

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071724\
 Data File : VX042354.D
 Acq On : 17 Jul 2024 11:46
 Operator : JC/MD
 Sample : VX0717WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 18 00:55:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

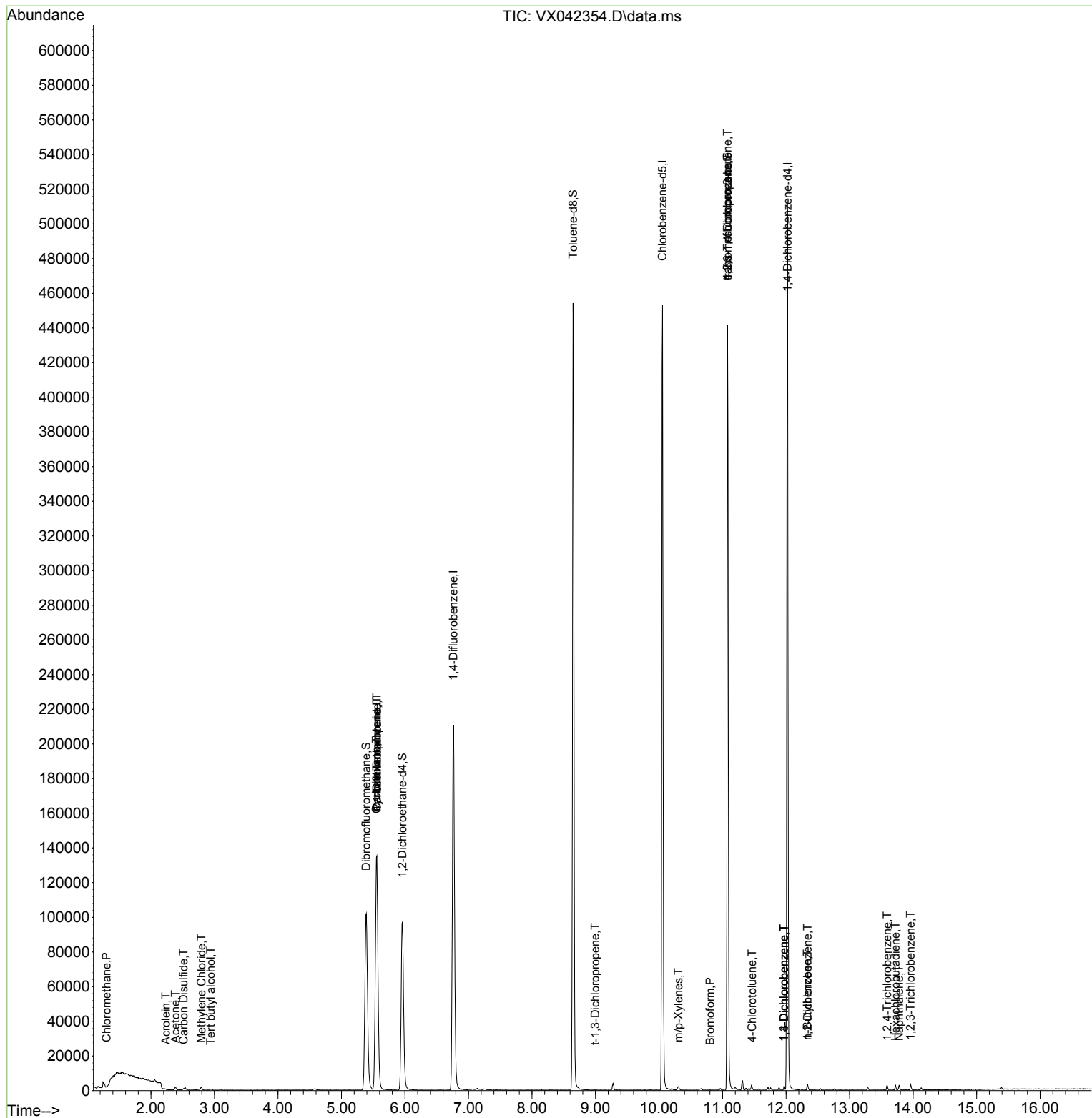
Internal Standards						
1) Pentafluorobenzene	5.556	168	151634	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	237553	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92143	52.697	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.400%
35) Dibromofluoromethane	5.385	113	91633	54.364	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.720%
50) Toluene-d8	8.647	98	285602	48.231	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.460%
62) 4-Bromofluorobenzene	11.079	95	114967	52.669	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.340%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	486	0.335	ug/l	96
6) Chloroethane	1.563	64	987	Below Cal	#	53
11) Tert butyl alcohol	2.941	59	393	1.184	ug/l	# 78
13) Acrolein	2.233	56	92	0.247	ug/l	# 14
16) Acetone	2.386	43	2013	2.622	ug/l	# 84
17) Carbon Disulfide	2.514	76	1301	0.488	ug/l	# 88
20) Methylene Chloride	2.794	84	864	0.514	ug/l	# 88
31) Cyclohexane	5.550	56	2112	1.033	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	8429	4.709	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	12263	6.201	ug/l	# 15
53) t-1,3-Dichloropropene	8.994	75	153	0.965	ug/l	# 69
68) m/p-Xylenes	10.305	106	681	0.223	ug/l	98
71) Bromoform	10.805	173	54	0.909	ug/l	# 29
76) 1,2,3-Trichloropropane	11.079	75	52261	22.851	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	52261	64.894	ug/l	# 5
82) 4-Chlorotoluene	11.463	91	1256	0.212	ug/l	82
87) 1,3-Dichlorobenzene	11.969	146	1092	0.272	ug/l	87
88) 1,4-Dichlorobenzene	11.969	146	1092	0.265	ug/l	88
89) n-Butylbenzene	12.335	91	1124	0.211	ug/l	92
91) 1,2-Dichlorobenzene	12.341	146	824	0.201	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	1149	0.427	ug/l	91
94) Hexachlorobutadiene	13.725	225	541	0.398	ug/l	93
95) Naphthalene	13.780	128	2365	1.006	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1036	0.365	ug/l	93

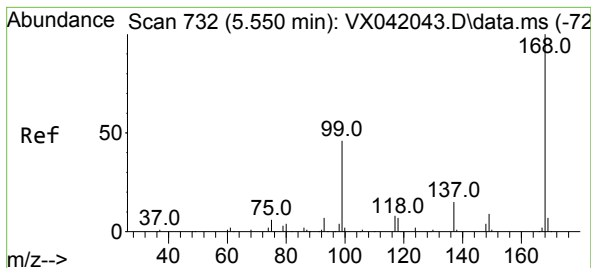
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071724\
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Quant Time: Jul 18 00:55:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
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: VX042354.D

Acq: 17 Jul 2024 11:46

Instrument :

MSVOA_X

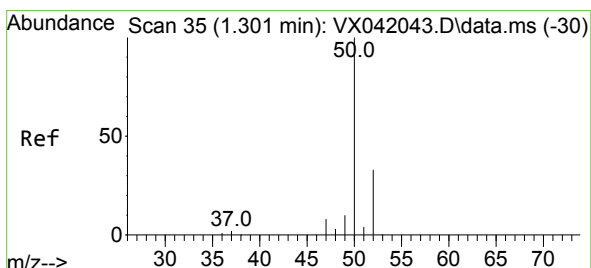
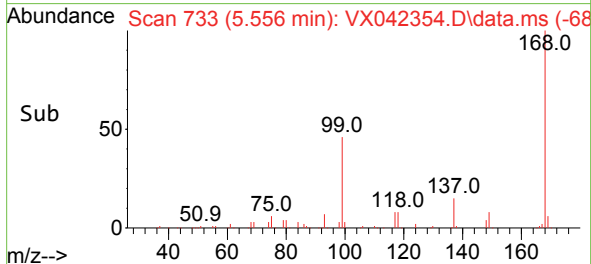
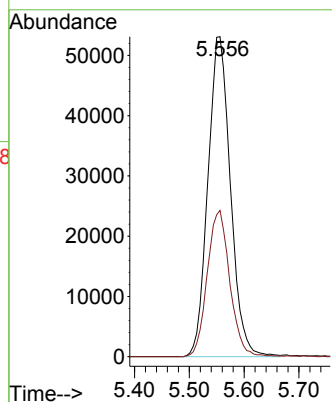
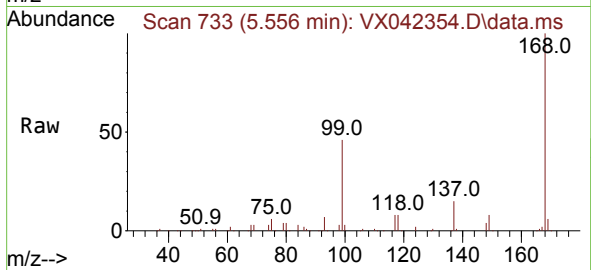
ClientSampleId :

Tgt Ion:168 Resp: 151634

Ion Ratio Lower Upper

168 100

99 45.7 56.6 85.0#



#3

Chloromethane

Concen: 0.335 ug/l

RT: 1.301 min Scan# 35

Delta R.T. -0.006 min

Lab File: VX042354.D

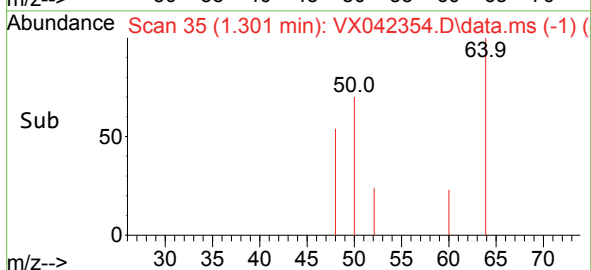
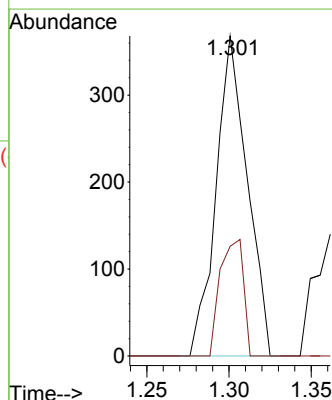
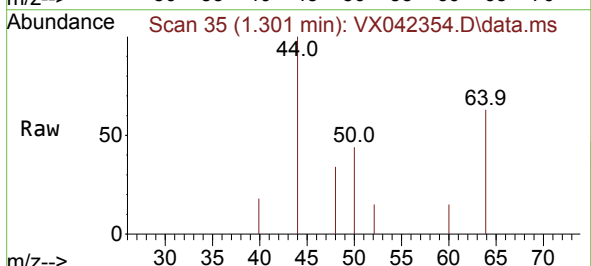
Acq: 17 Jul 2024 11:46

