

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041624\
 Data File : VX041100.D
 Acq On : 16 Apr 2024 13:19
 Operator : JC/MD
 Sample : VX0416WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBL01

Quant Time: Apr 17 02:08:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 02:04:44 2024
 Response via : Initial Calibration

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

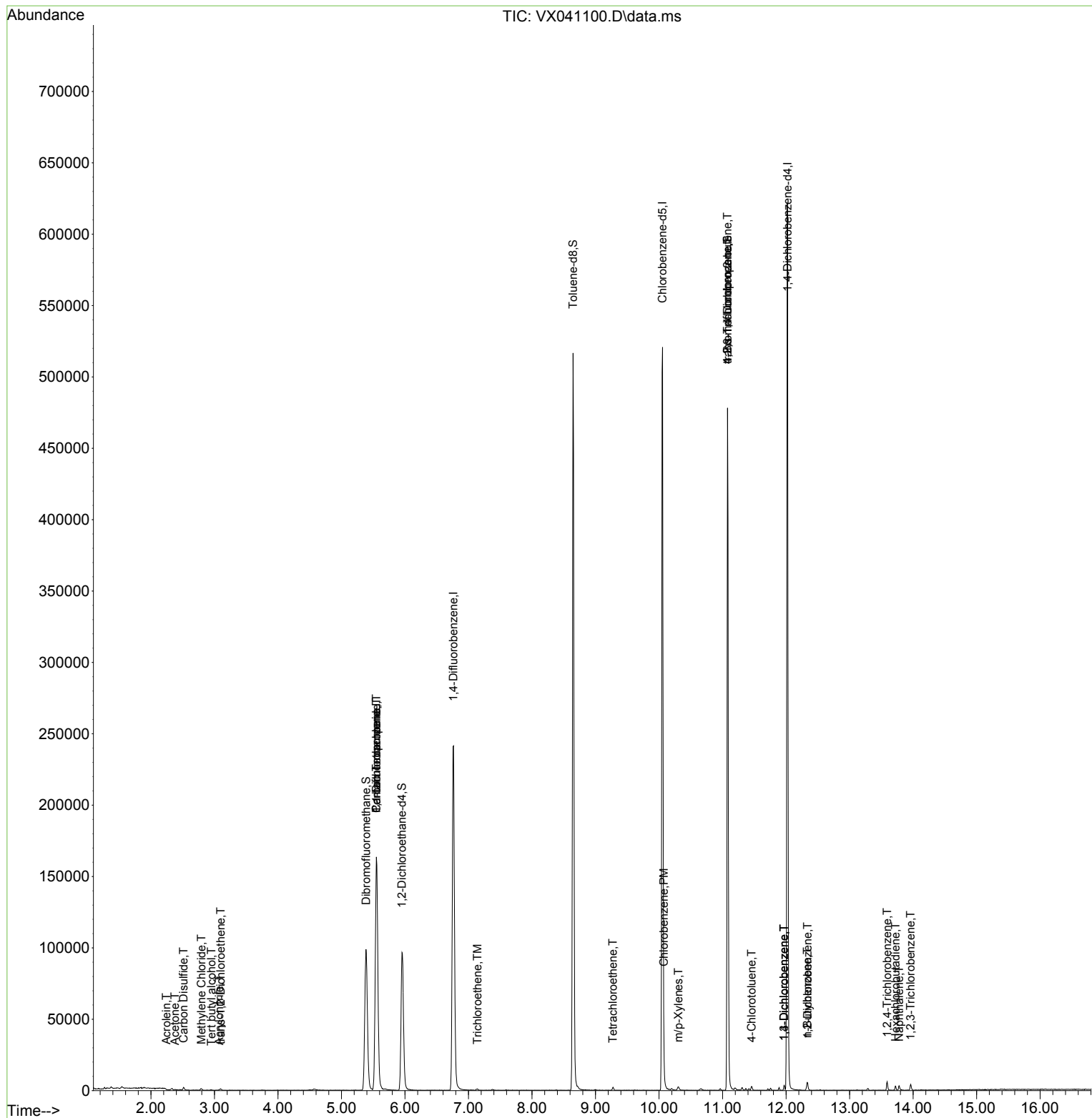
Internal Standards						
1) Pentafluorobenzene	5.550	168	176137	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	265995	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96893	50.952	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.900%			
35) Dibromofluoromethane	5.385	113	85476	48.104	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.200%			
50) Toluene-d8	8.647	98	310643	49.911	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.820%			
62) 4-Bromofluorobenzene	11.079	95	117629	49.786	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.580%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	185	0.497	ug/l	# 78
13) Acrolein	2.239	56	158	0.338	ug/l	87
15) Acrylonitrile	3.075	53	213	0.231	ug/l	# 73
16) Acetone	2.380	43	391	0.489	ug/l	91
17) Carbon Disulfide	2.514	76	1977	0.559	ug/l	# 80
20) Methylene Chloride	2.794	84	633	0.371	ug/l	# 84
21) trans-1,2-Dichloroethene	3.099	96	393	0.246	ug/l	# 74
36) 1,1-Dichloropropene	5.550	75	10591	4.708	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	15034	5.764	ug/l	# 15
44) Trichloroethene	7.141	130	430	0.211	ug/l	86
64) Tetrachloroethene	9.275	164	478	0.233	ug/l	# 48
65) Chlorobenzene	10.073	112	1319	0.231	ug/l	92
68) m/p-Xylenes	10.305	106	756	0.214	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	57528	24.494	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	57528	62.649	ug/l	# 5
82) 4-Chlorotoluene	11.457	91	1446	0.214	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	1427	0.303	ug/l	86
88) 1,4-Dichlorobenzene	11.969	146	1427	0.287	ug/l	87
89) n-Butylbenzene	12.335	91	1594	0.234	ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	1018	0.218	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	2126	0.605	ug/l	87
94) Hexachlorobutadiene	13.725	225	594	0.355	ug/l	94
95) Naphthalene	13.780	128	2910	0.307	ug/l	# 96
96) 1,2,3-Trichlorobenzene	13.963	180	1493	0.428	ug/l	97

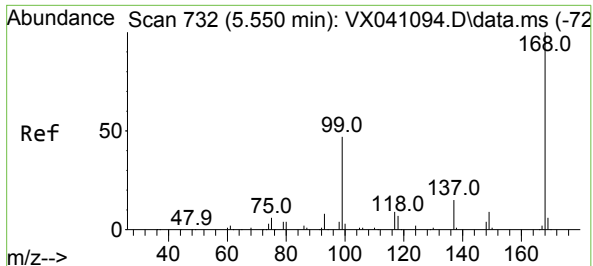
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Apr 17 02:08:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 02:04:44 2024
Response via : Initial Calibration

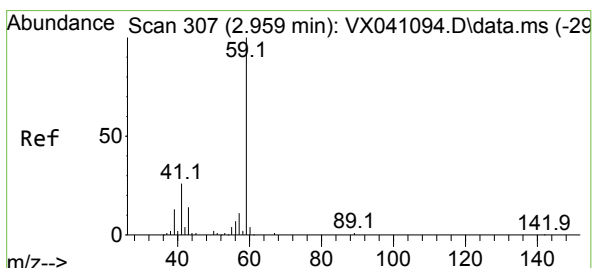
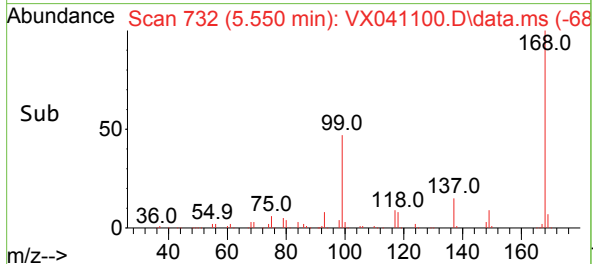
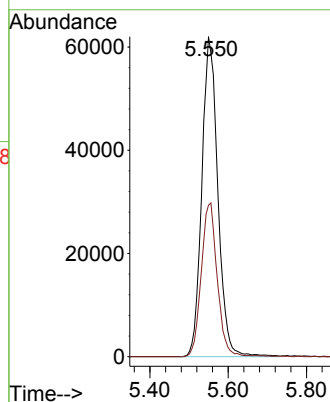
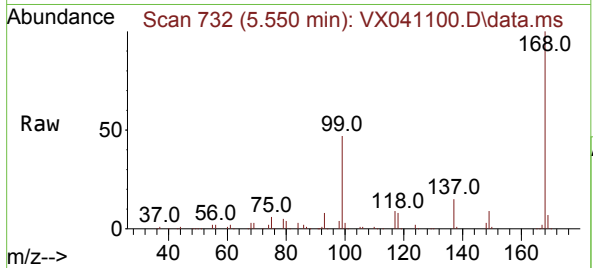




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

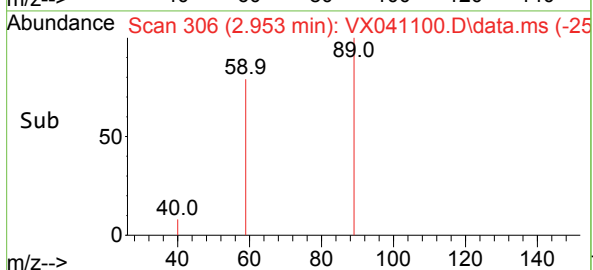
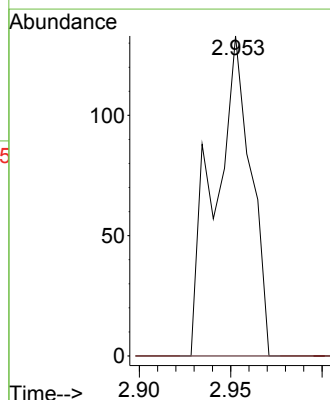
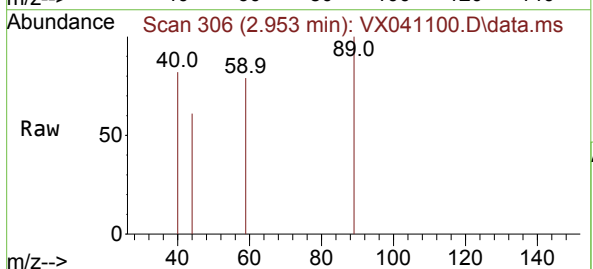
Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

