

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060524\
 Data File : VX041751.D
 Acq On : 05 Jun 2024 15:39
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 02:16:53 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)

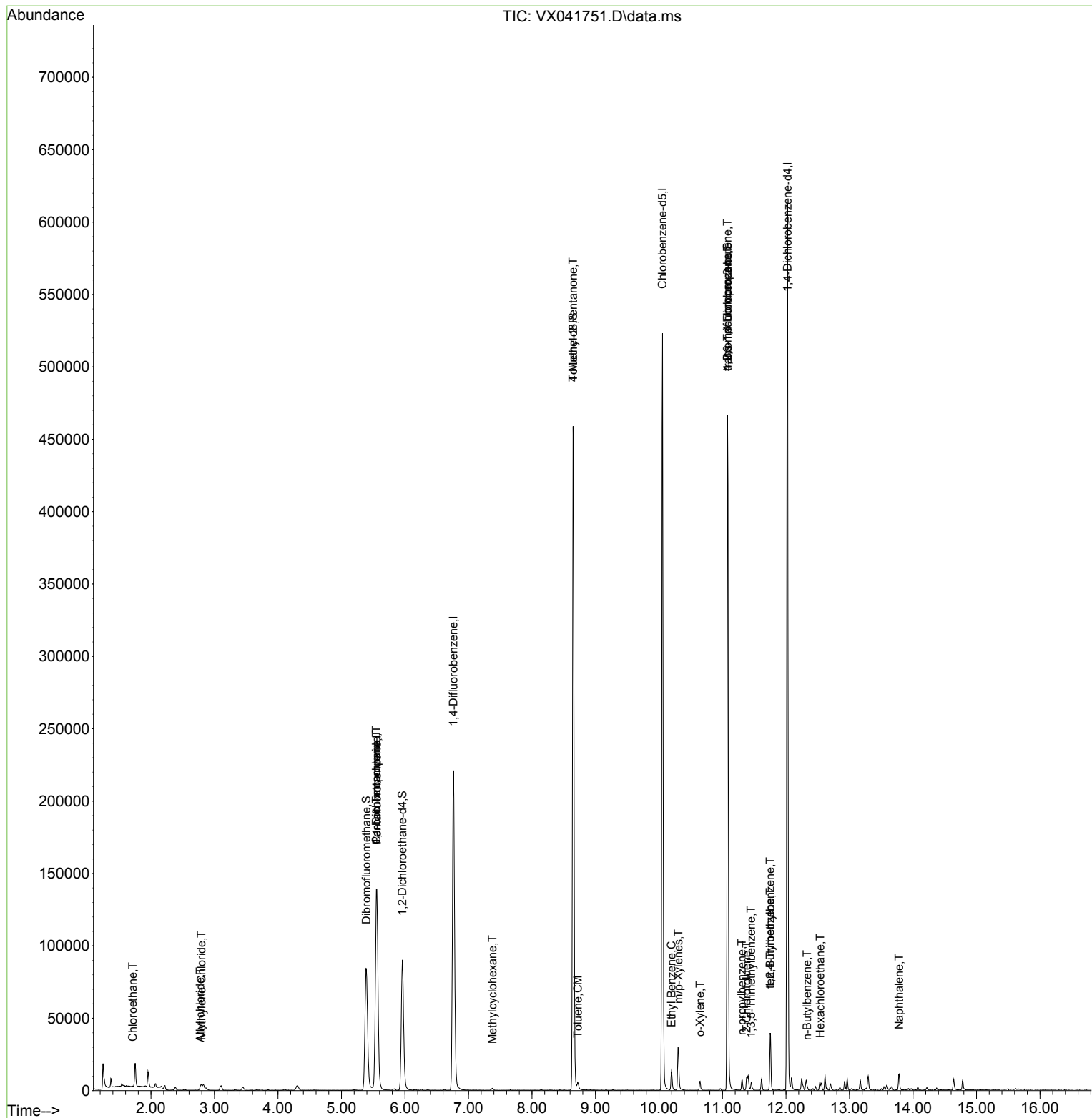
Internal Standards						
1) Pentafluorobenzene	5.556	168	147119	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	230588	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86781	48.095	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.200%		
35) Dibromofluoromethane	5.391	113	73108	45.857	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.720%		
50) Toluene-d8	8.647	98	274507	49.278	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.560%		
62) 4-Bromofluorobenzene	11.079	95	116876	56.846	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	113.700%		
Target Compounds						
						Qvalue
6) Chloroethane	1.715	64	202	0.230	ug/l	# 43
14) Allyl chloride	2.776	41	534	0.248	ug/l	# 81
20) Methylene Chloride	2.794	84	1277	0.791	ug/l	# 89
36) 1,1-Dichloropropene	5.550	75	9425	4.882	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	13283	6.056	ug/l	# 16
39) Methylcyclohexane	7.379	83	716	0.302	ug/l	# 71
51) 4-Methyl-2-Pentanone	8.647	43	1265	0.530	ug/l	# 1
52) Toluene	8.720	92	1894	0.495	ug/l	93
67) Ethyl Benzene	10.195	91	8112	0.989	ug/l	98
68) m/p-Xylenes	10.305	106	7806	2.393	ug/l	98
69) o-Xylene	10.647	106	1594	0.491	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	59299	23.780	ug/l	# 38
78) n-propylbenzene	11.305	91	5329	0.547	ug/l	97
79) 2-Chlorotoluene	11.378	91	1582	0.253	ug/l	# 42
80) 1,3,5-Trimethylbenzene	11.451	105	2754	0.372	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	59299	64.812	ug/l	# 5
83) tert-Butylbenzene	11.750	119	2352	0.295	ug/l	# 66
84) 1,2,4-Trimethylbenzene	11.750	105	18086	2.412	ug/l	90
89) n-Butylbenzene	12.329	91	1316	0.207	ug/l	# 39
90) Hexachloroethane	12.536	117	343	0.252	ug/l	# 17
95) Naphthalene	13.780	128	8405	0.908	ug/l	99

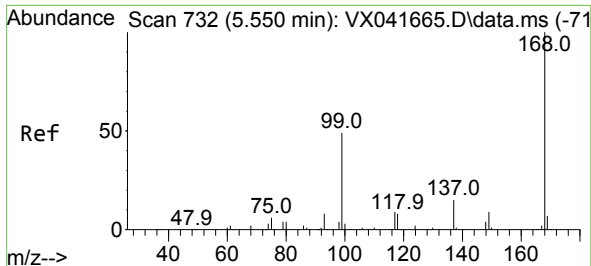
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

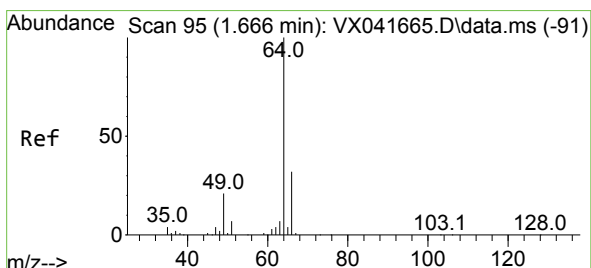
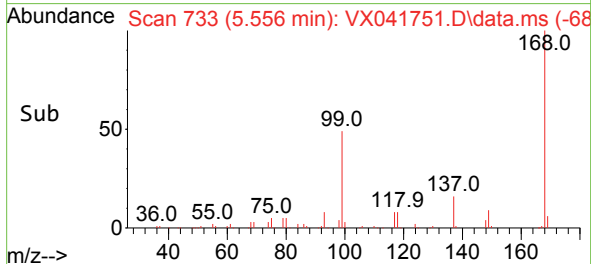
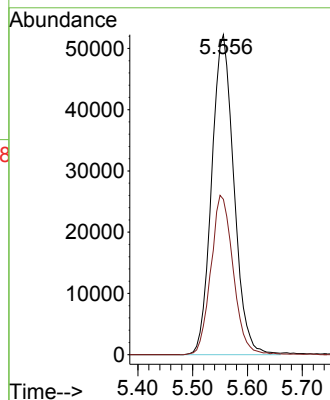
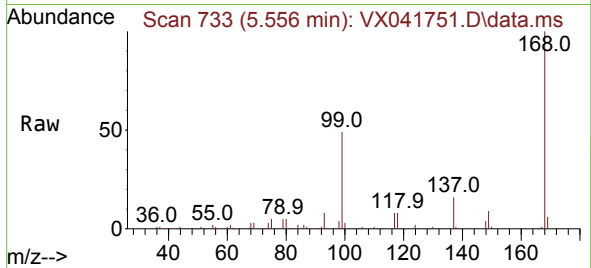




