

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060324\
 Data File : VX041704.D
 Acq On : 03 Jun 2024 15:07
 Operator : JC/MD
 Sample : P2691-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

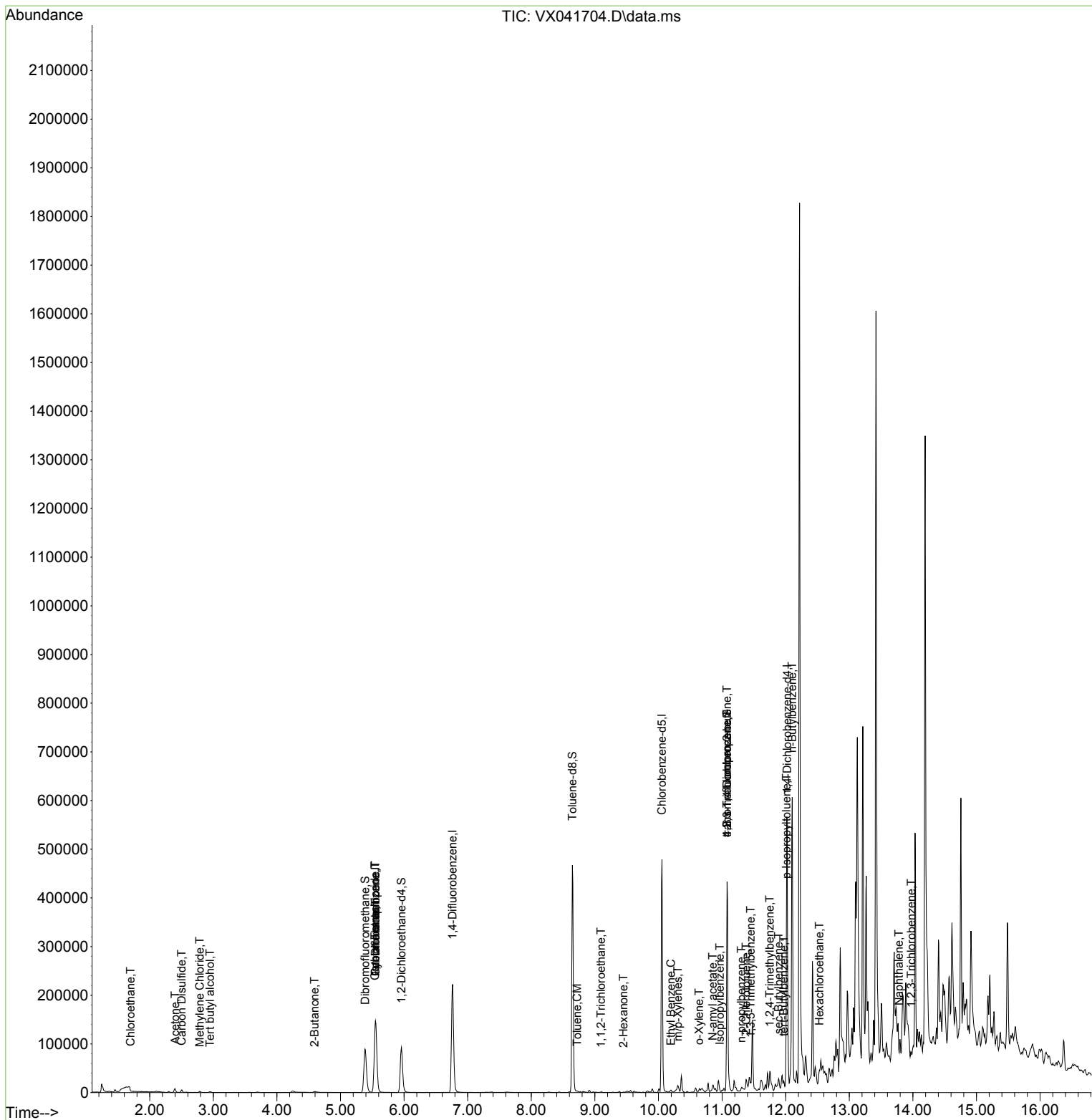
Quant Time: Jun 04 00:48:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

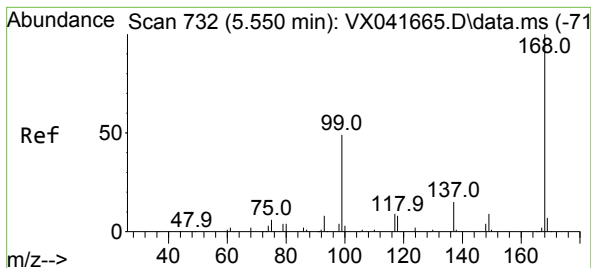
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	155043	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	233724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90253	47.463	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.920%		
35) Dibromofluoromethane	5.385	113	76522	47.354	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.700%		
50) Toluene-d8	8.647	98	277036	49.065	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.120%		
62) 4-Bromofluorobenzene	11.079	95	104935	50.354	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.700%		
Target Compounds						Qvalue
6) Chloroethane	1.697	64	511	0.553	ug/l	# 43
11) Tert butyl alcohol	2.947	59	933	2.774	ug/l	# 78
16) Acetone	2.398	43	9304	8.457	ug/l	96
17) Carbon Disulfide	2.502	76	6829	2.234	ug/l	96
20) Methylene Chloride	2.788	84	1174	0.690	ug/l	88
25) 2-Butanone	4.593	43	4468	3.781	ug/l	99
31) Cyclohexane	5.550	56	2978	1.326	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	10262	5.245	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	13299	5.982	ug/l	# 15
52) Toluene	8.720	92	988	0.255	ug/l	92
55) 1,1,2-Trichloroethane	9.098	97	517	0.330	ug/l	# 17
59) 2-Hexanone	9.452	43	862	0.468	ug/l	80
67) Ethyl Benzene	10.195	91	2287	0.295	ug/l	98
68) m/p-Xylenes	10.305	106	2898	0.939	ug/l	98
69) o-Xylene	10.640	106	1706	0.556	ug/l	95
73) Isopropylbenzene	10.963	105	1813	0.243	ug/l	80
74) N-amyl acetate	10.854	43	828	0.250	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	52954	25.204	ug/l	# 39
78) n-propylbenzene	11.305	91	3897	0.475	ug/l	100
79) 2-Chlorotoluene	11.378	91	1935	0.367	ug/l	# 42
80) 1,3,5-Trimethylbenzene	11.451	105	4496	0.721	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	52954	68.692	ug/l	# 6
83) tert-Butylbenzene	11.969	119	3765	0.560	ug/l	68
84) 1,2,4-Trimethylbenzene	11.750	105	15268	2.416	ug/l	96
85) sec-Butylbenzene	11.890	105	3051	0.396	ug/l	89
86) p-Isopropyltoluene	12.012	119	16520	2.446	ug/l	97
89) n-Butylbenzene	12.103	91	10186	1.905	ug/l	70
90) Hexachloroethane	12.530	117	945	0.823	ug/l	# 17
95) Naphthalene	13.780	128	4884	0.626	ug/l	# 80
96) 1,2,3-Trichlorobenzene	13.975	180	1099	0.404	ug/l	# 1

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

Quant Time: Jun 04 00:48:39 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: VX041704.D

Acq: 03 Jun 2024 15:07

Instrument :

MSVOA_X

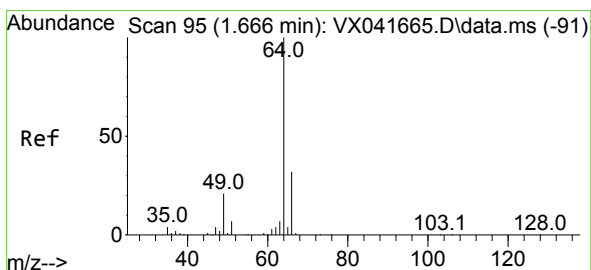
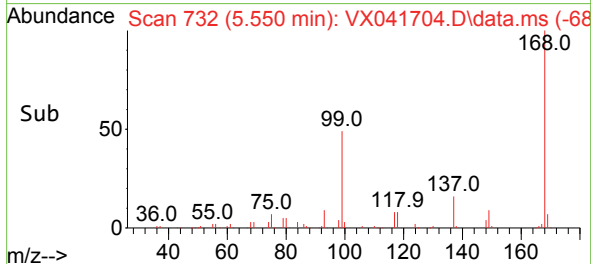
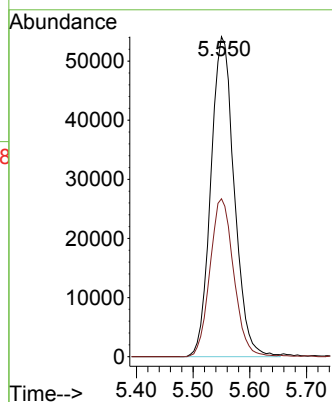
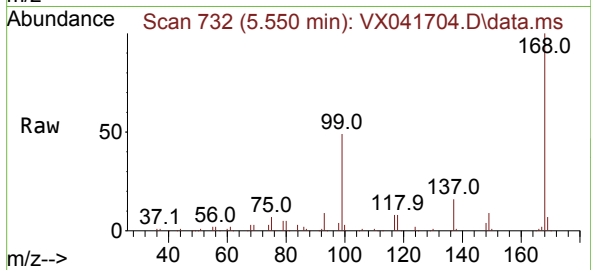
ClientSampleId :

Tgt Ion:168 Resp: 155043

Ion Ratio Lower Upper

168 100

99 49.4 56.6 85.0#



#6

Chloroethane

Concen: 0.553 ug/l

RT: 1.697 min Scan# 100

Delta R.T. 0.031 min

Lab File: VX041704.D

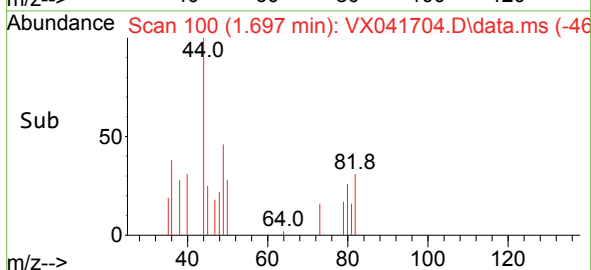
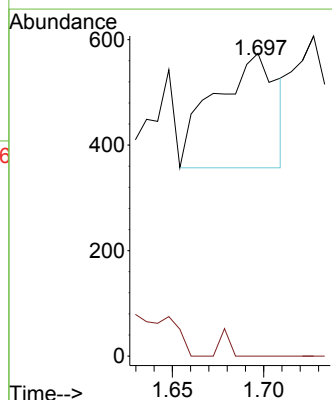
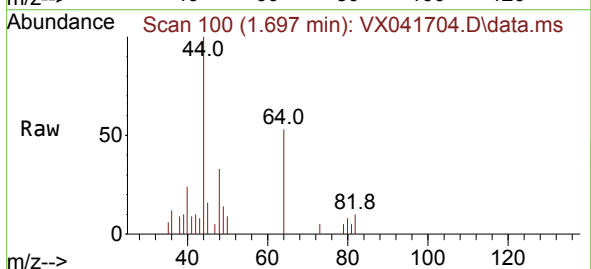
Acq: 03 Jun 2024 15:07