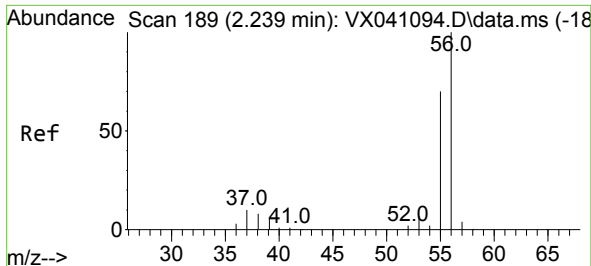
Tgt Ion:168 Resp: 176137
Ion Ratio Lower Upper
168 100
99 47.3 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.497 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.338 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX041100.D

Acq: 16 Apr 2024 13:19

Instrument :

MSVOA_X

ClientSampleId :

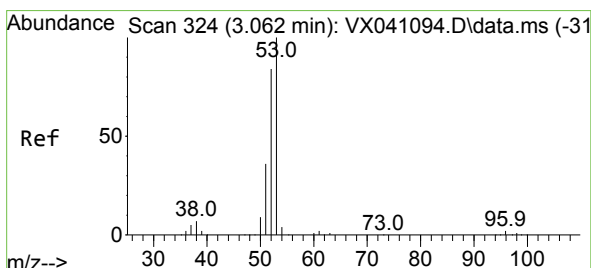
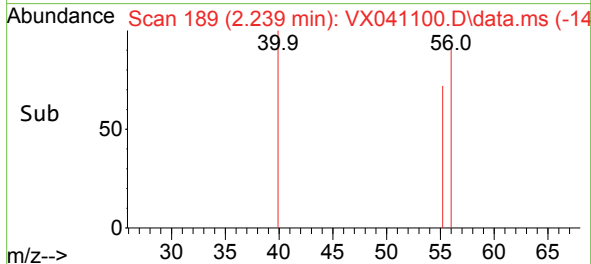
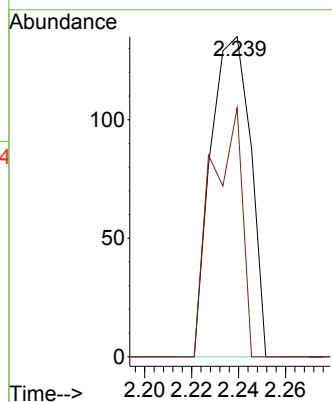
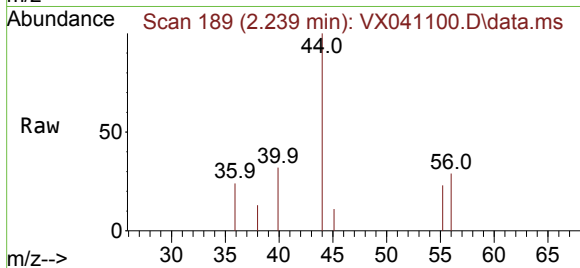
VX0416WBL01

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 60.8 57.1 85.7



#15

Acrylonitrile

Concen: 0.231 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.012 min

Lab File: VX041100.D

Acq: 16 Apr 2024 13:19

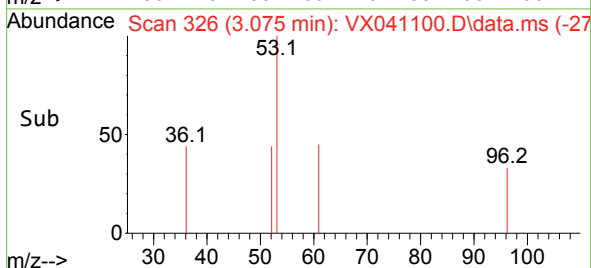
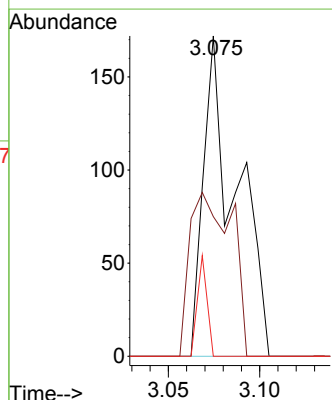
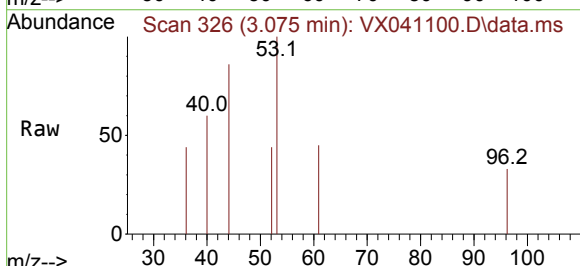
Tgt Ion: 53 Resp: 213

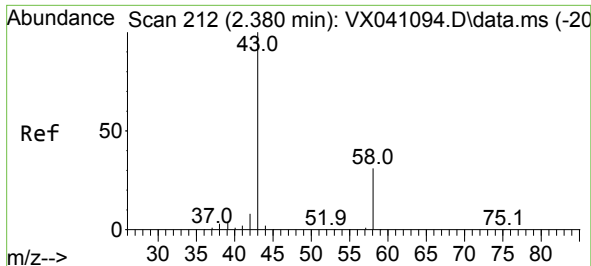
Ion Ratio Lower Upper

53 100

52 66.2 66.0 99.0

51 9.4 29.8 44.6#

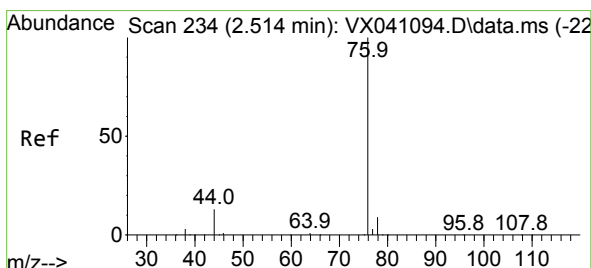
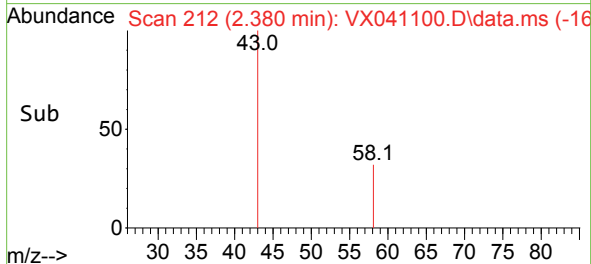
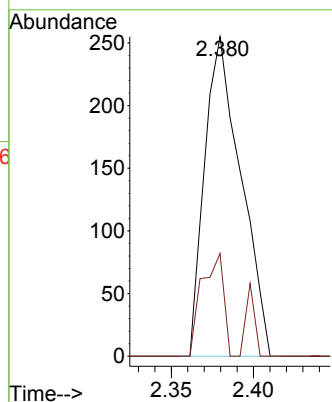
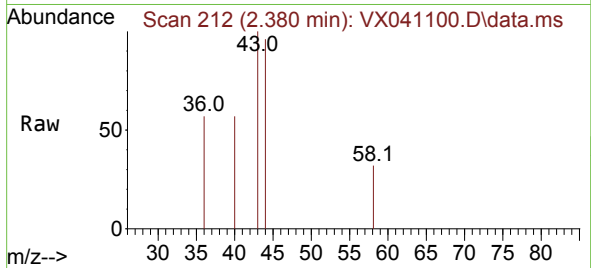




#16
Acetone
Concen: 0.489 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

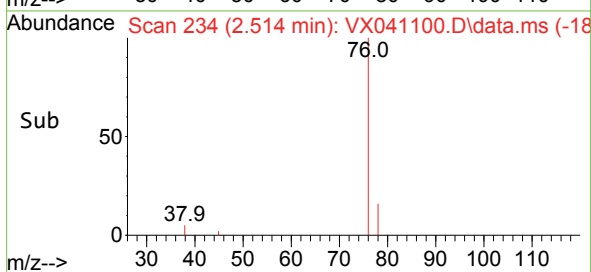
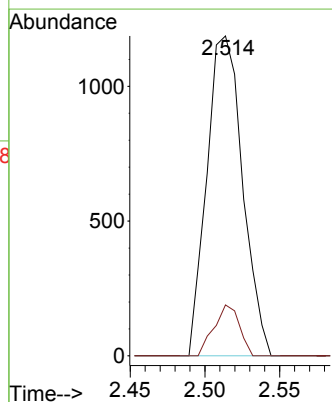
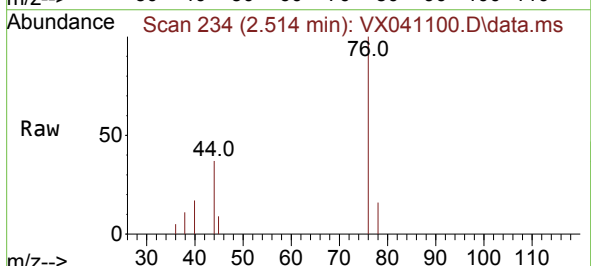
Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

