

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070324\
 Data File : VX042156.D
 Acq On : 03 Jul 2024 12:02
 Operator : JC/MD
 Sample : VX0703MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 04 07:21:31 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)

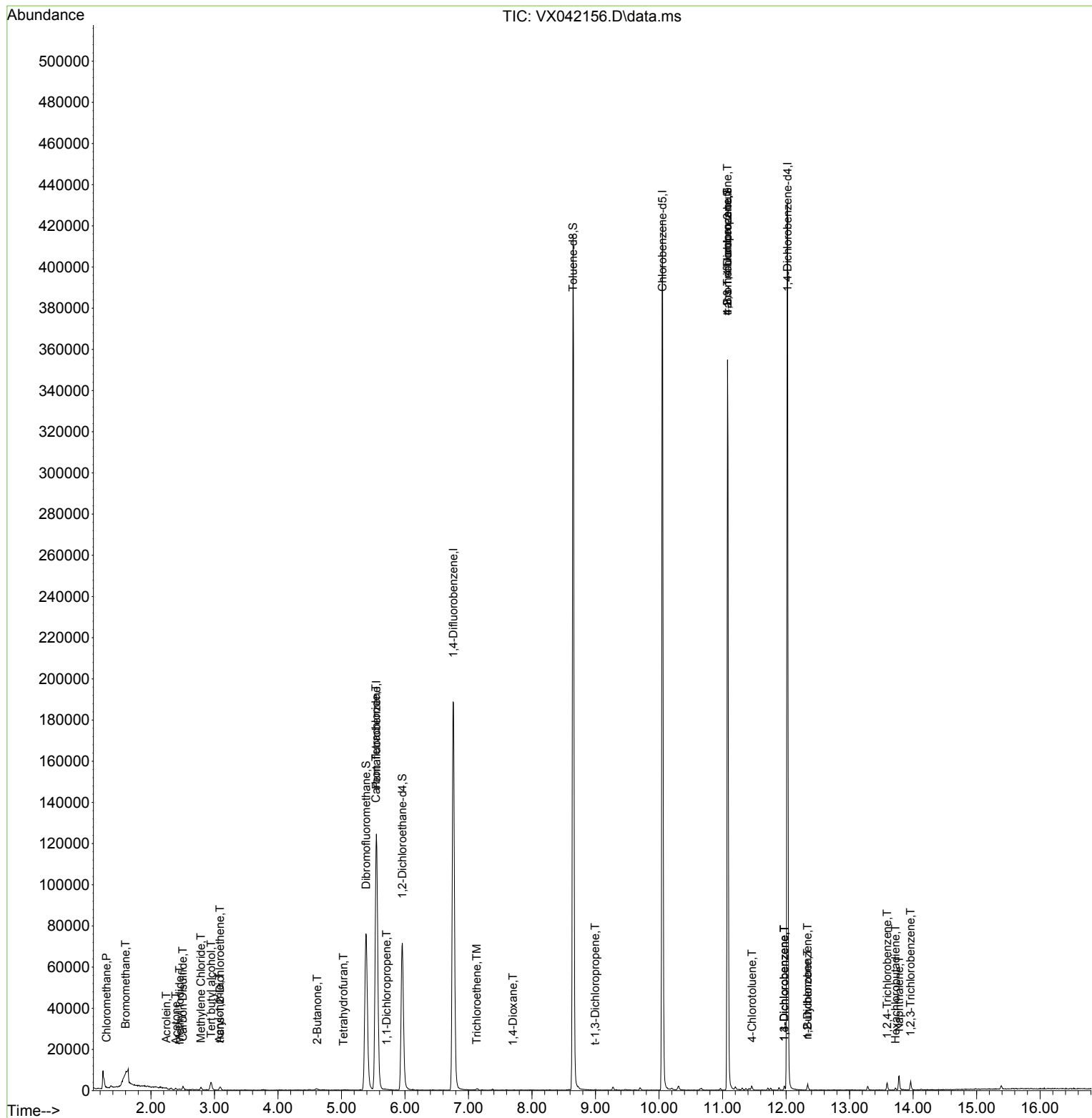
Internal Standards						
1) Pentafluorobenzene	5.550	168	140848	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	216863	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68910	42.428	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.860%		
35) Dibromofluoromethane	5.385	113	69435	45.124	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.240%		
50) Toluene-d8	8.647	98	254431	47.067	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.140%		
62) 4-Bromofluorobenzene	11.079	95	95651	48.001	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.000%		
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	290	0.215	ug/l	# 40
5) Bromomethane	1.599	94	685	1.028	ug/l	# 72
6) Chloroethane	1.654	64	50	Below Cal		# 43
10) Methyl Iodide	2.453	142	588	0.388	ug/l	# 72
11) Tert butyl alcohol	2.947	59	2559	8.302	ug/l	# 78
13) Acrolein	2.239	56	405	1.172	ug/l	92
15) Acrylonitrile	3.081	53	555	0.689	ug/l	92
16) Acetone	2.392	43	692	0.970	ug/l	# 76
17) Carbon Disulfide	2.502	76	2151	0.868	ug/l	# 88
20) Methylene Chloride	2.788	84	601	0.385	ug/l	88
21) trans-1,2-Dichloroethene	3.087	96	467	0.379	ug/l	# 66
25) 2-Butanone	4.617	43	346	0.312	ug/l	# 51
29) Tetrahydrofuran	5.032	42	247	0.345	ug/l	# 34
36) 1,1-Dichloropropene	5.708	75	392	0.240	ug/l	# 42
38) Carbon Tetrachloride	5.544	117	11586	6.417	ug/l	# 16
44) Trichloroethene	7.129	130	312	0.211	ug/l	91
49) 1,4-Dioxane	7.702	88	60	21.357	ug/l	# 12
53) t-1,3-Dichloropropene	8.994	75	214	1.004	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	43298	22.640	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43298	64.296	ug/l	# 5
82) 4-Chlorotoluene	11.463	91	1091	0.220	ug/l	91
87) 1,3-Dichlorobenzene	11.969	146	940	0.280	ug/l	92
88) 1,4-Dichlorobenzene	11.969	146	940	0.273	ug/l	93
89) n-Butylbenzene	12.341	91	995	0.223	ug/l	90
91) 1,2-Dichlorobenzene	12.341	146	712	0.208	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	1423	0.633	ug/l	90
94) Hexachlorobutadiene	13.725	225	328	0.289	ug/l	93
95) Naphthalene	13.780	128	6020	1.533	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1600	0.675	ug/l	93

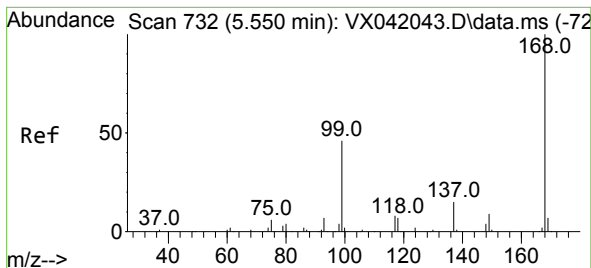
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 04 07:21:31 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: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

Instrument :

MSVOA_X

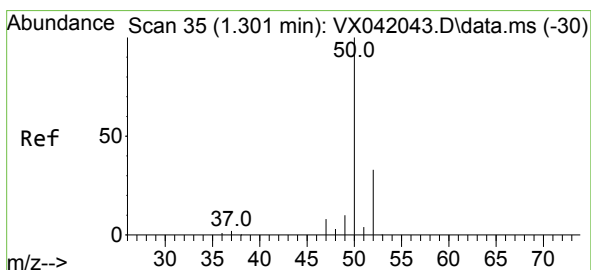
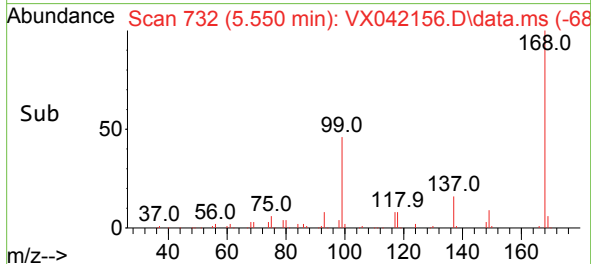
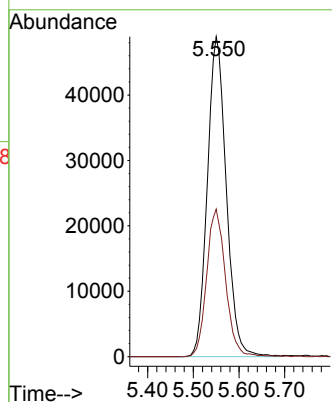
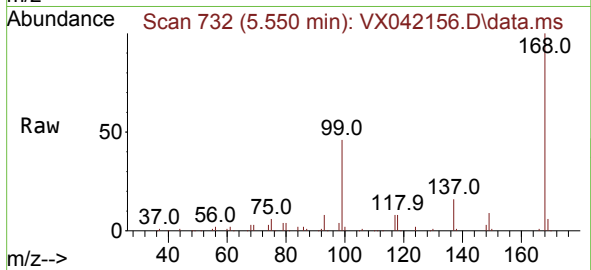
ClientSampleId :

Tgt Ion:168 Resp: 140848

Ion Ratio Lower Upper

168 100

99 46.1 56.6 85.0#



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.301 min Scan# 35

Delta R.T. -0.006 min

Lab File: VX042156.D

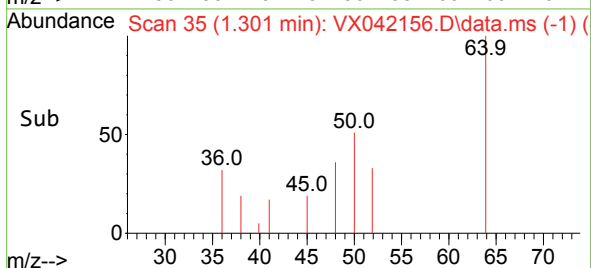
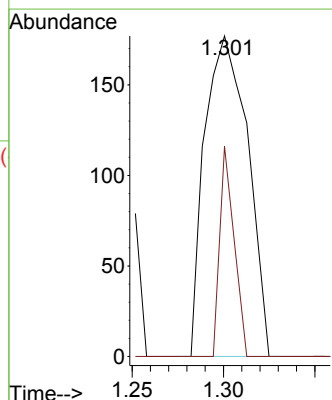
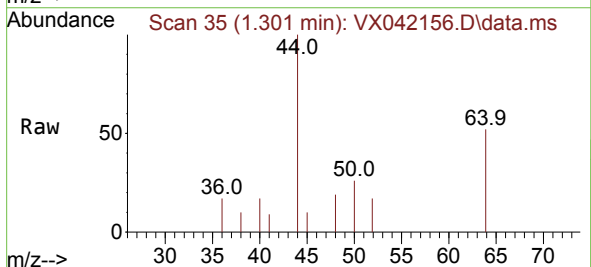
Acq: 03 Jul 2024 12:02