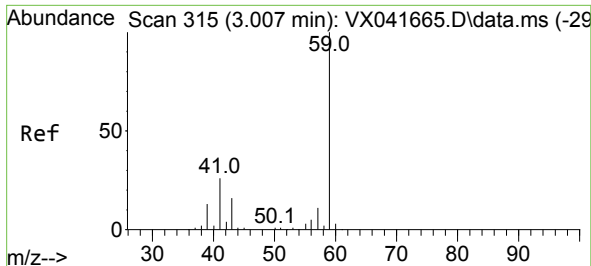
Tgt Ion: 64 Resp: 511

Ion Ratio Lower Upper

64 100

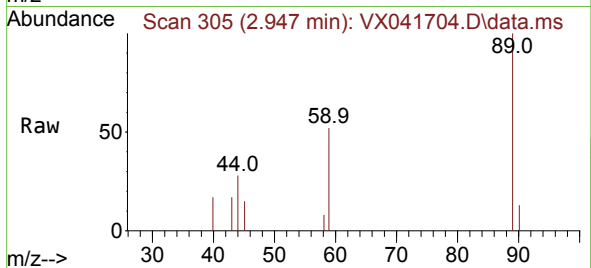
66 0.0 25.1 37.7#



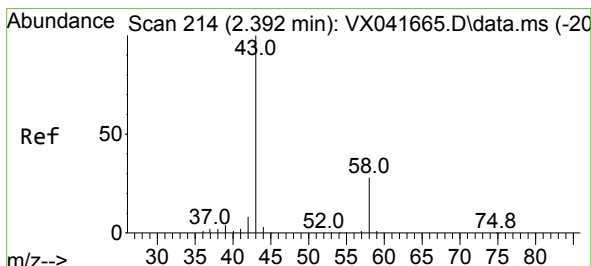
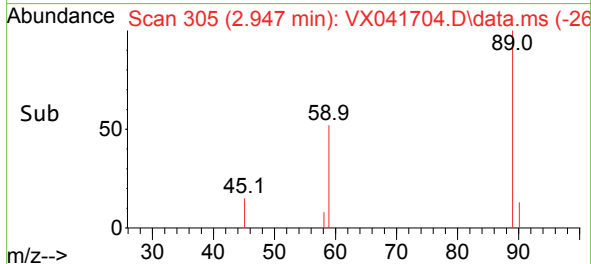
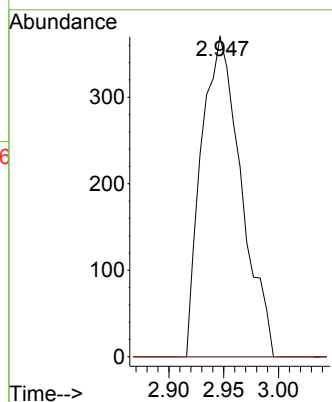


#11
Tert butyl alcohol
Concen: 2.774 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Instrument :
MSVOA_X
ClientSampleId :

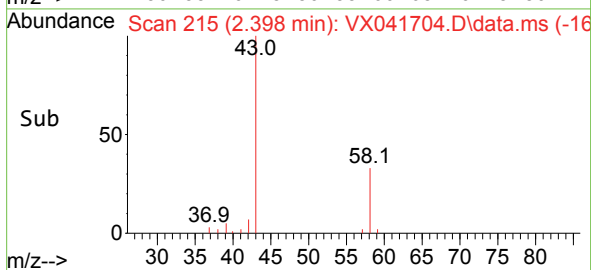
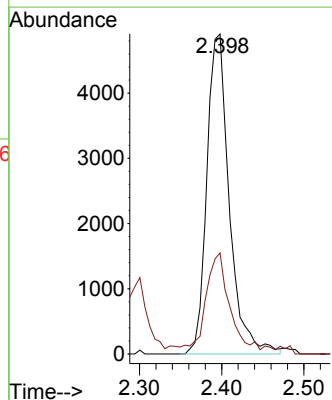
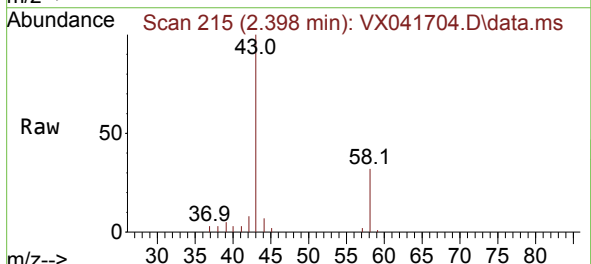


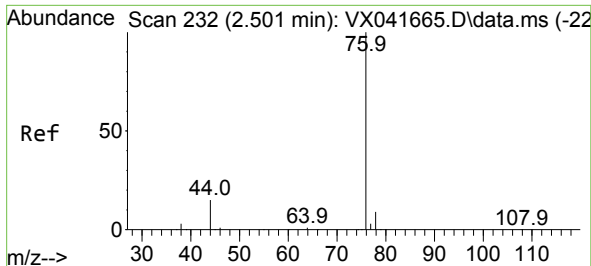
Tgt Ion: 59 Resp: 933
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 8.457 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Tgt Ion: 43 Resp: 9304
Ion Ratio Lower Upper
43 100
58 29.4 21.9 32.9





#17

Carbon Disulfide

Concen: 2.234 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

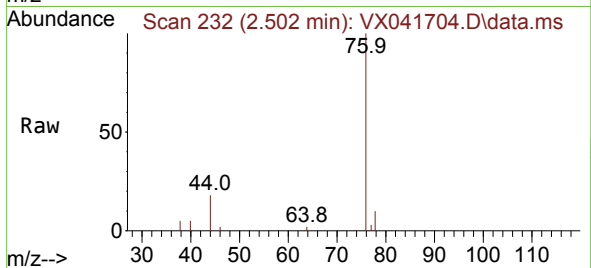
Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

Instrument :

MSVOA_X

ClientSampleId :

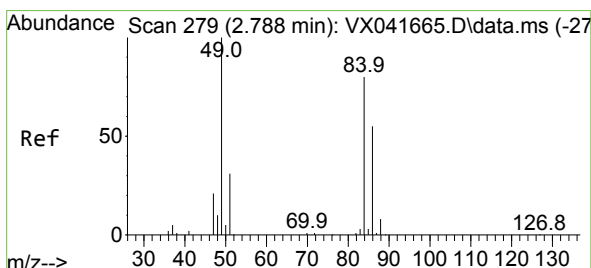
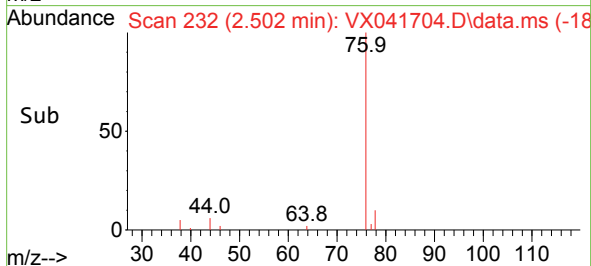
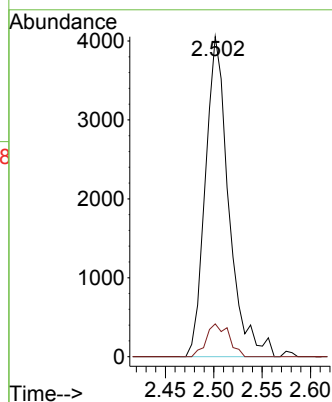


Tgt Ion: 76 Resp: 6829

Ion Ratio Lower Upper

76 100

78 10.2 7.0 10.6



#20

Methylene Chloride

Concen: 0.690 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

Tgt Ion: 84 Resp: 1174

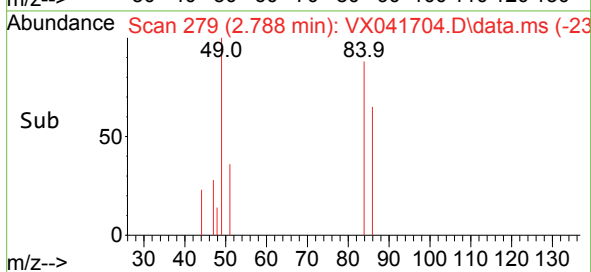
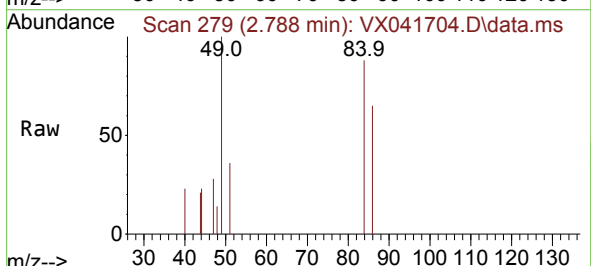
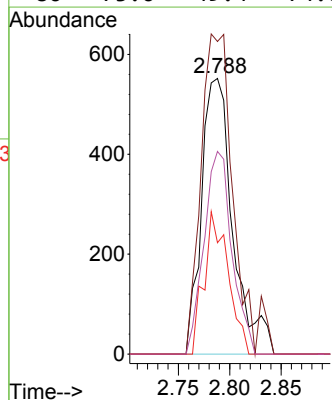
Ion Ratio Lower Upper

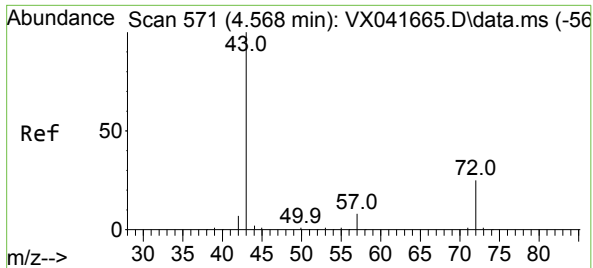
84 100

49 113.4 103.6 155.4

51 40.4 33.8 50.6

86 73.6 49.4 74.0

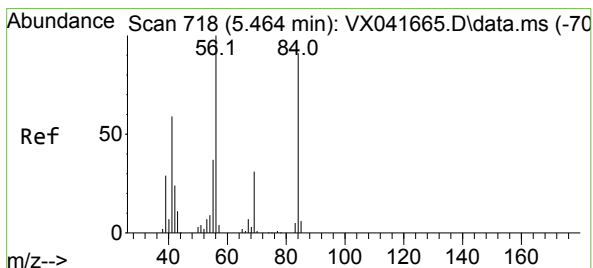
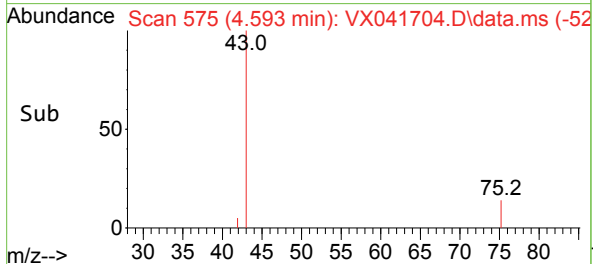
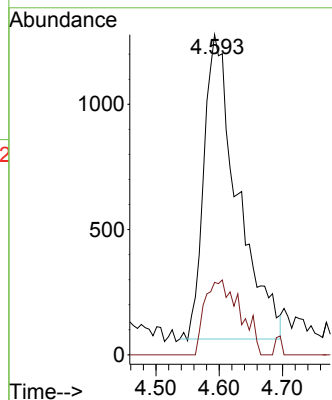
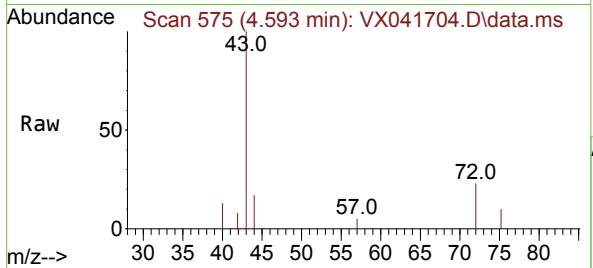