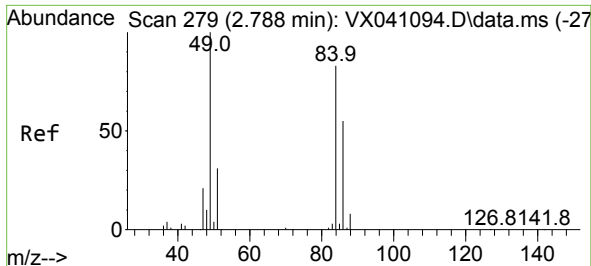
Tgt Ion: 43 Resp: 391
Ion Ratio Lower Upper
43 100
58 32.2 21.9 32.9



#17
Carbon Disulfide
Concen: 0.559 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

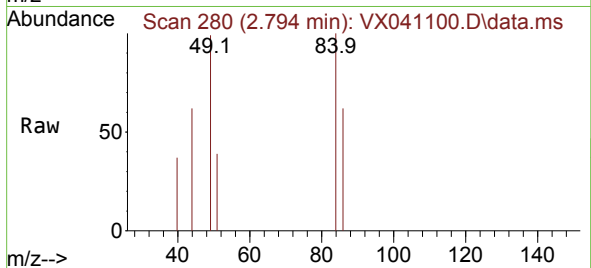
Tgt Ion: 76 Resp: 1977
Ion Ratio Lower Upper
76 100
78 15.9 7.0 10.6#



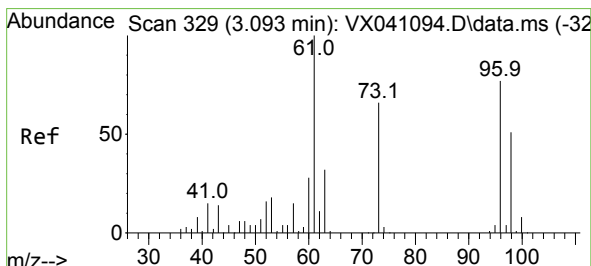
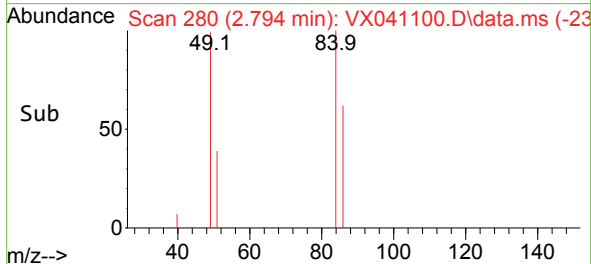
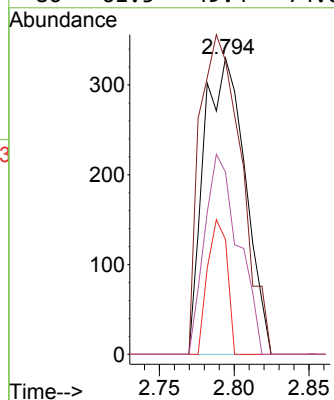


#20
Methylene Chloride
Concen: 0.371 ug/l
RT: 2.794 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

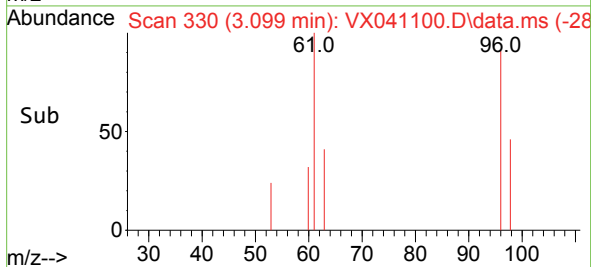
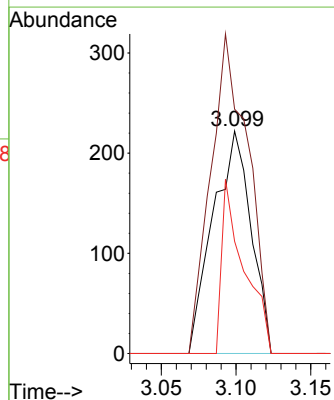
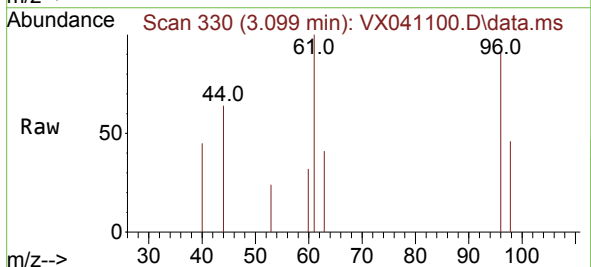


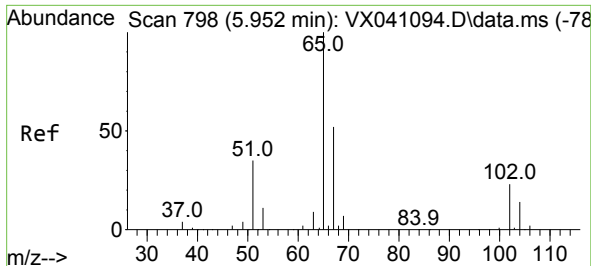
Tgt Ion: 84	Resp: 633
Ion Ratio	Lower Upper
84 100	
49 99.1	103.6 155.4#
51 38.8	33.8 50.6
86 61.5	49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 0.246 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Tgt Ion: 96	Resp: 393		
Ion Ratio	Lower	Upper	
96 100			
61 109.9	119.2	178.8#	
98 50.5	48.7	73.1	

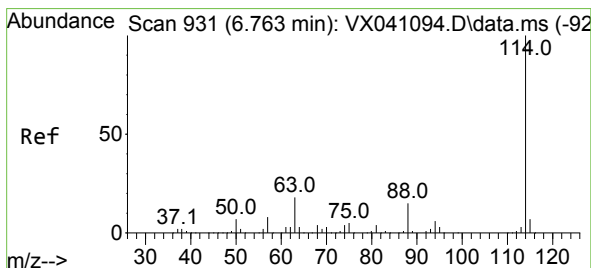
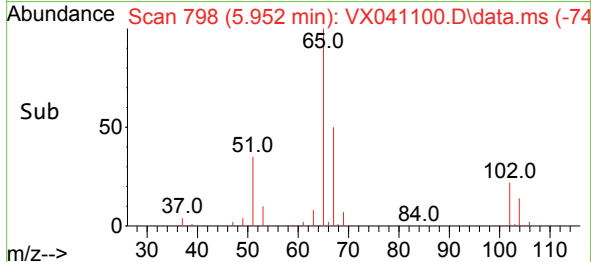
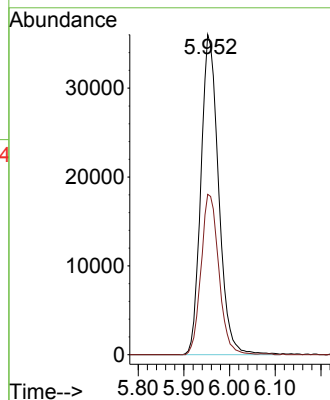
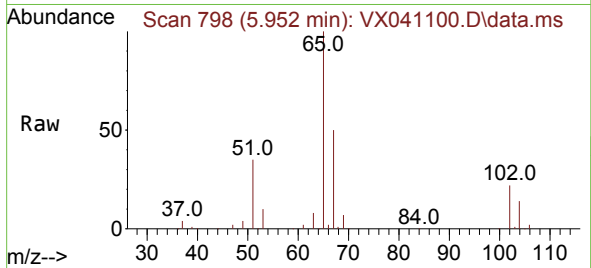




#33
 1,2-Dichloroethane-d4
 Concen: 50.952 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX041100.D
 Acq: 16 Apr 2024 13:19

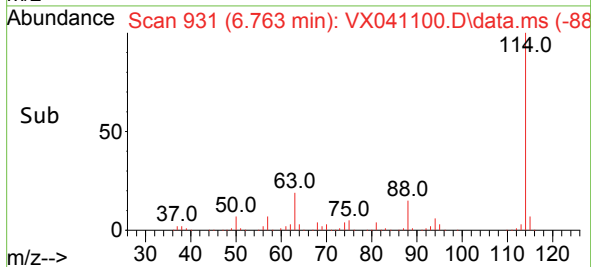
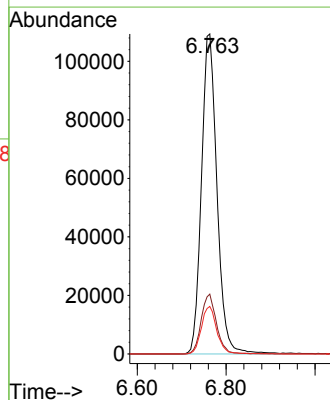
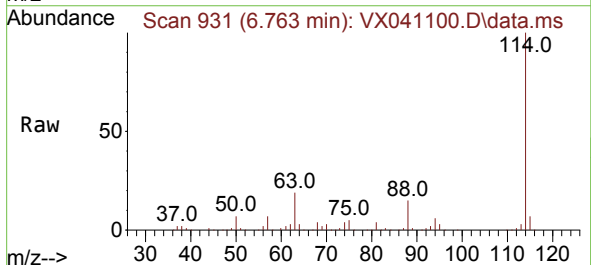
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBL01