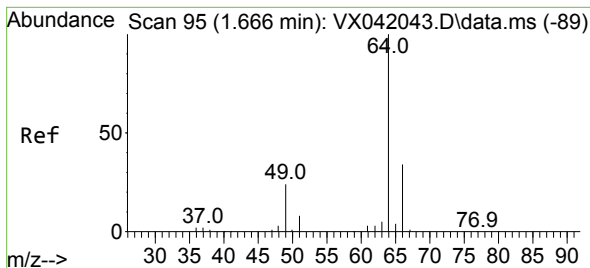
Tgt Ion: 50 Resp: 486

Ion Ratio Lower Upper

50 100

52 34.2 25.5 38.3





#6

Chloroethane

Concen: Below Cal

RT: 1.563 min Scan# 71

Delta R.T. -0.097 min

Lab File: VX042354.D

Acq: 17 Jul 2024 11:46

Instrument :

MSVOA_X

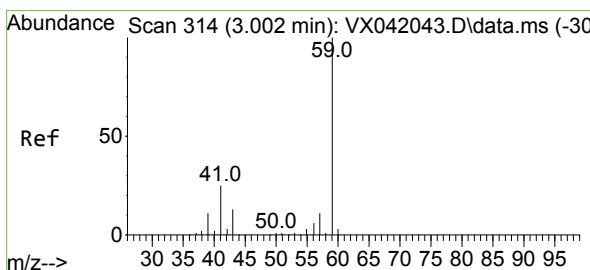
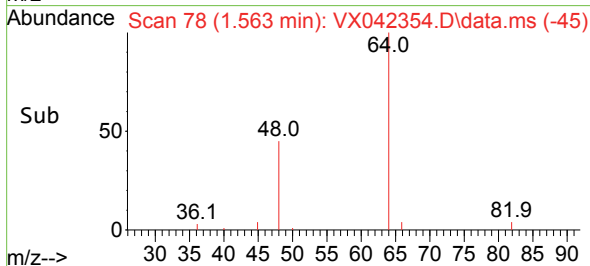
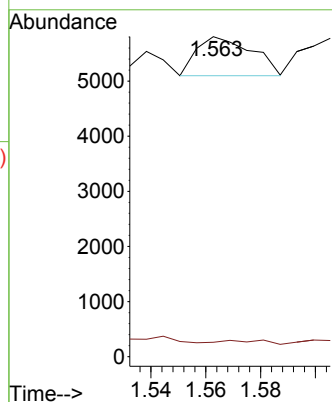
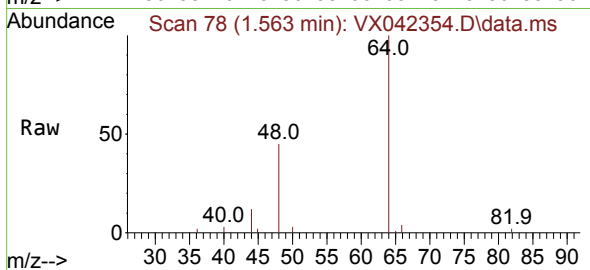
ClientSampleId :

Tgt Ion: 64 Resp: 987

Ion Ratio Lower Upper

64 100

66 5.2 25.1 37.7#



#11

Tert butyl alcohol

Concen: 1.184 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX042354.D

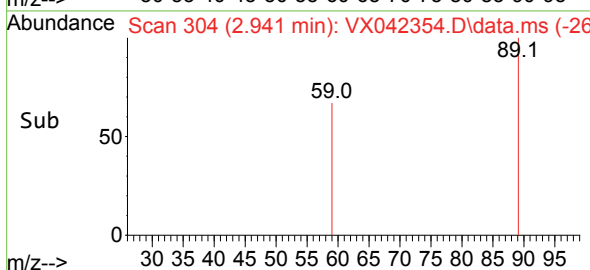
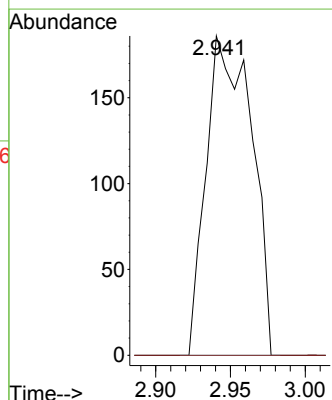
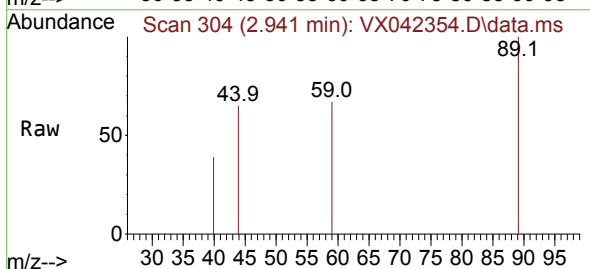
Acq: 17 Jul 2024 11:46

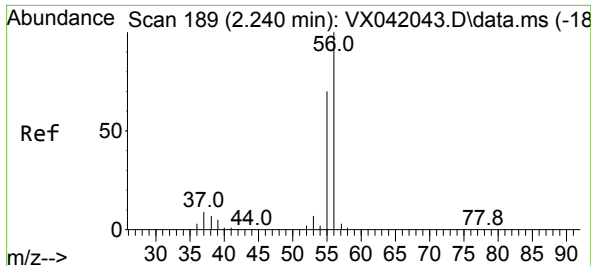
Tgt Ion: 59 Resp: 393

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

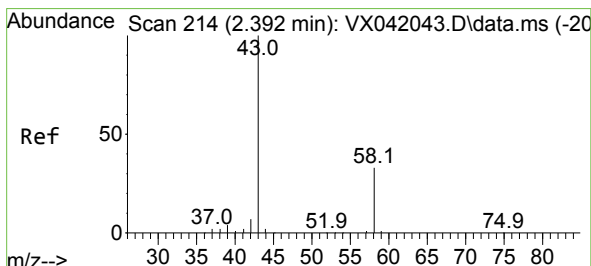
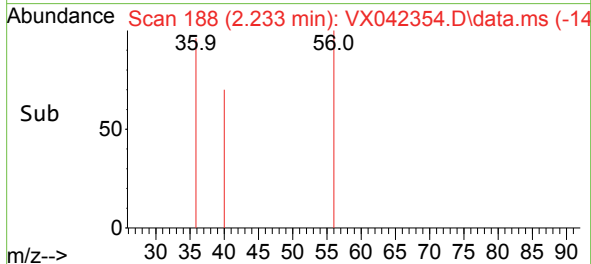
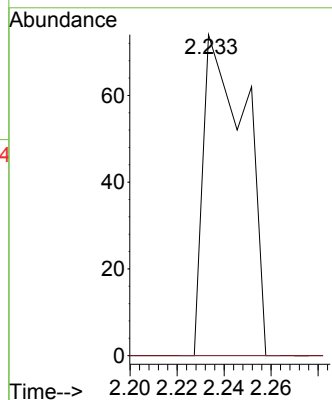
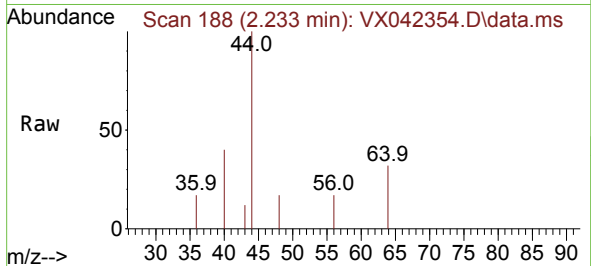




#13
Acrolein
Concen: 0.247 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

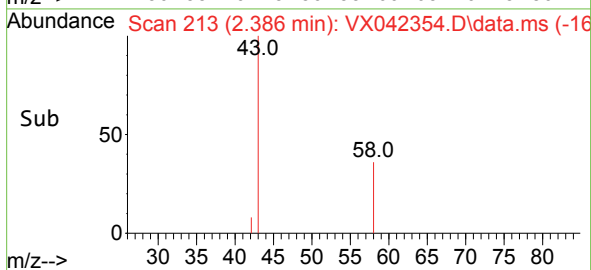
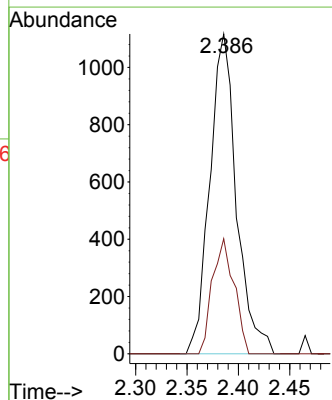
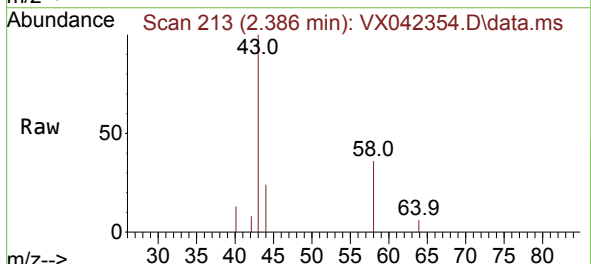
Instrument :
MSVOA_X
ClientSampleId :