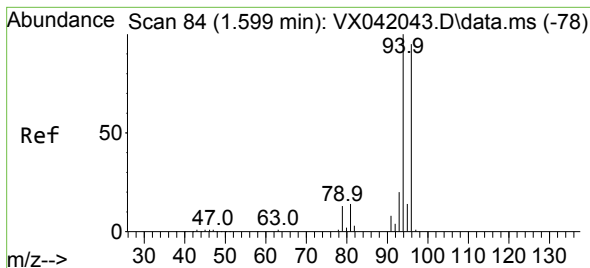
Tgt Ion: 50 Resp: 290

Ion Ratio Lower Upper

50 100

52 65.5 25.5 38.3#





#5

Bromomethane

Concen: 1.028 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

Instrument :

MSVOA_X

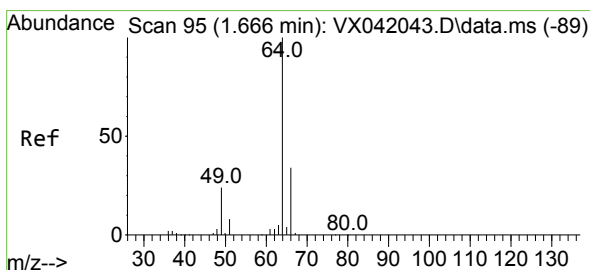
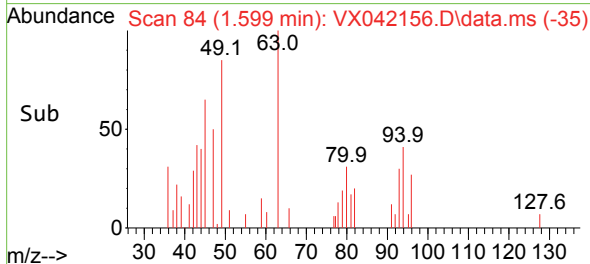
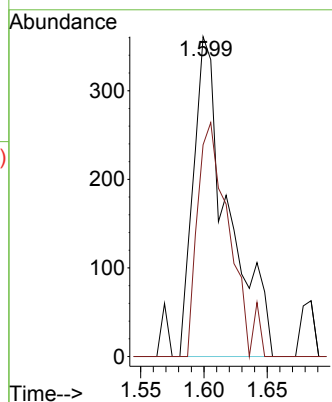
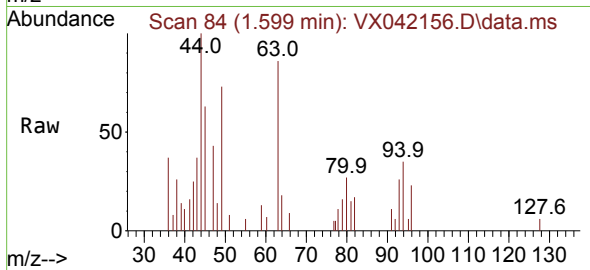
ClientSampleId :

Tgt Ion: 94 Resp: 685

Ion Ratio Lower Upper

94 100

96 66.2 74.6 111.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.654 min Scan# 93

Delta R.T. -0.006 min

Lab File: VX042156.D

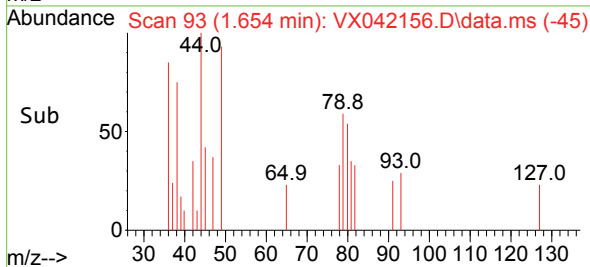
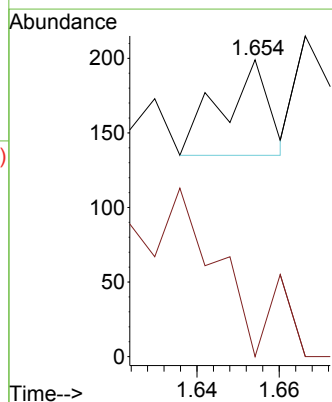
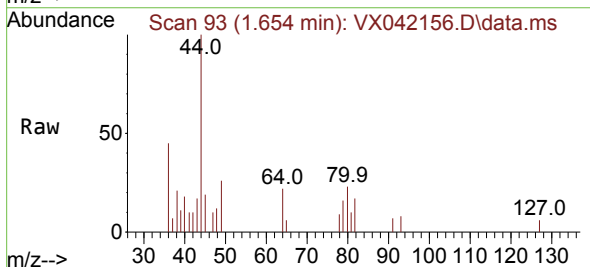
Acq: 03 Jul 2024 12:02

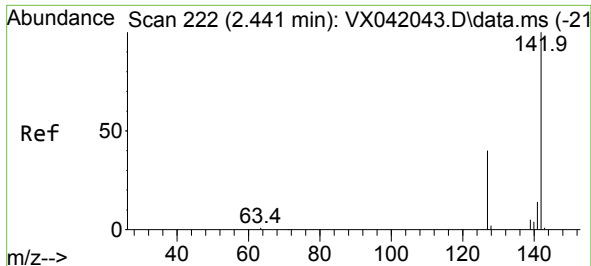
Tgt Ion: 64 Resp: 50

Ion Ratio Lower Upper

64 100

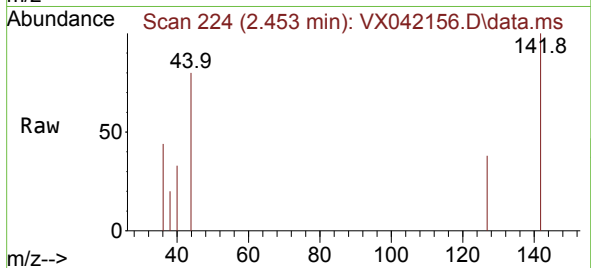
66 0.0 25.1 37.7#



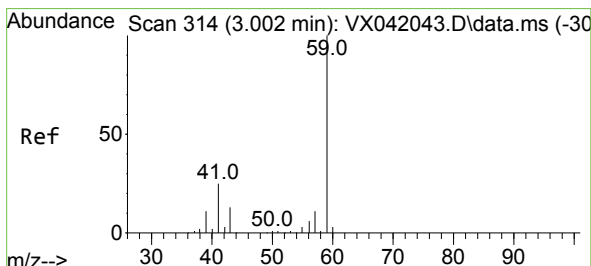
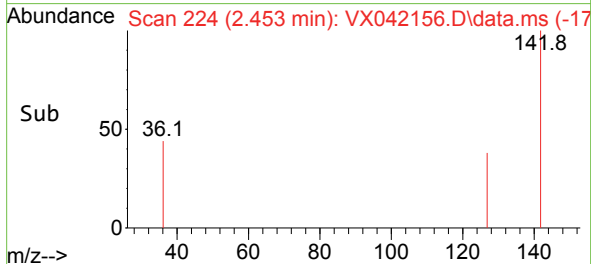
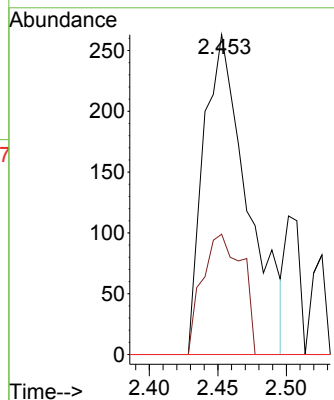


#10
Methyl Iodide
Concen: 0.388 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

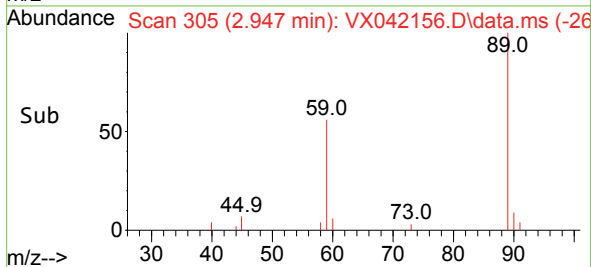
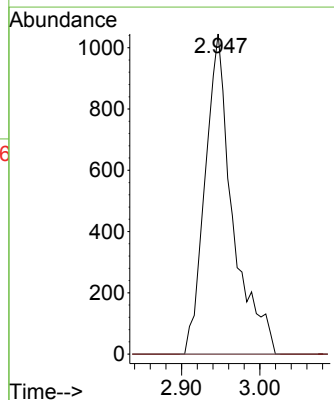
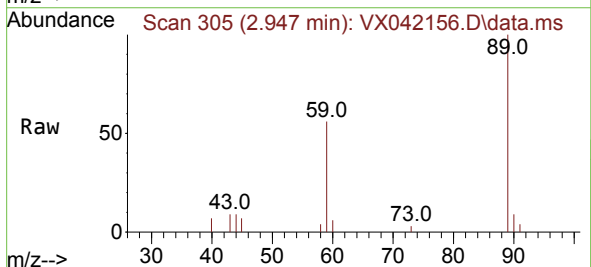


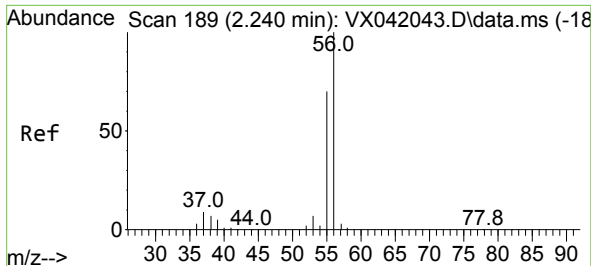
Tgt Ion:142 Resp: 588
Ion Ratio Lower Upper
142 100
127 34.0 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 8.302 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Tgt Ion: 59 Resp: 2559
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

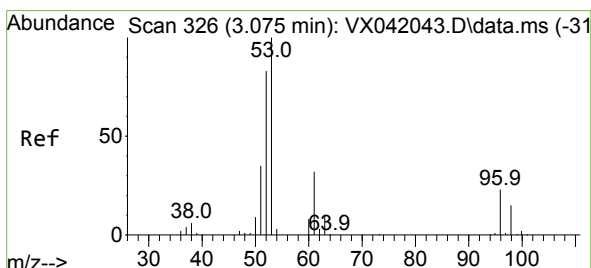
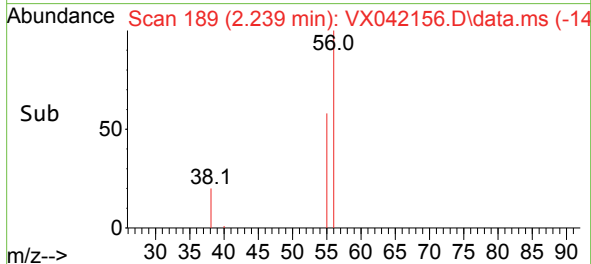
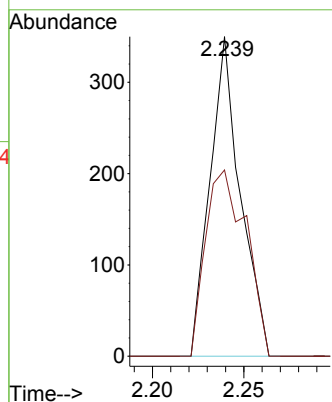
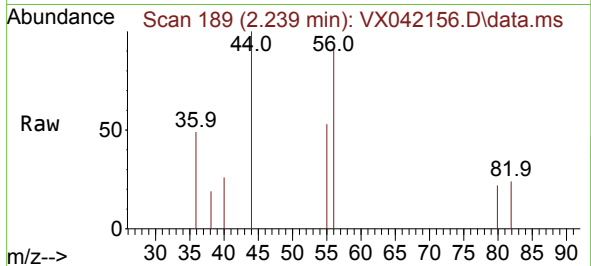




