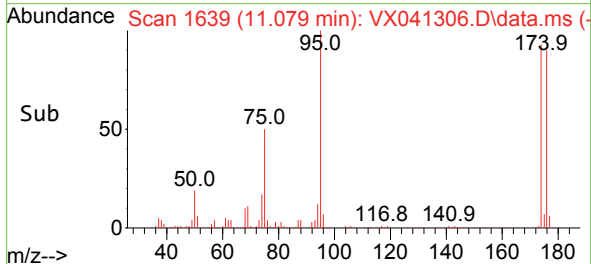
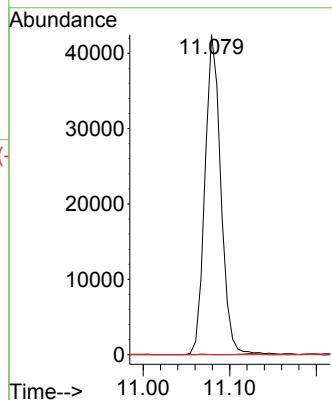
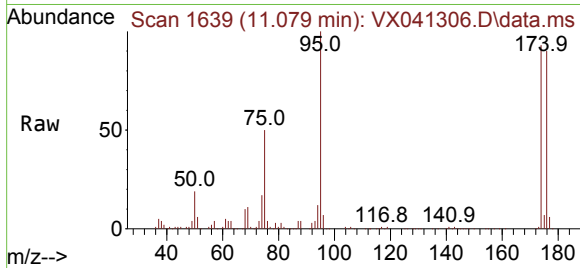




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.584 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX041306.D
 Acq: 30 Apr 2024 17:49

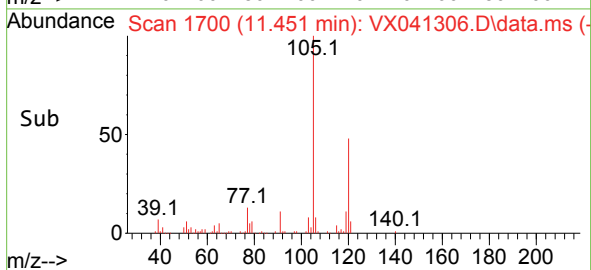
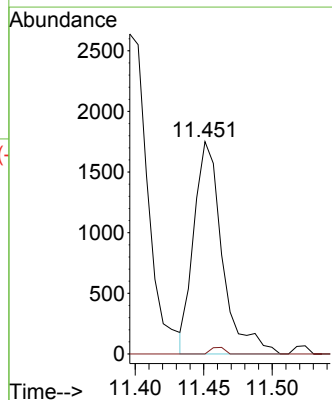
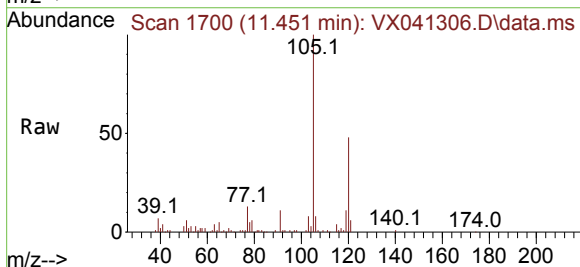
Instrument :
 MSVOA_X
 ClientSampleId :

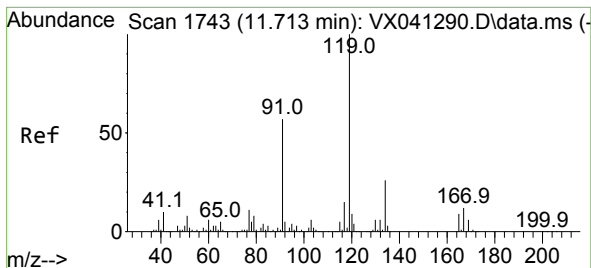
Tgt Ion: 75 Resp: 54233
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 36.9 55.3#



#82
 4-Chlorotoluene
 Concen: 0.426 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: VX041306.D
 Acq: 30 Apr 2024 17:49