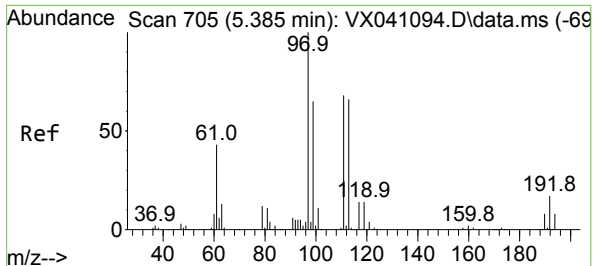
Tgt Ion: 65 Resp: 96893
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX041100.D
 Acq: 16 Apr 2024 13:19

Tgt Ion: 114 Resp: 265995
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 45.0
 88 14.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 48.104 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX041100.D

Acq: 16 Apr 2024 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBL01

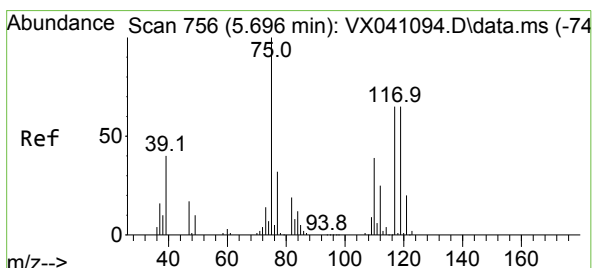
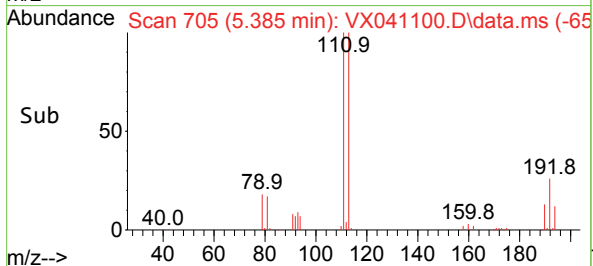
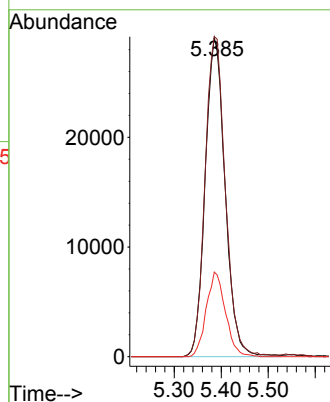
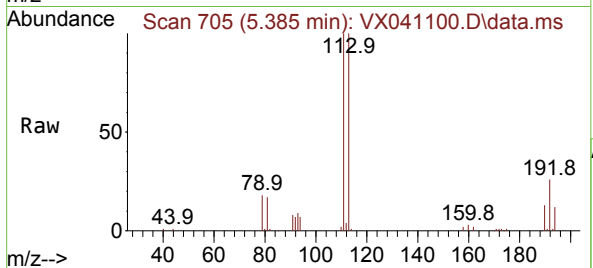
Tgt Ion:113 Resp: 85476

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

192 25.5 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.708 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX041100.D

Acq: 16 Apr 2024 13:19

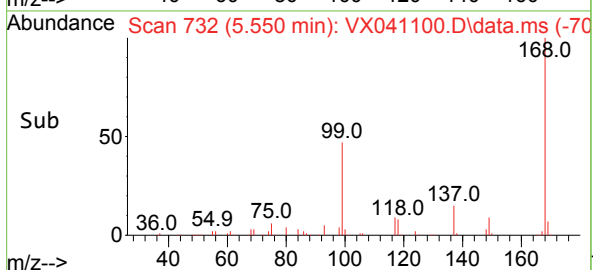
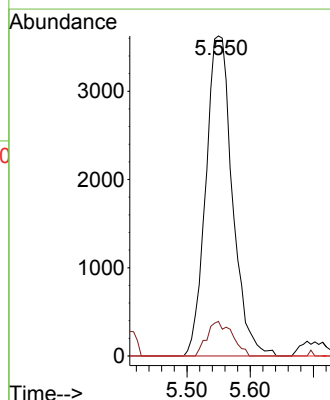
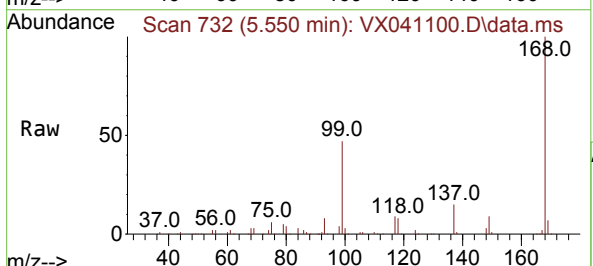
Tgt Ion: 75 Resp: 10591

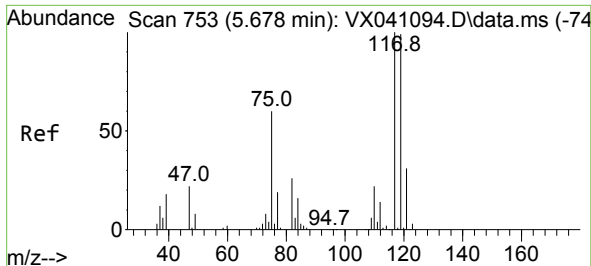
Ion Ratio Lower Upper

75 100

110 10.2 17.0 50.9#

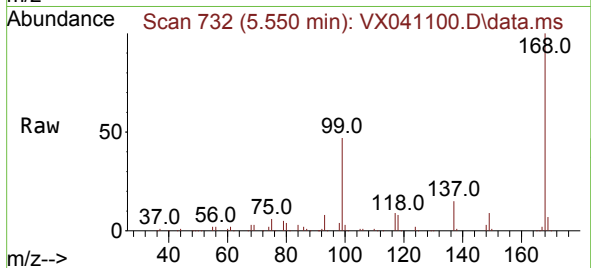
77 0.0 24.7 37.1#



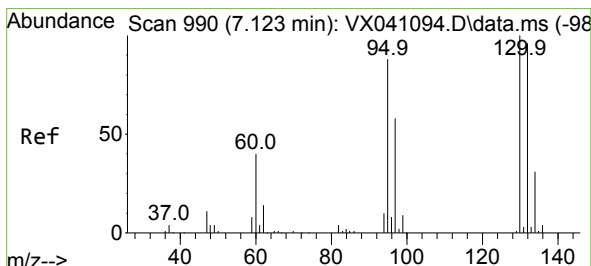
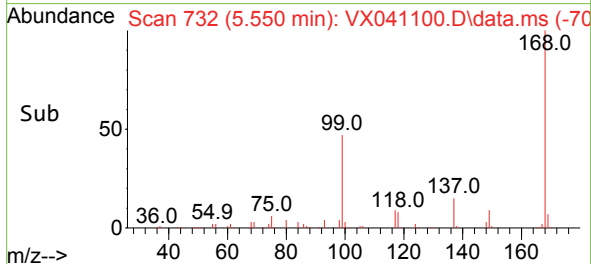
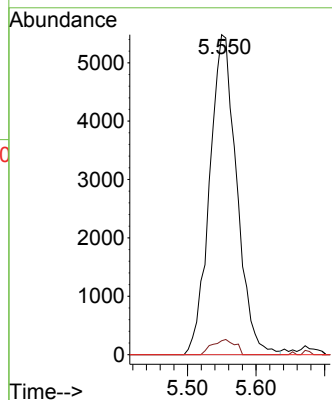


#38
Carbon Tetrachloride
Concen: 5.764 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

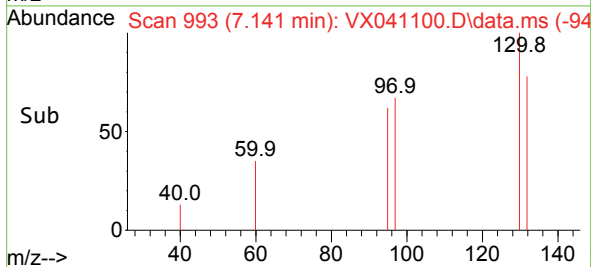
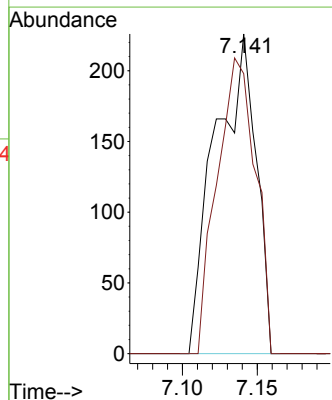
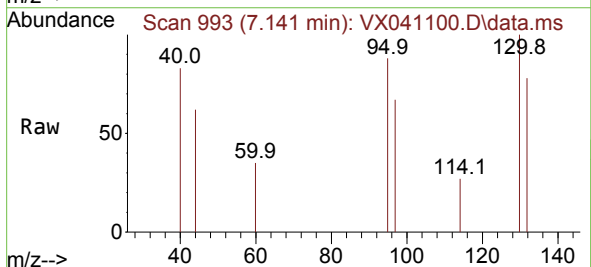


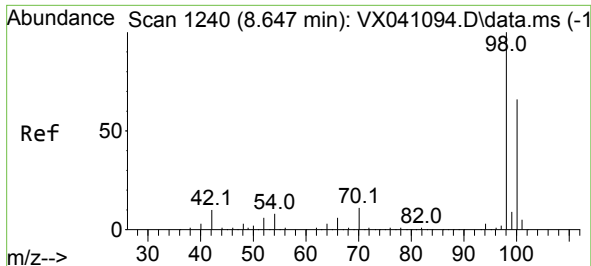
Tgt Ion:117 Resp: 15034
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.211 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.018 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Tgt Ion:130 Resp: 430
Ion Ratio Lower Upper
130 100
95 87.6 0.0 204.4