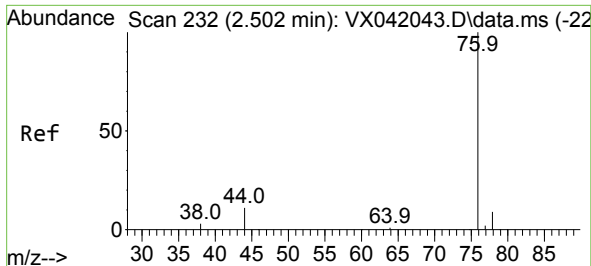
Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 2.622 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

Tgt Ion: 43 Resp: 2013
Ion Ratio Lower Upper
43 100
58 36.0 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.488 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX042354.D

Acq: 17 Jul 2024 11:46

Instrument :

MSVOA_X

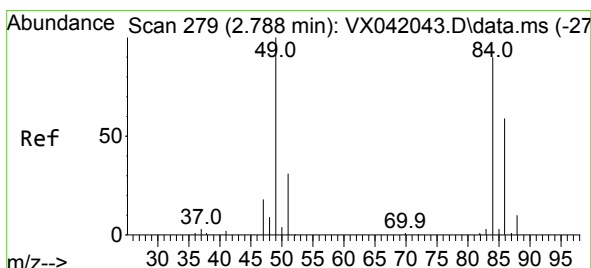
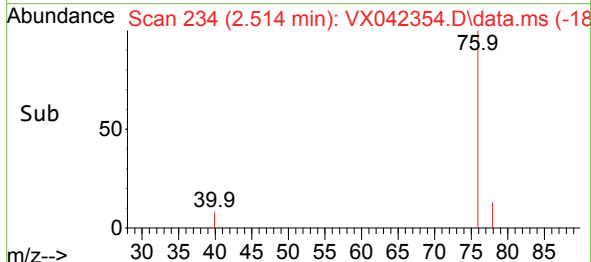
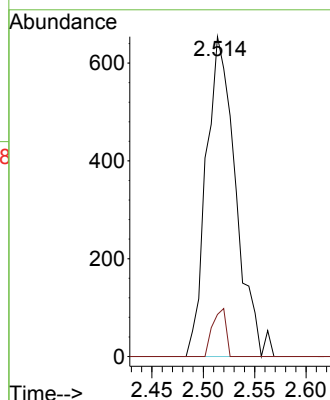
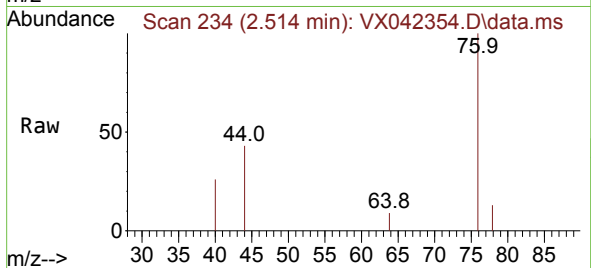
ClientSampleId :

Tgt Ion: 76 Resp: 1301

Ion Ratio Lower Upper

76 100

78 13.1 7.0 10.6#



#20

Methylene Chloride

Concen: 0.514 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.012 min

Lab File: VX042354.D

Acq: 17 Jul 2024 11:46

Tgt Ion: 84 Resp: 864

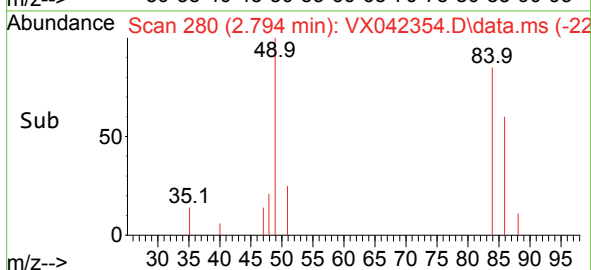
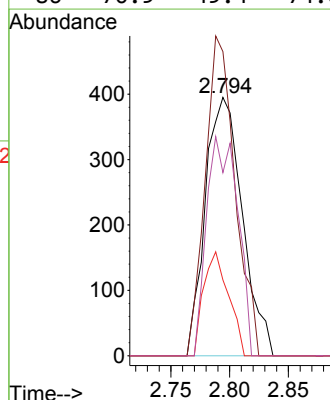
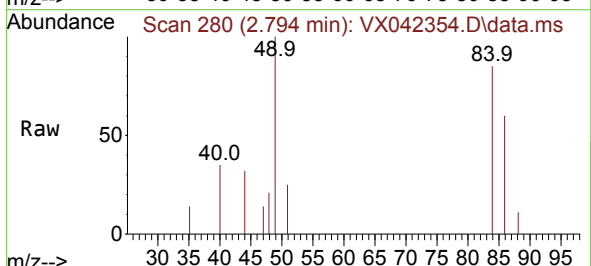
Ion Ratio Lower Upper

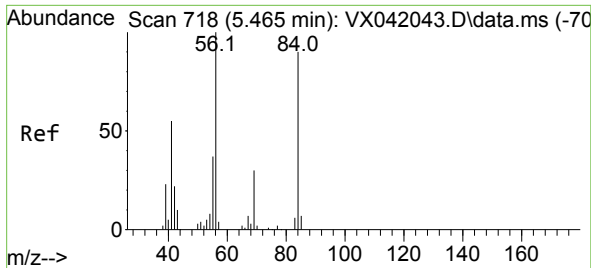
84 100

49 117.7 103.6 155.4

51 29.4 33.8 50.6#

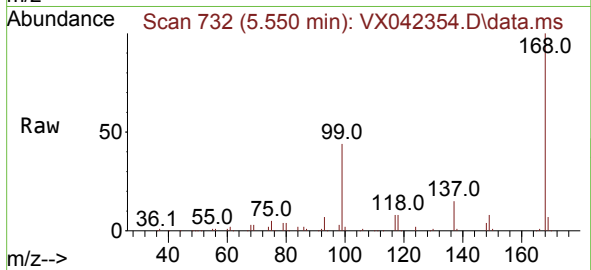
86 70.9 49.4 74.0



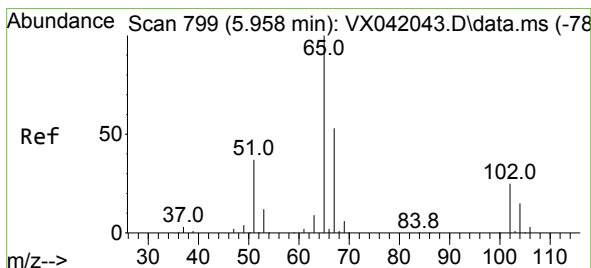
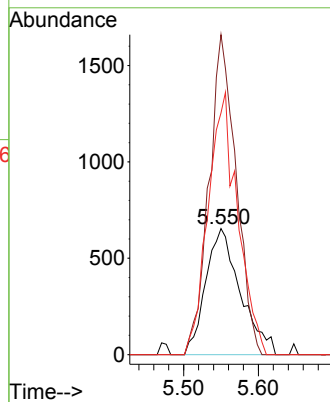
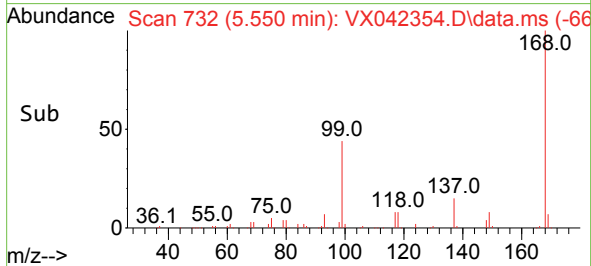


#31
Cyclohexane
Concen: 1.033 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

Instrument :
MSVOA_X
ClientSampleId :

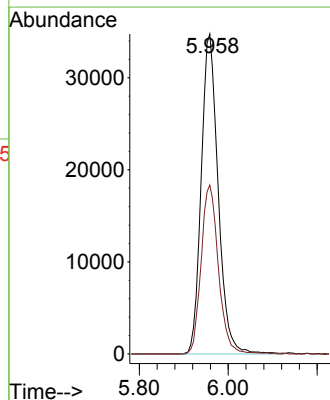
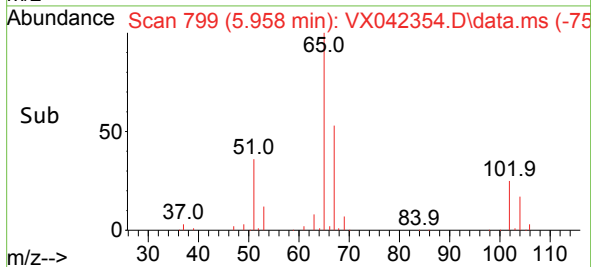
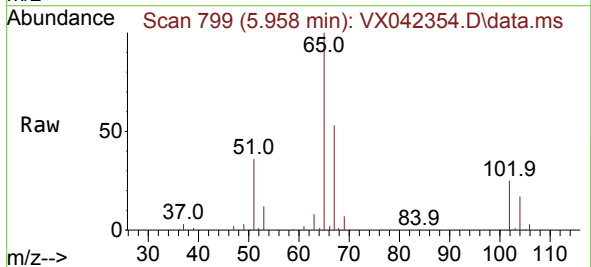