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

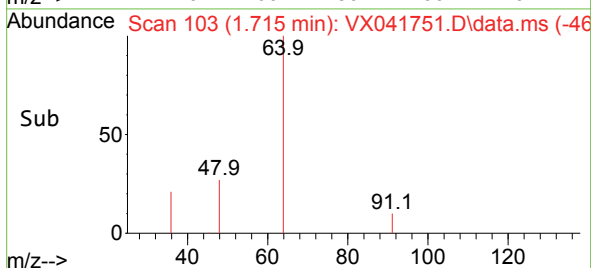
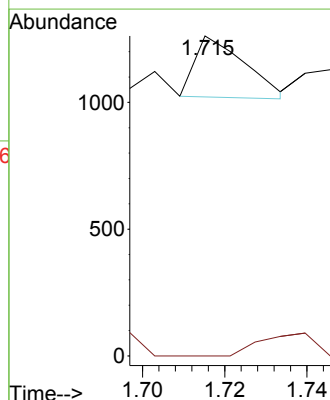
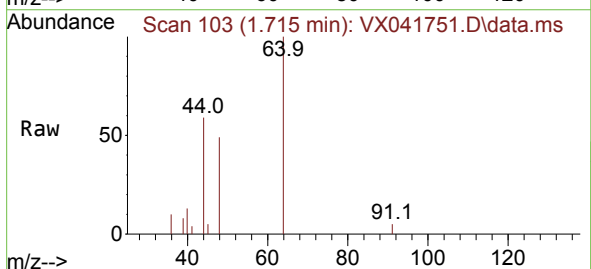
Instrument :
MSVOA_X
ClientSampleId :

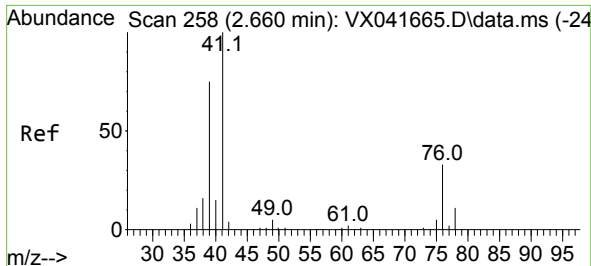
Tgt Ion:168 Resp: 147119
Ion Ratio Lower Upper
168 100
99 48.5 56.6 85.0#



#6
Chloroethane
Concen: 0.230 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.049 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

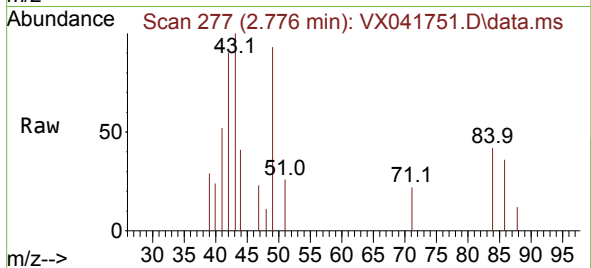
Tgt Ion: 64 Resp: 202
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



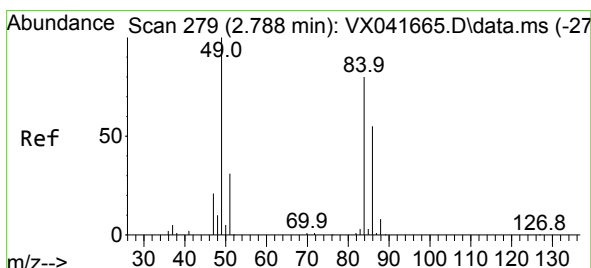
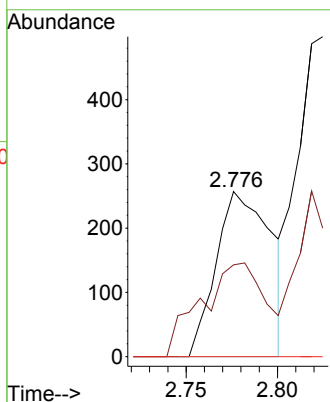
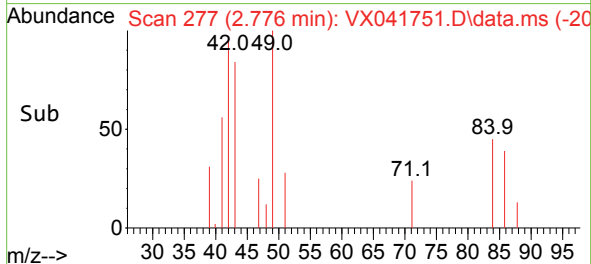


#14
 Allyl chloride
 Concen: 0.248 ug/l
 RT: 2.776 min Scan# 21
 Delta R.T. 0.116 min
 Lab File: VX041751.D
 Acq: 05 Jun 2024 15:39

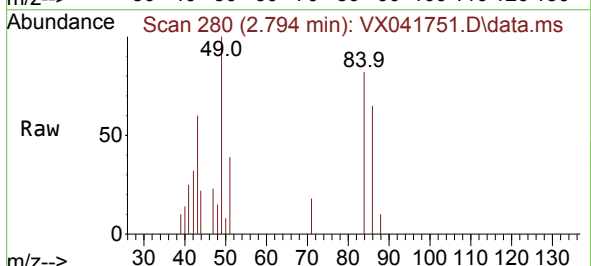
Instrument :
 MSVOA_X
 ClientSampleId :



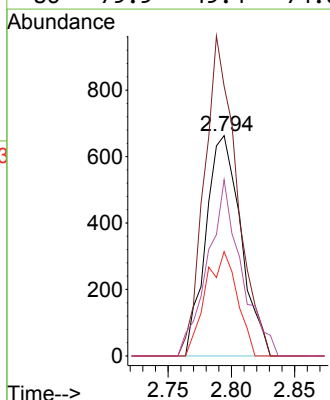
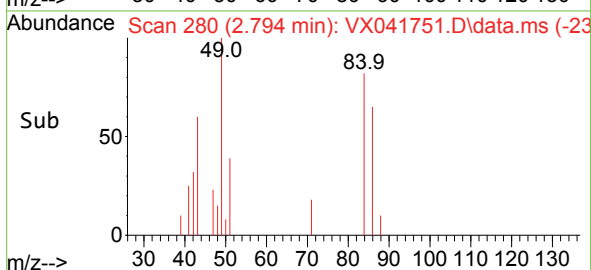
Tgt Ion: 41 Resp: 534
 Ion Ratio Lower Upper
 41 100
 39 66.9 55.8 83.6
 76 0.0 24.3 36.5#

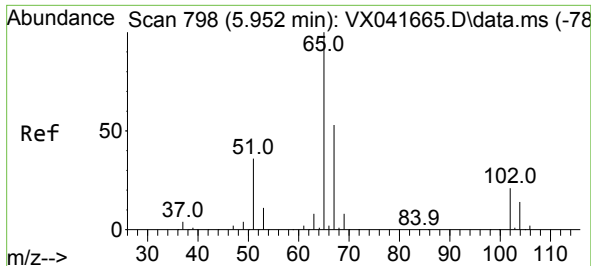


#20
 Methylene Chloride
 Concen: 0.791 ug/l
 RT: 2.794 min Scan# 280
 Delta R.T. 0.006 min
 Lab File: VX041751.D
 Acq: 05 Jun 2024 15:39



Tgt Ion: 84 Resp: 1277
 Ion Ratio Lower Upper
 84 100
 49 122.5 103.6 155.4
 51 47.4 33.8 50.6
 86 79.9 49.4 74.0#





#33

1,2-Dichloroethane-d4

Concen: 48.095 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041751.D

Acq: 05 Jun 2024 15:39

Instrument :

MSVOA_X

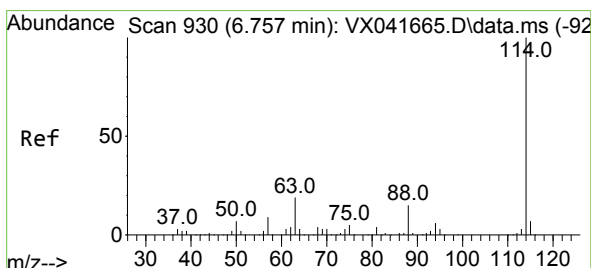
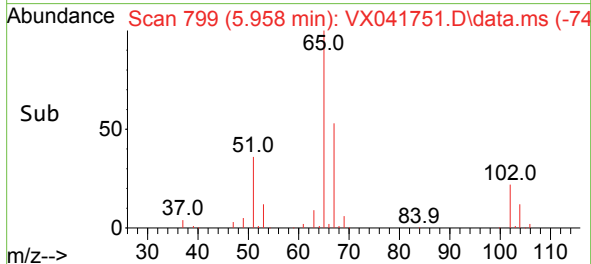
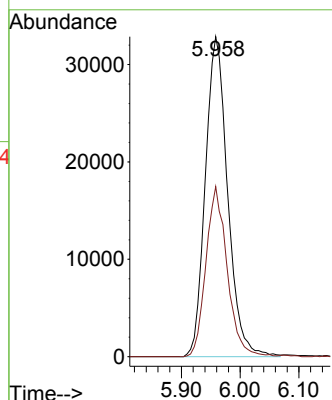
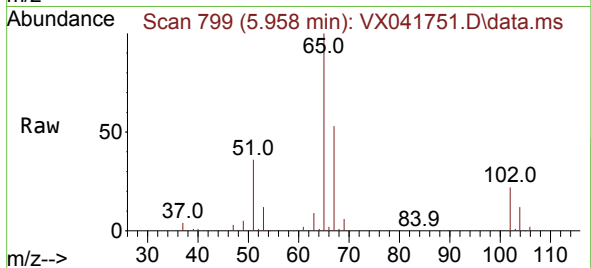
ClientSampleId :