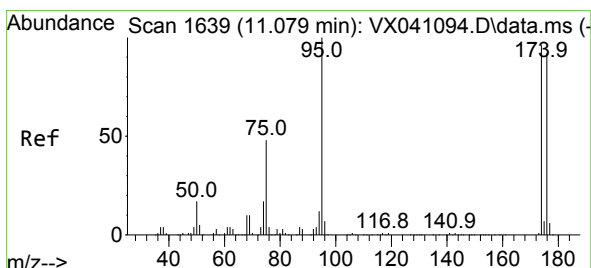
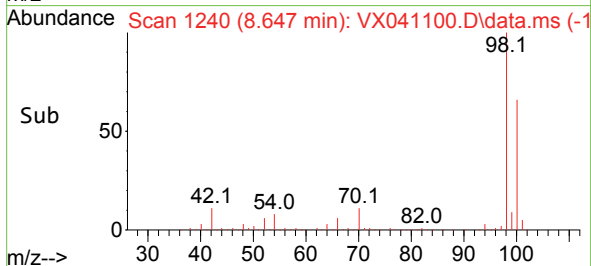
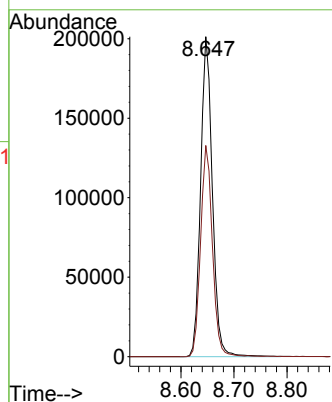
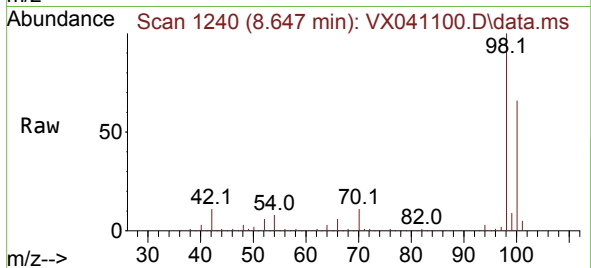




#50
Toluene-d8
Concen: 49.911 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

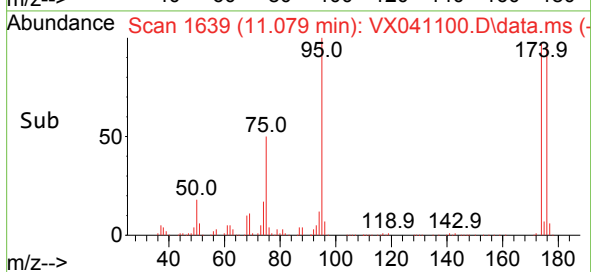
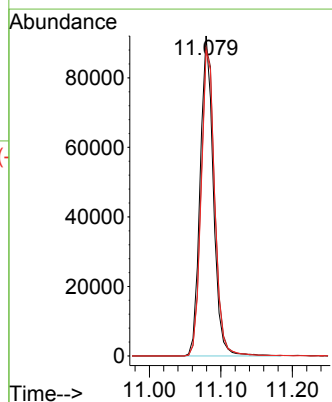
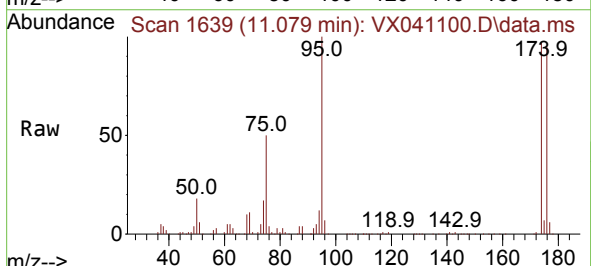
Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

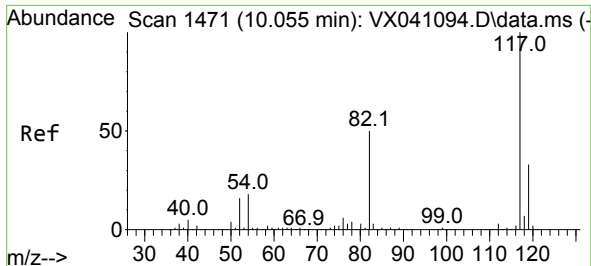
Tgt Ion: 98 Resp: 310643
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Tgt Ion: 95 Resp: 117629
Ion Ratio Lower Upper
95 100
174 100.2 0.0 135.6
176 98.1 0.0 131.0

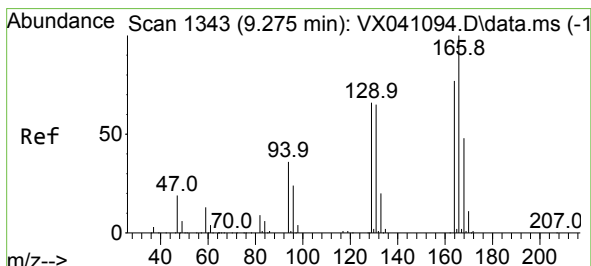
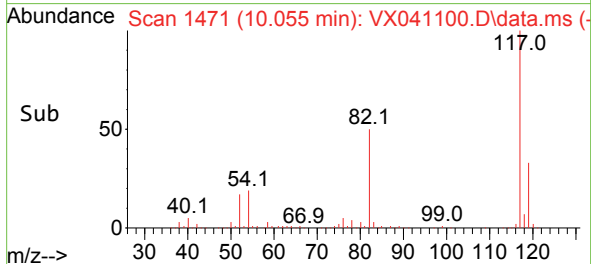
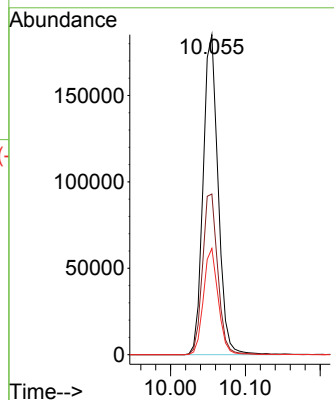
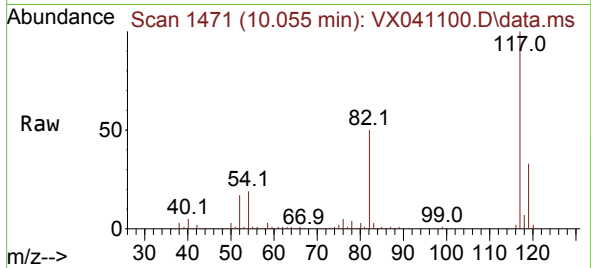




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

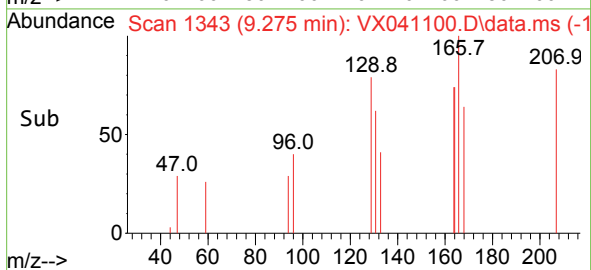
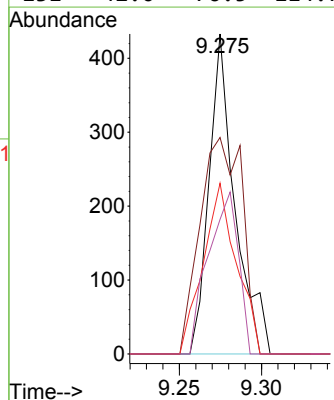
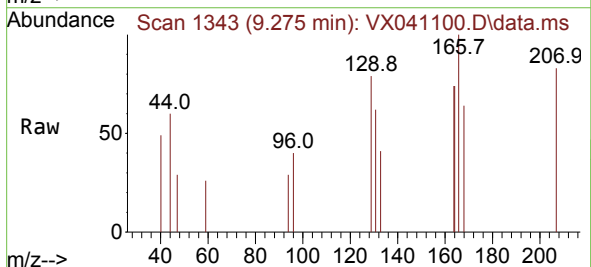
Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

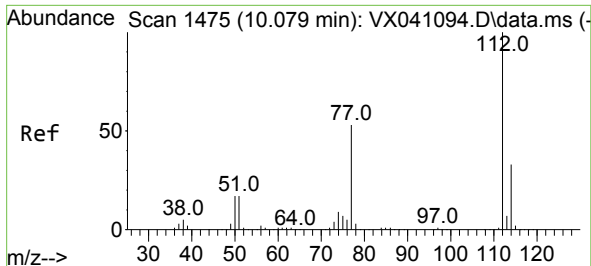
Tgt Ion:117 Resp: 258252
Ion Ratio Lower Upper
117 100
82 50.2 46.2 69.4
119 33.2 25.5 38.3



#64
Tetrachloroethene
Concen: 0.233 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Tgt Ion:164 Resp: 478
Ion Ratio Lower Upper
164 100
166 67.7 102.7 154.1#
129 53.3 80.4 120.6#
131 42.0 76.5 114.7#