#13
Acrolein
Concen: 1.172 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

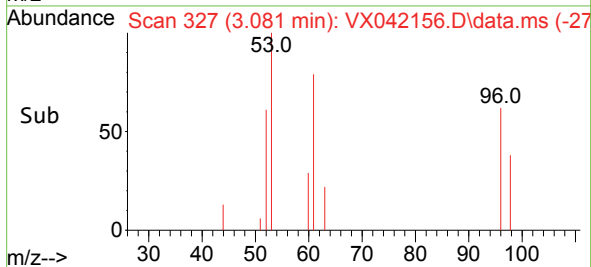
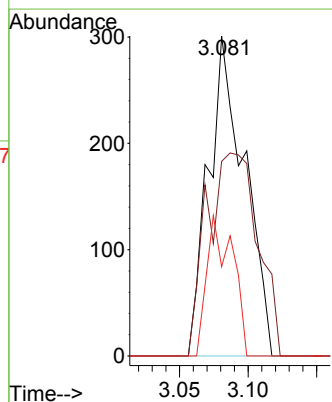
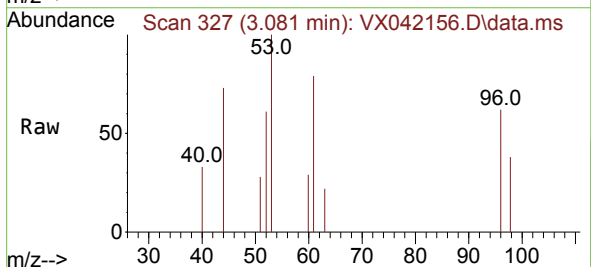
Instrument :
MSVOA_X
ClientSampleId :

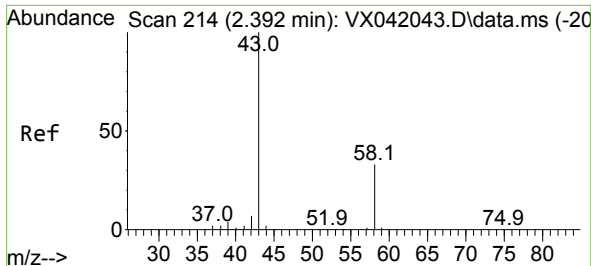
Tgt Ion: 56 Resp: 405
Ion Ratio Lower Upper
56 100
55 78.0 57.1 85.7



#15
Acrylonitrile
Concen: 0.689 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

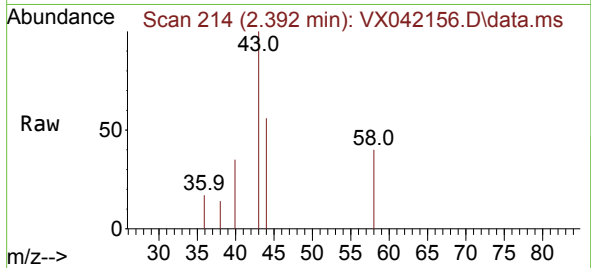
Tgt Ion: 53 Resp: 555
Ion Ratio Lower Upper
53 100
52 89.0 66.0 99.0
51 31.0 29.8 44.6



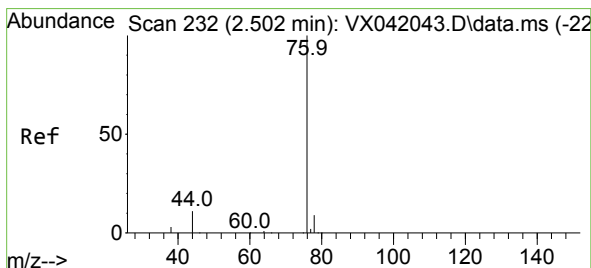
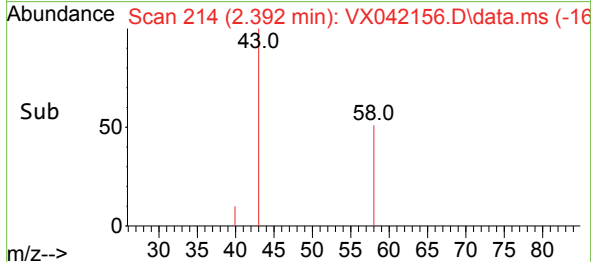
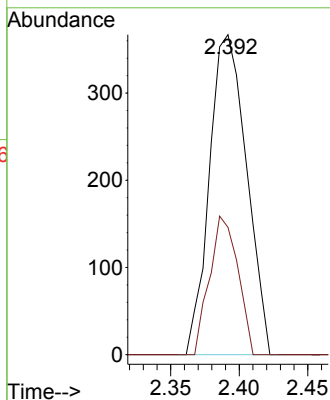


#16
Acetone
Concen: 0.970 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

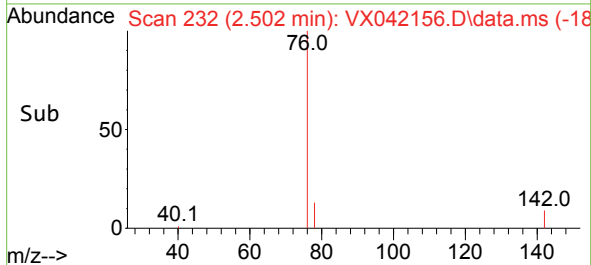
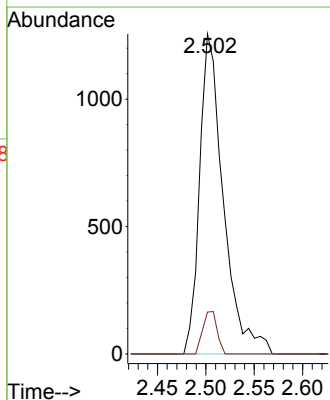
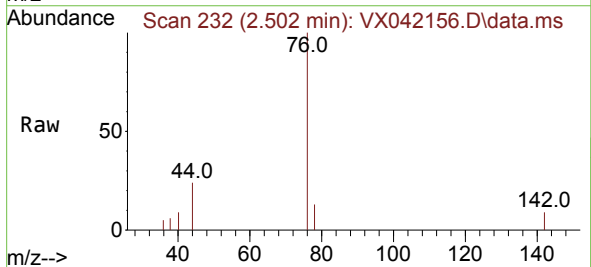


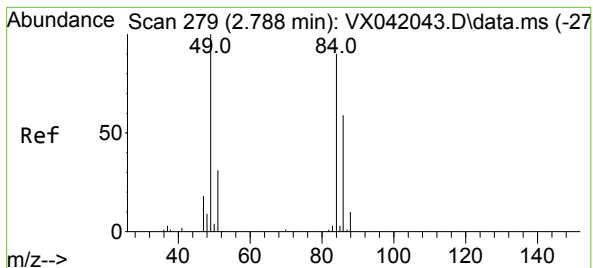
Tgt Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
58 39.8 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.868 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Tgt Ion: 76 Resp: 2151
Ion Ratio Lower Upper
76 100
78 13.1 7.0 10.6#





#20

Methylene Chloride

Concen: 0.385 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

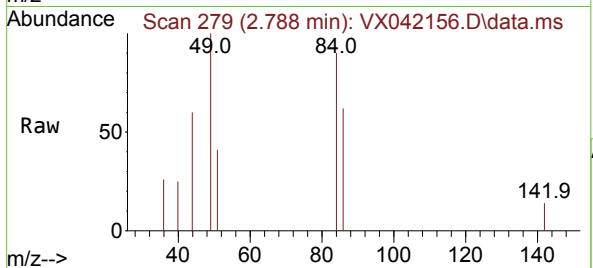
Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 601

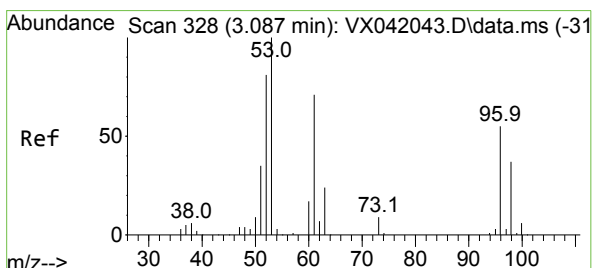
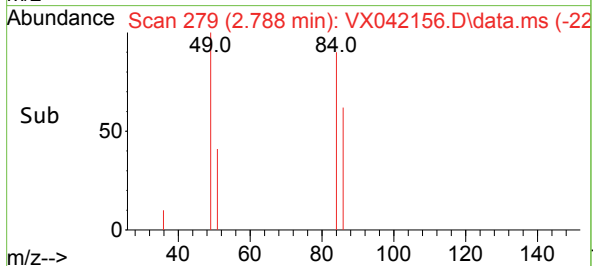
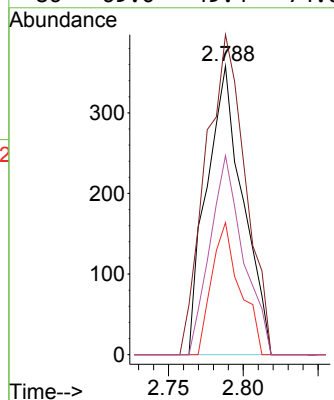
Ion Ratio Lower Upper

84 100

49 110.9 103.6 155.4

51 45.8 33.8 50.6

86 69.0 49.4 74.0



#21

trans-1,2-Dichloroethene

Concen: 0.379 ug/l

RT: 3.087 min Scan# 328

Delta R.T. 0.000 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

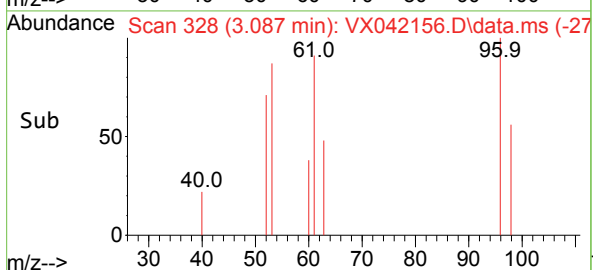
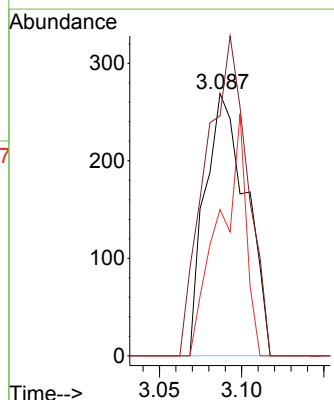
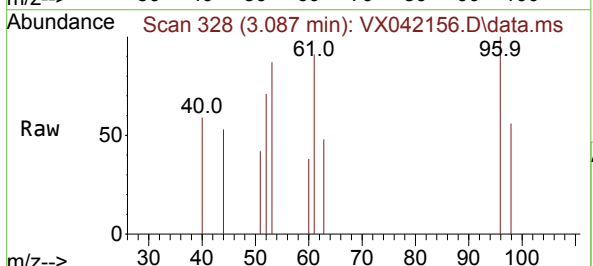
Tgt Ion: 96 Resp: 467