Tgt Ion: 65 Resp: 86781

Ion Ratio Lower Upper

65 100

67 50.7 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: VX041751.D

Acq: 05 Jun 2024 15:39

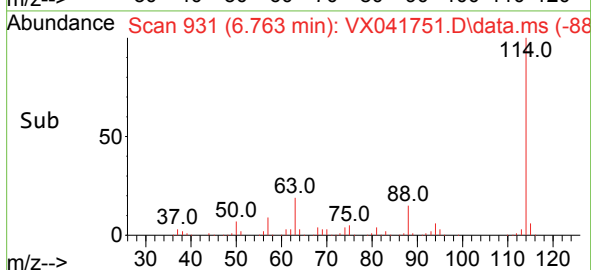
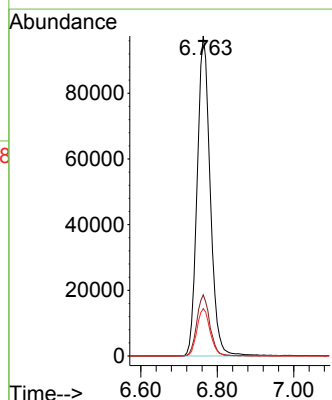
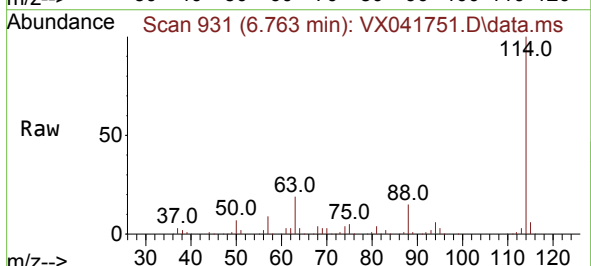
Tgt Ion: 114 Resp: 230588

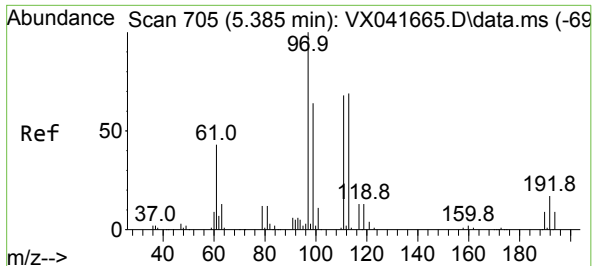
Ion Ratio Lower Upper

114 100

63 19.1 0.0 45.0

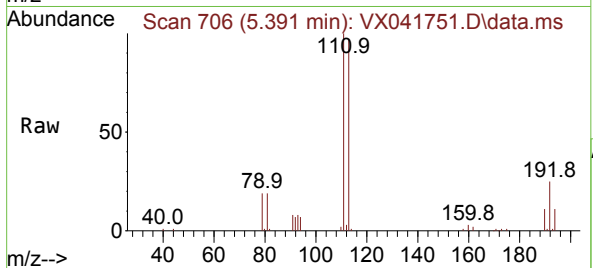
88 14.8 0.0 36.6



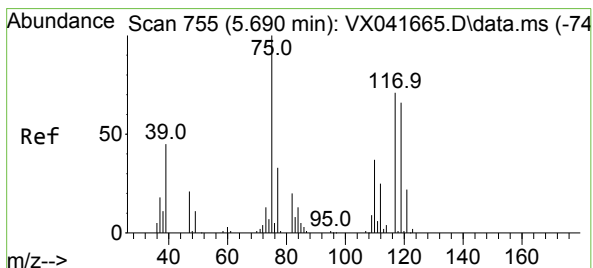
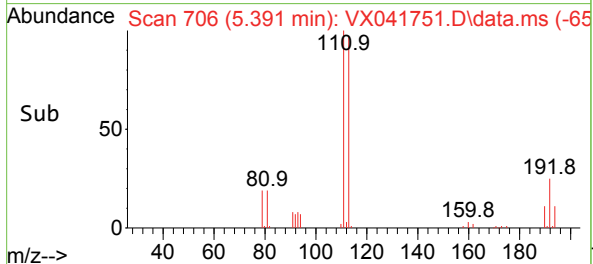
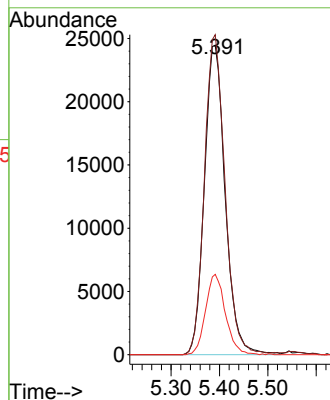


#35
Dibromofluoromethane
Concen: 45.857 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

Instrument :
MSVOA_X
ClientSampleId :

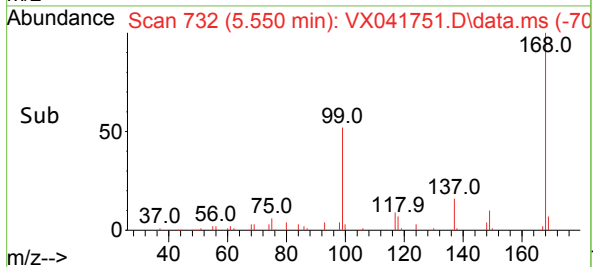
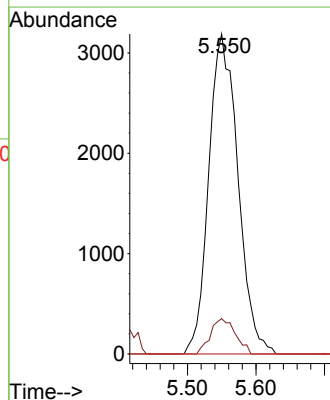
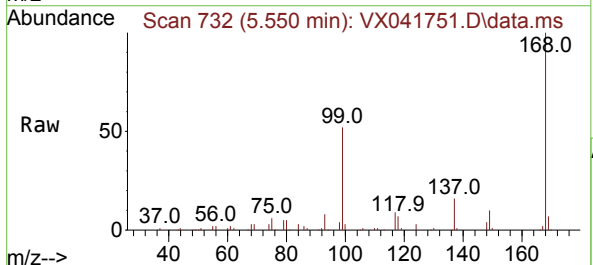


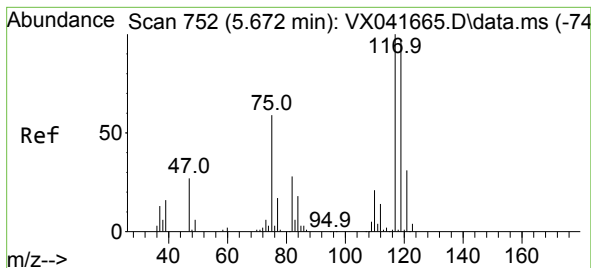
Tgt Ion:113 Resp: 73108
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 24.8 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.882 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

Tgt Ion: 75 Resp: 9425
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.056 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

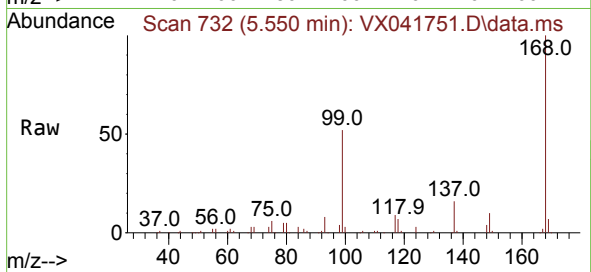
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Acq: 05 Jun 2024 15:39

Instrument :

MSVOA_X

ClientSampleId :



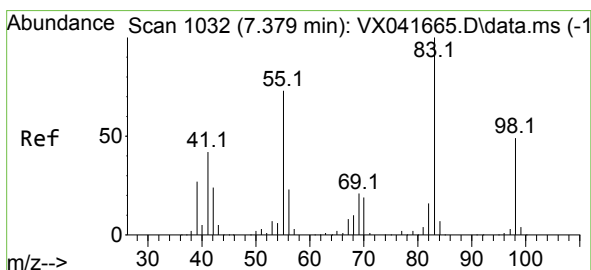
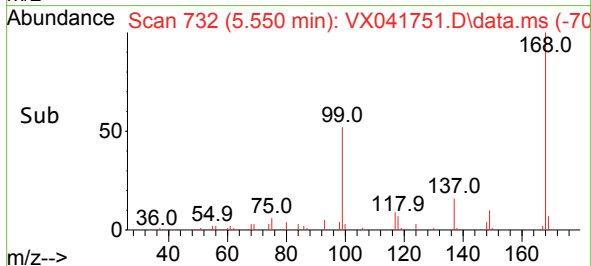
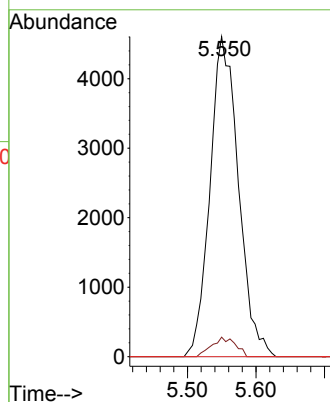
Tgt Ion:117 Resp: 13283