#25
2-Butanone
Concen: 3.781 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

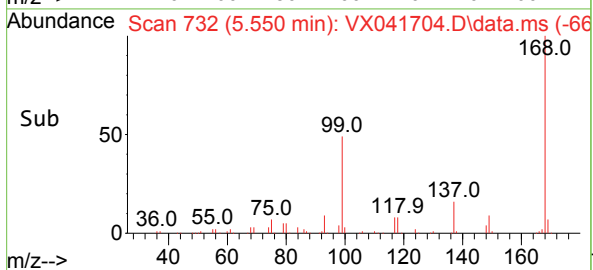
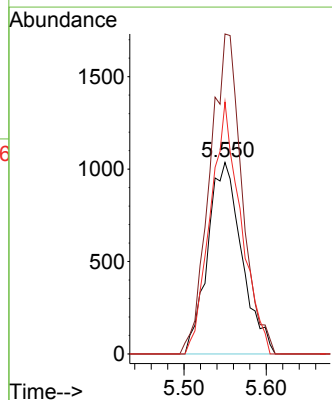
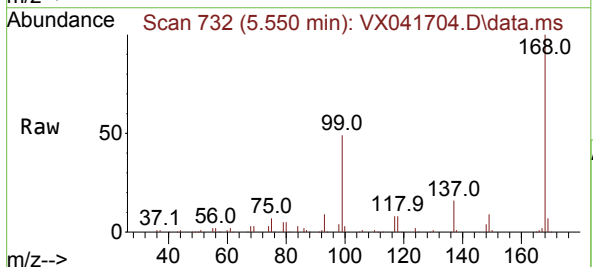
Instrument :
MSVOA_X
ClientSampleId :

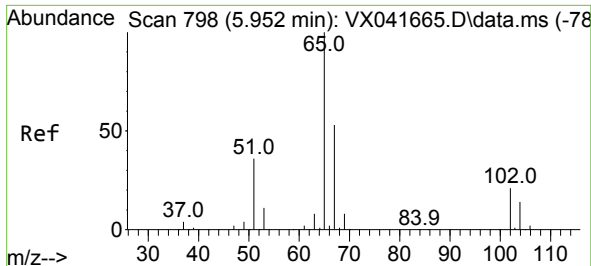
Tgt Ion: 43 Resp: 4468
Ion Ratio Lower Upper
43 100
72 23.8 19.4 29.2



#31
Cyclohexane
Concen: 1.326 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Tgt Ion: 56 Resp: 2978
Ion Ratio Lower Upper
56 100
69 167.1 23.4 35.2#
84 131.6 65.9 98.9#

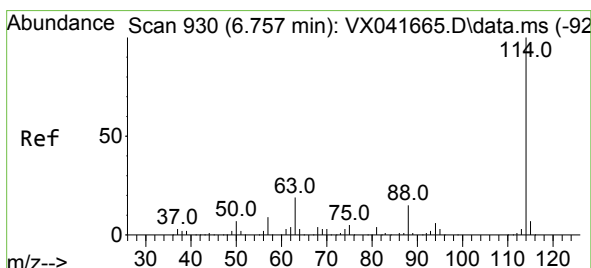
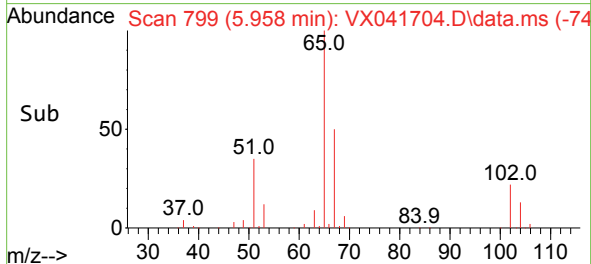
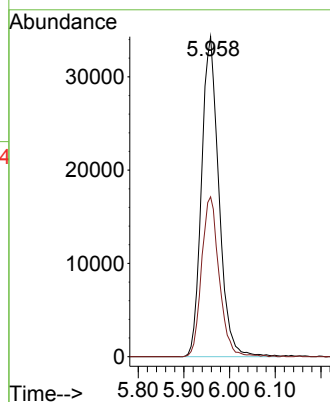
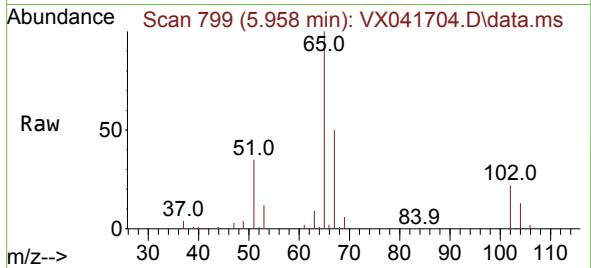




#33
1,2-Dichloroethane-d4
Concen: 47.463 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

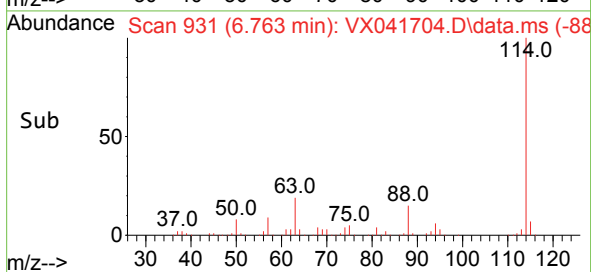
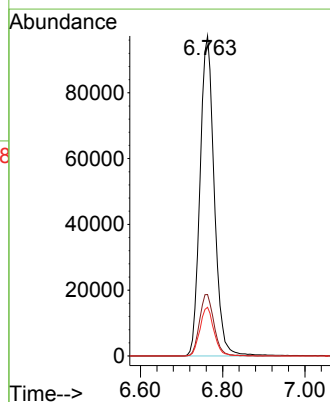
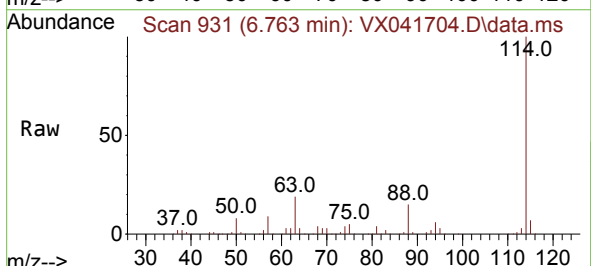
Instrument :
MSVOA_X
ClientSampleId :

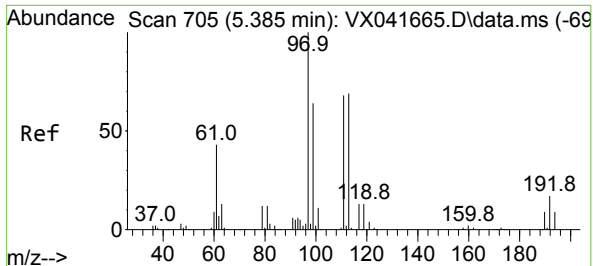
Tgt Ion: 65 Resp: 90253
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

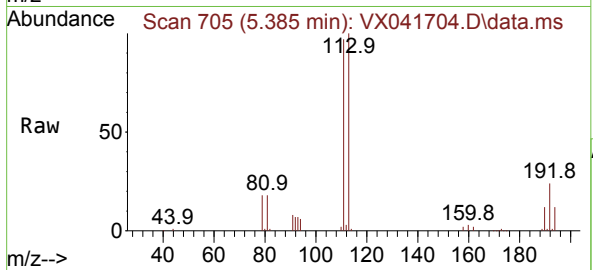
Tgt Ion: 114 Resp: 233724
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 15.2 0.0 36.6



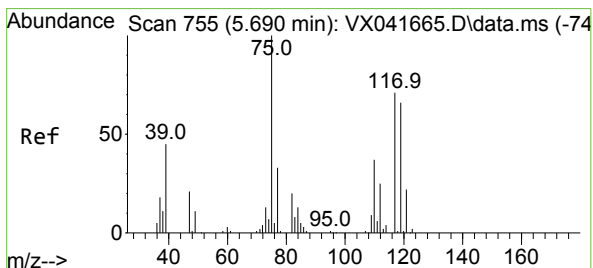
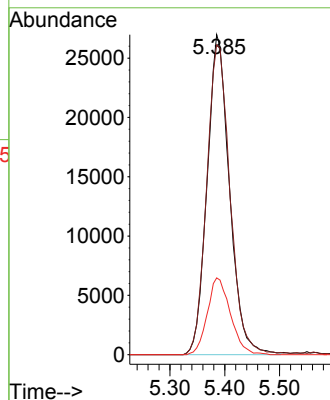
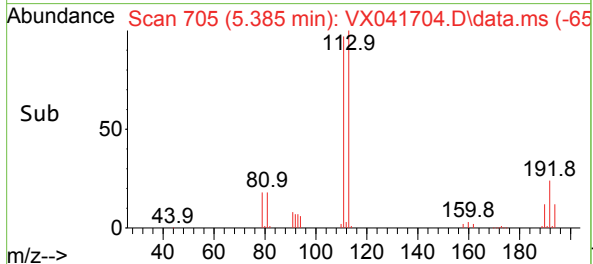


#35
Dibromofluoromethane
Concen: 47.354 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Instrument :
MSVOA_X
ClientSampleId :

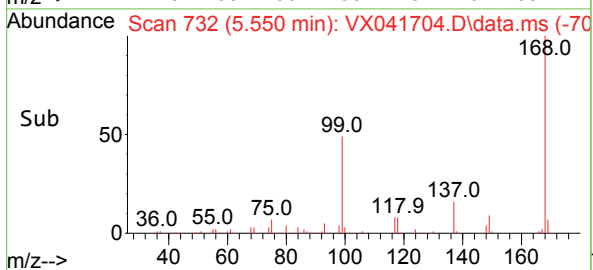
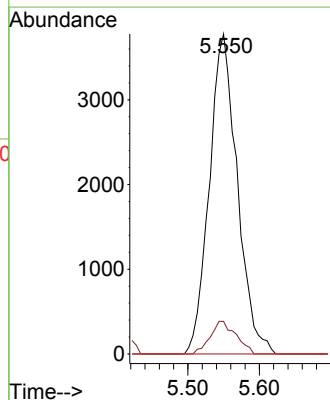
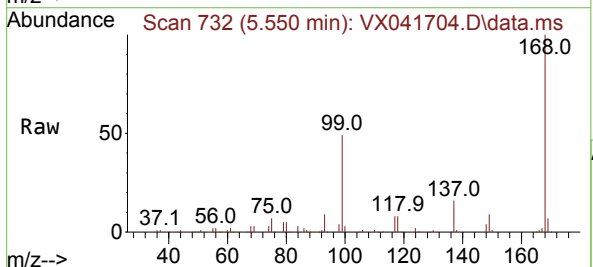


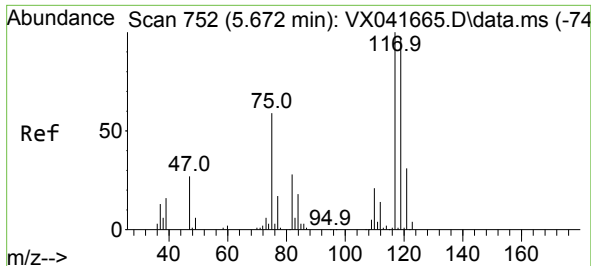
Tgt Ion:113 Resp: 76522
Ion Ratio Lower Upper
113 100
111 101.1 82.9 124.3
192 24.8 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.245 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