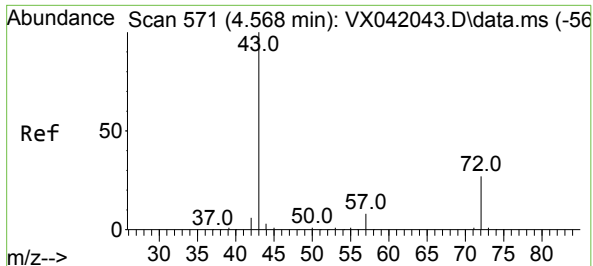
Ion Ratio Lower Upper

96 100

61 91.4 119.2 178.8#

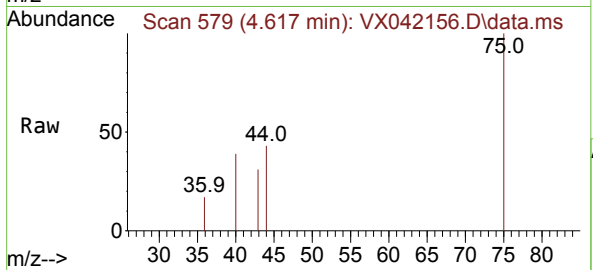
98 55.8 48.7 73.1



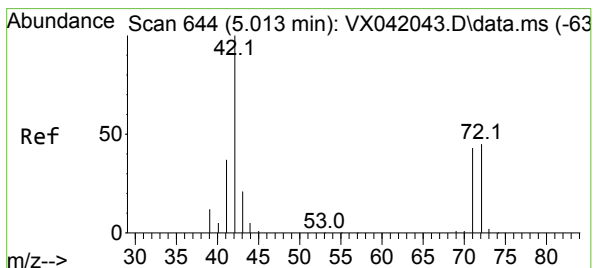
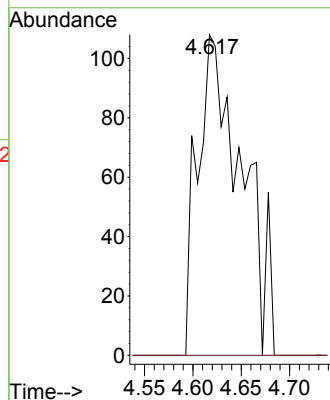
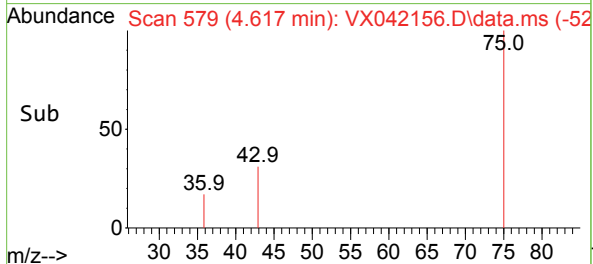


#25
2-Butanone
Concen: 0.312 ug/l
RT: 4.617 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

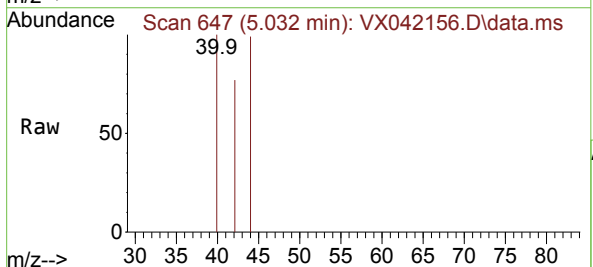
Instrument :
MSVOA_X
ClientSampleId :



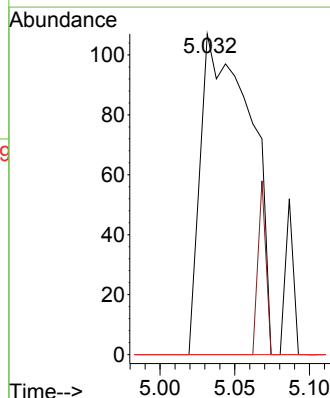
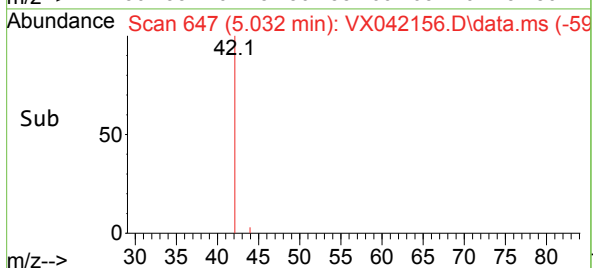
Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#

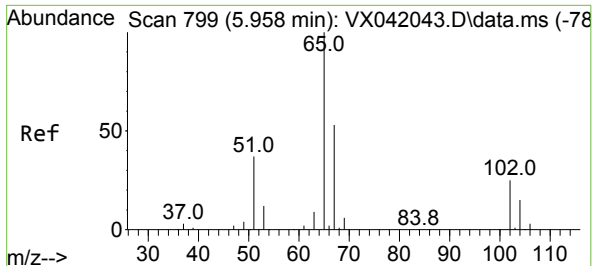


#29
Tetrahydrofuran
Concen: 0.345 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02



Tgt Ion: 42 Resp: 247
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#





#33

1,2-Dichloroethane-d4

Concen: 42.428 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

Instrument :

MSVOA_X

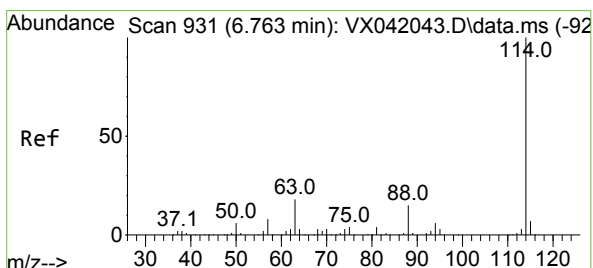
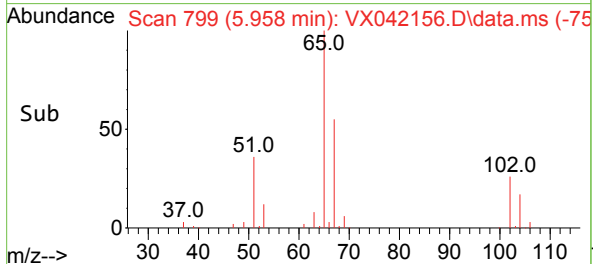
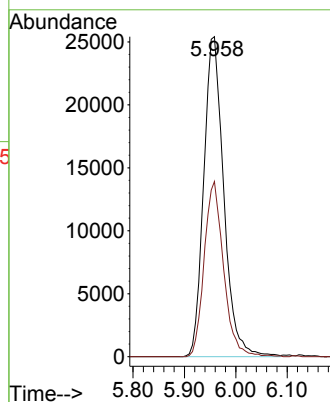
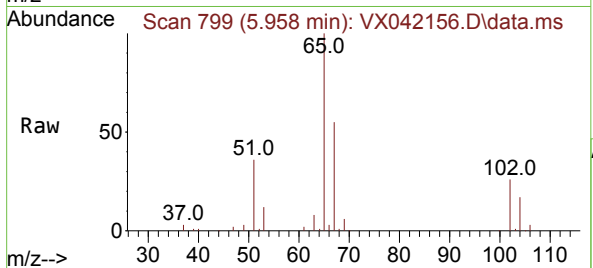
ClientSampleId :

Tgt Ion: 65 Resp: 68910

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

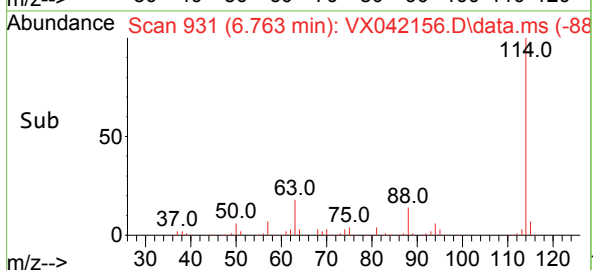
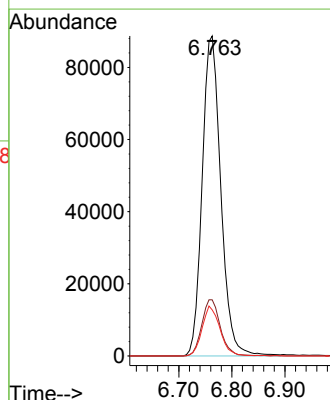
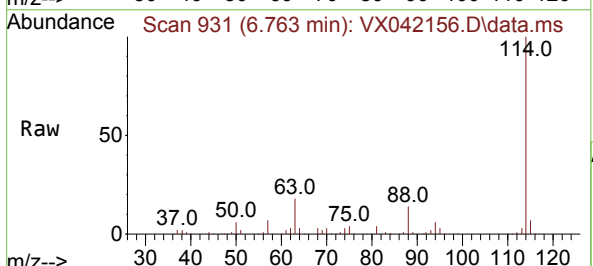
Tgt Ion:114 Resp: 216863

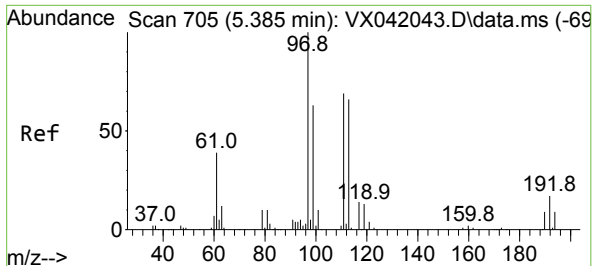
Ion Ratio Lower Upper

114 100

63 17.5 0.0 45.0

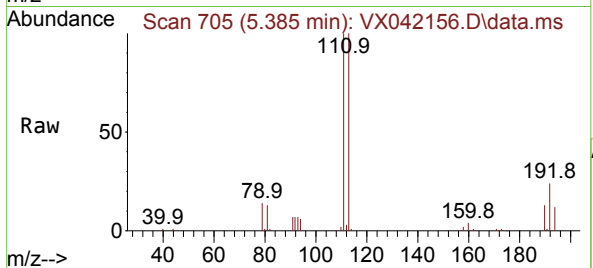
88 14.4 0.0 36.6



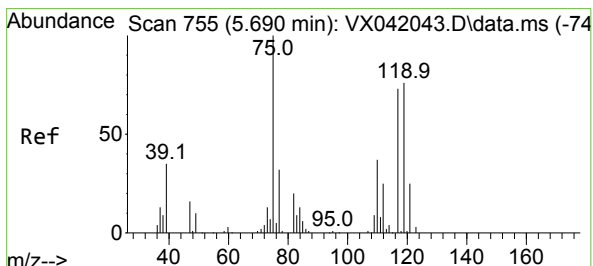
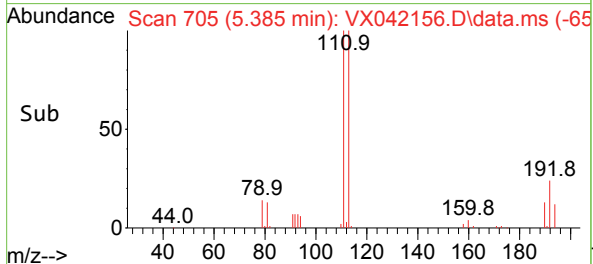
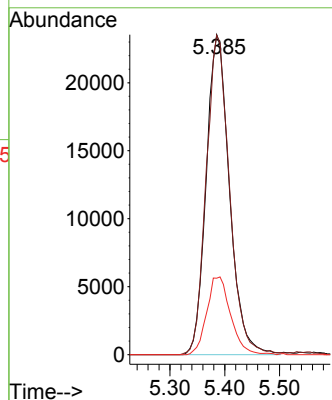