Ion Ratio Lower Upper

117 100

119 6.1 78.2 117.2#

121 0.0 24.4 36.6#



#39

Methylcyclohexane

Concen: 0.302 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX041751.D

Acq: 05 Jun 2024 15:39

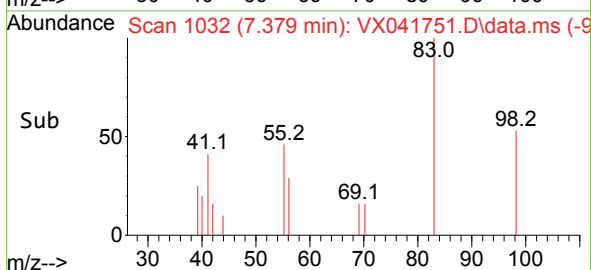
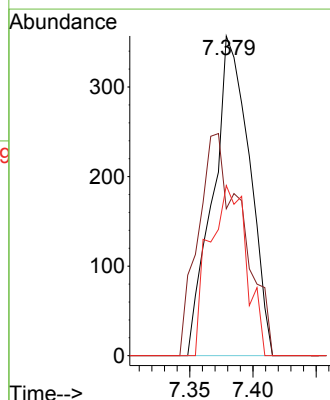
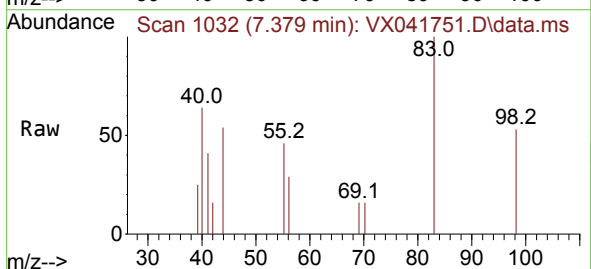
Tgt Ion: 83 Resp: 716

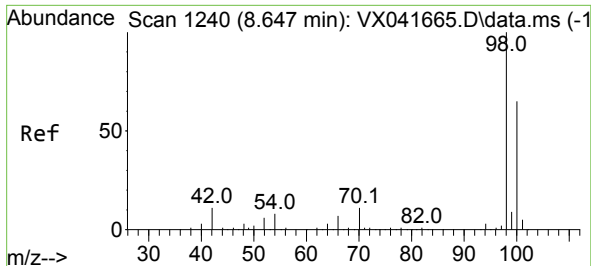
Ion Ratio Lower Upper

83 100

55 45.9 64.6 97.0#

98 53.2 36.7 55.1

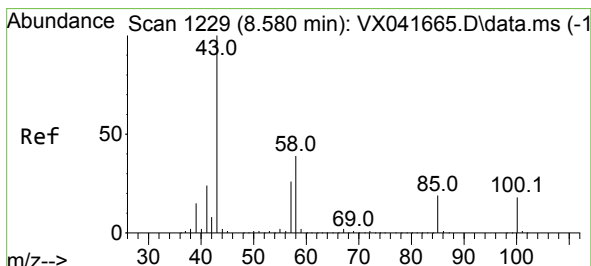
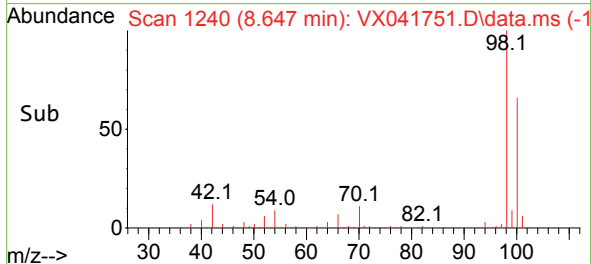
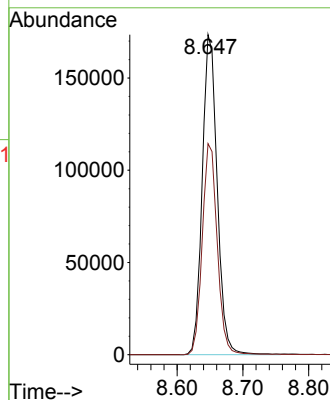
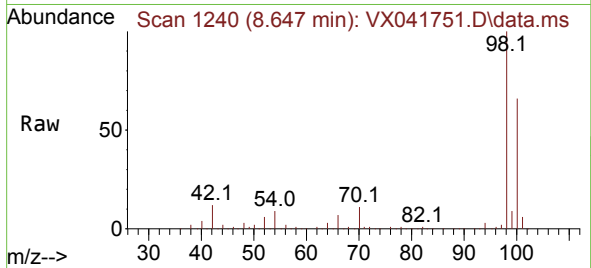




#50
Toluene-d8
Concen: 49.278 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

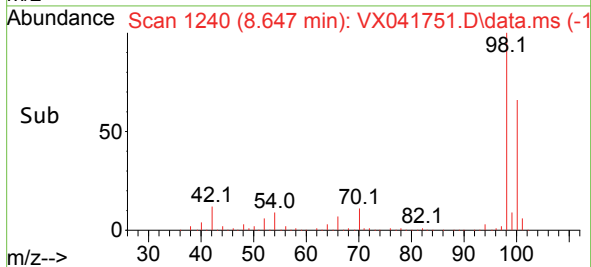
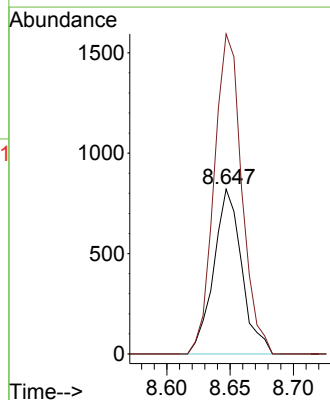
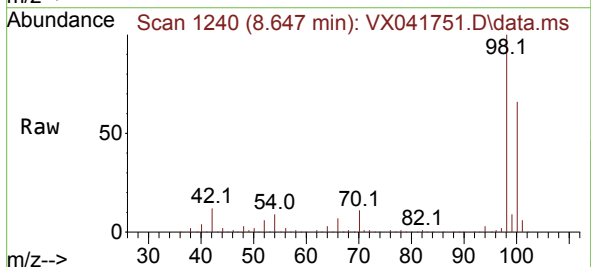
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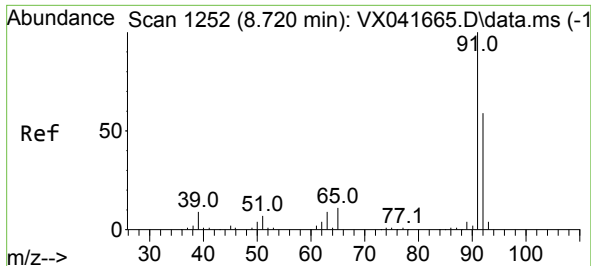
Tgt Ion: 98 Resp: 274507
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.530 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
58 191.9 30.4 45.6#

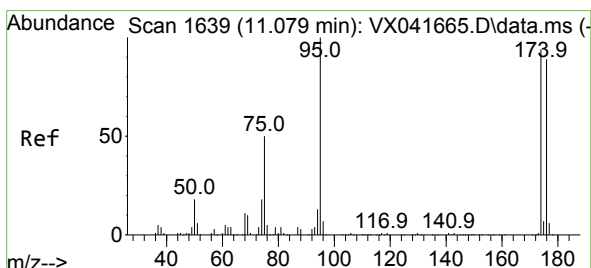
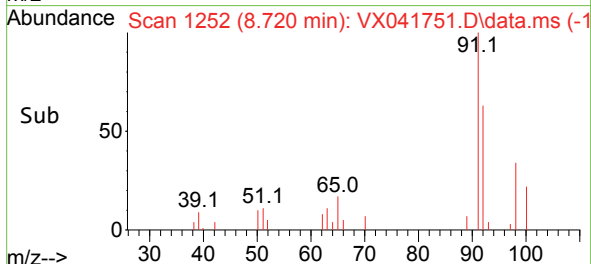
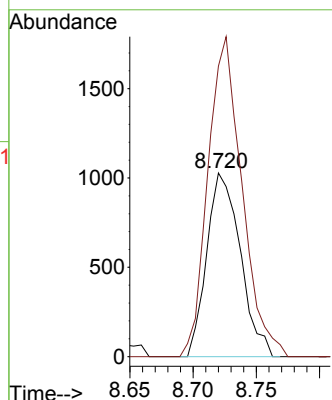
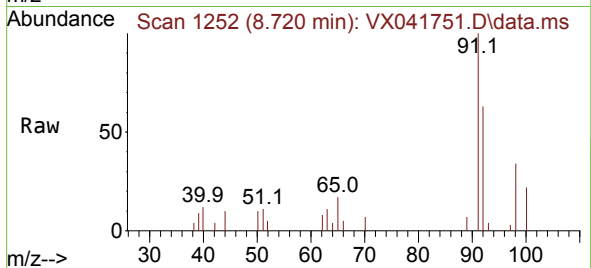