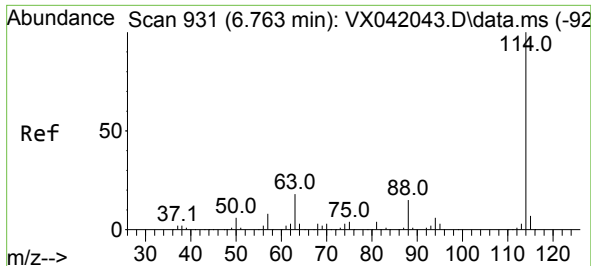
Tgt Ion: 56 Resp: 2112
Ion Ratio Lower Upper
56 100
69 253.8 23.4 35.2#
84 191.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 52.697 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

Tgt Ion: 65 Resp: 92143
Ion Ratio Lower Upper
65 100
67 54.0 0.0 100.2

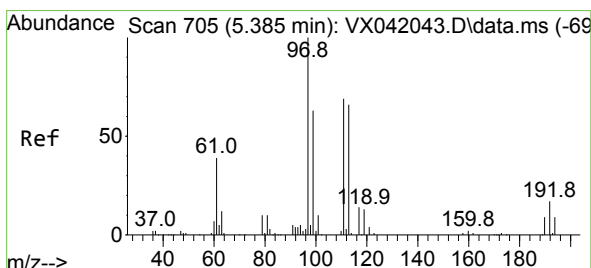
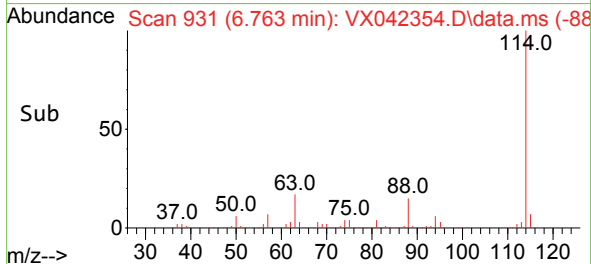
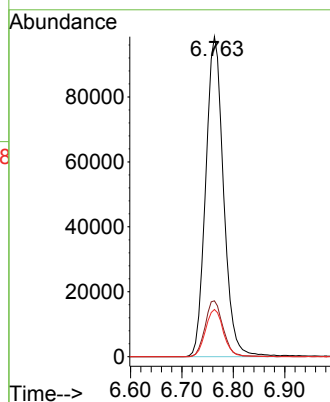
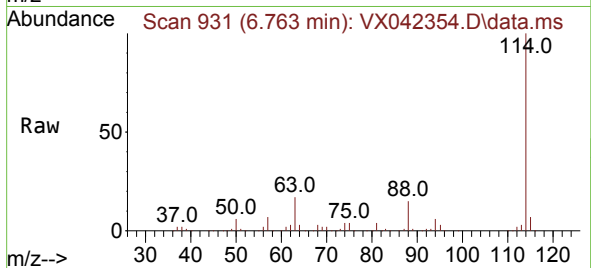




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

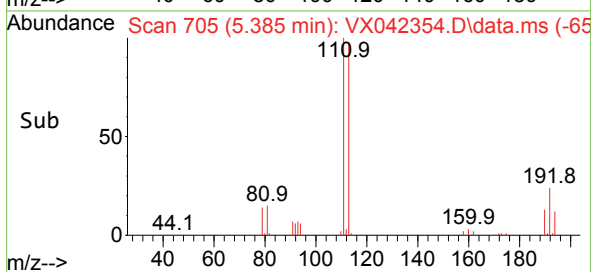
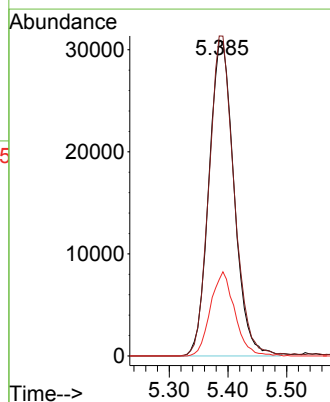
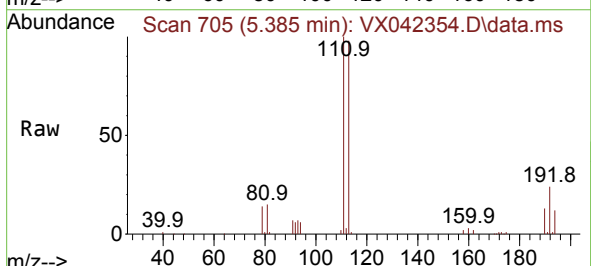
Instrument :
MSVOA_X
ClientSampleId :

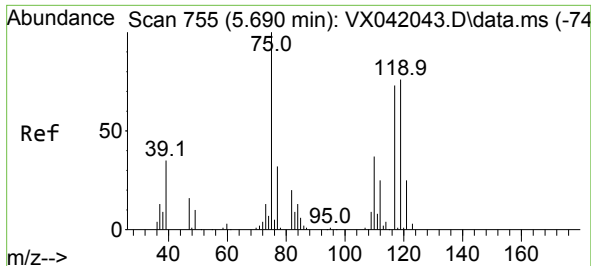
Tgt Ion:114 Resp: 237553
Ion Ratio Lower Upper
114 100
63 17.5 0.0 45.0
88 14.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 54.364 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

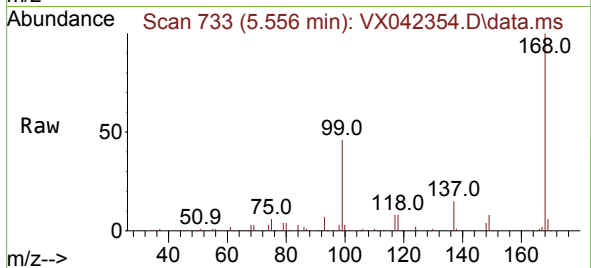
Tgt Ion:113 Resp: 91633
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 25.9 13.3 19.9#



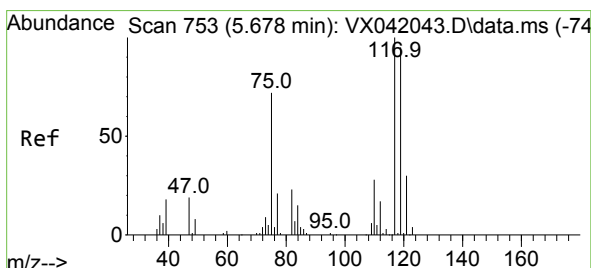
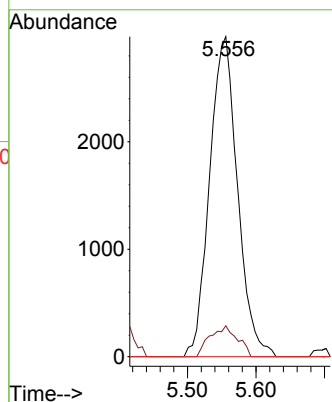
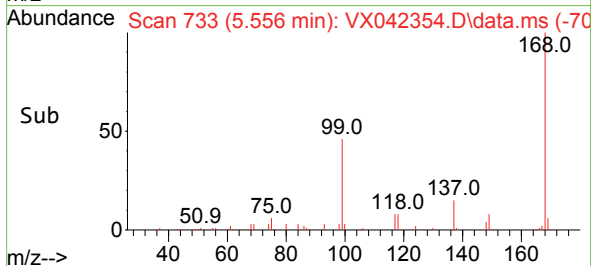


#36
1,1-Dichloropropene
Concen: 4.709 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

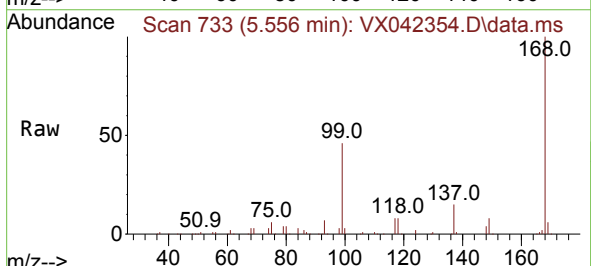
Instrument :
MSVOA_X
ClientSampleId :



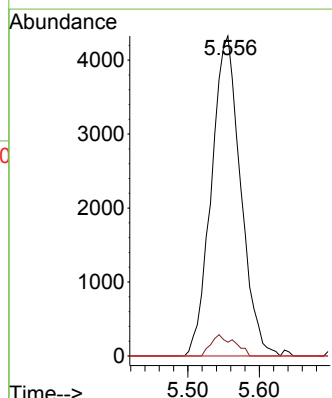
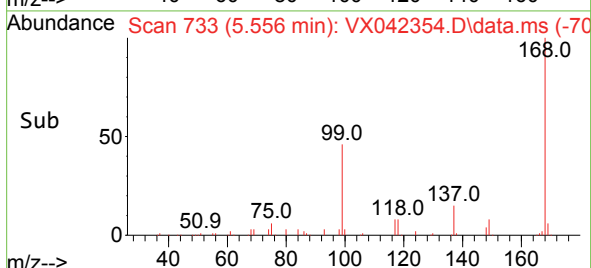
Tgt Ion: 75 Resp: 8429
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#

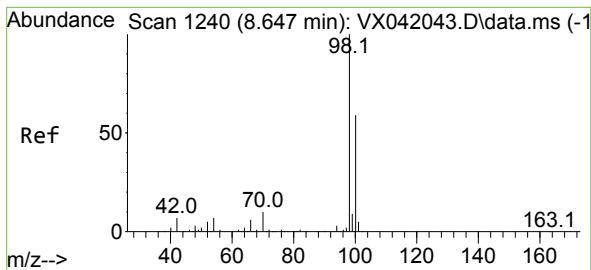


#38
Carbon Tetrachloride
Concen: 6.201 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46



Tgt Ion: 117 Resp: 12263
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 48.231 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX042354.D

Acq: 17 Jul 2024 11:46

Instrument :