Tgt Ion: 91 Resp: 2533
 Ion Ratio Lower Upper
 91 100
 126 1.5 14.2 42.6#





#83

tert-Butylbenzene

Concen: 0.799 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.036 min

Lab File: VX041306.D

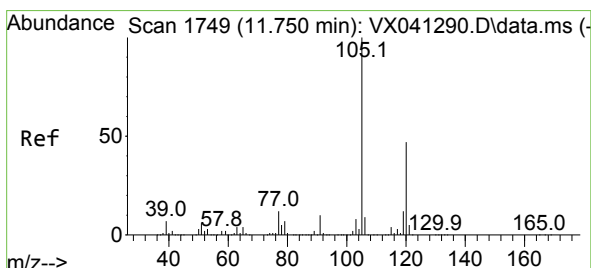
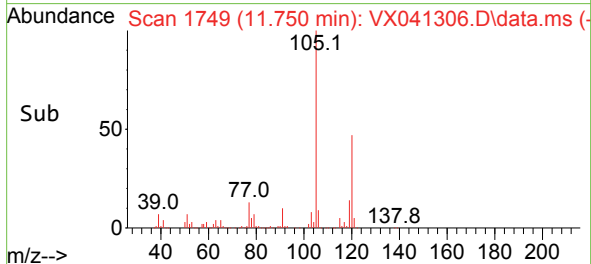
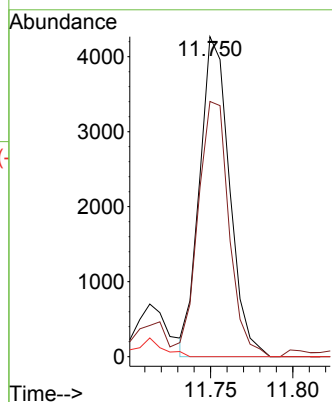
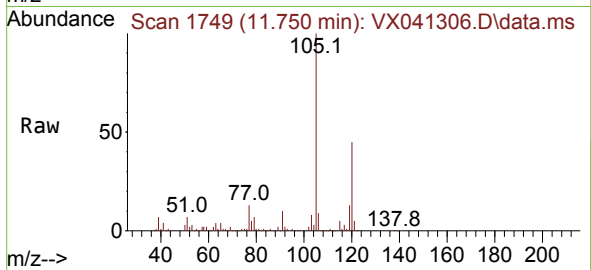
Acq: 30 Apr 2024 17:49

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:119 Resp: 5388
 Ion Ratio Lower Upper
 119 100
 91 82.9 31.2 93.6
 134 0.0 11.7 35.0#



#84

1,2,4-Trimethylbenzene

Concen: 6.758 ug/l

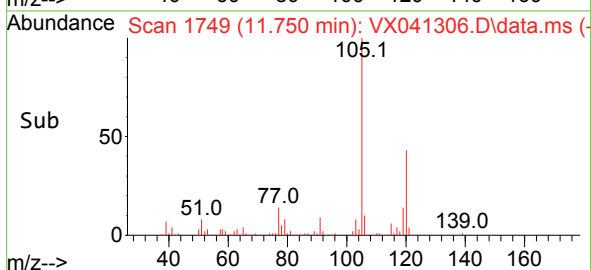
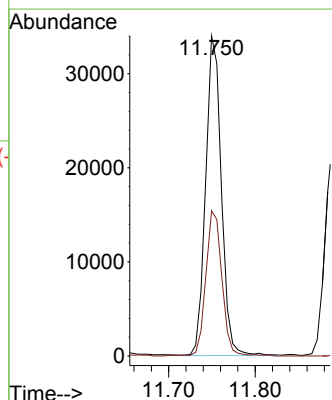
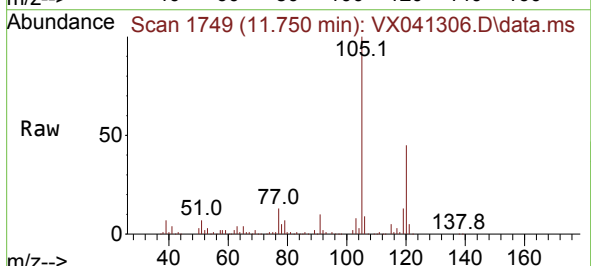
RT: 11.750 min Scan# 1749