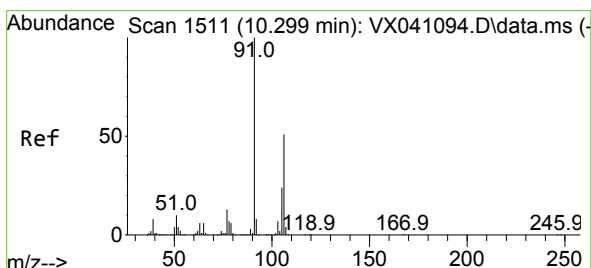
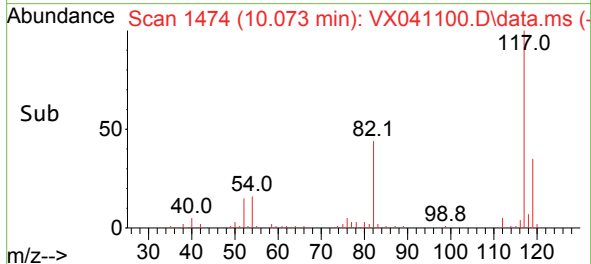
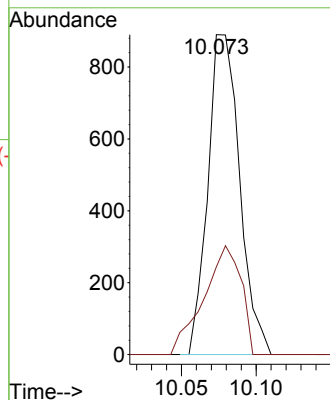
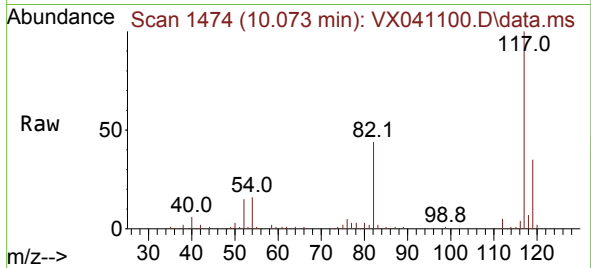




#65
Chlorobenzene
Concen: 0.231 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

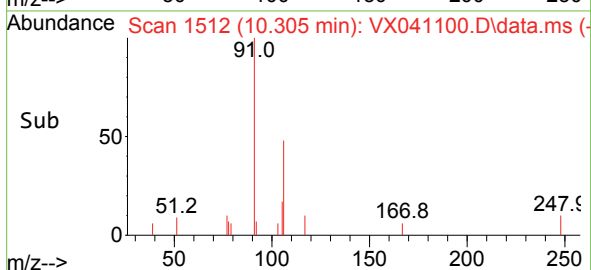
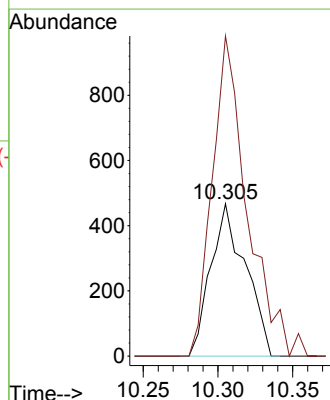
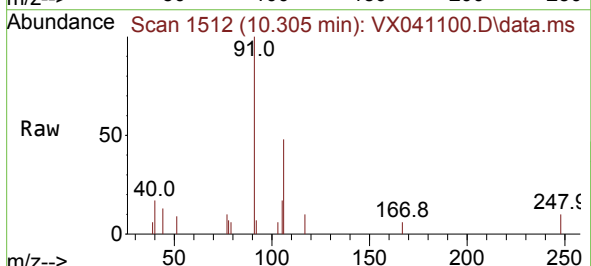
Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

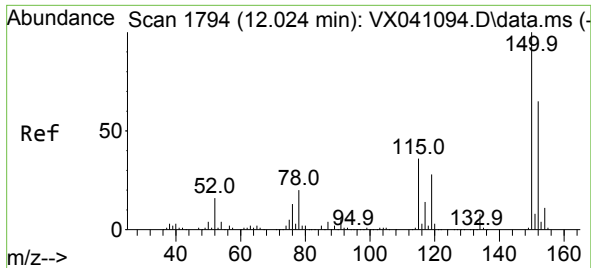
Tgt Ion:112 Resp: 1319
Ion Ratio Lower Upper
112 100
114 27.4 25.7 38.5



#68
m/p-Xylenes
Concen: 0.214 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Tgt Ion:106 Resp: 756
Ion Ratio Lower Upper
106 100
91 211.8 165.5 248.3

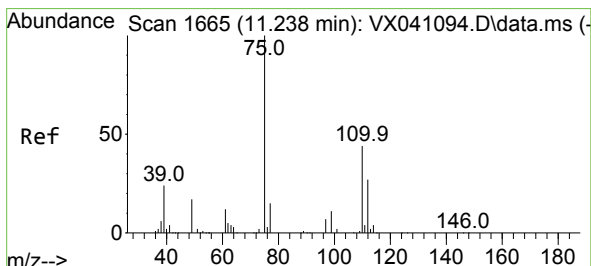
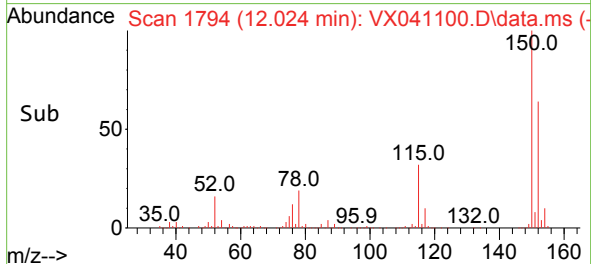
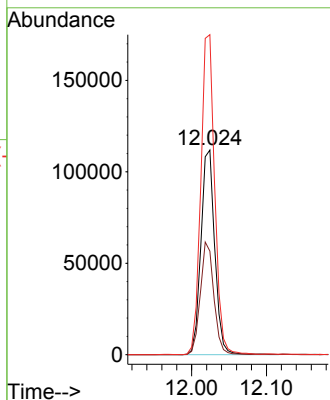
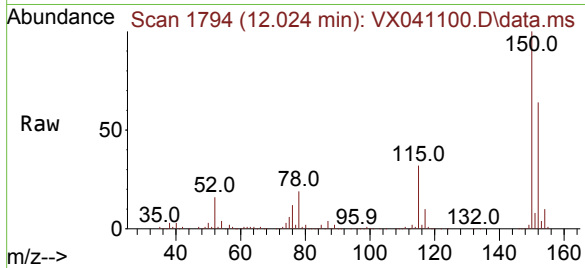




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

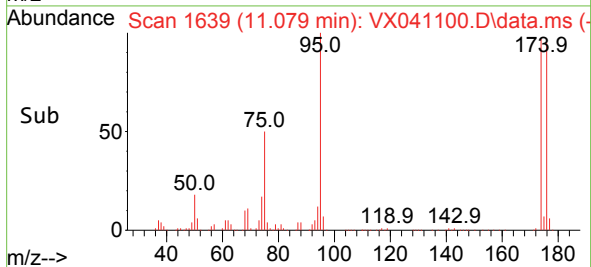
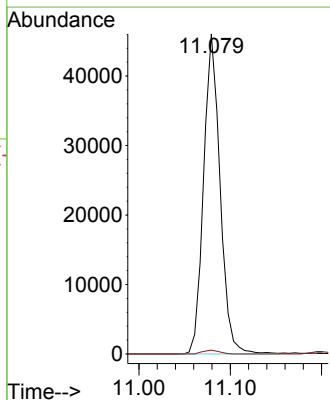
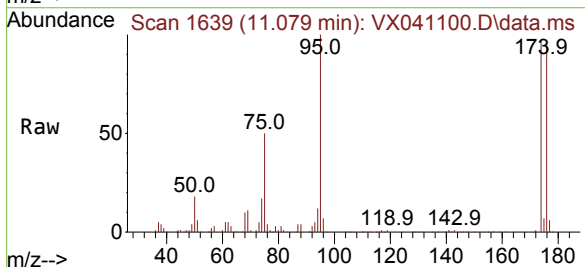
Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

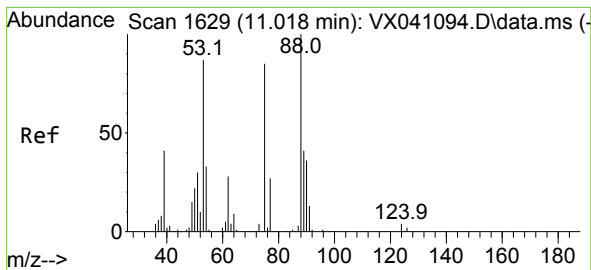
Tgt Ion:152 Resp: 144124
Ion Ratio Lower Upper
152 100
115 53.8 43.3 129.9
150 157.0 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 24.494 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Tgt Ion: 75 Resp: 57528
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

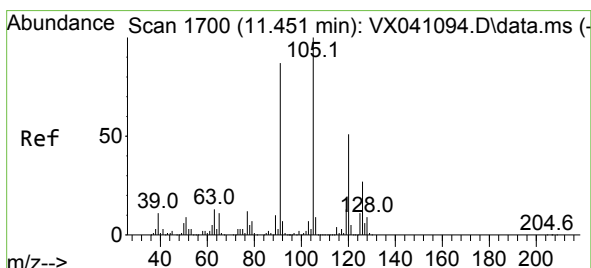
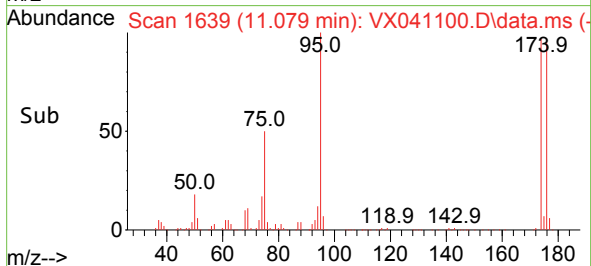
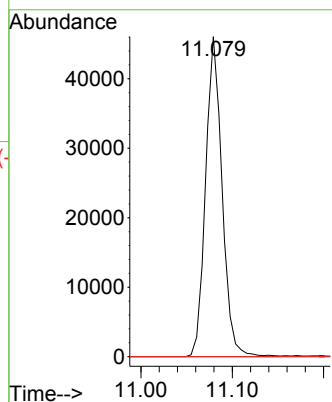
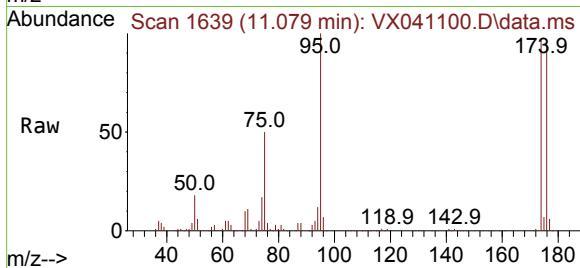