#35
Dibromofluoromethane
Concen: 45.124 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

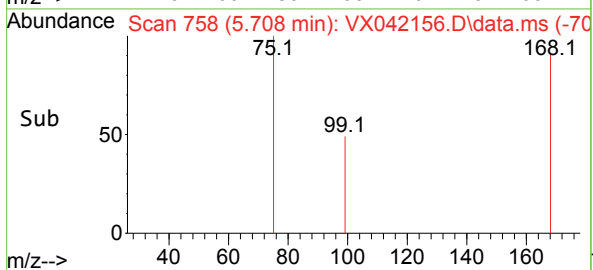
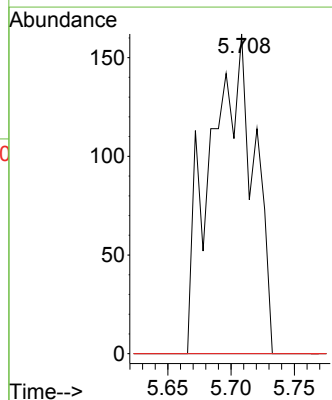
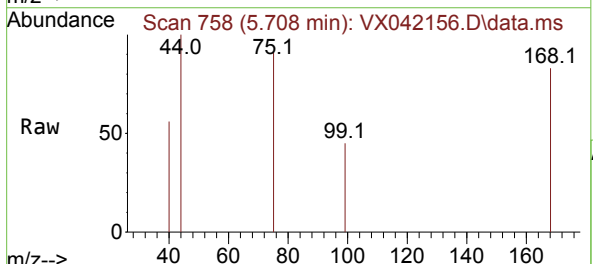


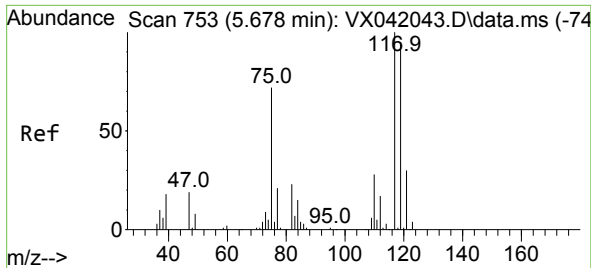
Tgt Ion:113 Resp: 69435
Ion Ratio Lower Upper
113 100
111 100.0 82.9 124.3
192 24.8 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 0.240 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.018 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

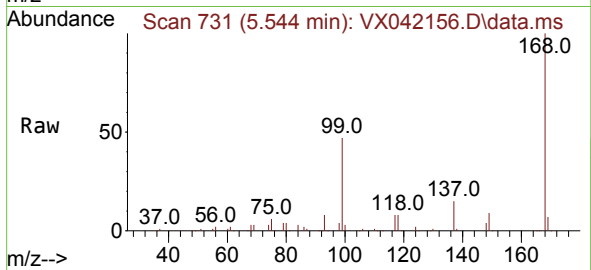
Tgt Ion: 75 Resp: 392
Ion Ratio Lower Upper
75 100
110 0.0 17.0 50.9#
77 0.0 24.7 37.1#



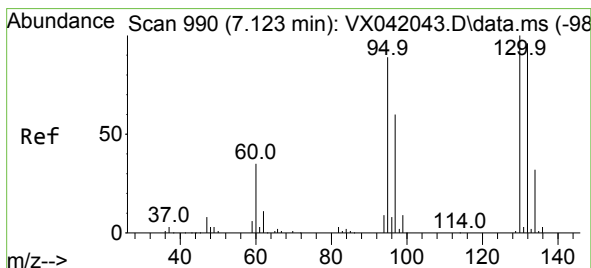
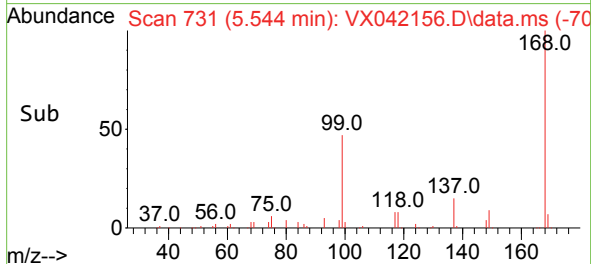
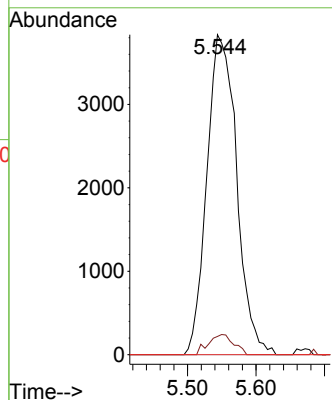


#38
Carbon Tetrachloride
Concen: 6.417 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

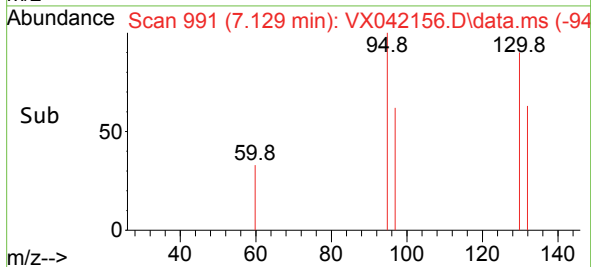
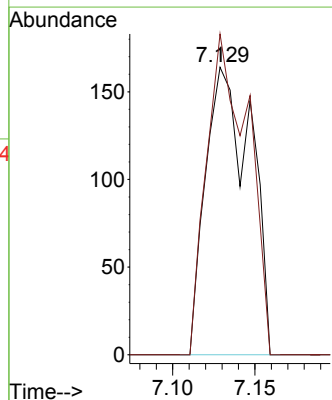
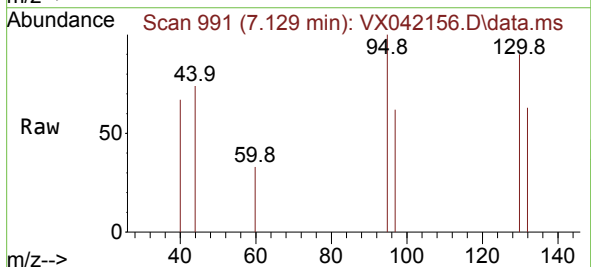


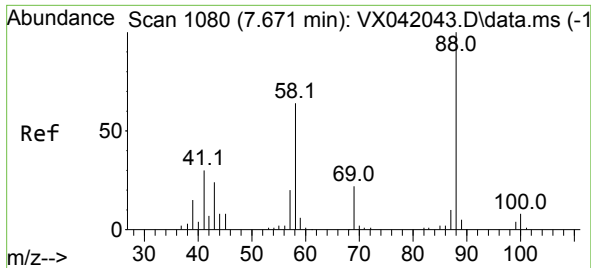
Tgt Ion:117 Resp: 11586
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.211 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

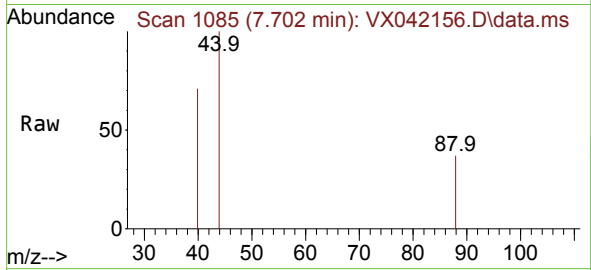
Tgt Ion:130 Resp: 312
Ion Ratio Lower Upper
130 100
95 111.6 0.0 204.4



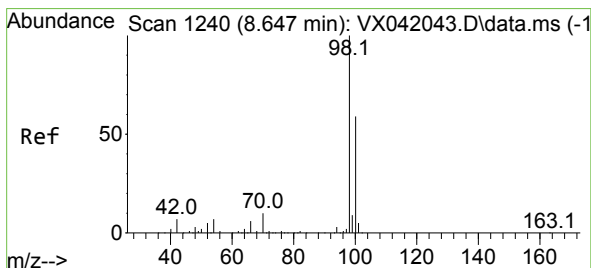
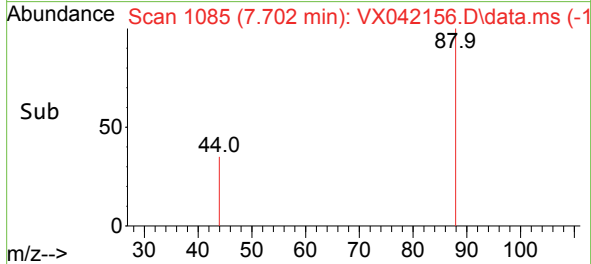
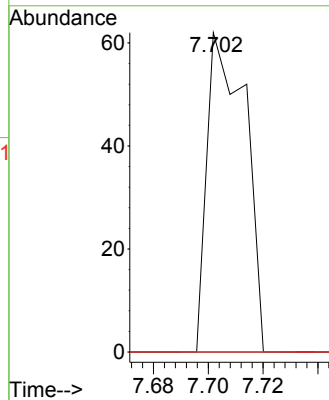


#49
1,4-Dioxane
Concen: 21.357 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.037 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

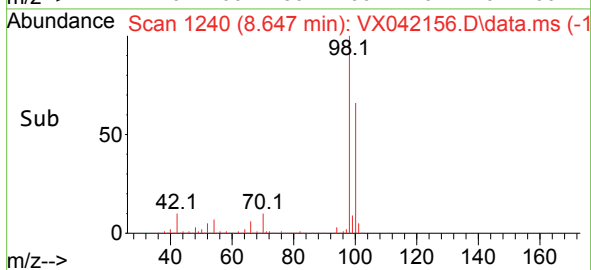
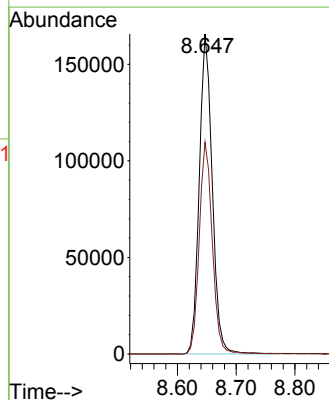
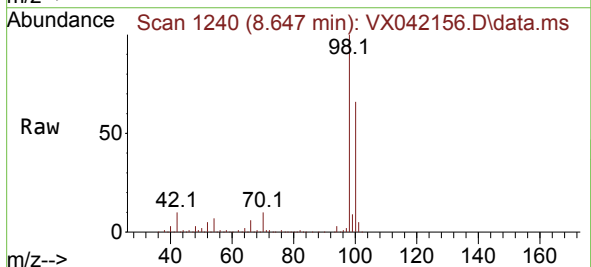