MSVOA_X

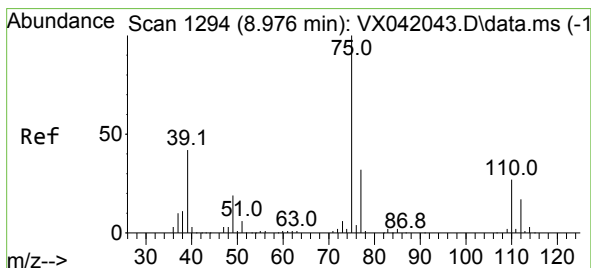
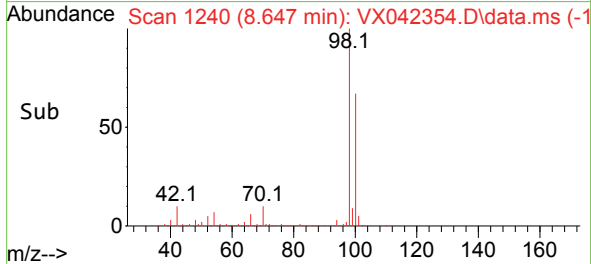
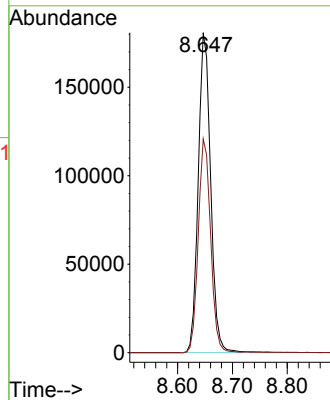
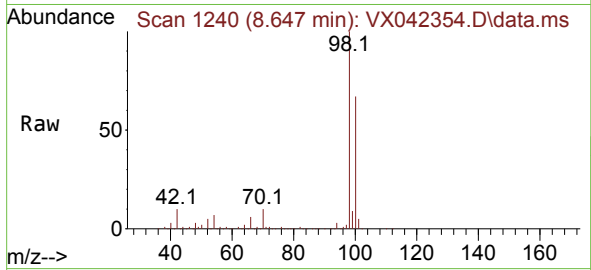
ClientSampleId :

Tgt Ion: 98 Resp: 285602

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#53

t-1,3-Dichloropropene

Concen: 0.965 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.012 min

Lab File: VX042354.D

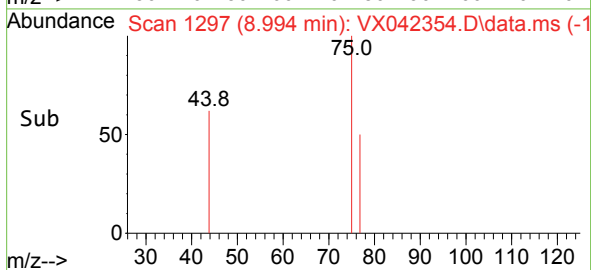
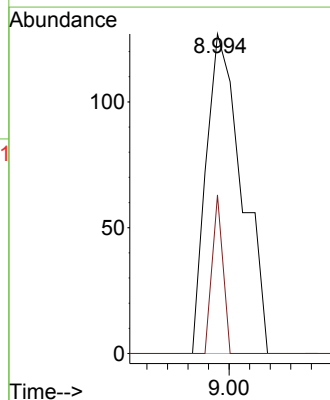
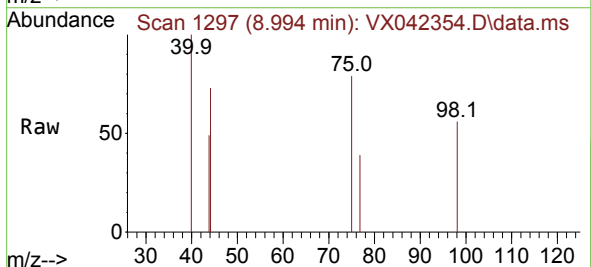
Acq: 17 Jul 2024 11:46

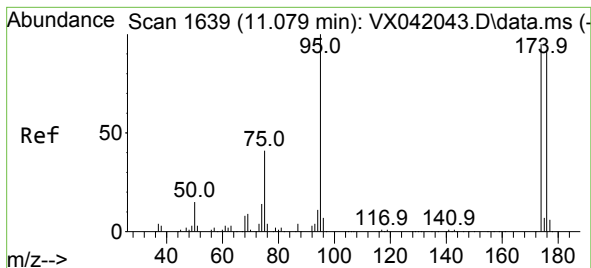
Tgt Ion: 75 Resp: 153

Ion Ratio Lower Upper

75 100

77 49.6 25.7 38.5#

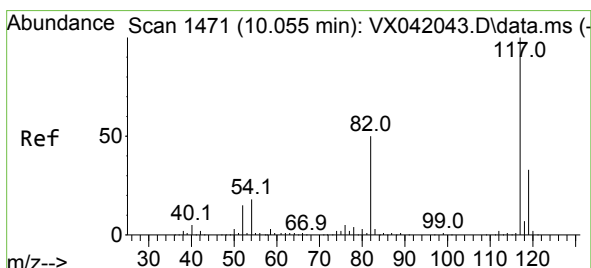
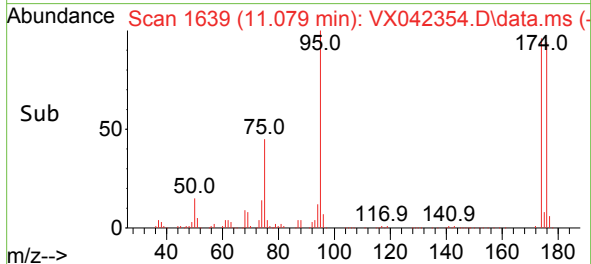
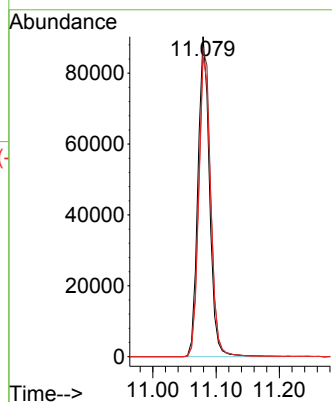
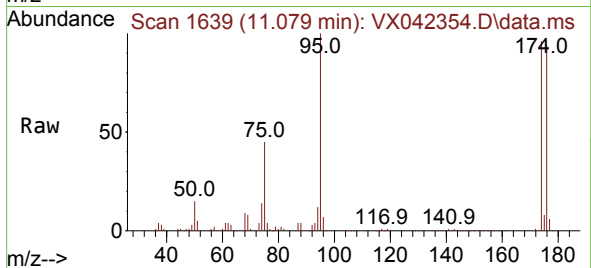




#62
4-Bromofluorobenzene
Concen: 52.669 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

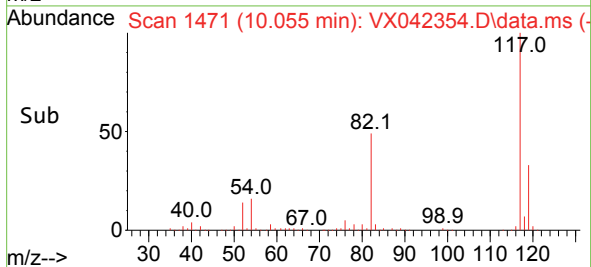
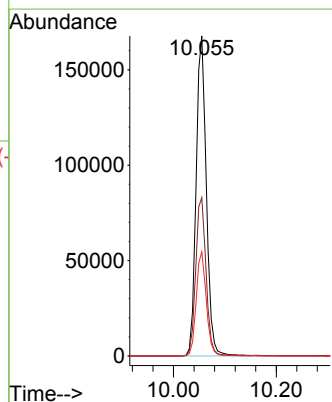
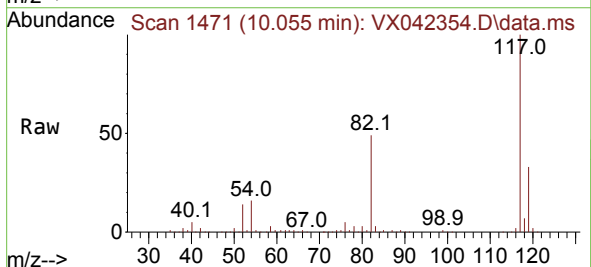
Instrument :
MSVOA_X
ClientSampleId :

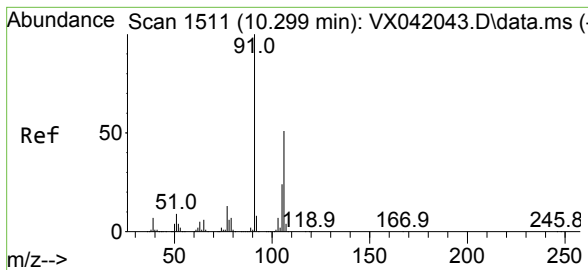
Tgt Ion: 95 Resp: 114967
Ion Ratio Lower Upper
95 100
174 100.4 0.0 135.6
176 96.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

Tgt Ion: 117 Resp: 232111
Ion Ratio Lower Upper
117 100
82 49.4 46.2 69.4
119 32.5 25.5 38.3

