

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040824\
 Data File : VX040935.D
 Acq On : 08 Apr 2024 17:17
 Operator : JC/MD
 Sample : P2026-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50308

Quant Time: Apr 09 02:51:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

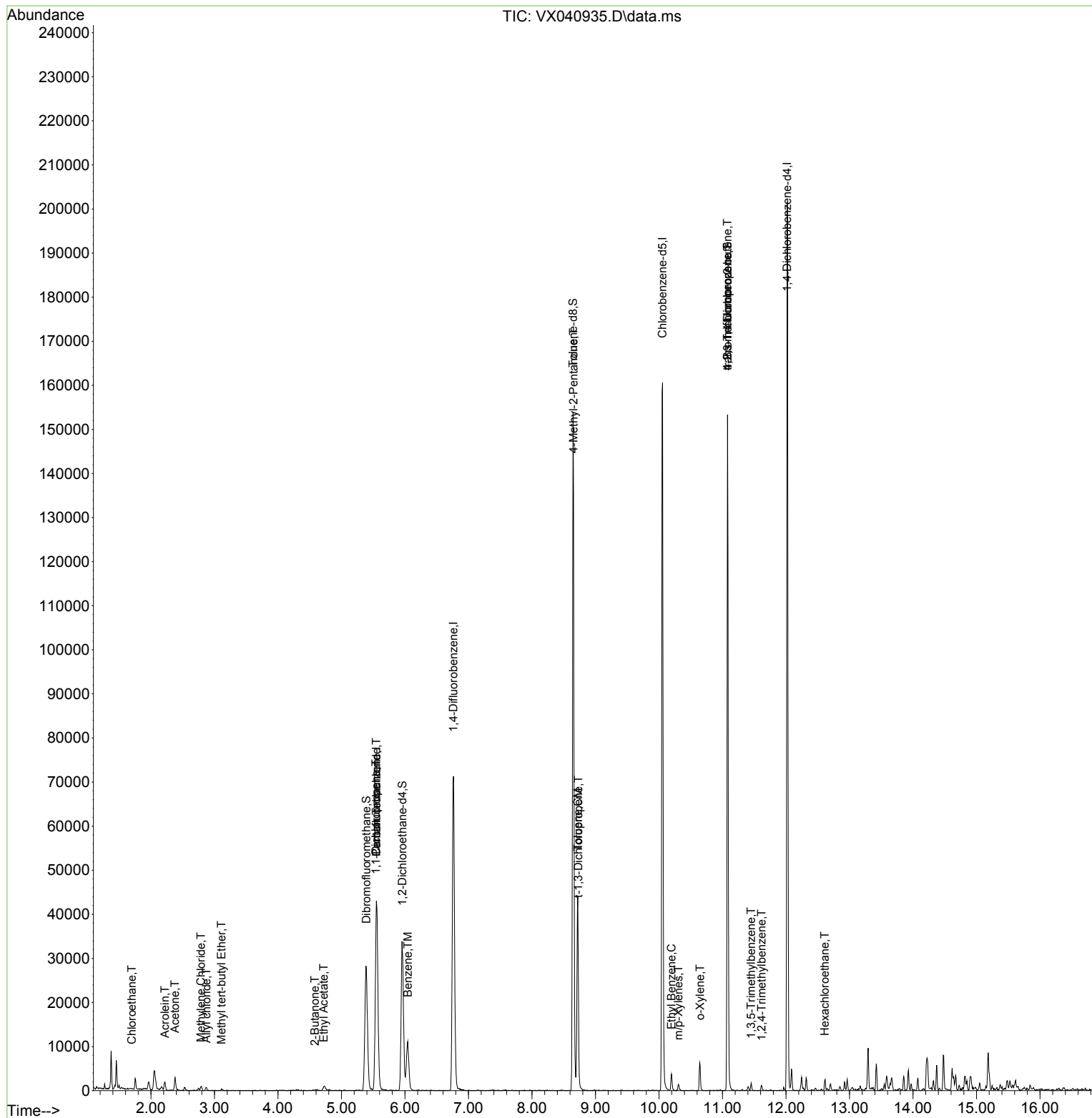
Internal Standards						
1) Pentafluorobenzene	5.550	168	38673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	68639	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	69223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	37043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	34025	49.034	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.060%		
35) Dibromofluoromethane	5.391	113	23424	48.181	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.360%		
50) Toluene-d8	8.647	98	88129	50.166	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.340%		
62) 4-Bromofluorobenzene	11.079	95	36928	52.637	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.280%		
Target Compounds					Qvalue	
6) Chloroethane	1.697	64	80	0.265	ug/l #	43
13) Acrolein	2.221	56	23	0.333	ug/l #	1
14) Allyl chloride	2.874	41	157	0.203	ug/l #	55
16) Acetone	2.380	43	3015	11.190	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	380	0.250	ug/l #	82
20) Methylene Chloride	2.788	84	448	0.897	ug/l #	70
25) 2-Butanone	4.581	43	269	0.672	ug/l #	51
36) 1,1-Dichloropropene	5.544	75	3486	5.046	ug/l #	49
37) Ethyl Acetate	4.721	43	2293	2.703	ug/l #	83
38) Carbon Tetrachloride	5.550	117	4250	5.557	ug/l #	15
40) Benzene	6.044	78	12694	6.621	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	420	0.483	ug/l #	1
52) Toluene	8.720	92	15853	13.104	ug/l	94
53) t-1,3-Dichloropropene	8.726	75	189	0.986	ug/l #	1
67) Ethyl Benzene	10.195	91	2521	0.934	ug/l	94
68) m/p-Xylenes	10.305	106	386	0.393	ug/l #	58
69) o-Xylene	10.647	106	1341	1.449	ug/l	74
76) 1,2,3-Trichloropropane	11.079	75	20936	26.504	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	949	0.429	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	20936	71.510	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.616	105	907	0.407	ug/l	76
90) Hexachloroethane	12.610	117	166	0.408	ug/l #	17