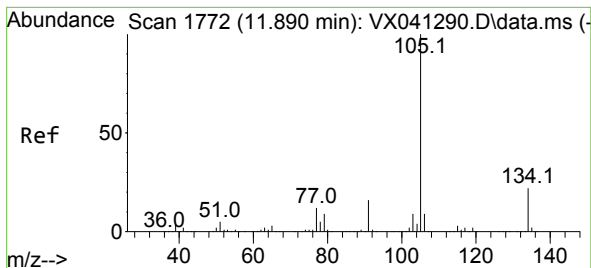
Delta R.T. -0.000 min

Lab File: VX041306.D

Acq: 30 Apr 2024 17:49

Tgt Ion:105 Resp: 42845
 Ion Ratio Lower Upper
 105 100
 120 46.4 21.2 63.6





#85

sec-Butylbenzene

Concen: 3.688 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX041306.D

Acq: 30 Apr 2024 17:49

Instrument :

MSVOA_X

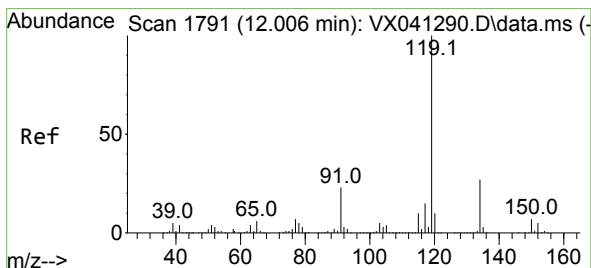
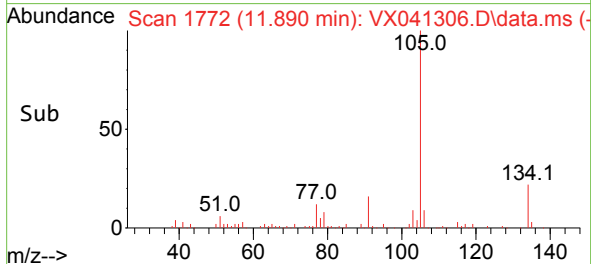
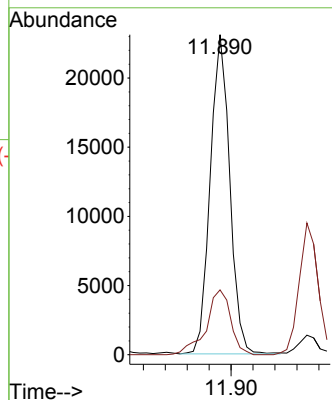
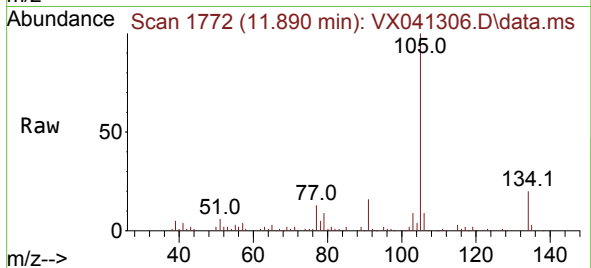
ClientSampleId :

Tgt Ion:105 Resp: 28516

Ion Ratio Lower Upper

105 100

134 25.4 9.8 29.4



#86

p-Isopropyltoluene

Concen: 1.431 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX041306.D

Acq: 30 Apr 2024 17:49

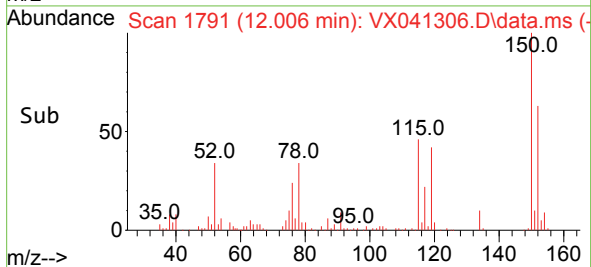
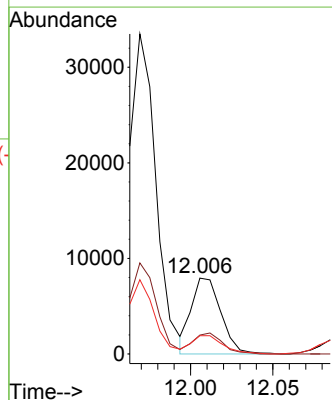
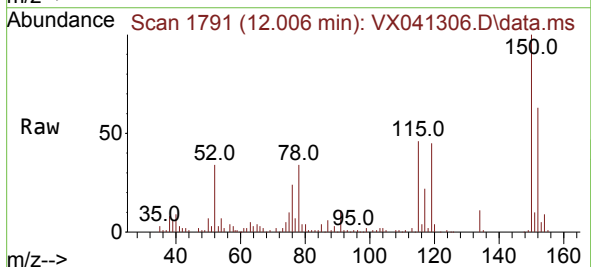
Tgt Ion:119 Resp: 9936