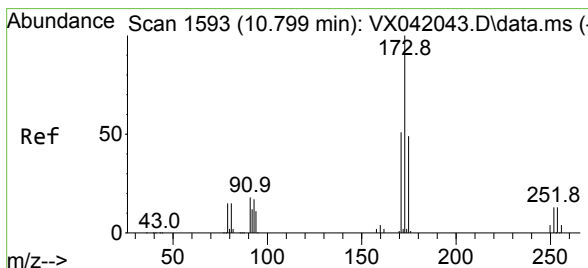
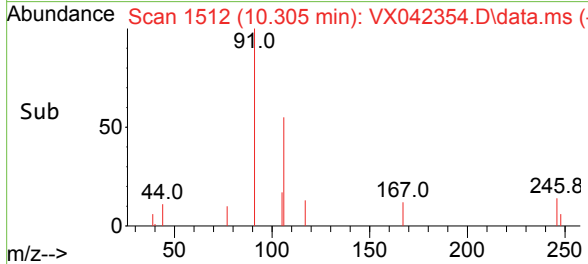
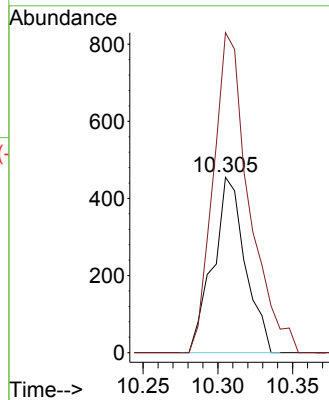
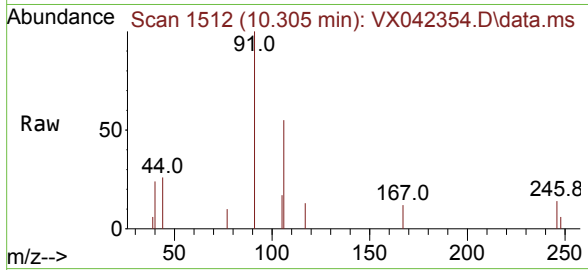




#68
m/p-Xylenes
Concen: 0.223 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

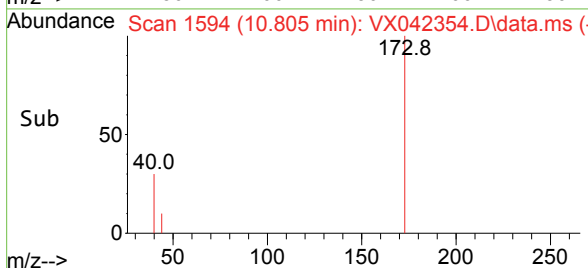
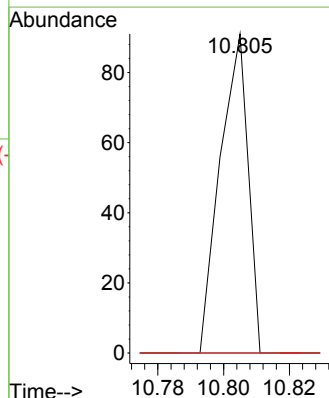
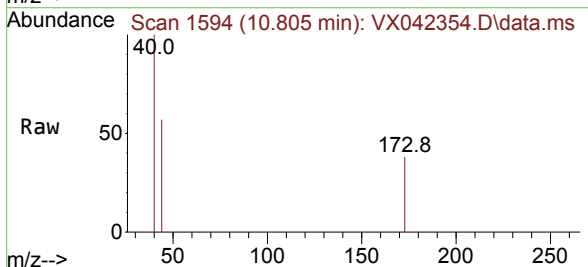
Instrument :
MSVOA_X
ClientSampleId :

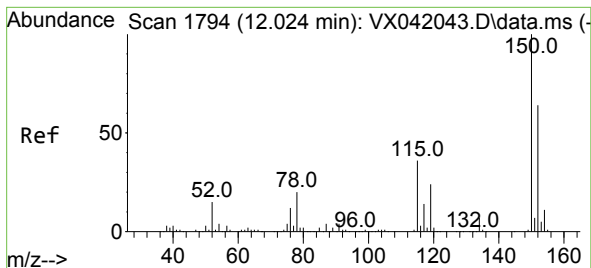
Tgt Ion:106 Resp: 681
Ion Ratio Lower Upper
106 100
91 203.1 165.5 248.3



#71
Bromoform
Concen: 0.909 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

Tgt Ion:173 Resp: 54
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042354.D

Acq: 17 Jul 2024 11:46

Instrument :

MSVOA_X

ClientSampleId :

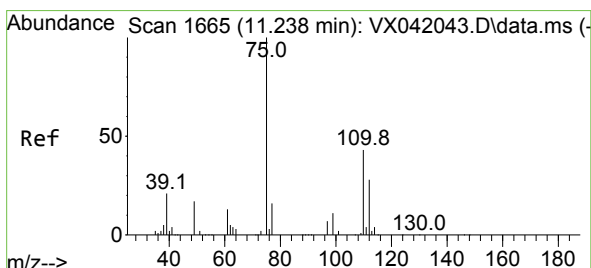
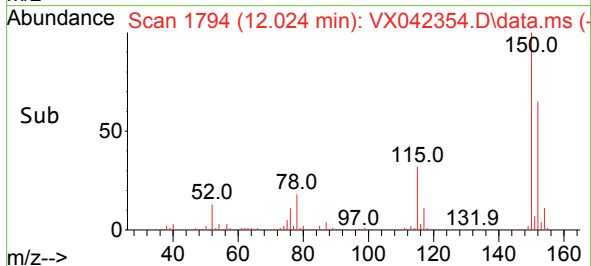
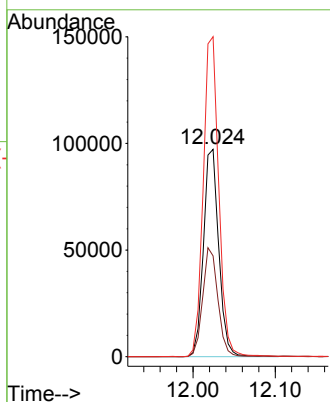
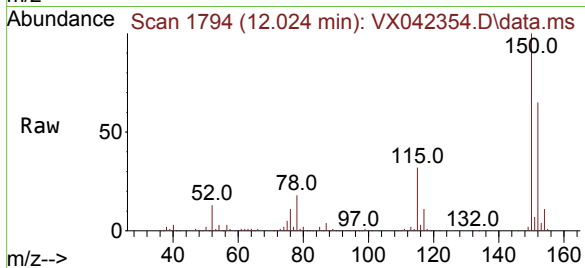
Tgt Ion:152 Resp: 125981

Ion Ratio Lower Upper

152 100

115 52.2 43.3 129.9

150 156.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.851 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042354.D

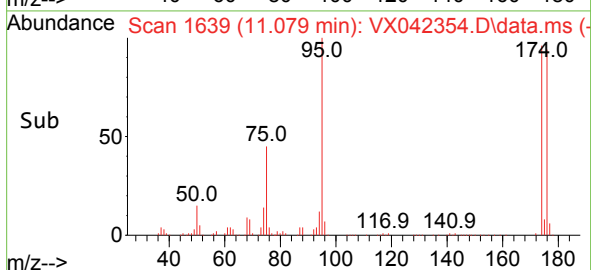
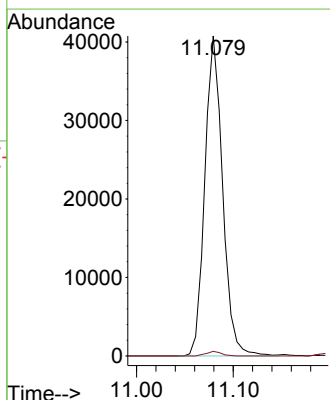
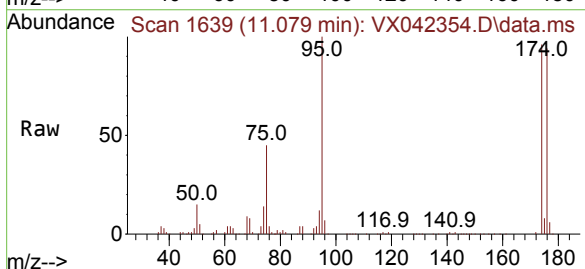
Acq: 17 Jul 2024 11:46

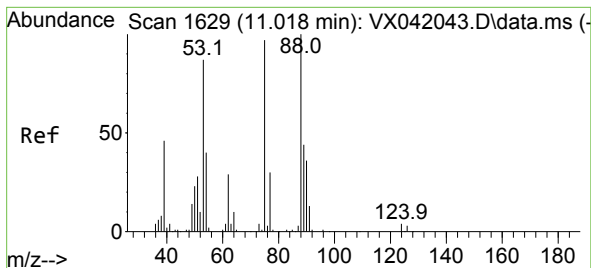
Tgt Ion: 75 Resp: 52261

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

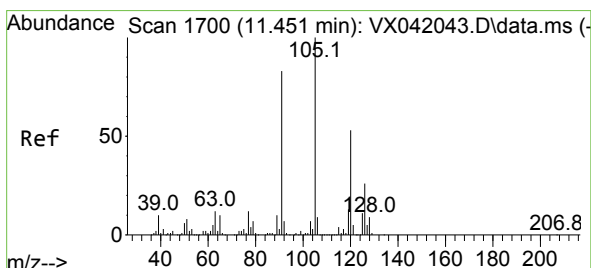
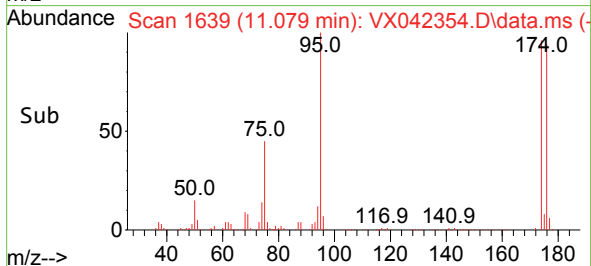
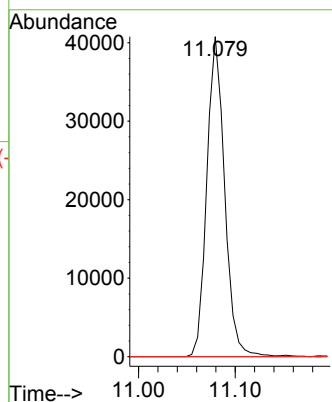
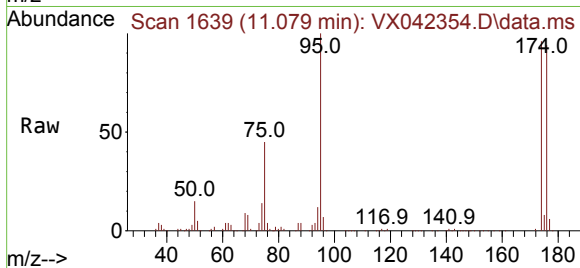