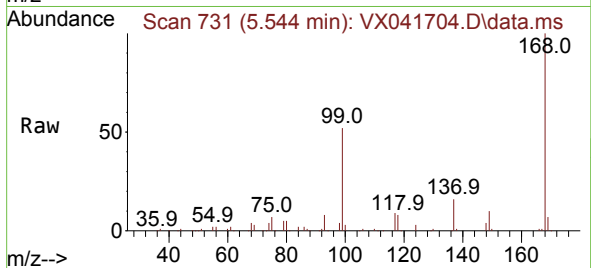
Tgt Ion: 75 Resp: 10262
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



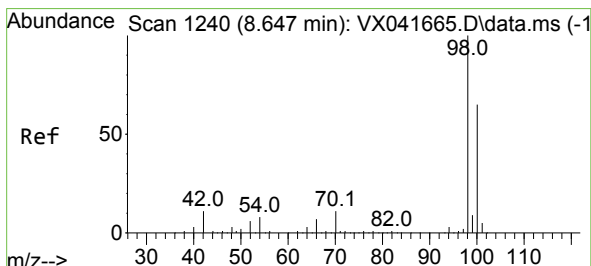
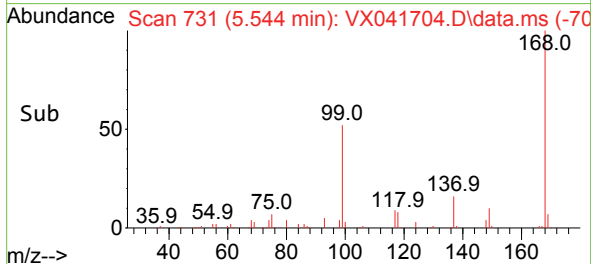
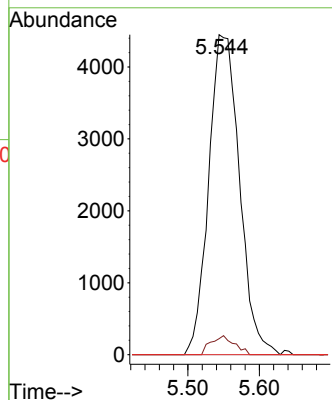


#38
Carbon Tetrachloride
Concen: 5.982 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Instrument :
MSVOA_X
ClientSampleId :

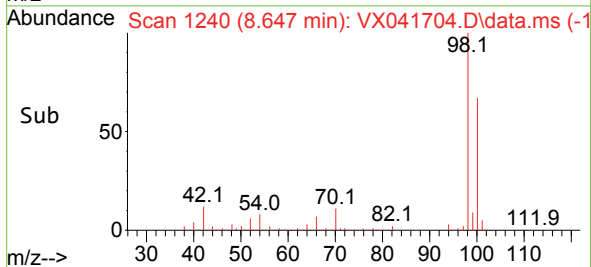
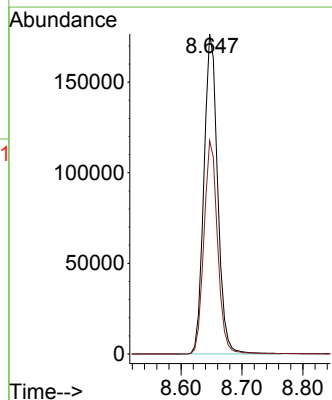
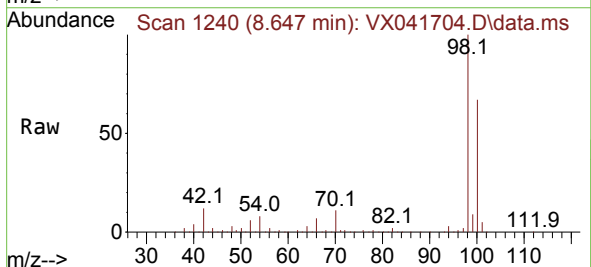


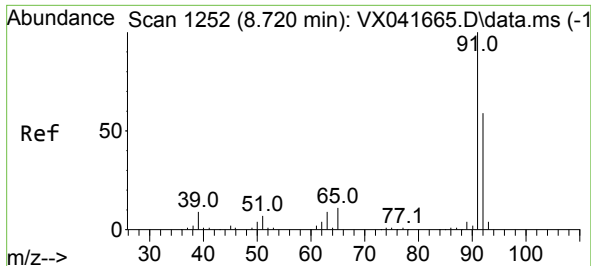
Tgt Ion:117 Resp: 13299
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.065 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Tgt Ion: 98 Resp: 277036
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

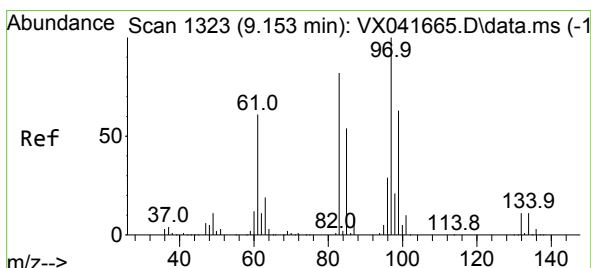
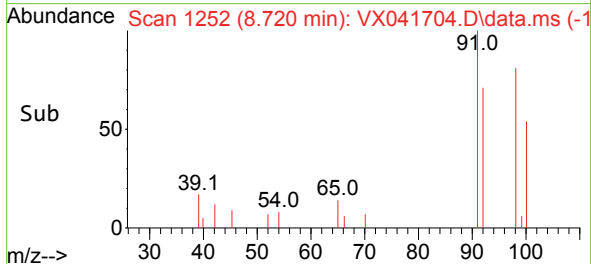
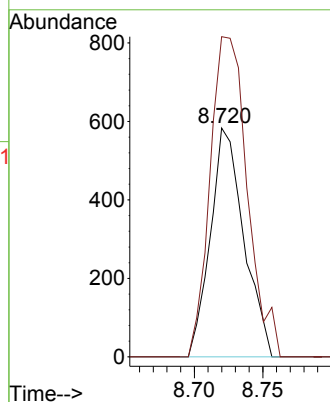
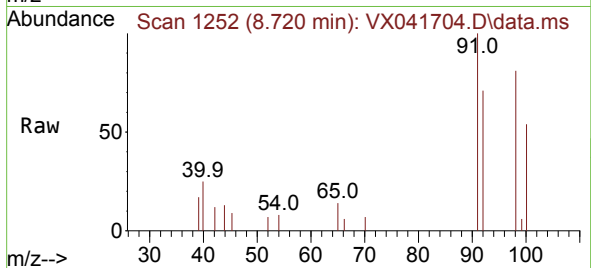




#52
Toluene
Concen: 0.255 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

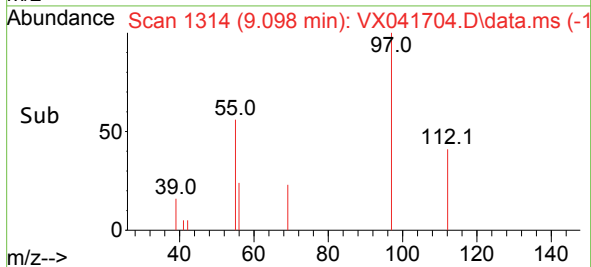
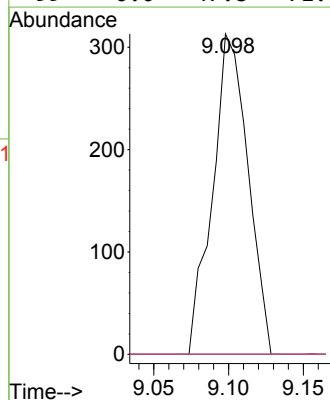
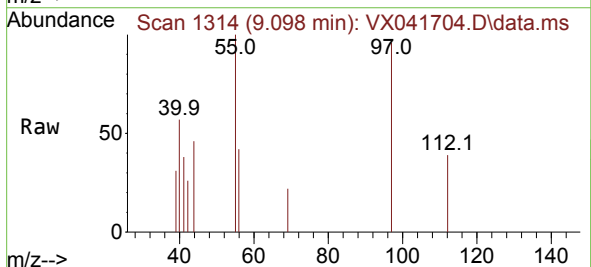
Instrument :
MSVOA_X
ClientSampleId :

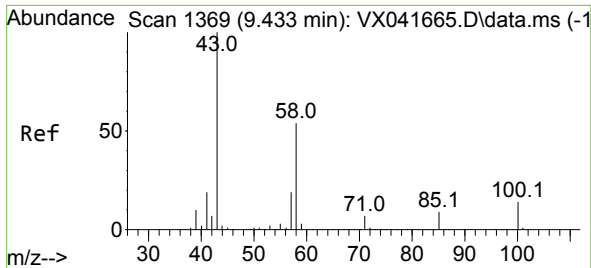
Tgt Ion: 92 Resp: 988
Ion Ratio Lower Upper
92 100
91 156.2 134.2 201.2



#55
1,1,2-Trichloroethane
Concen: 0.330 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.055 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Tgt Ion: 97 Resp: 517
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#

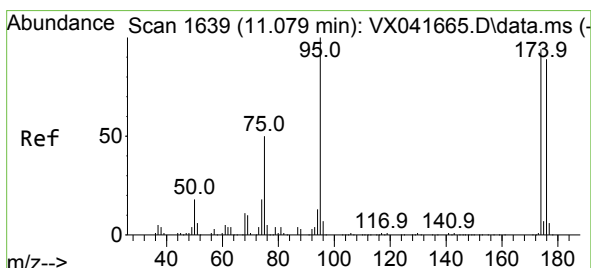
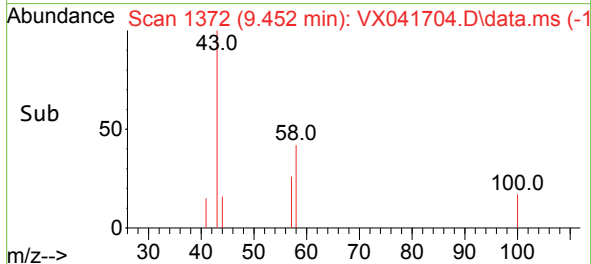
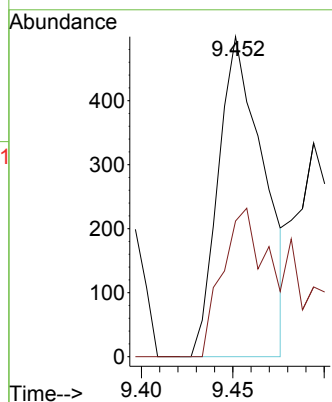
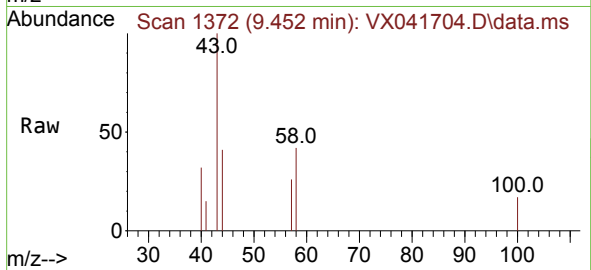




#59
2-Hexanone
Concen: 0.468 ug/l
RT: 9.452 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