#52
Toluene
Concen: 0.495 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

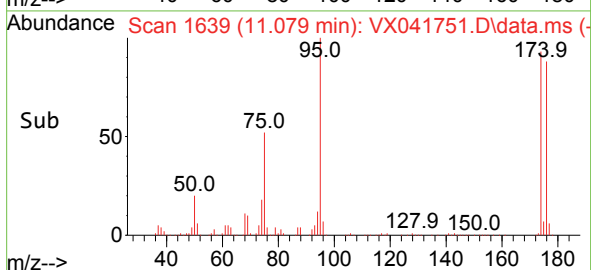
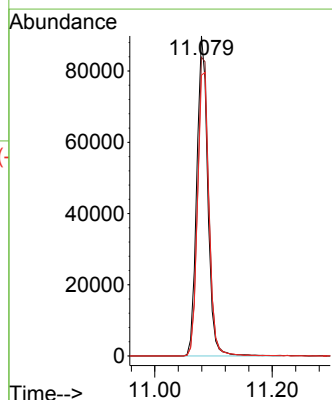
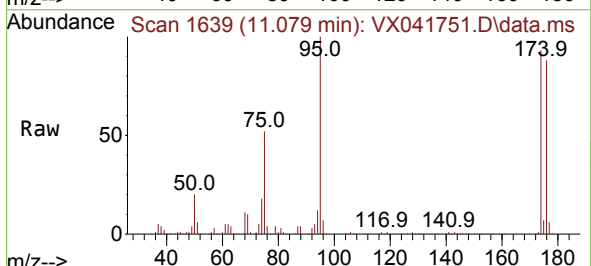
Instrument :
MSVOA_X
ClientSampleId :

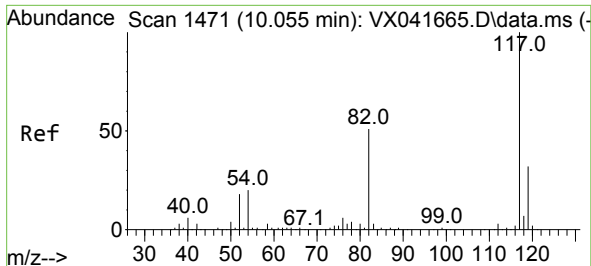
Tgt Ion: 92 Resp: 1894
Ion Ratio Lower Upper
92 100
91 177.2 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 56.846 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

Tgt Ion: 95 Resp: 116876
Ion Ratio Lower Upper
95 100
174 96.0 0.0 135.6
176 92.1 0.0 131.0

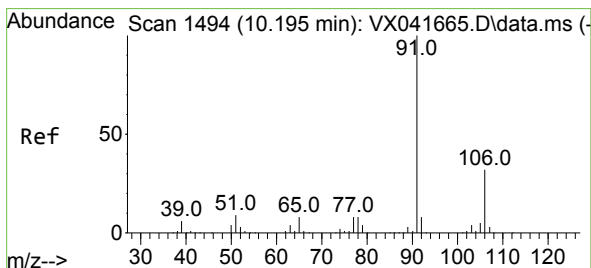
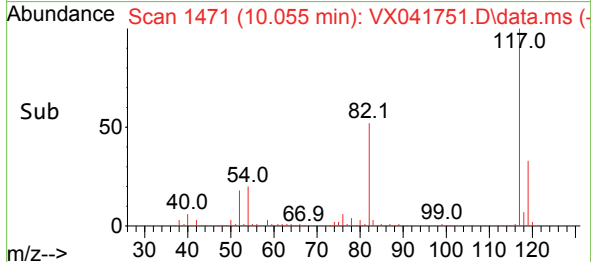
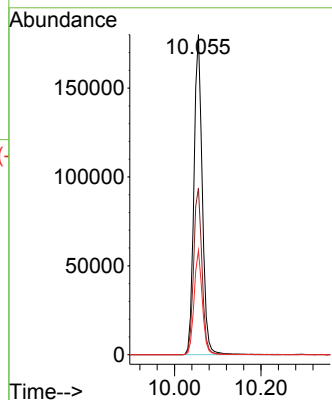
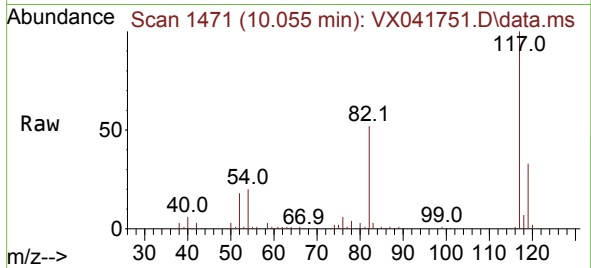




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

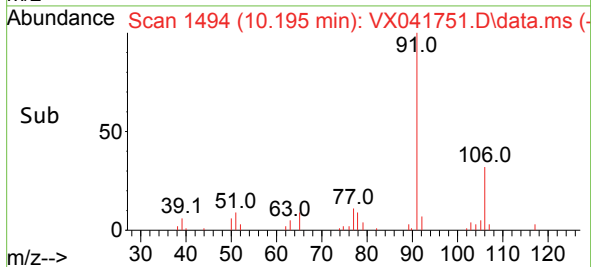
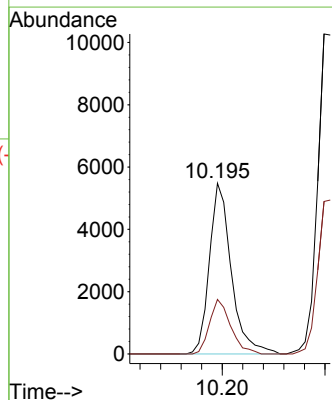
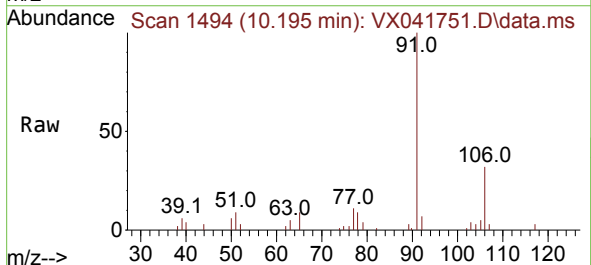
Instrument :
MSVOA_X
ClientSampleId :

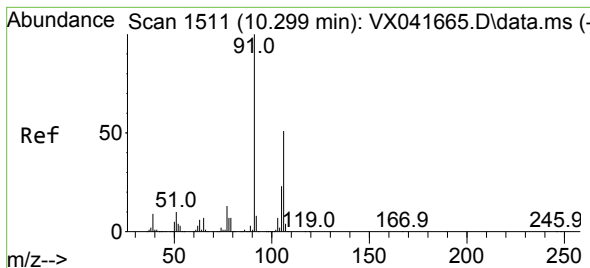
Tgt Ion:117 Resp: 239787
Ion Ratio Lower Upper
117 100
82 52.1 46.2 69.4
119 32.6 25.5 38.3



#67
Ethyl Benzene
Concen: 0.989 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

Tgt Ion: 91 Resp: 8112
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

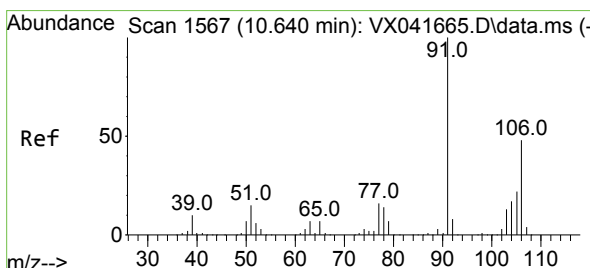
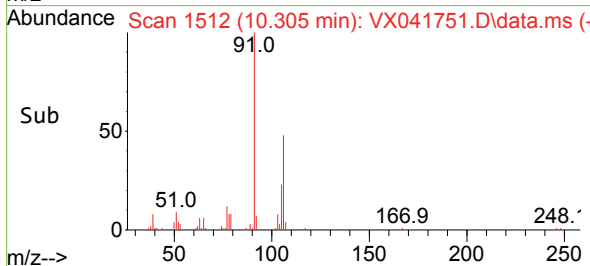
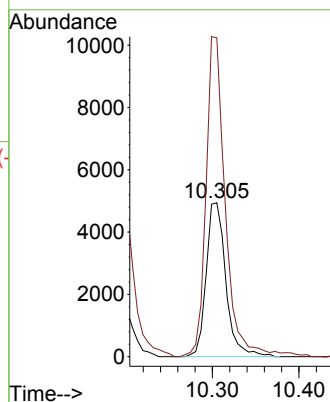
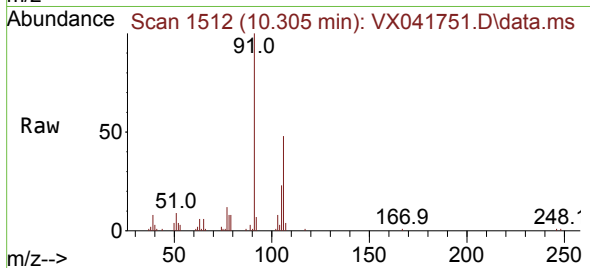