#81
trans-1,4-Dichloro-2-butene
Concen: 64.894 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

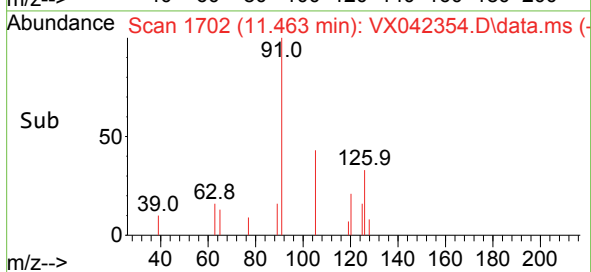
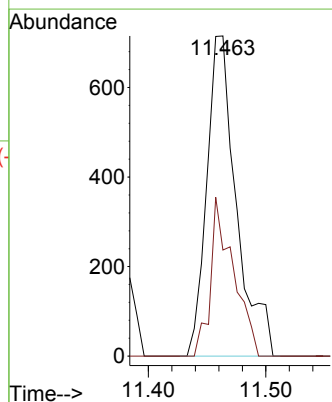
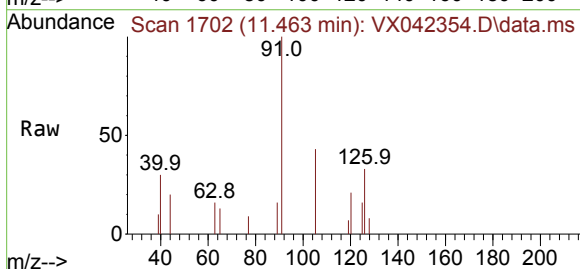
Instrument :
MSVOA_X
ClientSampleId :

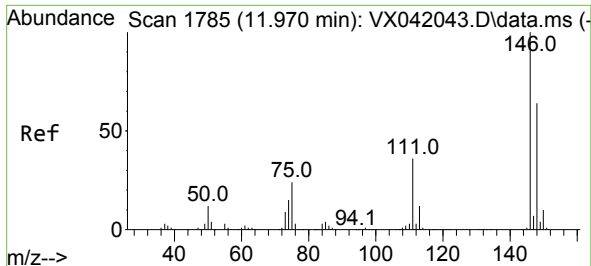
Tgt Ion: 75 Resp: 52261
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.212 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

Tgt Ion: 91 Resp: 1256
Ion Ratio Lower Upper
91 100
126 38.1 14.2 42.6





#87

1,3-Dichlorobenzene

Concen: 0.272 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

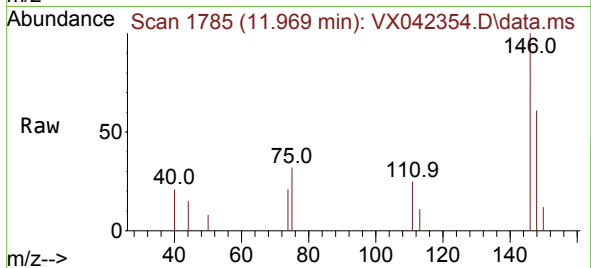
Lab File: VX042354.D

Acq: 17 Jul 2024 11:46

Instrument :

MSVOA_X

ClientSampleId :



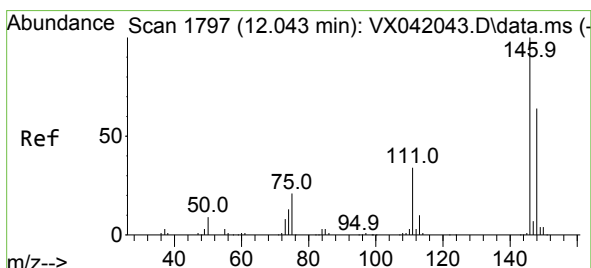
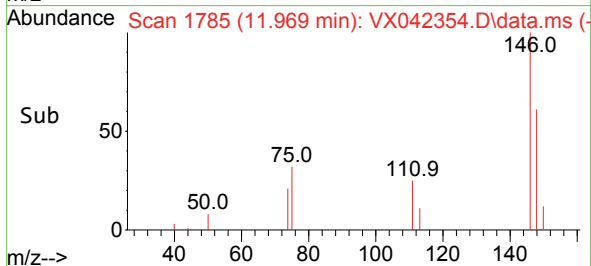
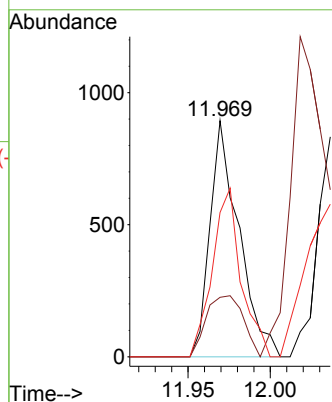
Tgt Ion:146 Resp: 1092

Ion Ratio Lower Upper

146 100

111 33.1 22.1 66.1

148 71.1 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.265 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX042354.D

Acq: 17 Jul 2024 11:46

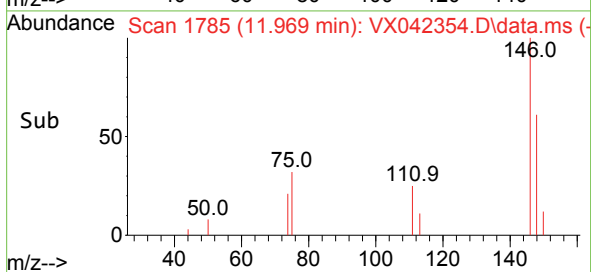
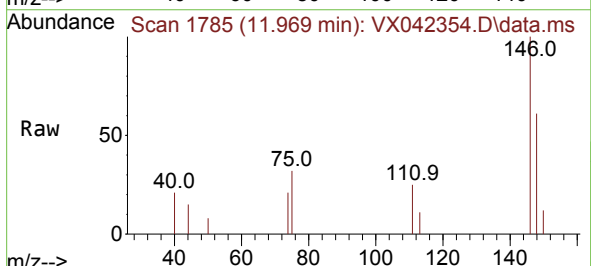
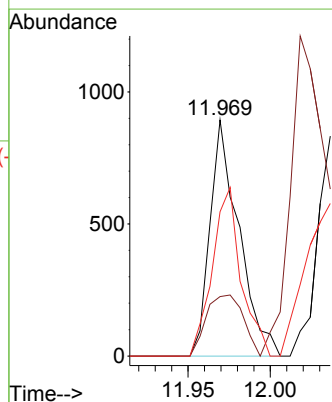
Tgt Ion:146 Resp: 1092

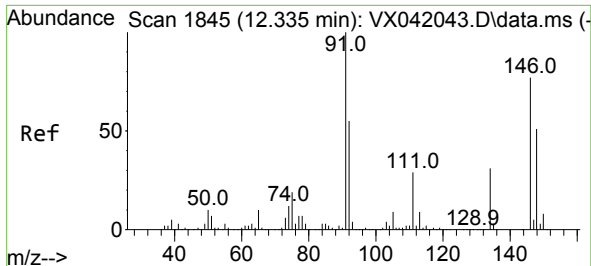
Ion Ratio Lower Upper

146 100

111 33.1 21.3 63.7

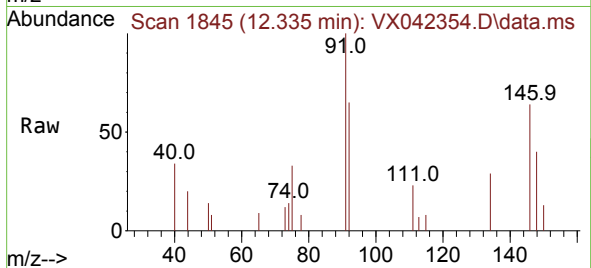
148 71.1 31.8 95.4





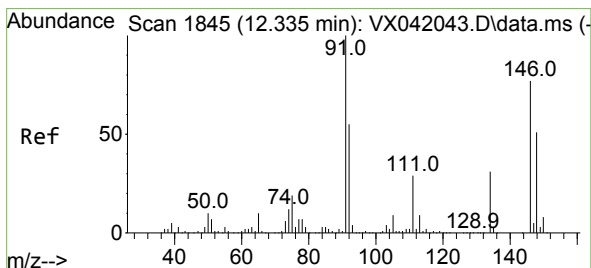
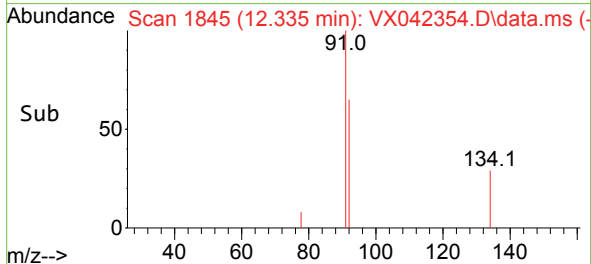
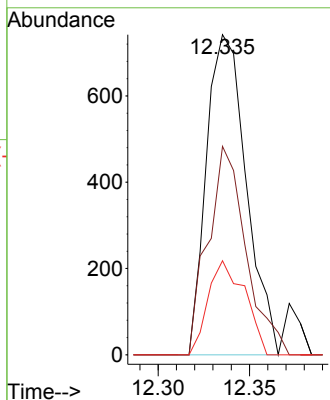
#89
n-Butylbenzene
Concen: 0.211 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46