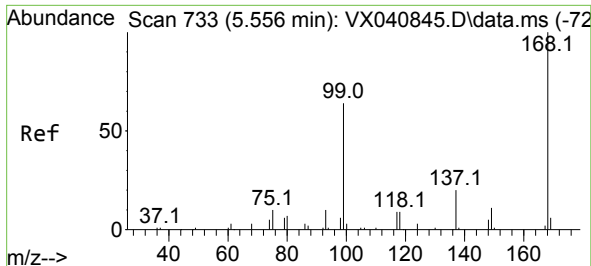
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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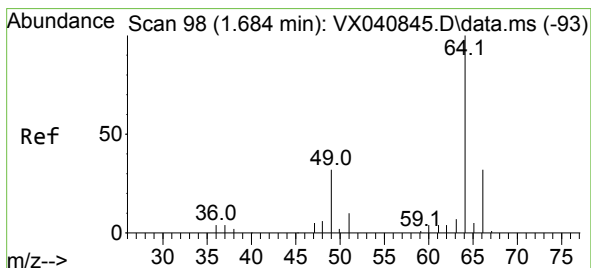
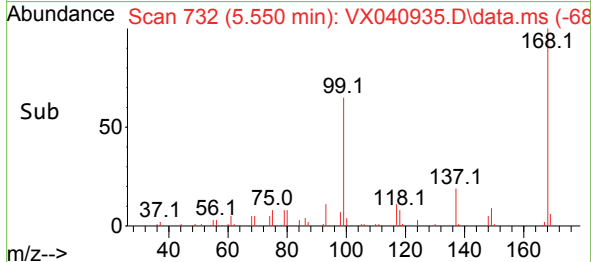
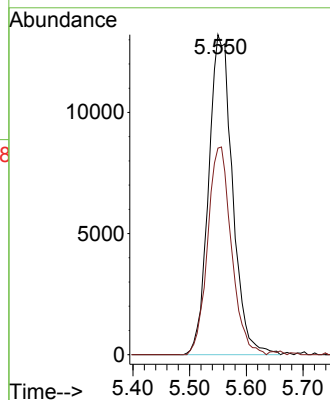
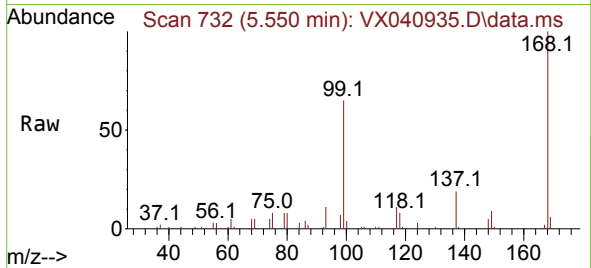