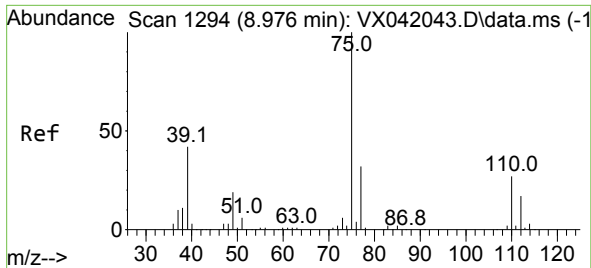
Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	0.0	60.1	90.1



#50
Toluene-d8
Concen: 47.067 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.1	79.7

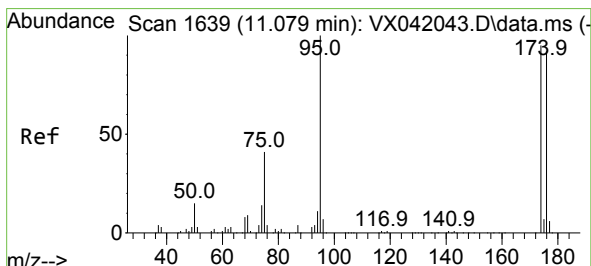
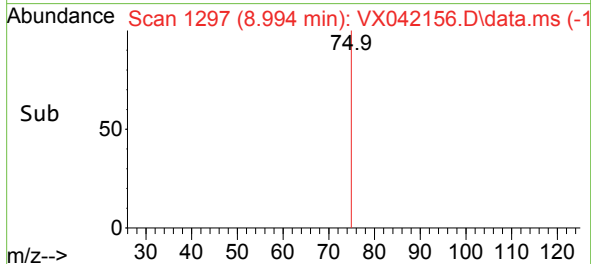
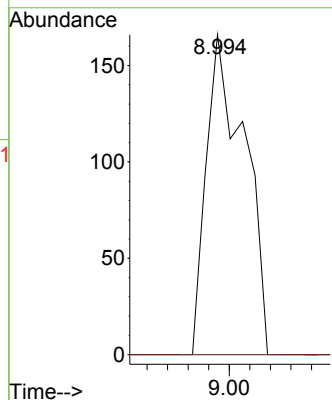
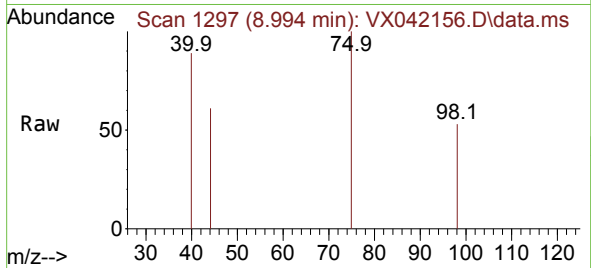




#53
t-1,3-Dichloropropene
Concen: 1.004 ug/l
RT: 8.994 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

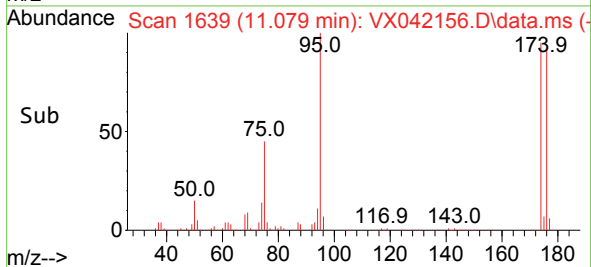
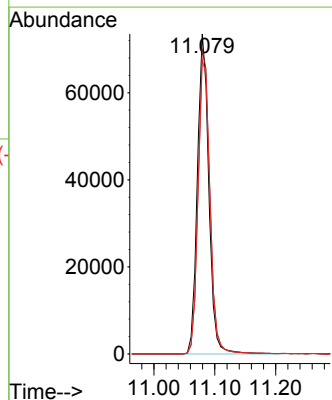
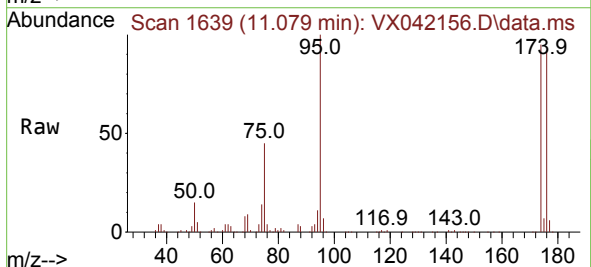
Instrument :
MSVOA_X
ClientSampleId :

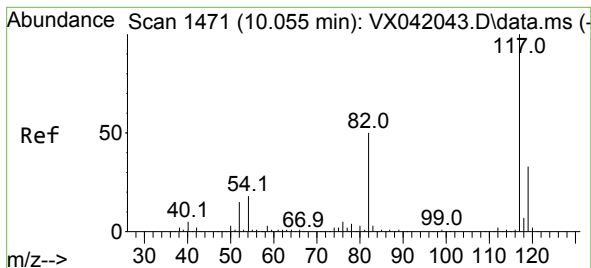
Tgt Ion: 75 Resp: 214
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#62
4-Bromofluorobenzene
Concen: 48.001 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Tgt Ion: 95 Resp: 95651
Ion Ratio Lower Upper
95 100
174 98.0 0.0 135.6
176 95.8 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: VX042156.D

Acq: 03 Jul 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :

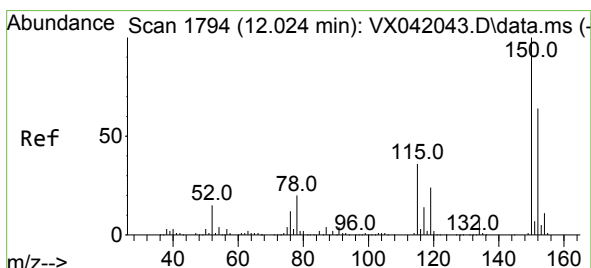
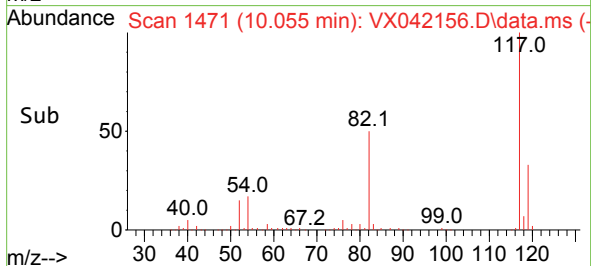
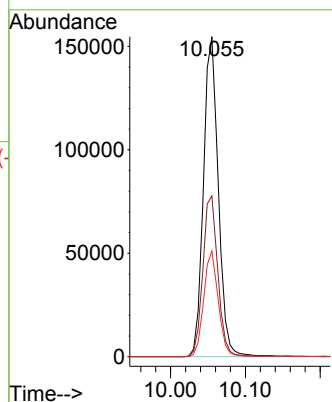
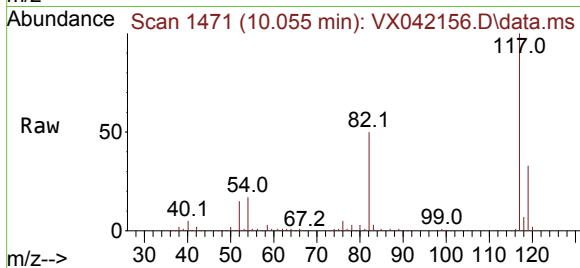
Tgt Ion:117 Resp: 213316

Ion Ratio Lower Upper

117 100

82 50.3 46.2 69.4

119 33.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

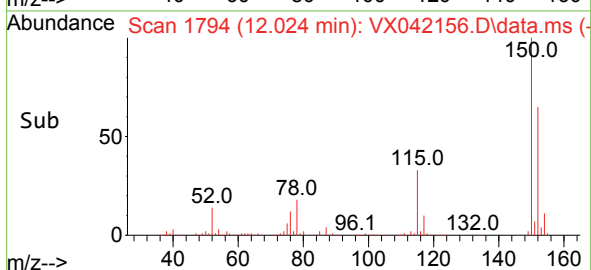
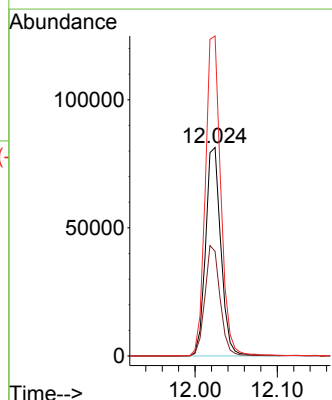
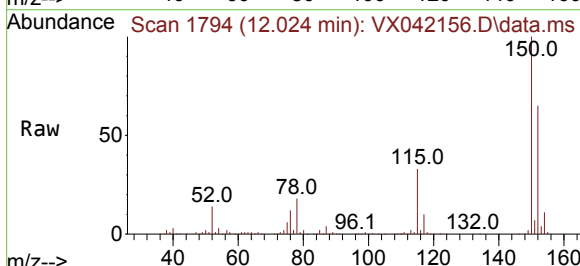
Tgt Ion:152 Resp: 105345

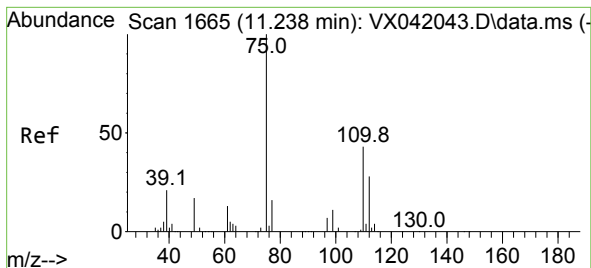
Ion Ratio Lower Upper

152 100

115 52.6 43.3 129.9

150 155.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.640 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

Instrument :

MSVOA_X

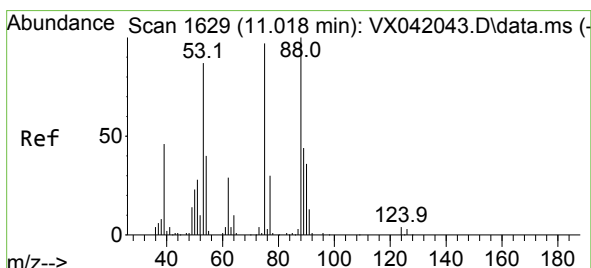
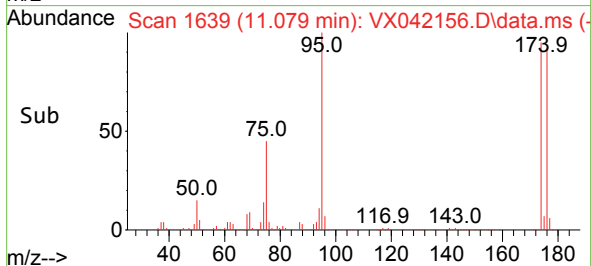
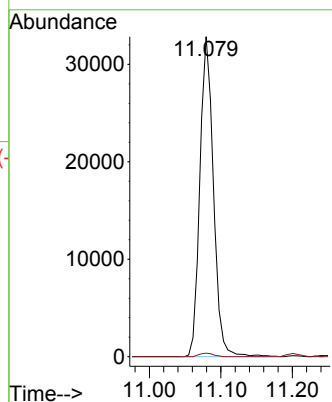
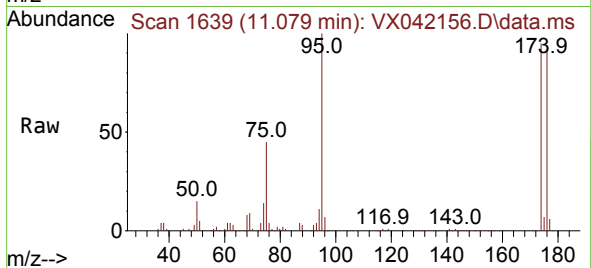
ClientSampleId :