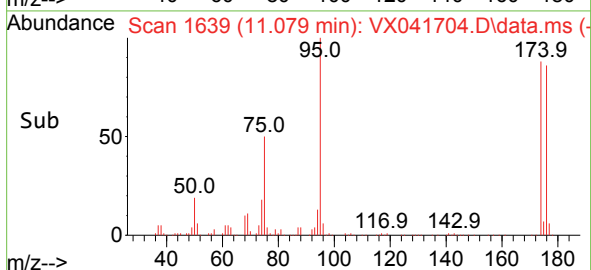
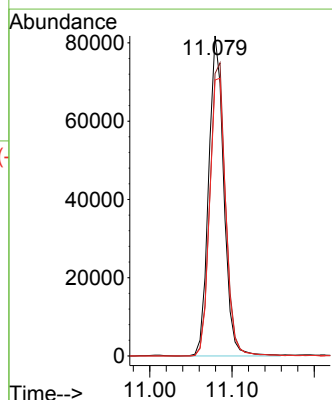
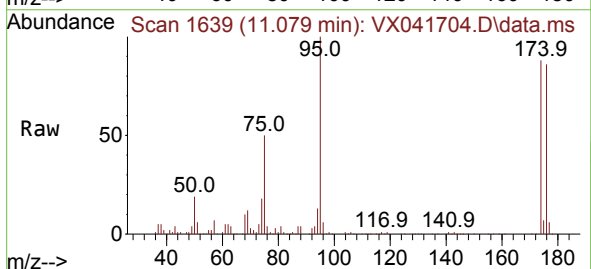
Instrument :
MSVOA_X
ClientSampleId :

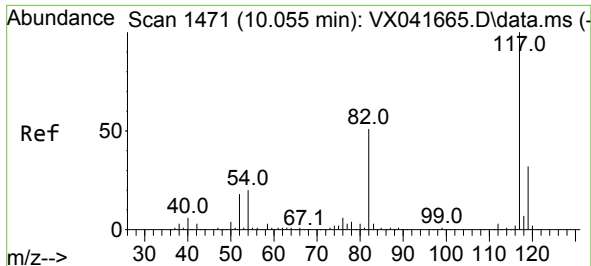
Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
58 66.4 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 50.354 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Tgt Ion: 95 Resp: 104935
Ion Ratio Lower Upper
95 100
174 95.0 0.0 135.6
176 92.3 0.0 131.0

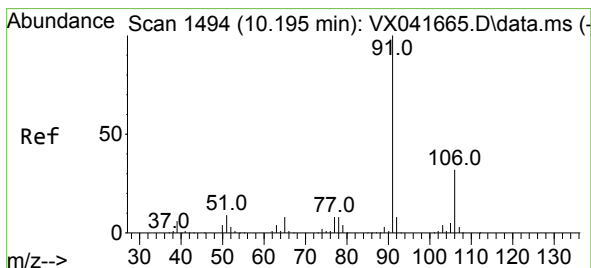
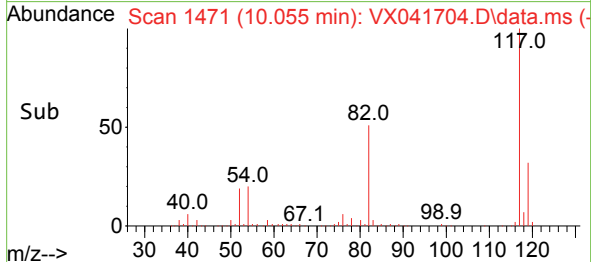
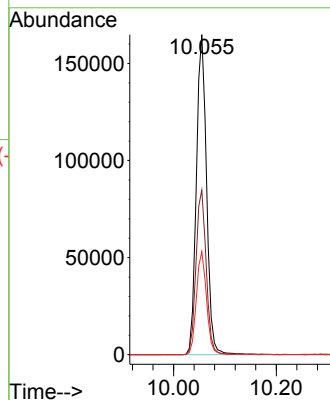
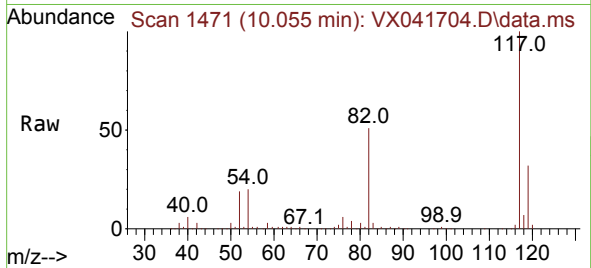




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

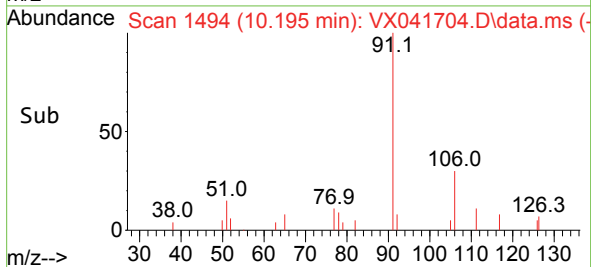
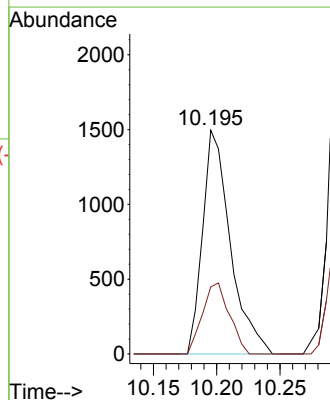
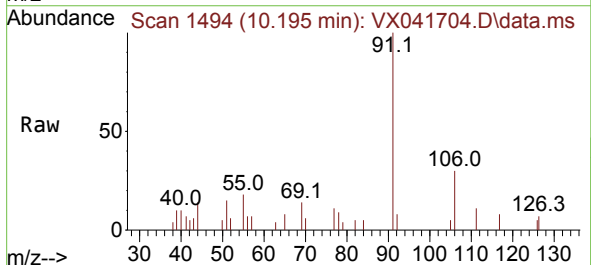
Instrument :
MSVOA_X
ClientSampleId :

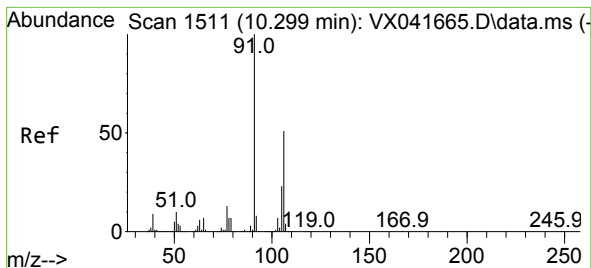
Tgt Ion:117 Resp: 226856
Ion Ratio Lower Upper
117 100
82 51.5 46.2 69.4
119 32.2 25.5 38.3



#67
Ethyl Benzene
Concen: 0.295 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Tgt Ion: 91 Resp: 2287
Ion Ratio Lower Upper
91 100
106 30.0 24.9 37.3

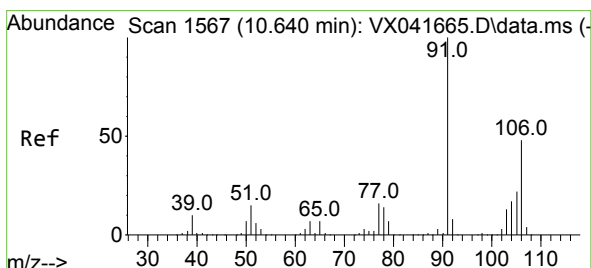
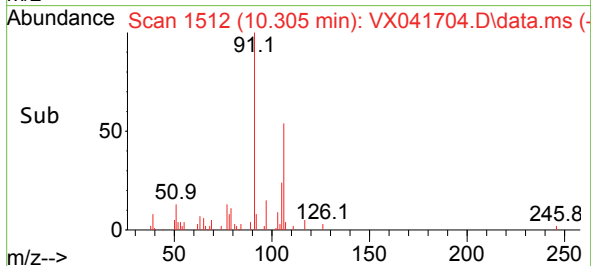
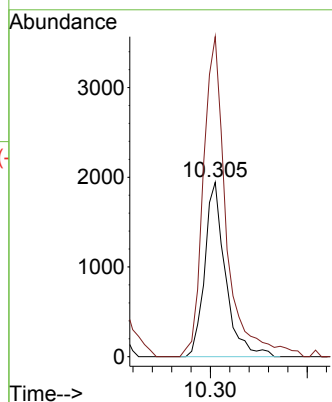
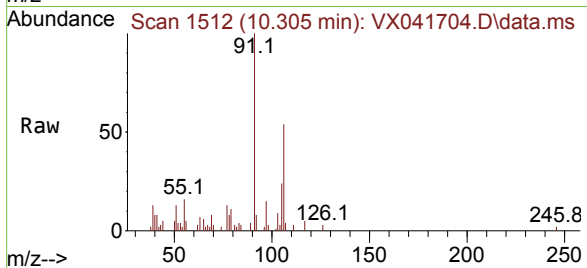




#68
m/p-Xylenes
Concen: 0.939 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

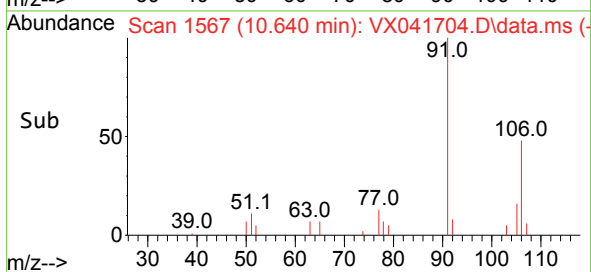
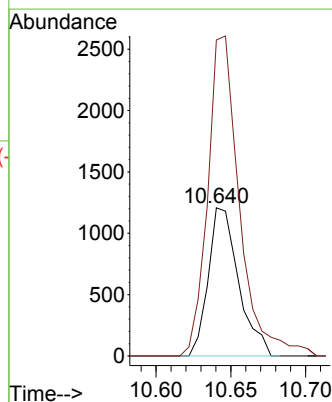
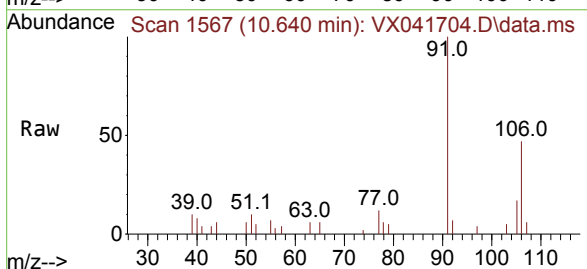
Instrument :
MSVOA_X
ClientSampleId :

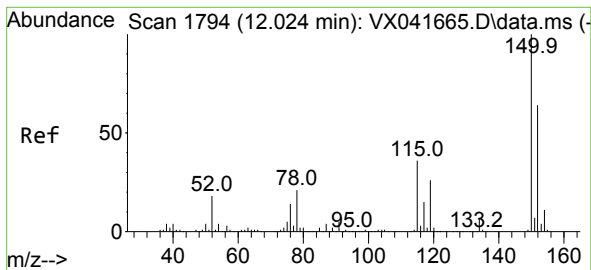
Tgt Ion:106 Resp: 2898
Ion Ratio Lower Upper
106 100
91 203.8 165.5 248.3



#69
o-Xylene
Concen: 0.556 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Tgt Ion:106 Resp: 1706
Ion Ratio Lower Upper
106 100
91 226.2 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

Instrument :

MSVOA_X

ClientSampleId :