Instrument :
MSVOA_X
ClientSampleId :

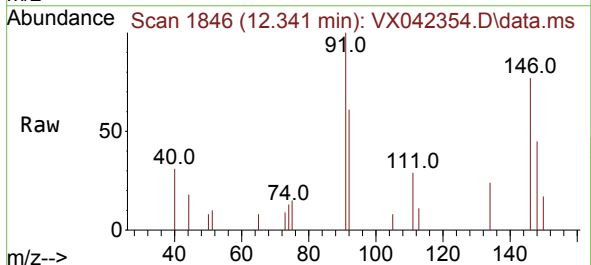


Tgt Ion: 91 Resp: 1124

Ion	Ratio	Lower	Upper
91	100		
92	62.3	27.4	82.0
134	27.1	12.6	37.8

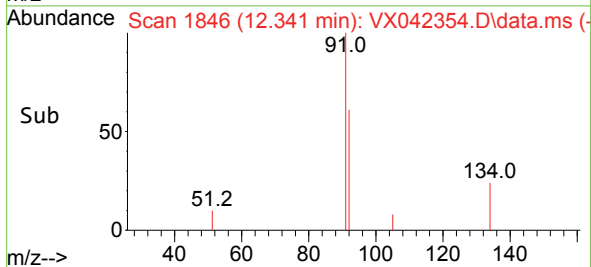
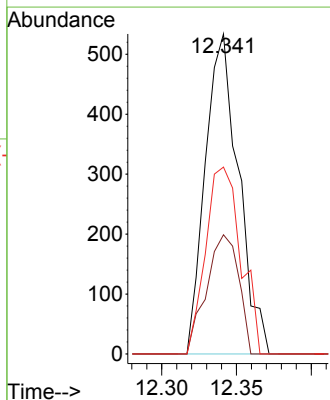


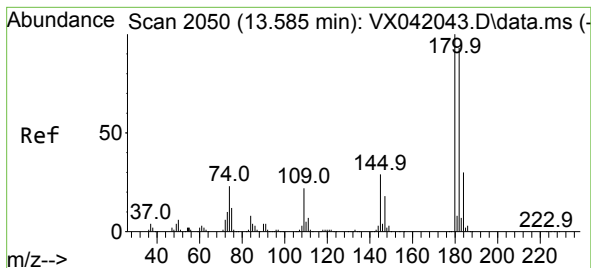
#91
1,2-Dichlorobenzene
Concen: 0.201 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX042354.D
Acq: 17 Jul 2024 11:46



Tgt Ion: 146 Resp: 824

Ion	Ratio	Lower	Upper
146	100		
111	36.0	22.4	67.0
148	61.9	31.6	95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.427 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX042354.D

Acq: 17 Jul 2024 11:46

Instrument :

MSVOA_X

ClientSampleId :

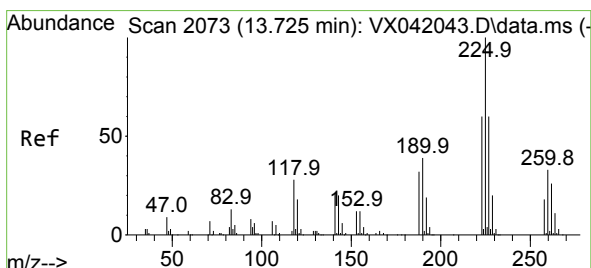
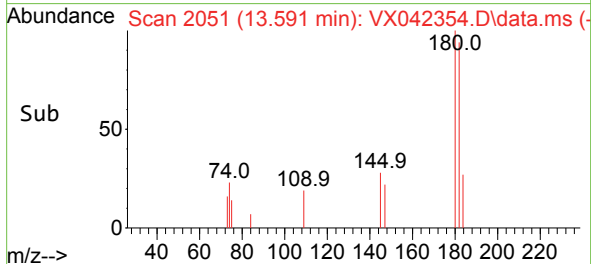
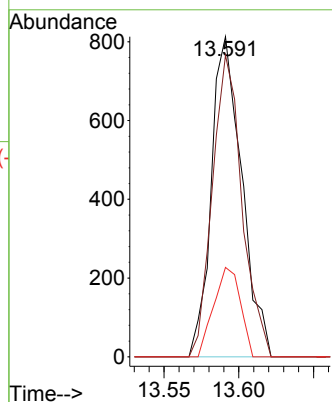
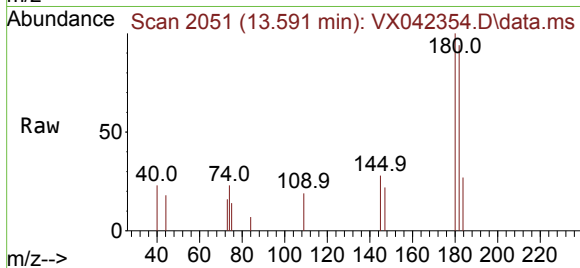
Tgt Ion:180 Resp: 1149

Ion Ratio Lower Upper

180 100

182 91.6 48.3 144.8

145 24.5 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.398 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX042354.D

Acq: 17 Jul 2024 11:46

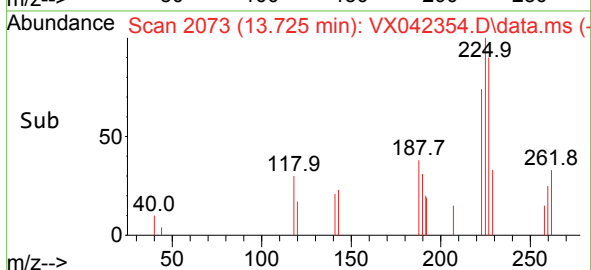
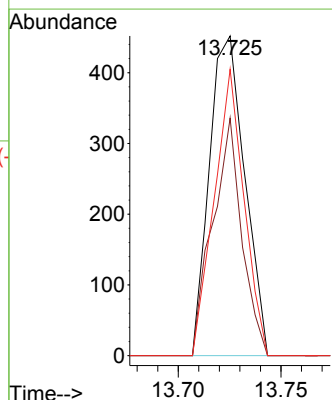
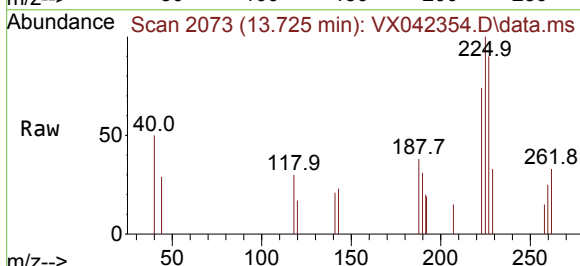
Tgt Ion:225 Resp: 541

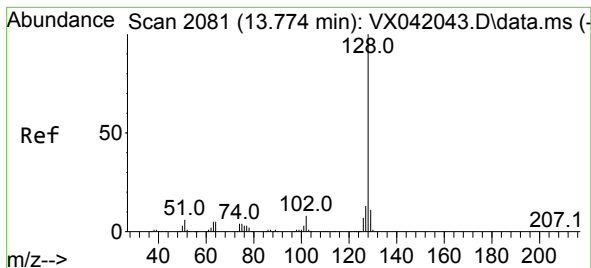
Ion Ratio Lower Upper

225 100

223 61.4 31.1 93.2

227 75.6 32.5 97.5





#95

Naphthalene

Concen: 1.006 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX042354.D

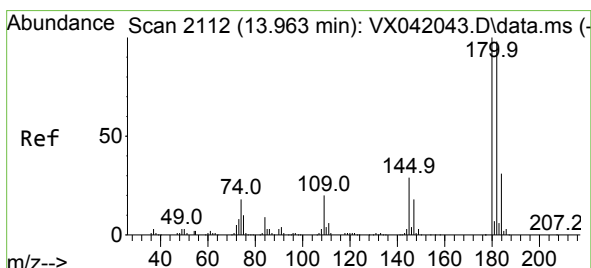
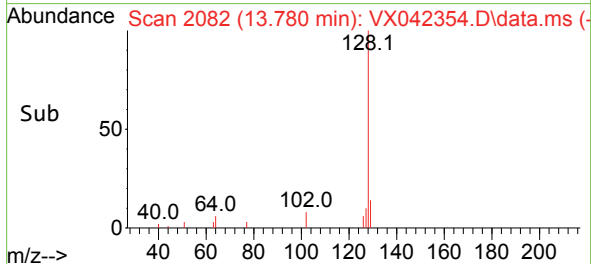
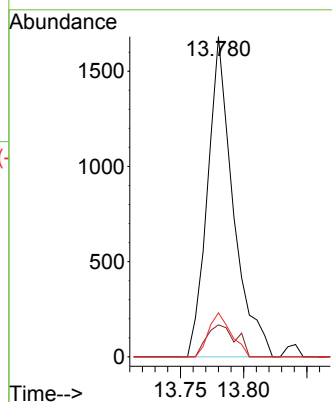
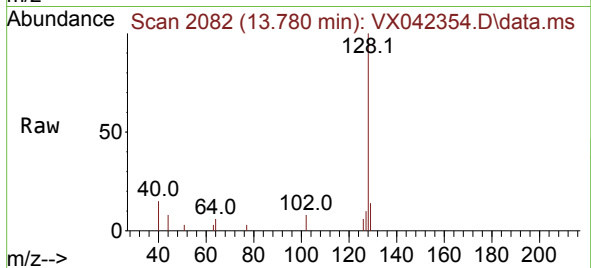
Acq: 17 Jul 2024 11:46

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	2365
Ion Ratio	Lower	Upper
128	100	
127	11.4	10.3 15.5
129	12.1	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.365 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX042354.D

Acq: 17 Jul 2024 11:46

Tgt Ion:180	Resp:	1036
Ion Ratio	Lower	Upper
180	100	
182	100.0	46.9 140.6
145	31.4	17.8 53.5