Tgt Ion: 75 Resp: 43298

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.296 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

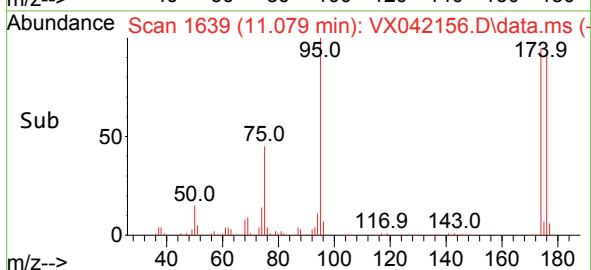
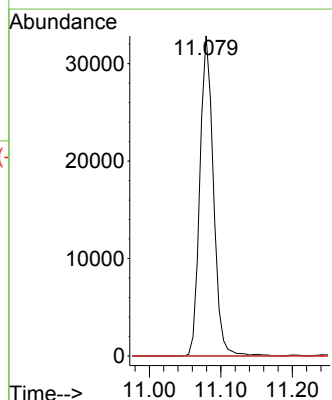
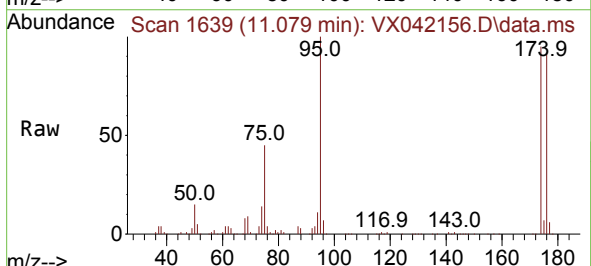
Tgt Ion: 75 Resp: 43298

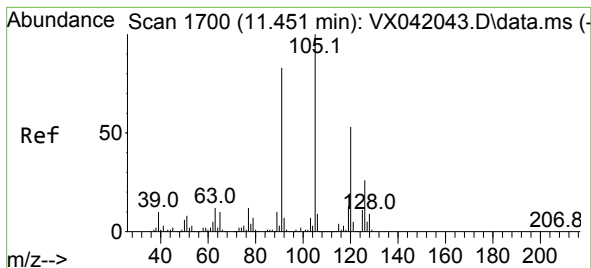
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 0.220 ug/l

RT: 11.463 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

Instrument :

MSVOA_X

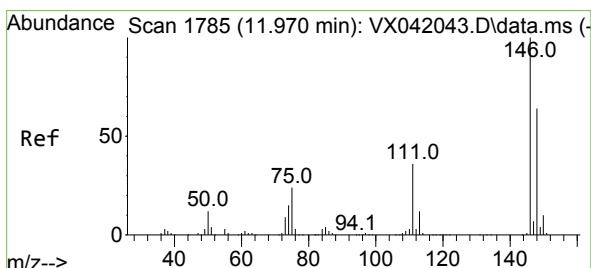
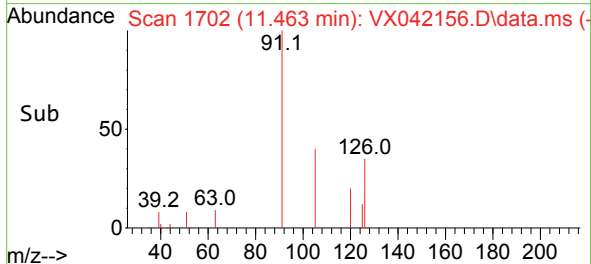
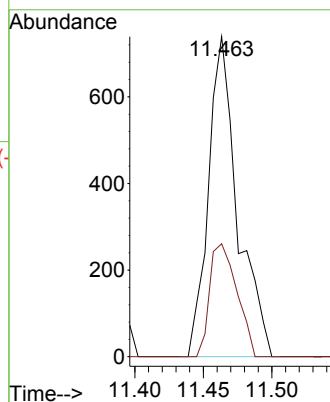
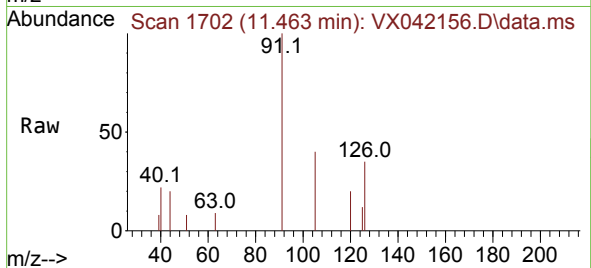
ClientSampleId :

Tgt Ion: 91 Resp: 1091

Ion Ratio Lower Upper

91 100

126 33.1 14.2 42.6



#87

1,3-Dichlorobenzene

Concen: 0.280 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

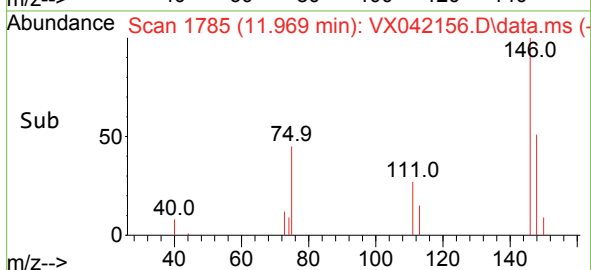
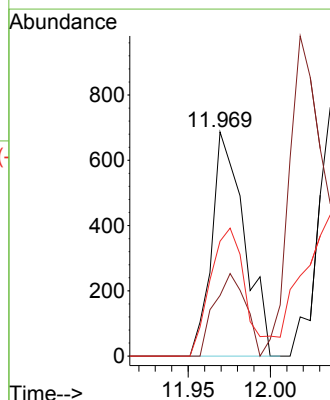
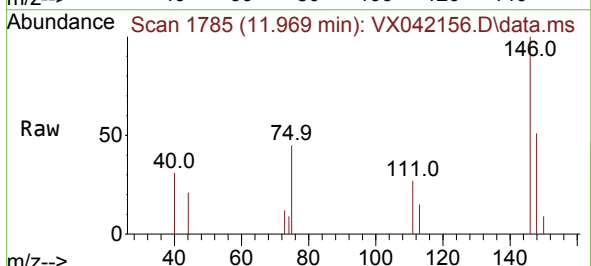
Tgt Ion: 146 Resp: 940

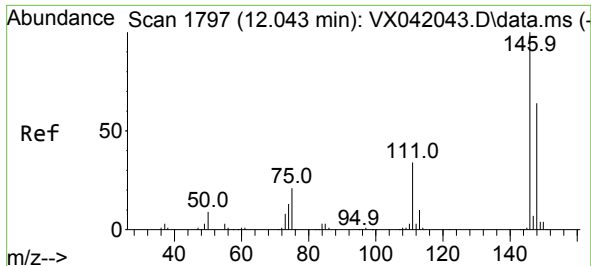
Ion Ratio Lower Upper

146 100

111 35.5 22.1 66.1

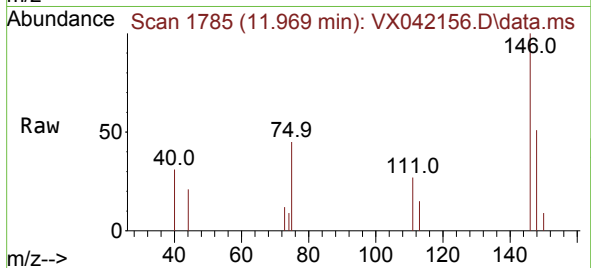
148 60.1 31.8 95.3



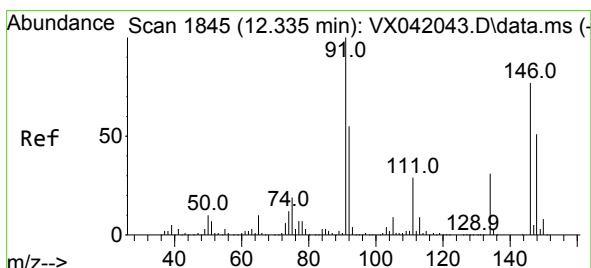
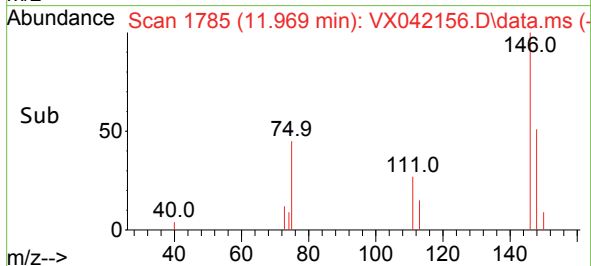
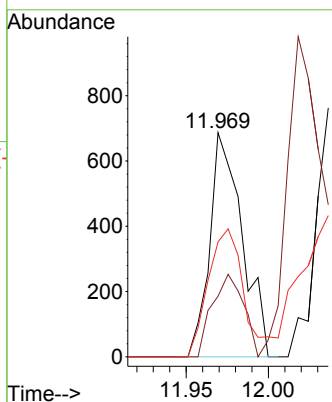


#88
1,4-Dichlorobenzene
Concen: 0.273 ug/l
RT: 11.969 min Scan# 1797
Delta R.T. -0.073 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

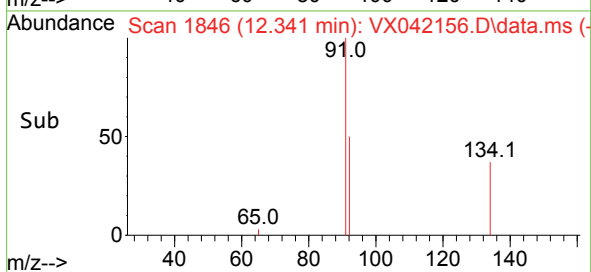
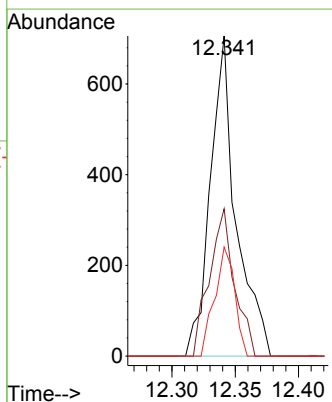
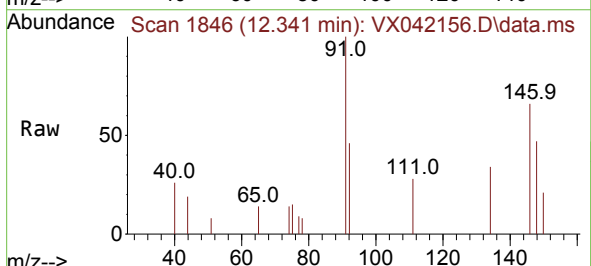