#81
trans-1,4-Dichloro-2-butene
Concen: 62.649 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

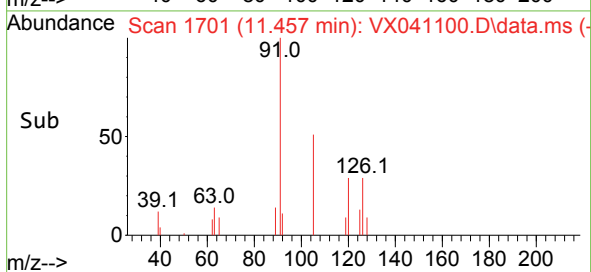
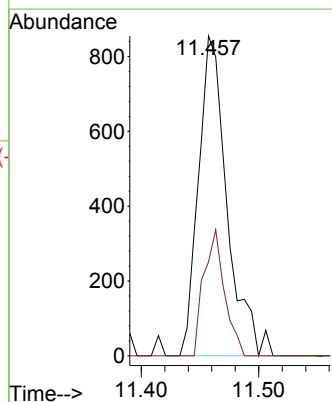
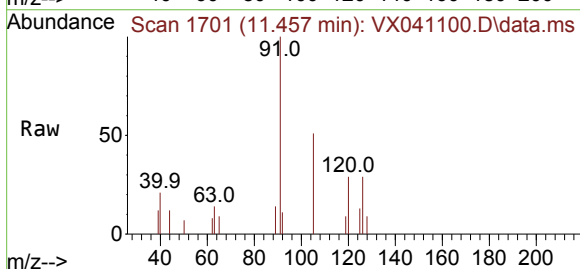
Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

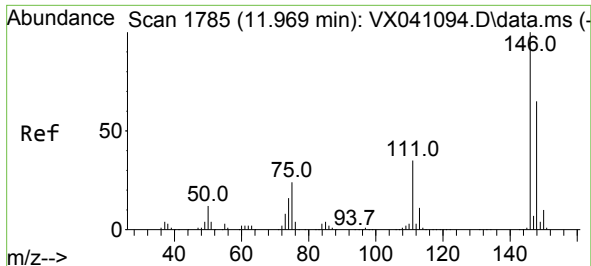
Tgt Ion: 75 Resp: 57528
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.214 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Tgt Ion: 91 Resp: 1446
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6





#87

1,3-Dichlorobenzene

Concen: 0.303 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX041100.D

Acq: 16 Apr 2024 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBL01

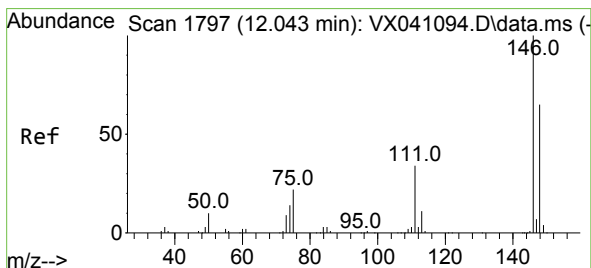
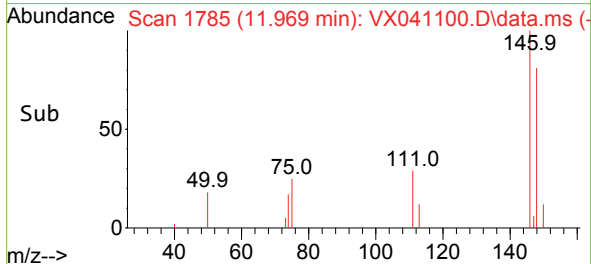
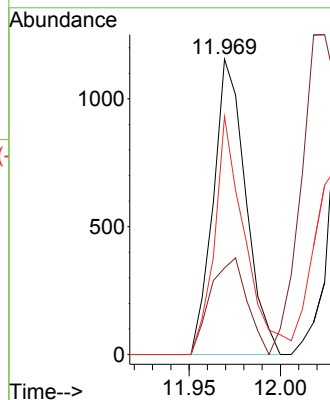
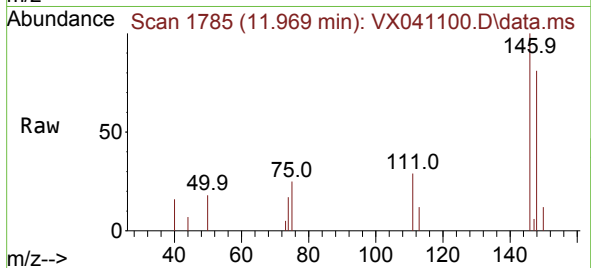
Tgt Ion:146 Resp: 1427

Ion Ratio Lower Upper

146 100

111 36.7 22.1 66.1

148 75.6 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.287 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX041100.D

Acq: 16 Apr 2024 13:19

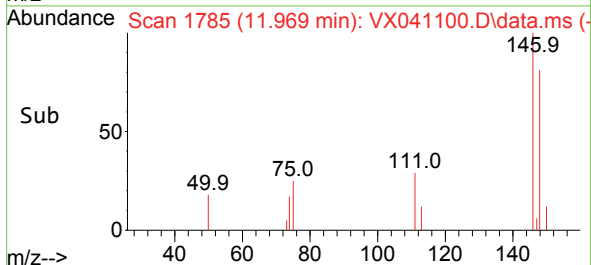
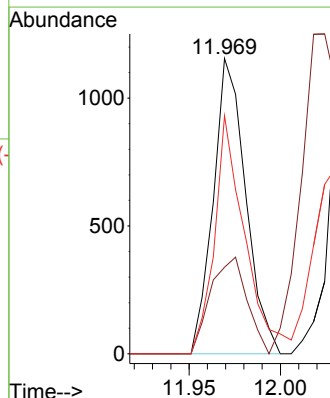
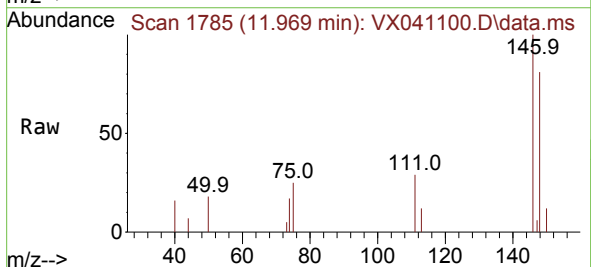
Tgt Ion:146 Resp: 1427

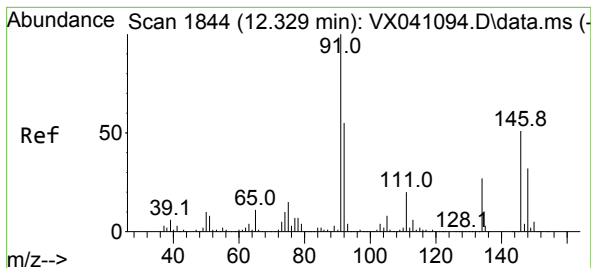
Ion Ratio Lower Upper

146 100

111 36.7 21.3 63.7

148 75.6 31.8 95.4





#89

n-Butylbenzene

Concen: 0.234 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX041100.D

Acq: 16 Apr 2024 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBL01

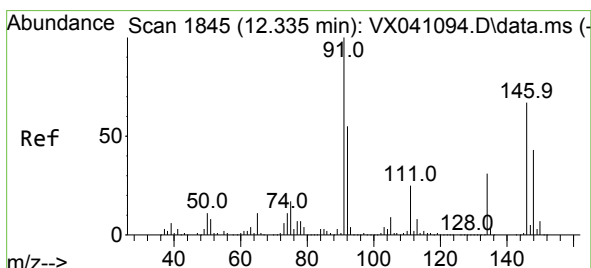
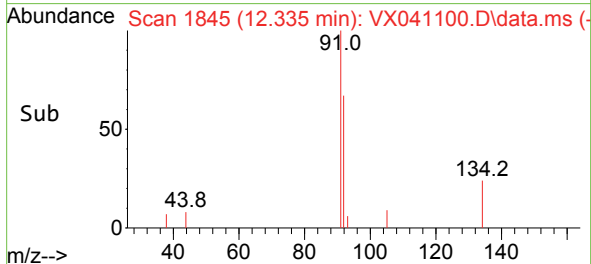
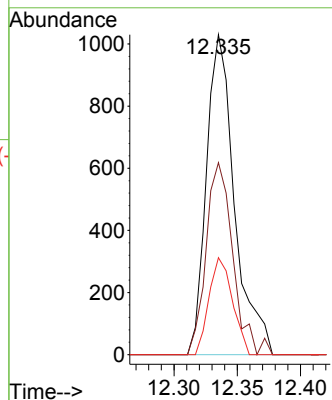
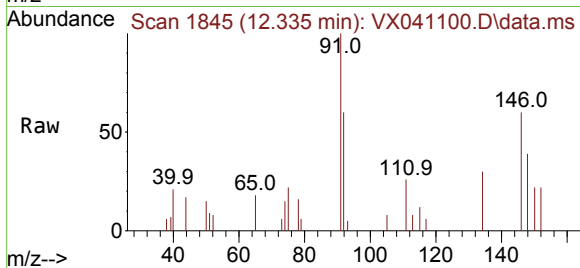
Tgt Ion: 91 Resp: 1594