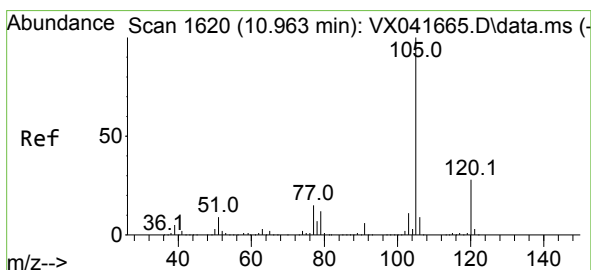
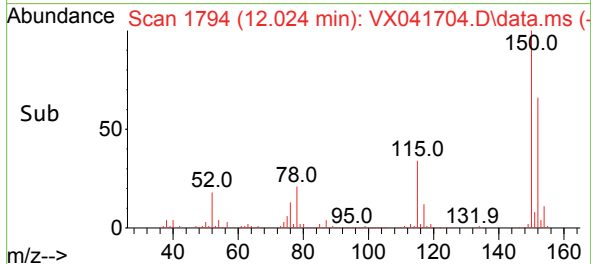
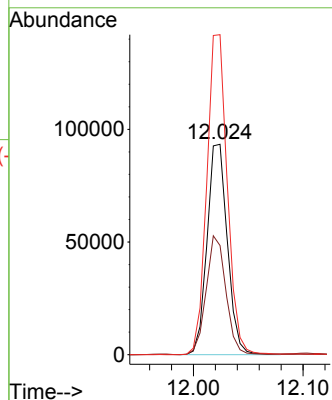
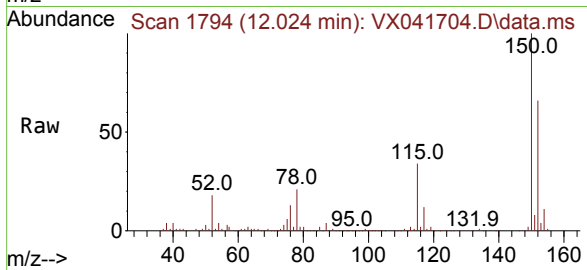
Tgt Ion:152 Resp: 120418

Ion Ratio Lower Upper

152 100

115 54.6 43.3 129.9

150 153.2 0.0 345.0



#73

Isopropylbenzene

Concen: 0.243 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX041704.D

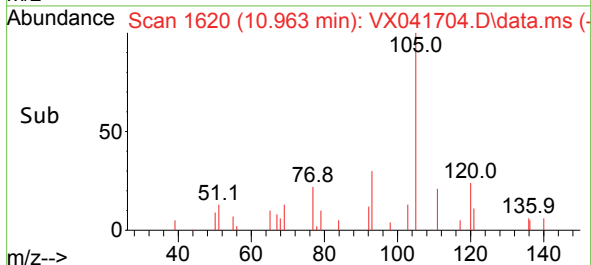
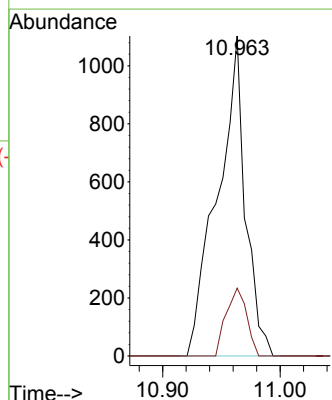
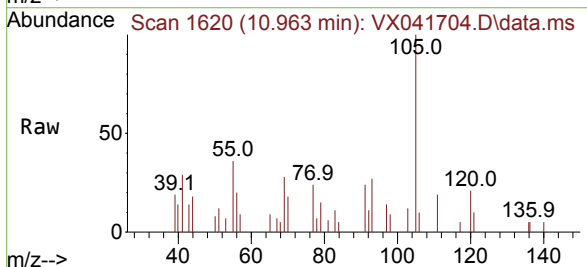
Acq: 03 Jun 2024 15:07

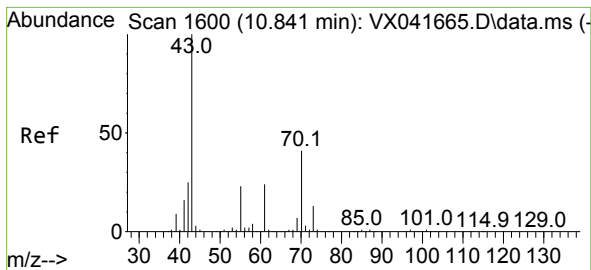
Tgt Ion:105 Resp: 1813

Ion Ratio Lower Upper

105 100

120 15.7 12.9 38.6





#74

N-ethyl acetate

Concen: 0.250 ug/l

RT: 10.854 min Scan# 1602

Delta R.T. 0.012 min

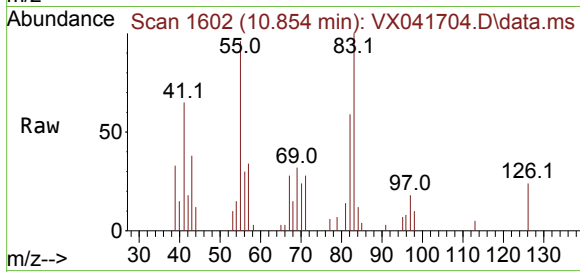
Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 828

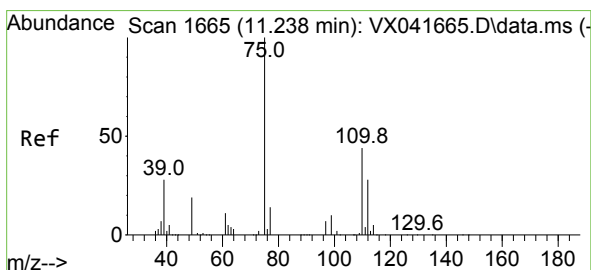
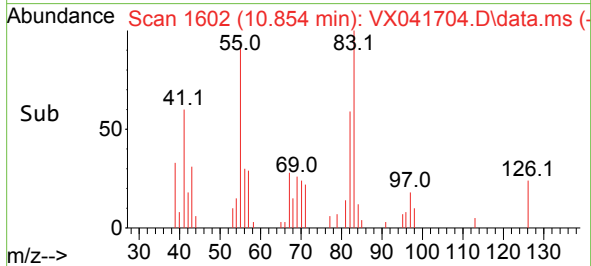
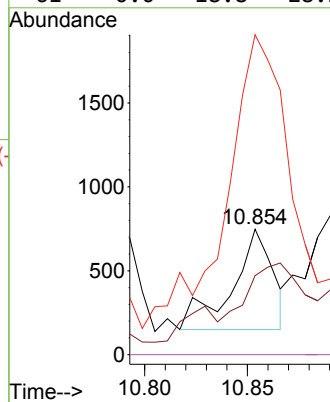
Ion Ratio Lower Upper

43 100

70 73.6 32.9 49.3#

55 459.8 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.204 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041704.D

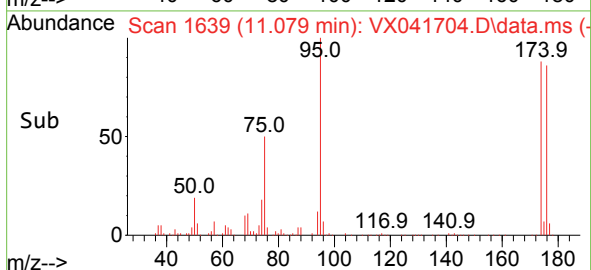
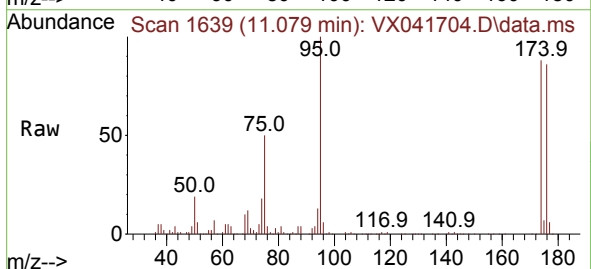
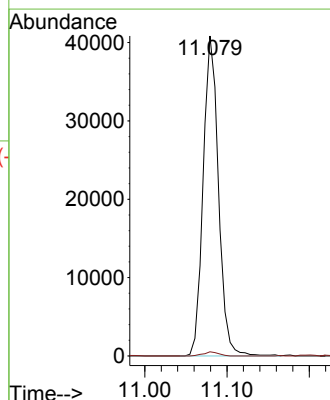
Acq: 03 Jun 2024 15:07

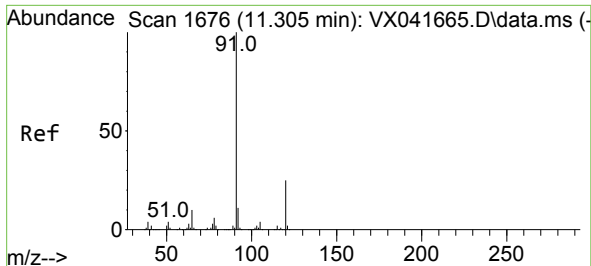
Tgt Ion: 75 Resp: 52954

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

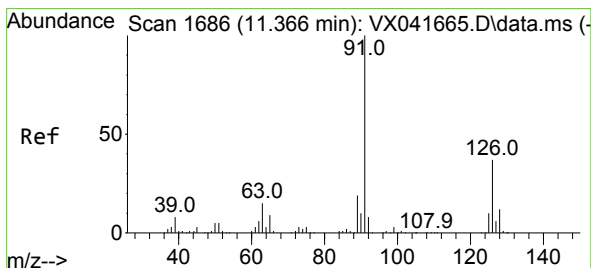
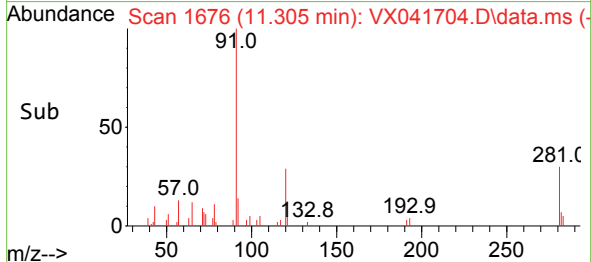
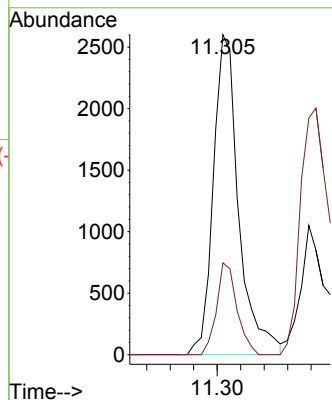
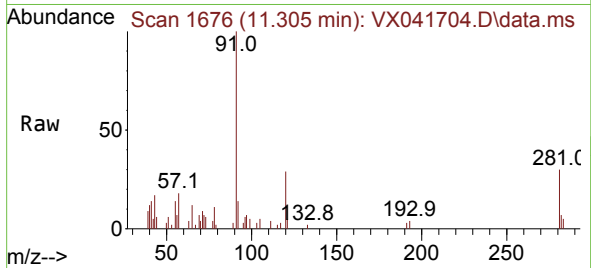




#78
n-propylbenzene
Concen: 0.475 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