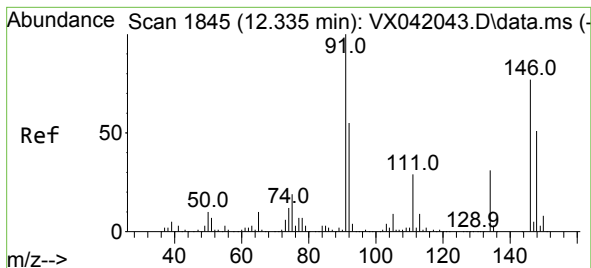
Tgt Ion:146 Resp: 940
Ion Ratio Lower Upper
146 100
111 35.5 21.3 63.7
148 60.1 31.8 95.4



#89
n-Butylbenzene
Concen: 0.223 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Tgt Ion: 91 Resp: 995
Ion Ratio Lower Upper
91 100
92 44.9 27.4 82.0
134 26.5 12.6 37.8





#91

1,2-Dichlorobenzene

Concen: 0.208 ug/l

RT: 12.341 min Scan# 1845

Delta R.T. 0.006 min

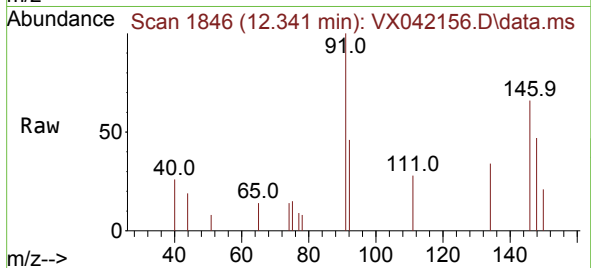
Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :



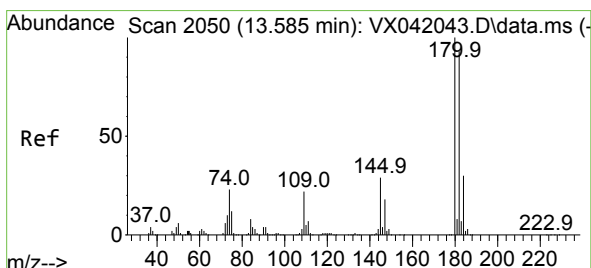
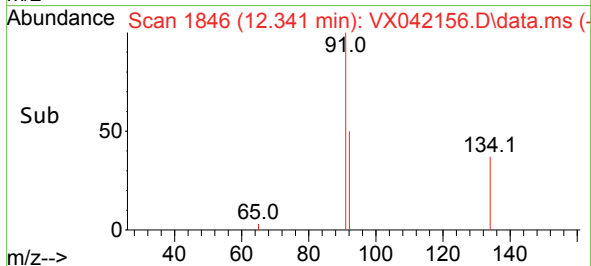
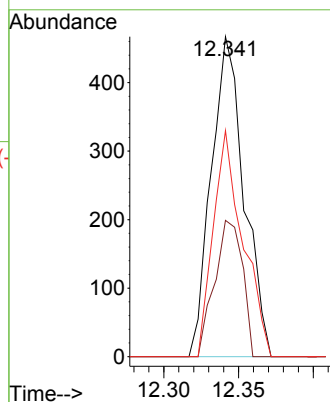
Tgt Ion:146 Resp: 712

Ion Ratio Lower Upper

146 100

111 36.1 22.4 67.0

148 63.6 31.6 95.0



#93

1,2,4-Trichlorobenzene

Concen: 0.633 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX042156.D

Acq: 03 Jul 2024 12:02

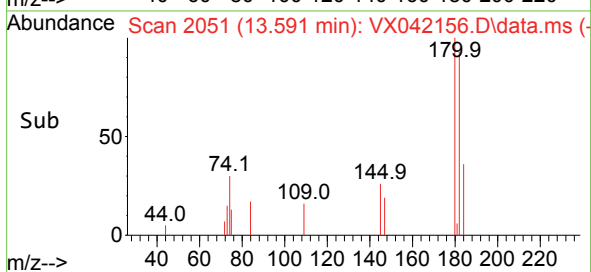
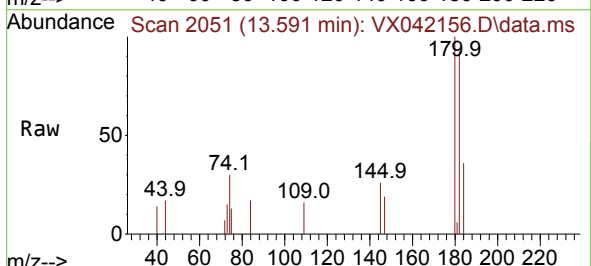
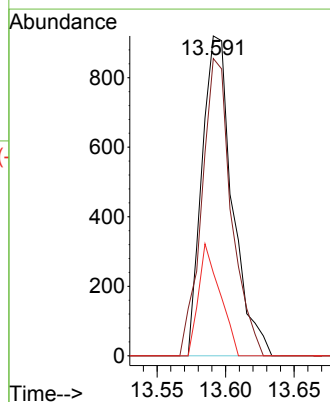
Tgt Ion:180 Resp: 1423

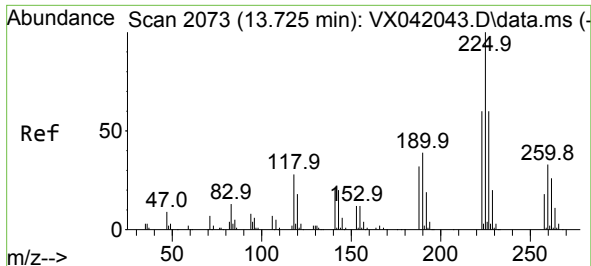
Ion Ratio Lower Upper

180 100

182 90.5 48.3 144.8

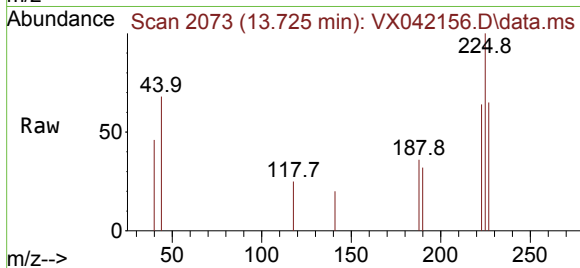
145 24.6 18.0 54.0



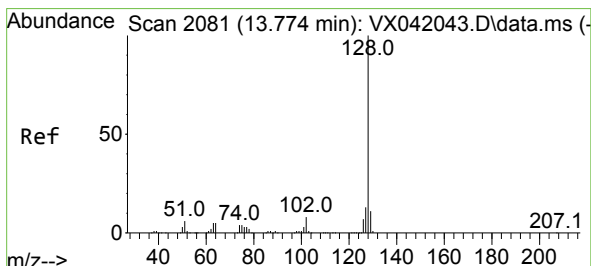
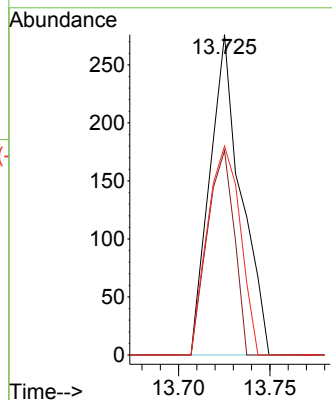
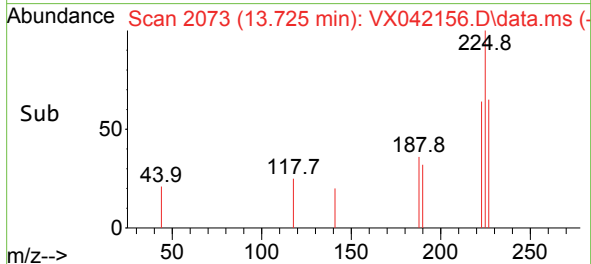


#94
Hexachlorobutadiene
Concen: 0.289 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

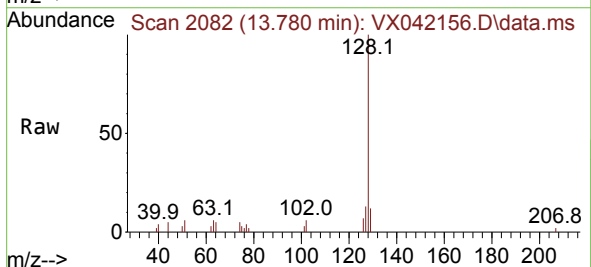
Instrument :
MSVOA_X
ClientSampleId :



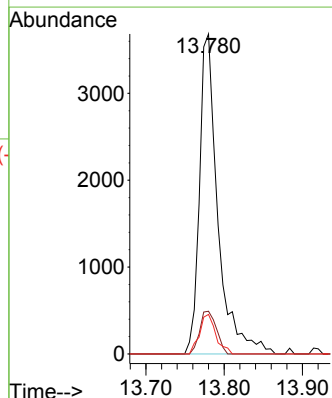
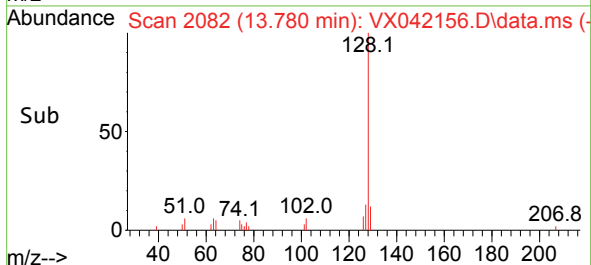
Tgt Ion:225 Resp: 328
Ion Ratio Lower Upper
225 100
223 54.9 31.1 93.2
227 68.6 32.5 97.5

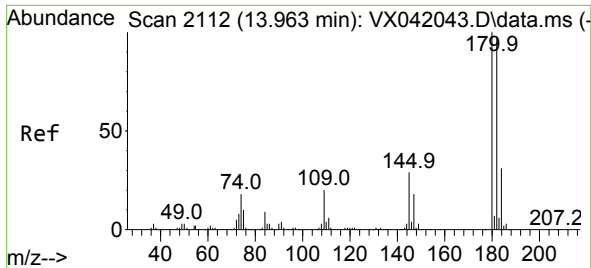


#95
Naphthalene
Concen: 1.533 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02



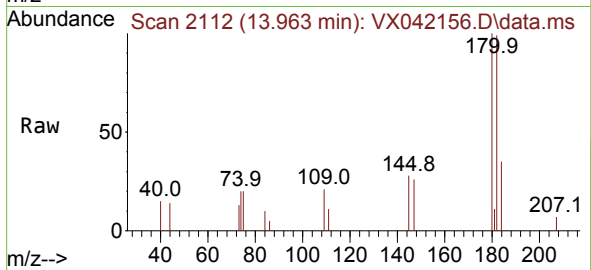
Tgt Ion:128 Resp: 6020
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 10.9 8.8 13.2





#96
1,2,3-Trichlorobenzene
Concen: 0.675 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX042156.D
Acq: 03 Jul 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.9	140.6
145	25.7	17.8	53.5