#68
m/p-Xylenes
Concen: 2.393 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

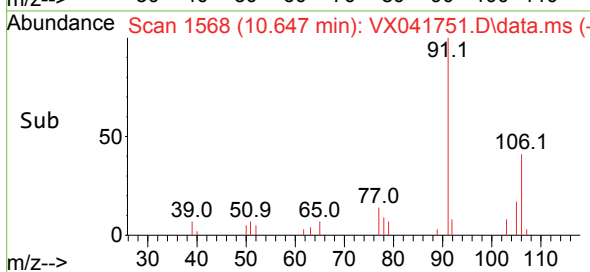
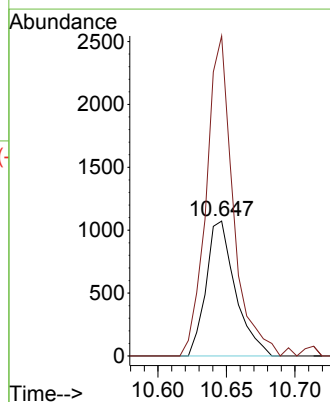
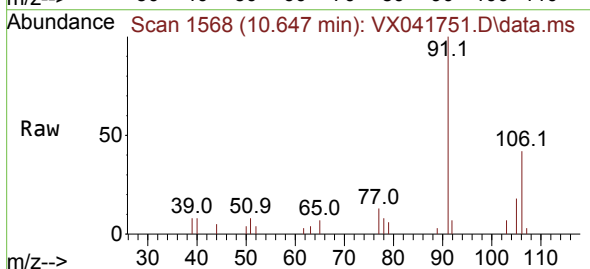
Instrument :
MSVOA_X
ClientSampleId :

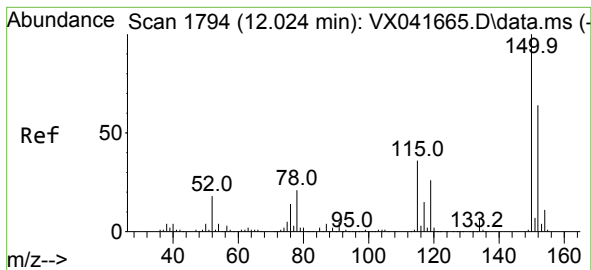
Tgt Ion:106 Resp: 7806
Ion Ratio Lower Upper
106 100
91 204.4 165.5 248.3



#69
o-Xylene
Concen: 0.491 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

Tgt Ion:106 Resp: 1594
Ion Ratio Lower Upper
106 100
91 218.8 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041751.D

Acq: 05 Jun 2024 15:39

Instrument :

MSVOA_X

ClientSampleId :

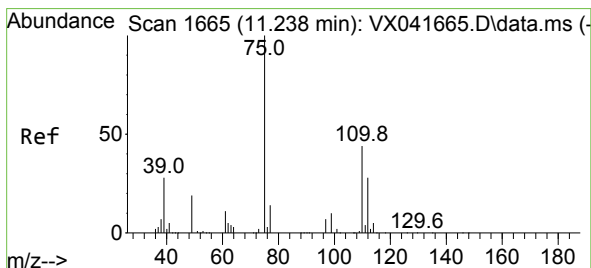
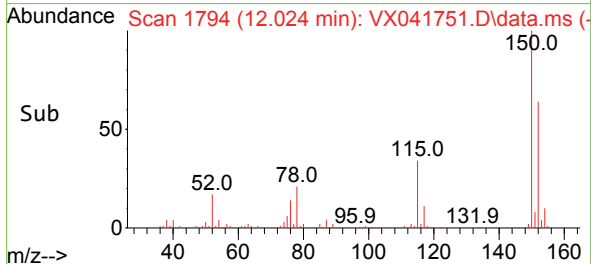
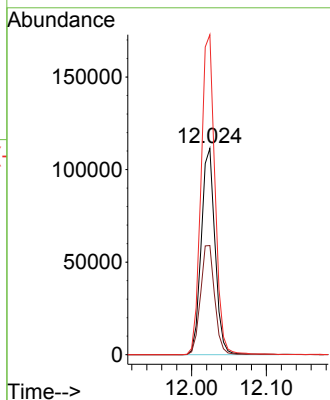
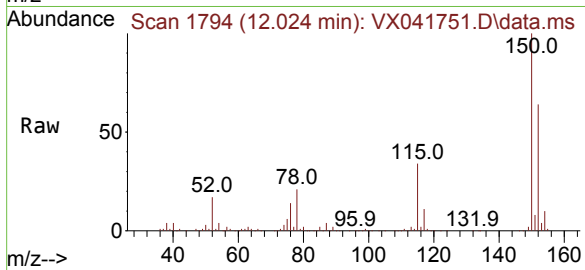
Tgt Ion:152 Resp: 142921

Ion Ratio Lower Upper

152 100

115 54.4 43.3 129.9

150 157.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.780 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041751.D

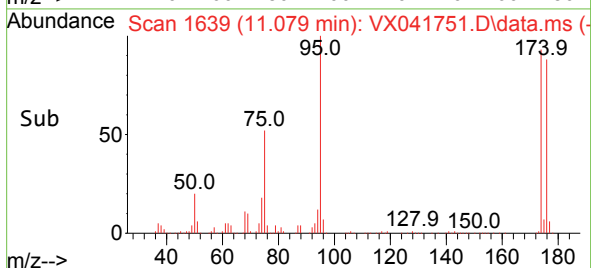
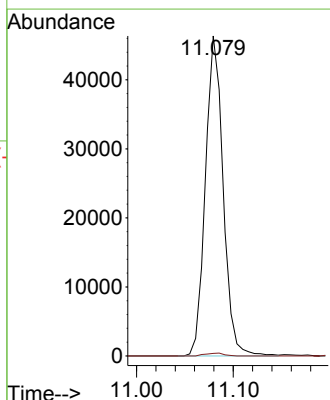
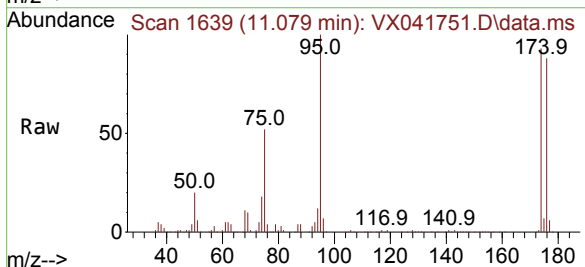
Acq: 05 Jun 2024 15:39

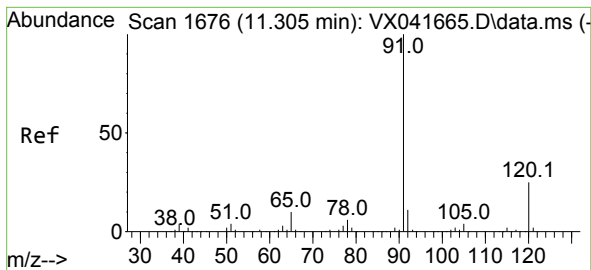
Tgt Ion: 75 Resp: 59299

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#





#78

n-propylbenzene

Concen: 0.547 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX041751.D

Acq: 05 Jun 2024 15:39

Instrument :

MSVOA_X

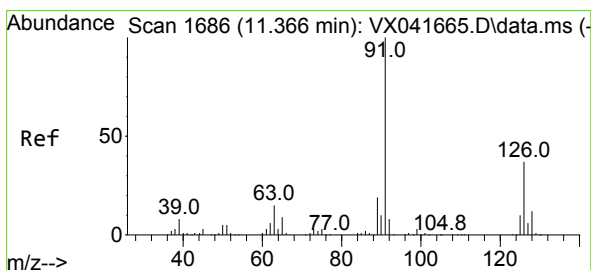
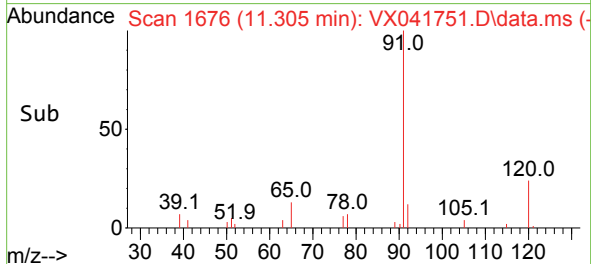
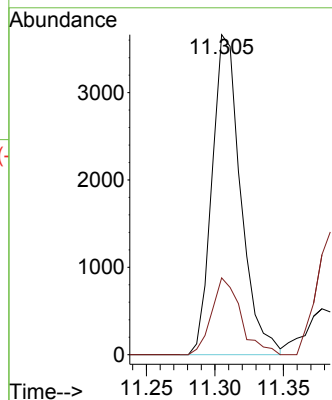
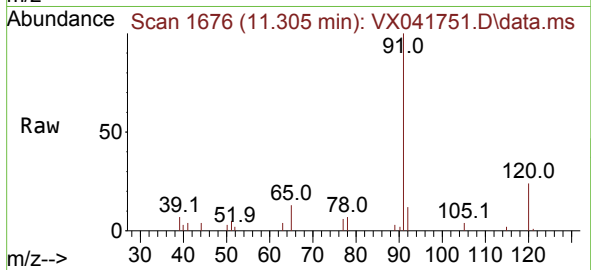
ClientSampleId :