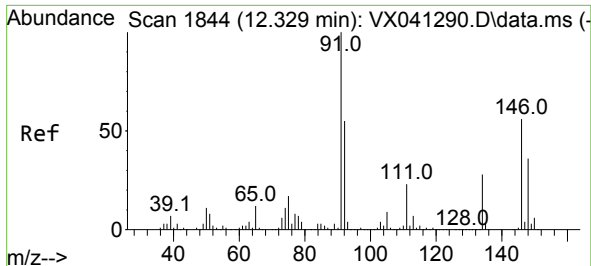
Ion Ratio Lower Upper

119 100

134 27.5 12.8 38.3

91 26.1 13.1 39.3

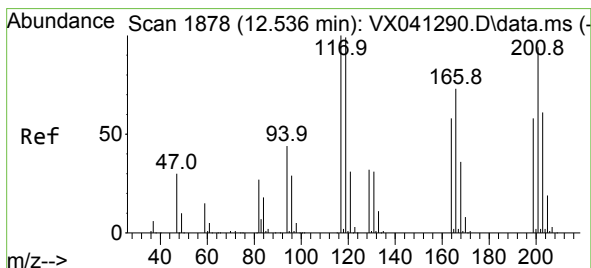
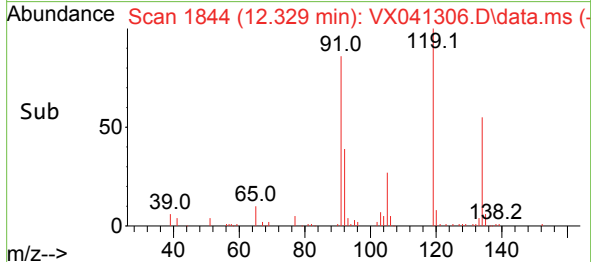
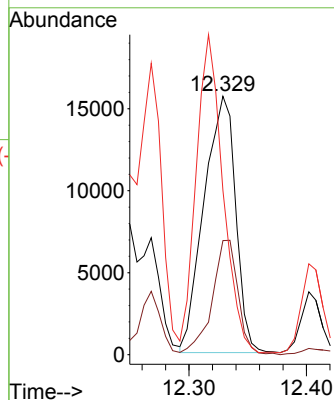
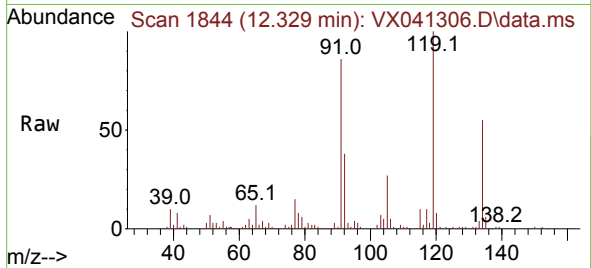




#89
n-Butylbenzene
Concen: 5.238 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