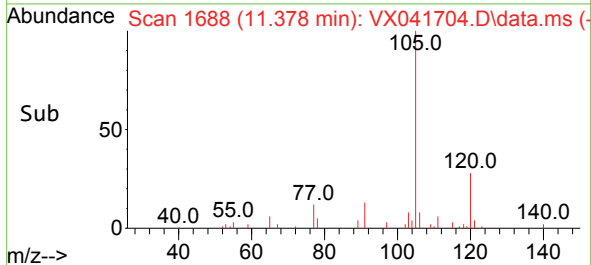
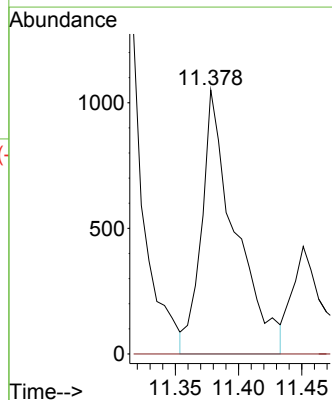
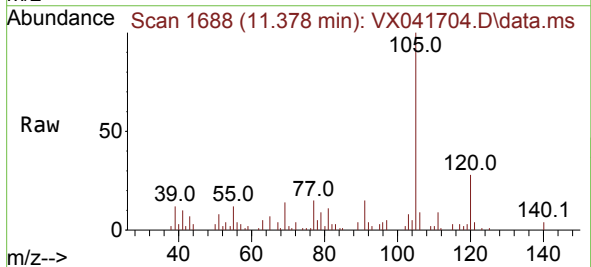
Instrument :
MSVOA_X
ClientSampleId :

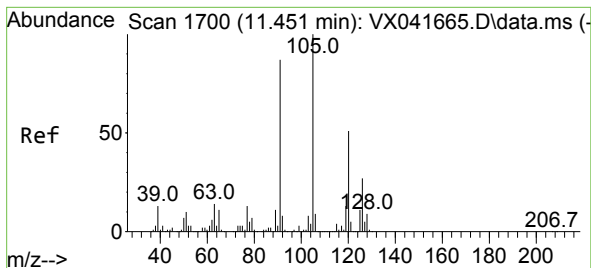
Tgt Ion: 91 Resp: 3897
Ion Ratio Lower Upper
91 100
120 23.1 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.367 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX041704.D
Acq: 03 Jun 2024 15:07

Tgt Ion: 91 Resp: 1935
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.721 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

Instrument :

MSVOA_X

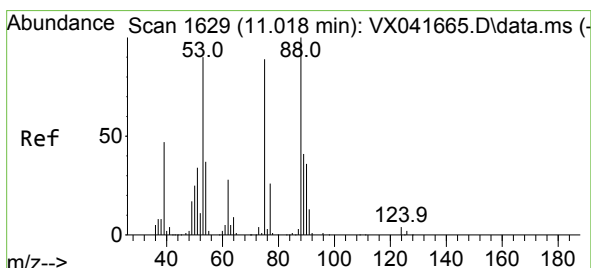
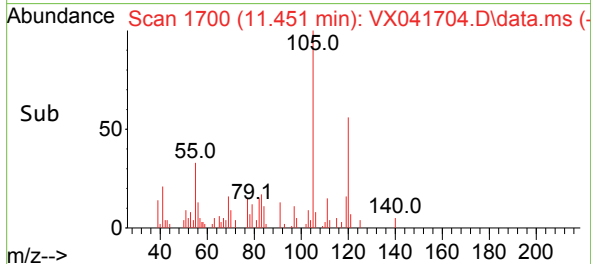
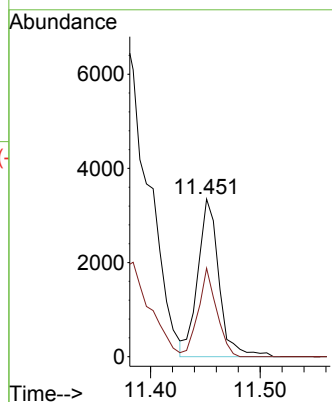
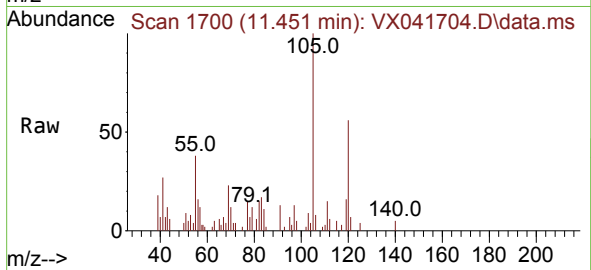
ClientSampleId :

Tgt Ion:105 Resp: 4496

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 68.692 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

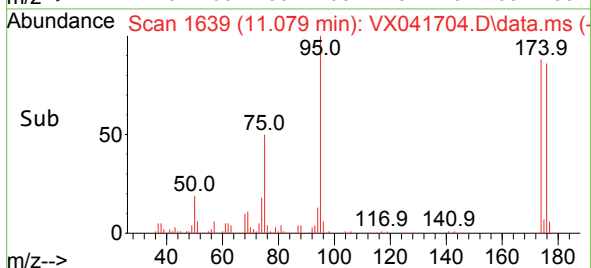
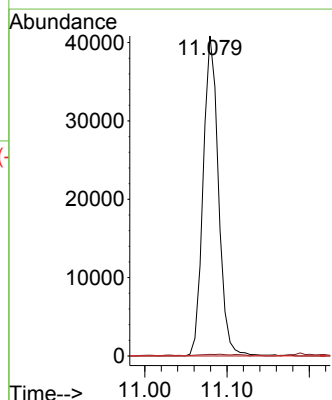
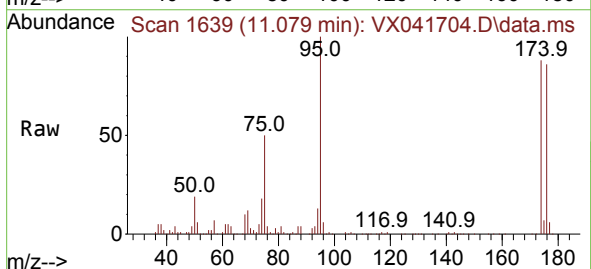
Tgt Ion: 75 Resp: 52954

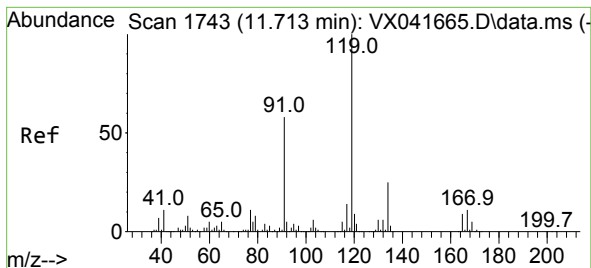
Ion Ratio Lower Upper

75 100

53 1.0 90.5 135.7#

89 0.0 36.9 55.3#





#83

tert-Butylbenzene

Concen: 0.560 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.256 min

Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

Instrument :

MSVOA_X

ClientSampleId :

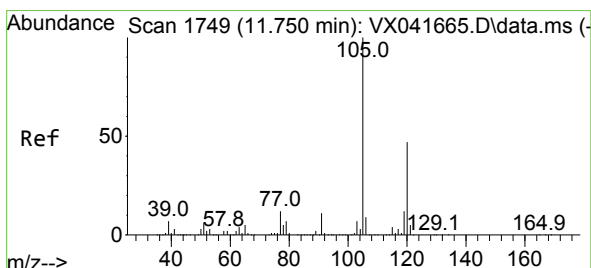
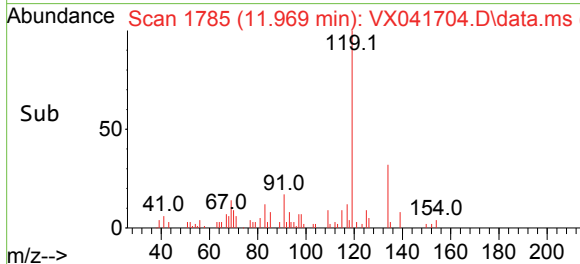
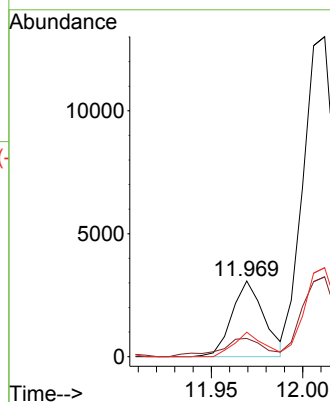
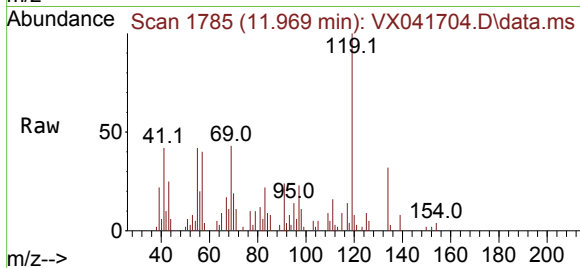
Tgt Ion:119 Resp: 3765

Ion Ratio Lower Upper

119 100

91 32.6 31.2 93.6

134 29.7 11.7 35.0



#84

1,2,4-Trimethylbenzene

Concen: 2.416 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX041704.D

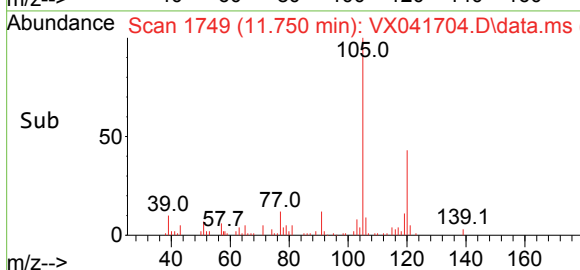
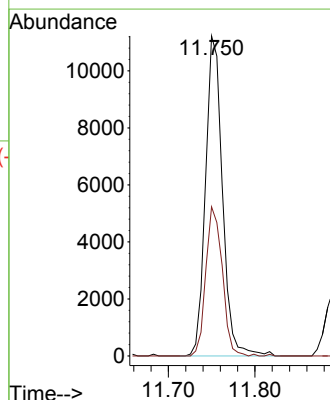
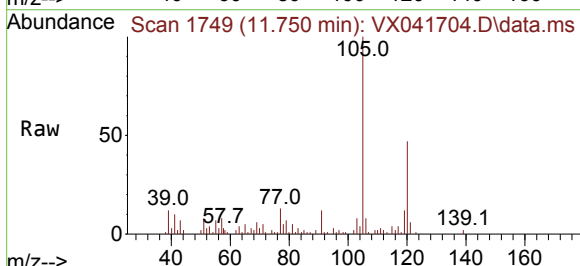
Acq: 03 Jun 2024 15:07

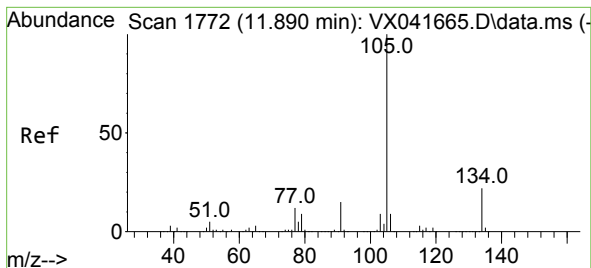
Tgt Ion:105 Resp: 15268

Ion Ratio Lower Upper

105 100

120 45.3 21.2 63.6





#85

sec-Butylbenzene

Concen: 0.396 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

Instrument :