Tgt Ion: 91 Resp: 5329

Ion Ratio Lower Upper

91 100

120 24.4 11.5 34.4



#79

2-Chlorotoluene

Concen: 0.253 ug/l

RT: 11.378 min Scan# 1688

Delta R.T. 0.012 min

Lab File: VX041751.D

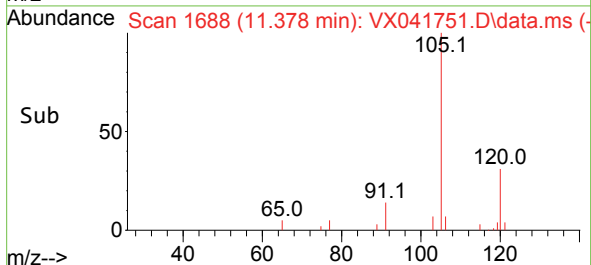
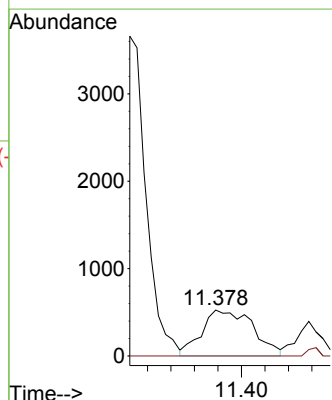
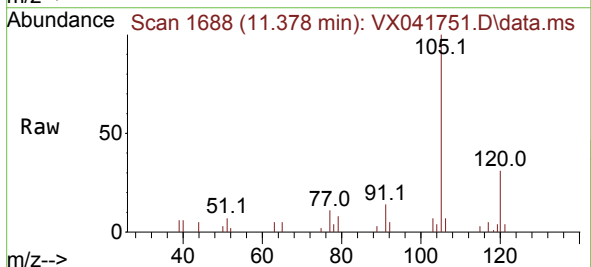
Acq: 05 Jun 2024 15:39

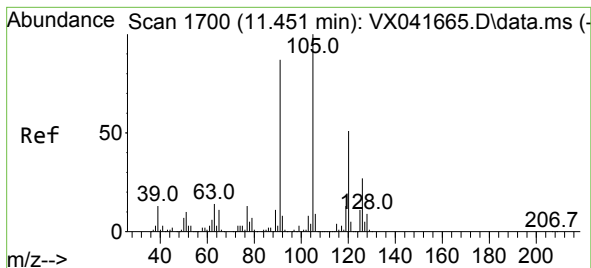
Tgt Ion: 91 Resp: 1582

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.372 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041751.D

Acq: 05 Jun 2024 15:39

Instrument :

MSVOA_X

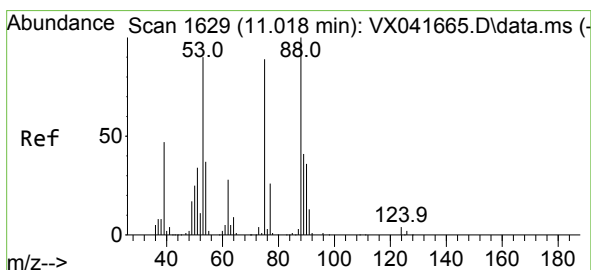
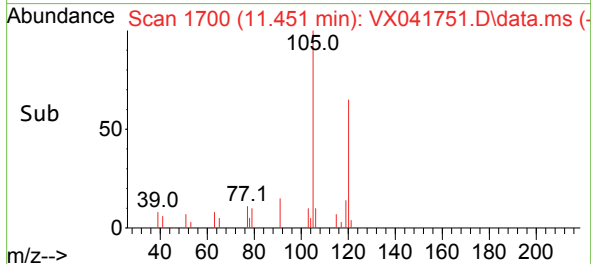
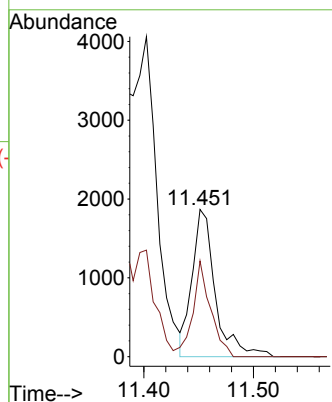
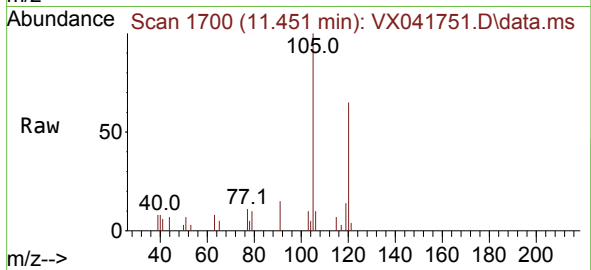
ClientSampleId :

Tgt Ion:105 Resp: 2754

Ion Ratio Lower Upper

105 100

120 49.7 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 64.812 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041751.D

Acq: 05 Jun 2024 15:39

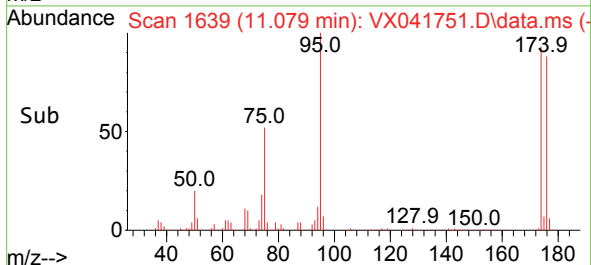
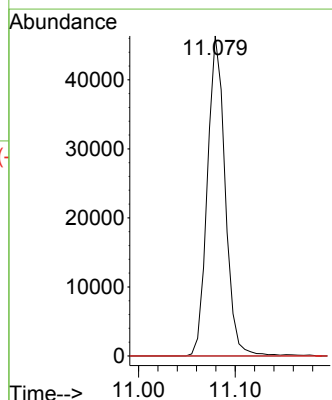
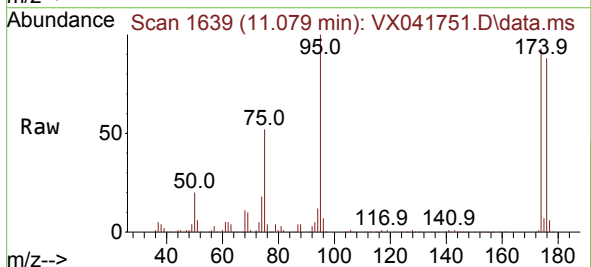
Tgt Ion: 75 Resp: 59299

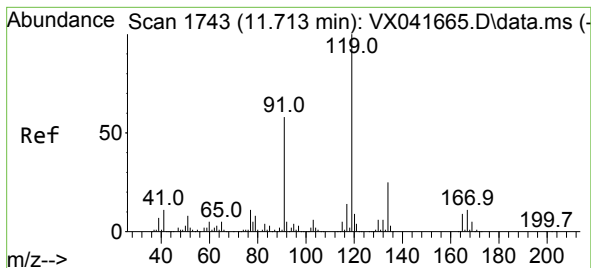
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#83

tert-Butylbenzene

Concen: 0.295 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.037 min

Lab File: VX041751.D

Acq: 05 Jun 2024 15:39

Instrument :

MSVOA_X

ClientSampleId :