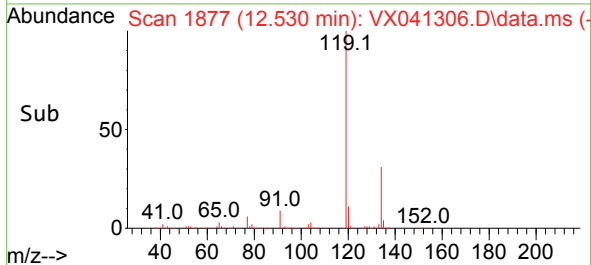
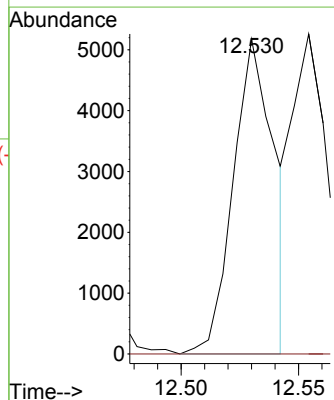
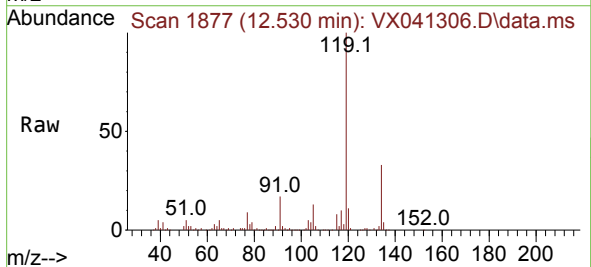
Instrument :
MSVOA_X
ClientSampleId :

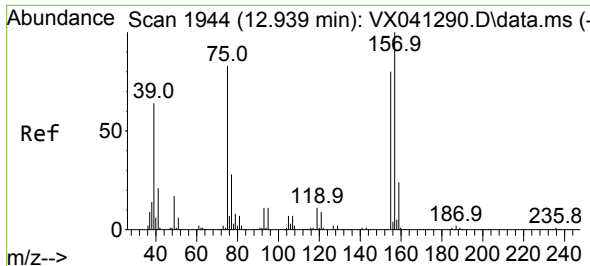
Tgt Ion: 91 Resp: 29252
Ion Ratio Lower Upper
91 100
92 36.7 27.4 82.0
134 104.5 12.6 37.8#



#90
Hexachloroethane
Concen: 5.445 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Tgt Ion: 117 Resp: 6324
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

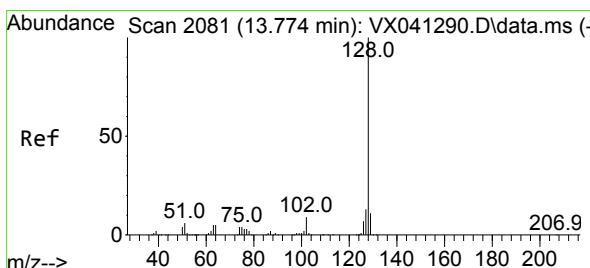
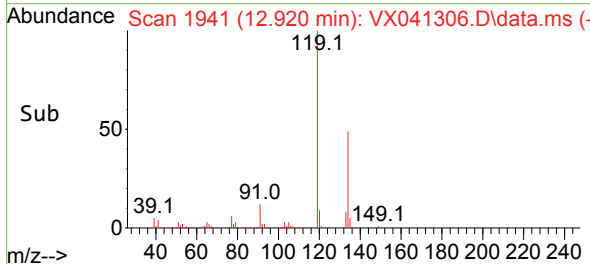
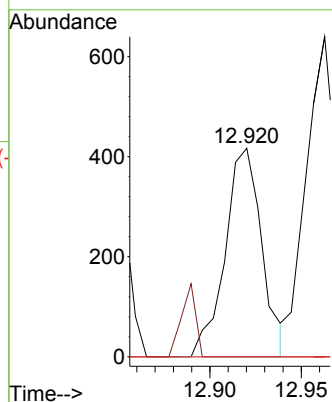
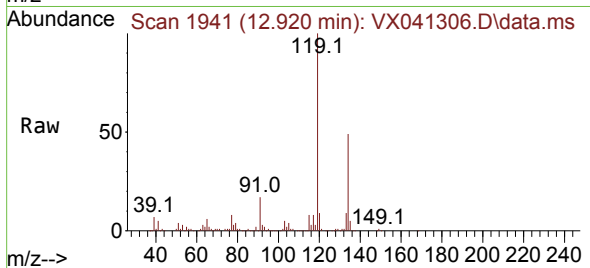




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.994 ug/l
RT: 12.920 min Scan# 1944
Delta R.T. -0.018 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 582
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 0.0 44.9 134.7#



#95
Naphthalene
Concen: 12.849 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX041306.D
Acq: 30 Apr 2024 17:49

Tgt Ion: 128 Resp: 111480
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 12.7 8.8 13.2