MSVOA_X

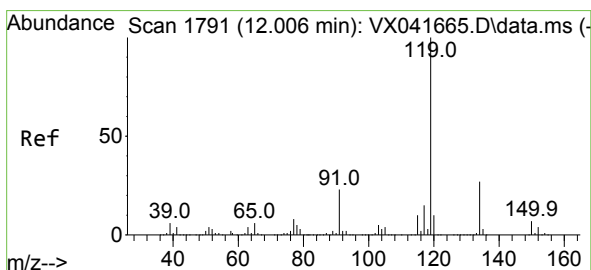
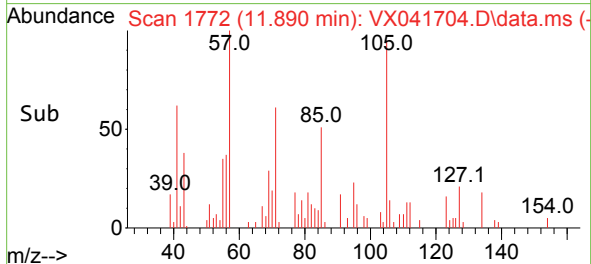
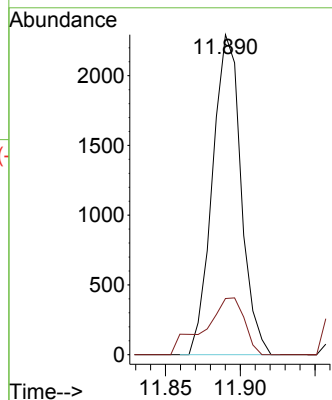
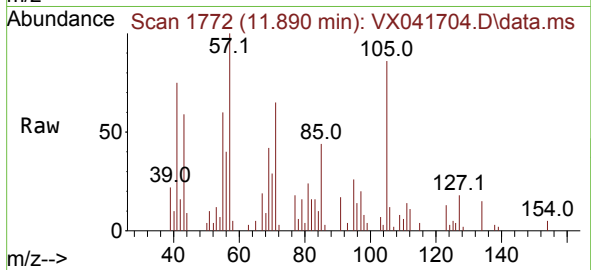
ClientSampleId :

Tgt Ion:105 Resp: 3051

Ion Ratio Lower Upper

105 100

134 24.7 9.8 29.4



#86

p-Isopropyltoluene

Concen: 2.446 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

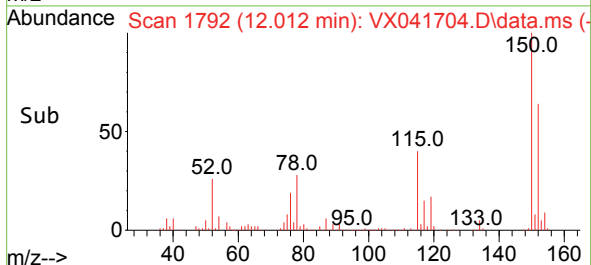
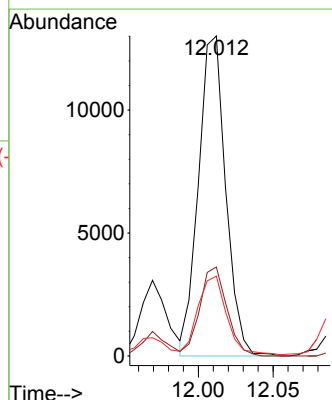
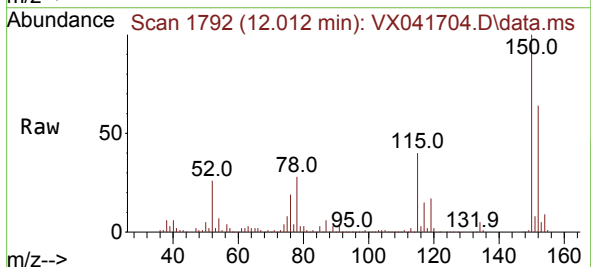
Tgt Ion:119 Resp: 16520

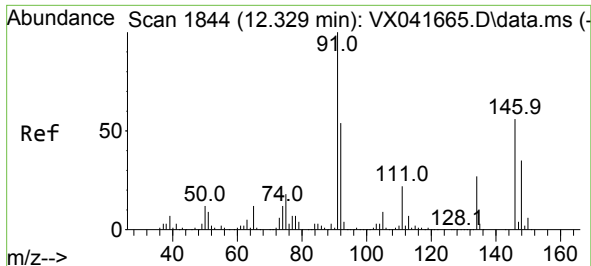
Ion Ratio Lower Upper

119 100

134 27.7 12.8 38.3

91 25.6 13.1 39.3





#89

n-Butylbenzene

Concen: 1.905 ug/l

RT: 12.103 min Scan# 1807

Delta R.T. -0.225 min

Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

Instrument :

MSVOA_X

ClientSampleId :

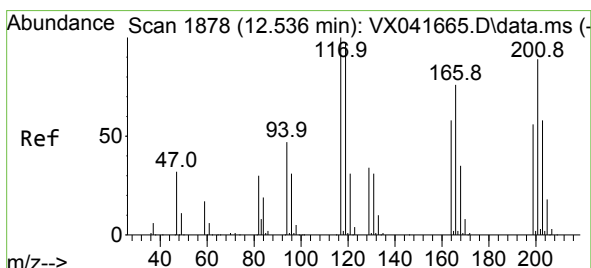
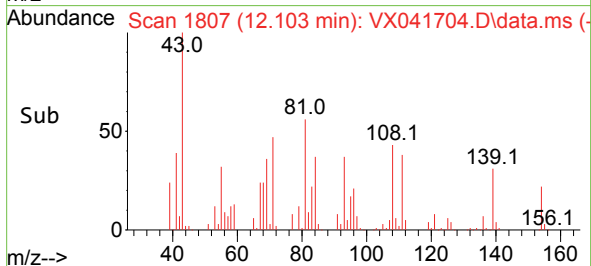
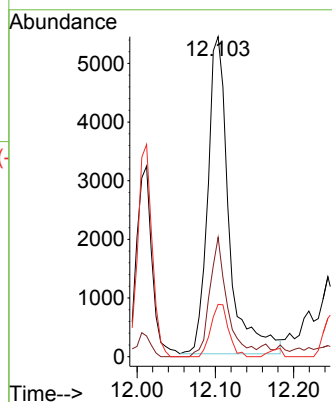
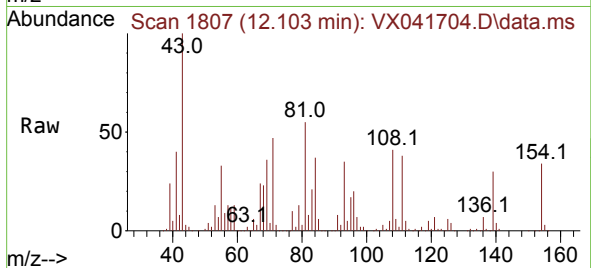
Tgt Ion: 91 Resp: 10186

Ion Ratio Lower Upper

91 100

92 31.2 27.4 82.0

134 13.6 12.6 37.8



#90

Hexachloroethane

Concen: 0.823 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.006 min

Lab File: VX041704.D

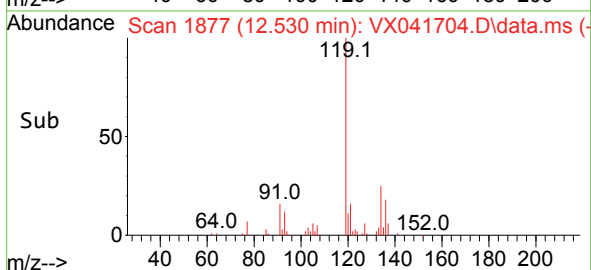
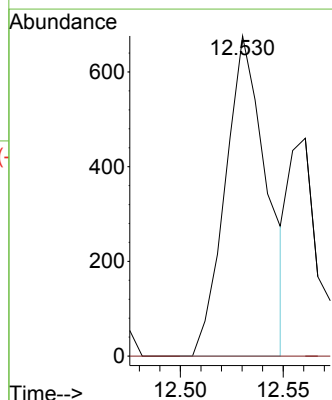
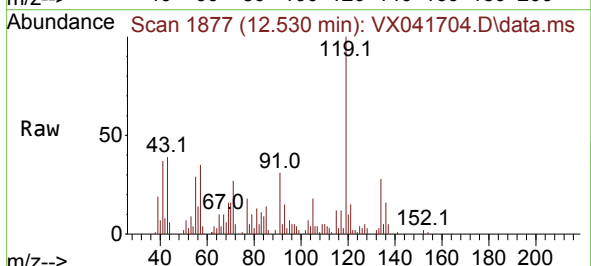
Acq: 03 Jun 2024 15:07

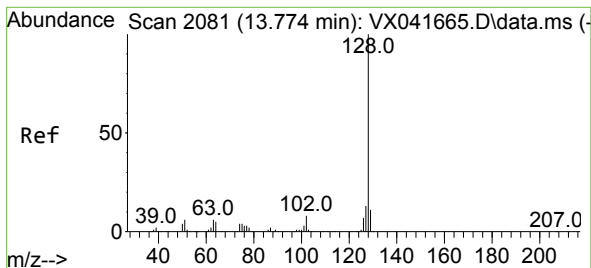
Tgt Ion: 117 Resp: 945

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#





#95

Naphthalene

Concen: 0.626 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX041704.D

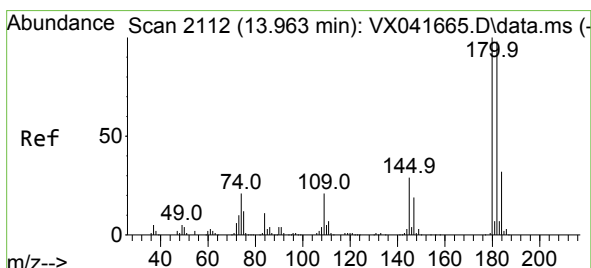
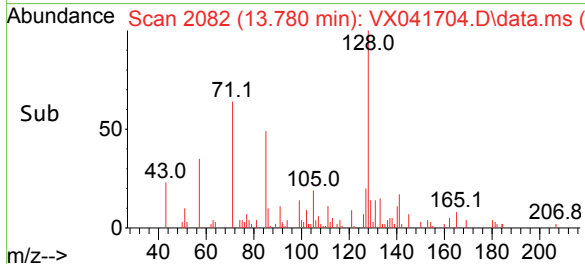
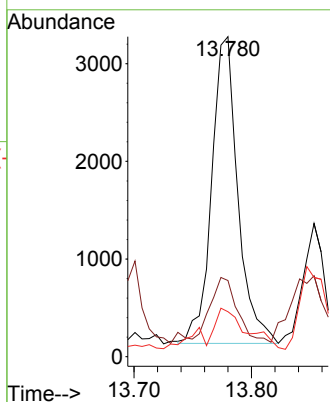
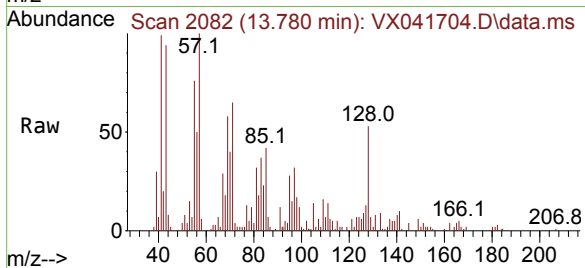
Acq: 03 Jun 2024 15:07

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	4884
Ion Ratio	Lower	Upper
128	100	
127	19.1	10.3 15.5#
129	20.5	8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.404 ug/l

RT: 13.975 min Scan# 2114

Delta R.T. 0.012 min

Lab File: VX041704.D

Acq: 03 Jun 2024 15:07

Tgt Ion:180	Resp:	1099
Ion Ratio	Lower	Upper
180	100	
182	13.7	46.9 140.6#
145	211.5	17.8 53.5#