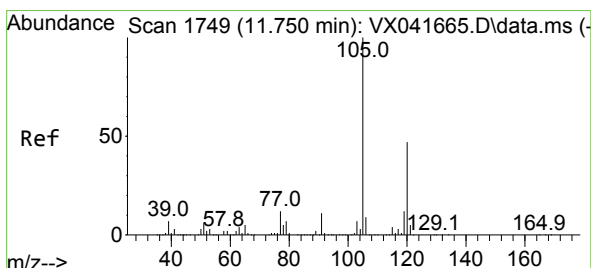
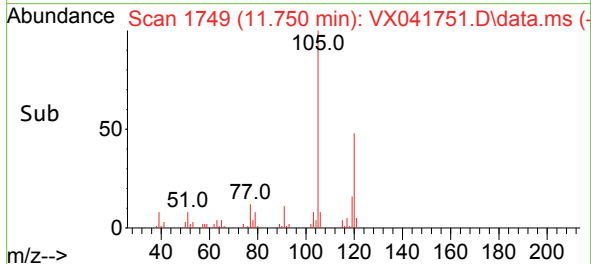
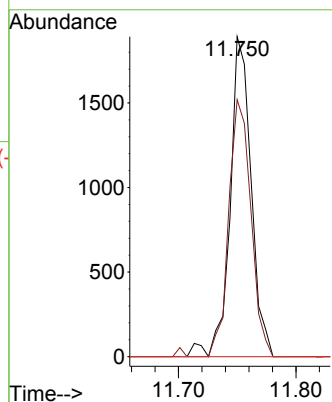
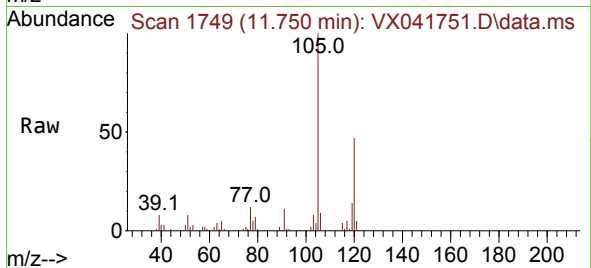
Tgt Ion:119 Resp: 2352

Ion Ratio Lower Upper

119 100

91 84.5 31.2 93.6

134 0.0 11.7 35.0#



#84

1,2,4-Trimethylbenzene

Concen: 2.412 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX041751.D

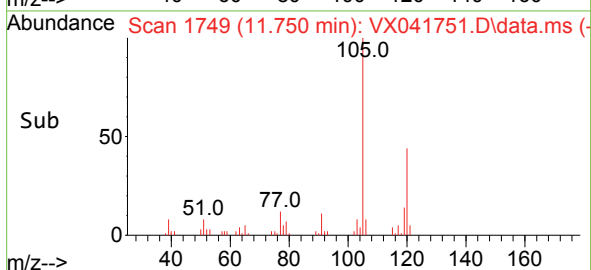
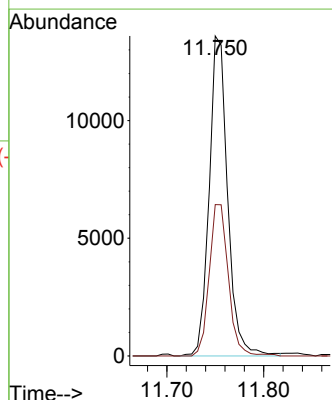
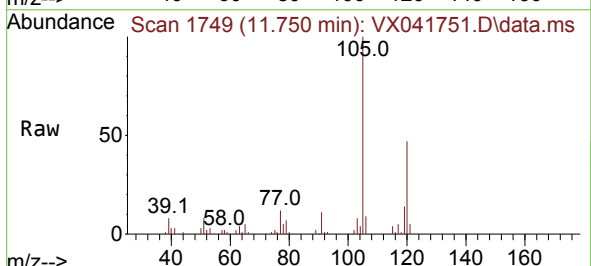
Acq: 05 Jun 2024 15:39

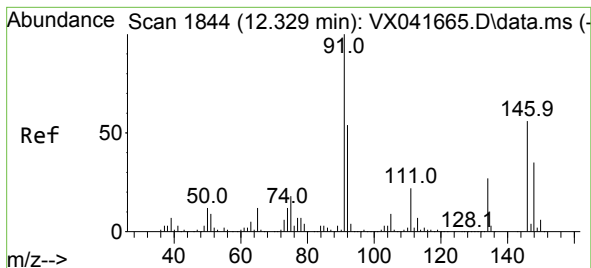
Tgt Ion:105 Resp: 18086

Ion Ratio Lower Upper

105 100

120 48.9 21.2 63.6





#89

n-Butylbenzene

Concen: 0.207 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX041751.D

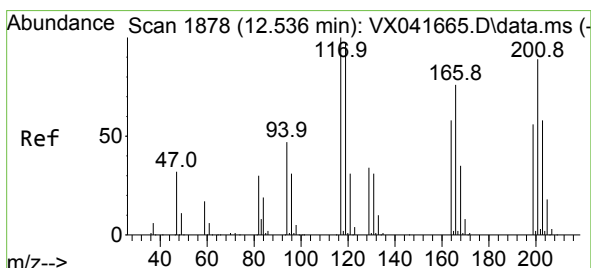
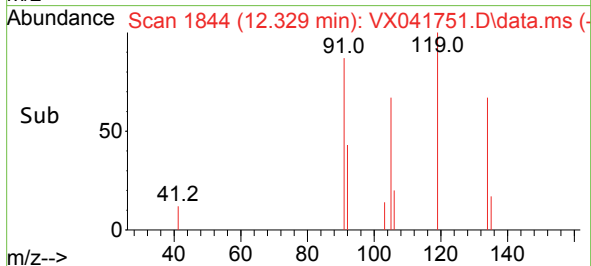
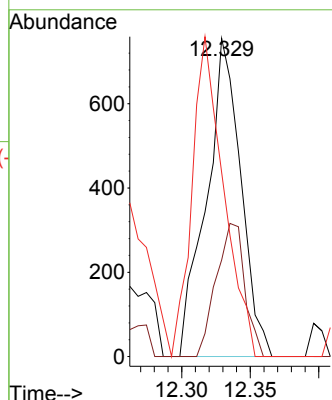
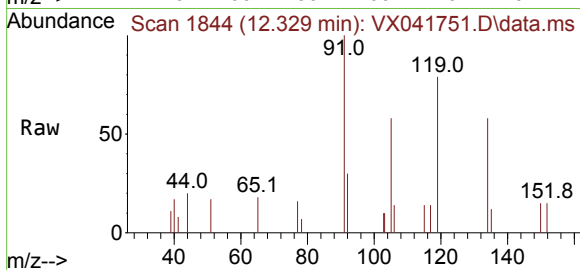
Acq: 05 Jun 2024 15:39

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 91	Resp:	1316
Ion	Ratio	Lower Upper
91	100	
92	34.8	27.4 82.0
134	92.3	12.6 37.8#



#90

Hexachloroethane

Concen: 0.252 ug/l

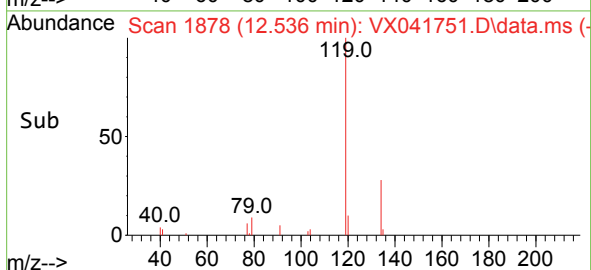
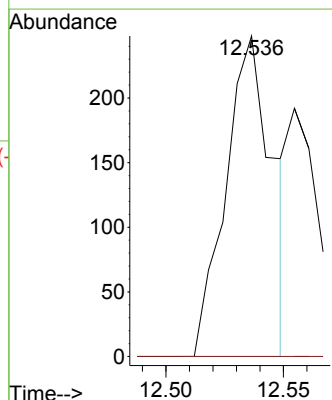
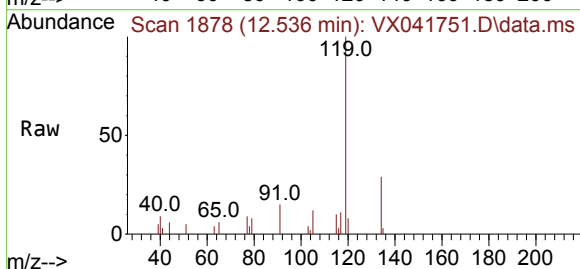
RT: 12.536 min Scan# 1878

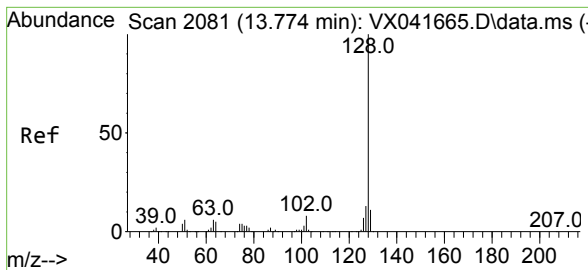
Delta R.T. 0.000 min

Lab File: VX041751.D

Acq: 05 Jun 2024 15:39

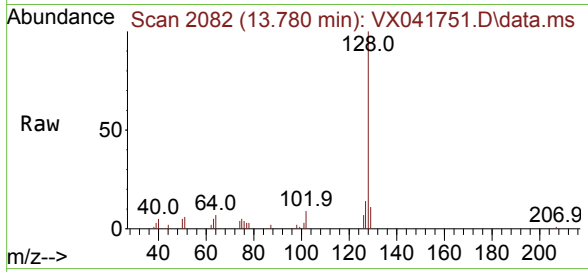
Tgt Ion: 117	Resp:	343
Ion	Ratio	Lower Upper
117	100	
201	0.0	32.9 98.6#





#95
Naphthalene
Concen: 0.908 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041751.D
Acq: 05 Jun 2024 15:39

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	8405
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.6	8.8	13.2