Ion Ratio Lower Upper

91 100

92 57.2 27.4 82.0

134 25.3 12.6 37.8



#91

1,2-Dichlorobenzene

Concen: 0.218 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX041100.D

Acq: 16 Apr 2024 13:19

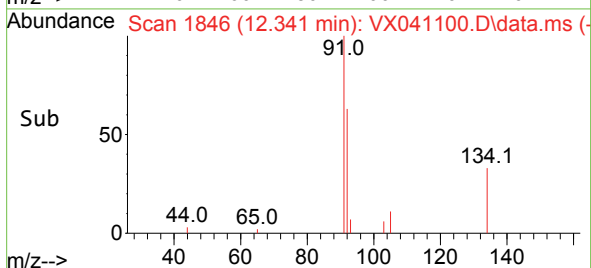
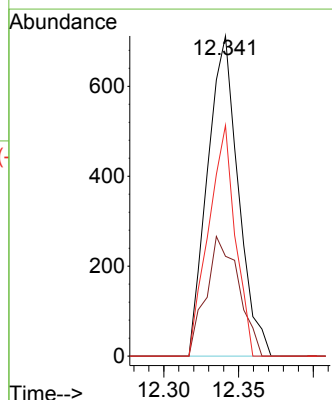
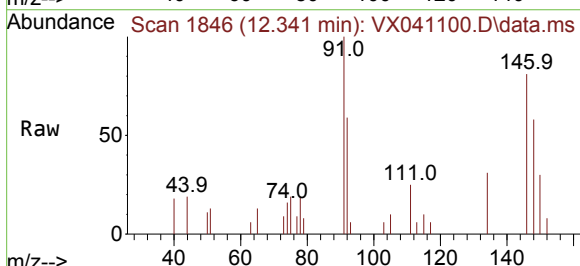
Tgt Ion: 146 Resp: 1018

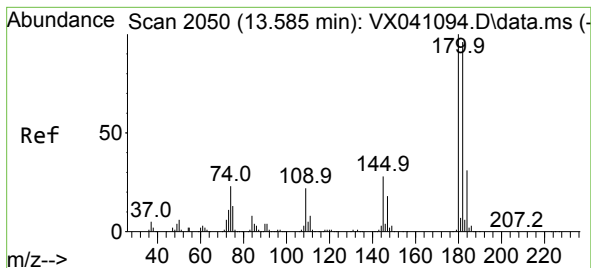
Ion Ratio Lower Upper

146 100

111 39.6 22.4 67.0

148 62.6 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.605 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX041100.D

Acq: 16 Apr 2024 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBL01

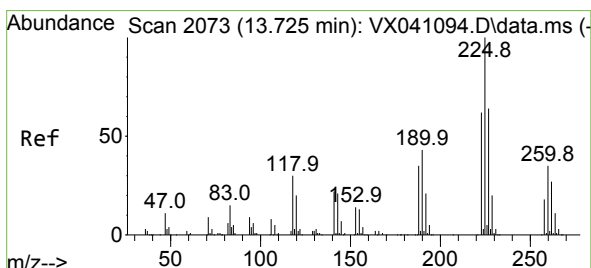
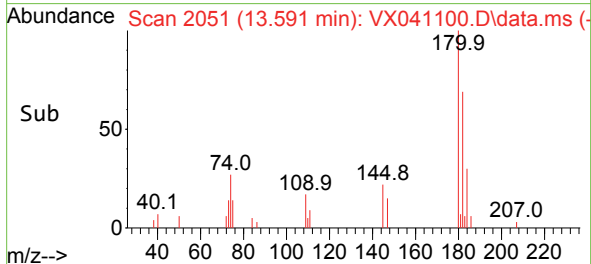
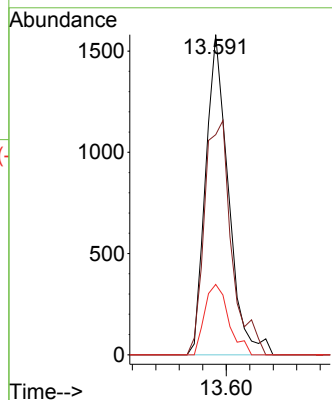
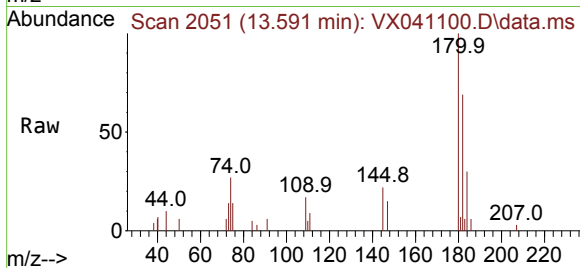
Tgt Ion:180 Resp: 2126

Ion Ratio Lower Upper

180 100

182 86.8 48.3 144.8

145 23.2 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.355 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX041100.D

Acq: 16 Apr 2024 13:19

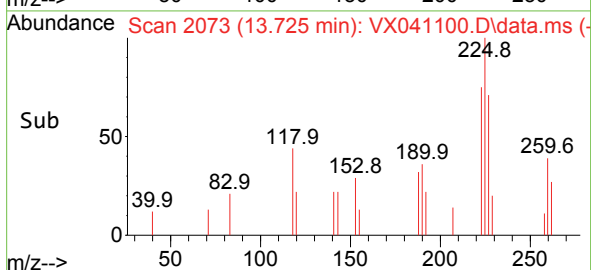
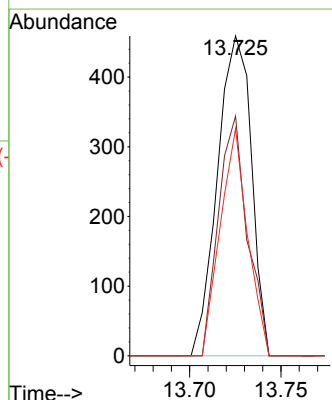
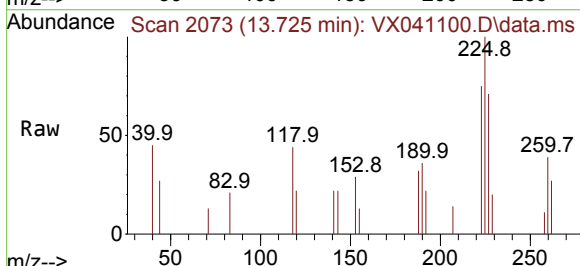
Tgt Ion:225 Resp: 594

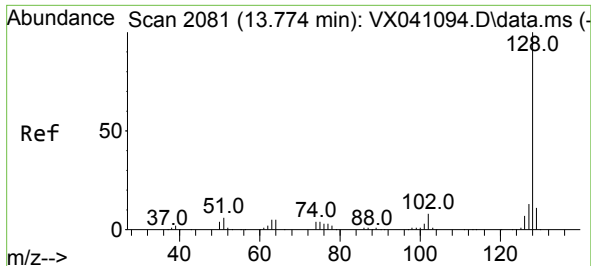
Ion Ratio Lower Upper

225 100

223 64.0 31.1 93.2

227 57.4 32.5 97.5

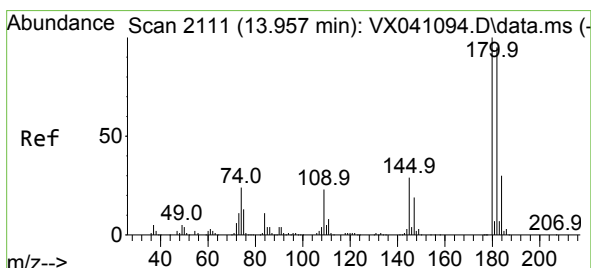
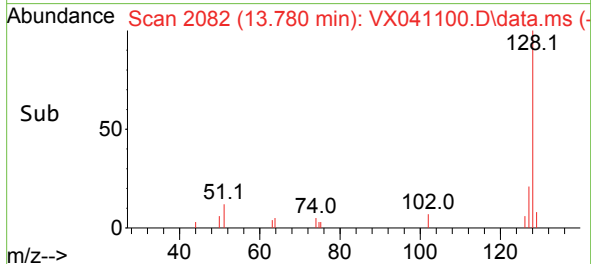
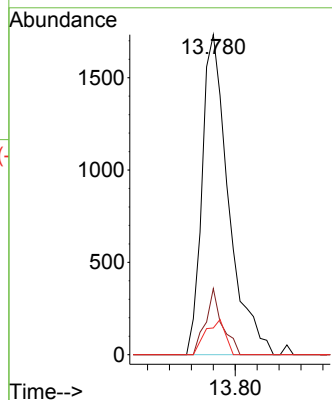
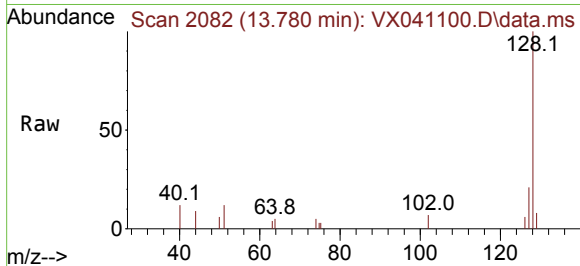




#95
Naphthalene
Concen: 0.307 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

Tgt Ion:128 Resp: 2910
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 8.1 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.428 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX041100.D
Acq: 16 Apr 2024 13:19

Tgt Ion:180 Resp: 1493
Ion Ratio Lower Upper
180 100
182 97.8 46.9 140.6
145 35.9 17.8 53.5