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

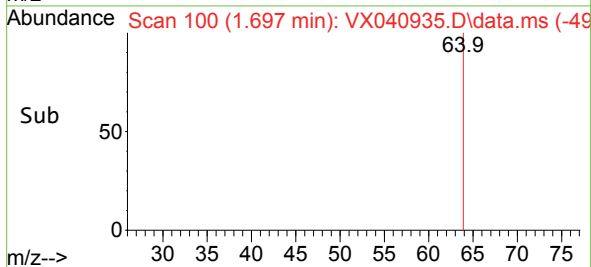
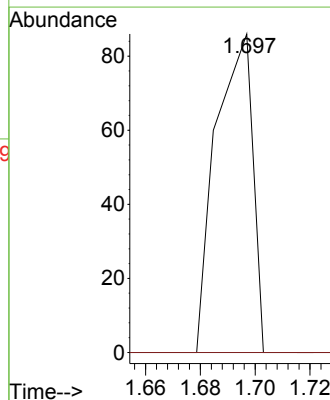
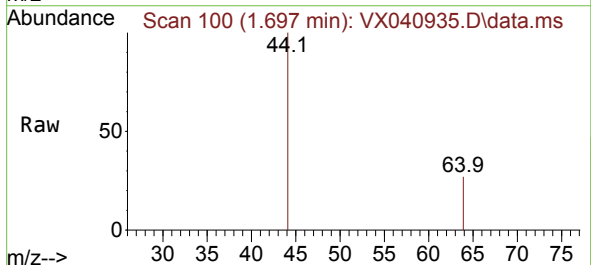
Instrument :
MSVOA_X
ClientSampleId :
50308

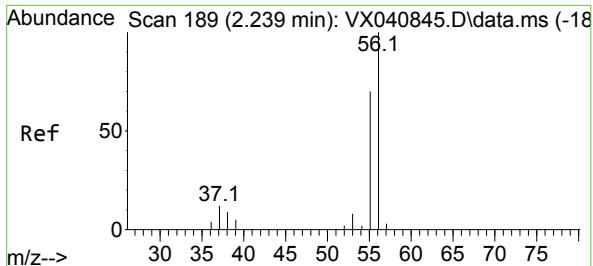
Tgt Ion:168 Resp: 38673
Ion Ratio Lower Upper
168 100
99 64.5 56.6 85.0



#6
Chloroethane
Concen: 0.265 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#13

Acrolein

Concen: 0.333 ug/l

RT: 2.221 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX040935.D

Acq: 08 Apr 2024 17:17

Instrument :

MSVOA_X

ClientSampleId :

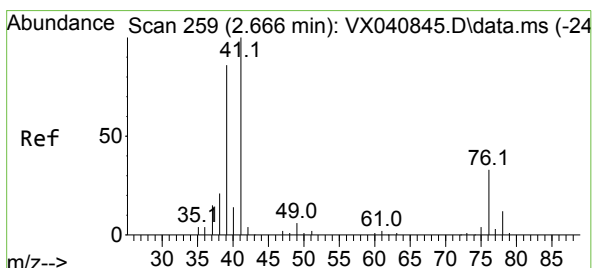
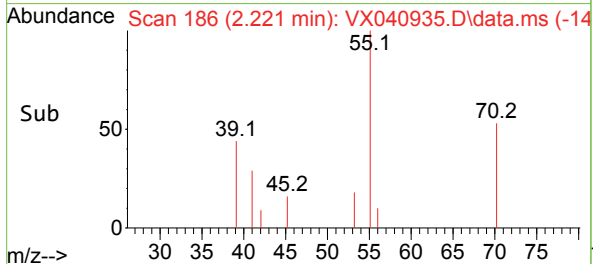
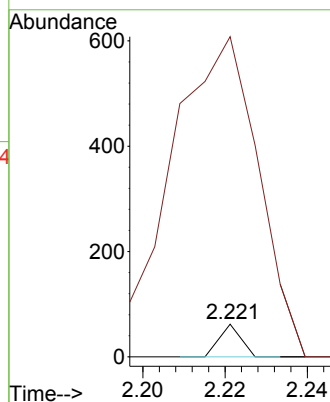
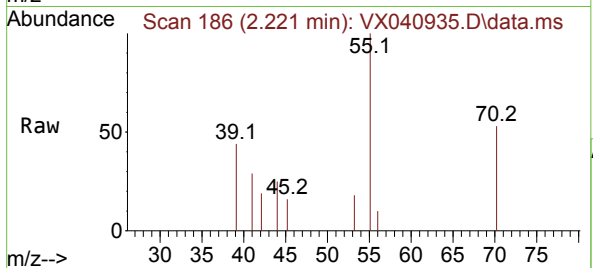
50308

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 3921.7 57.1 85.7#



#14

Allyl chloride

Concen: 0.203 ug/l

RT: 2.874 min Scan# 293

Delta R.T. 0.208 min

Lab File: VX040935.D

Acq: 08 Apr 2024 17:17

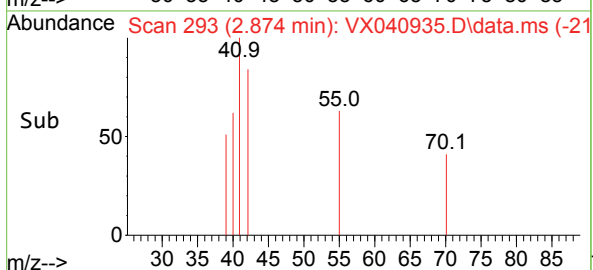
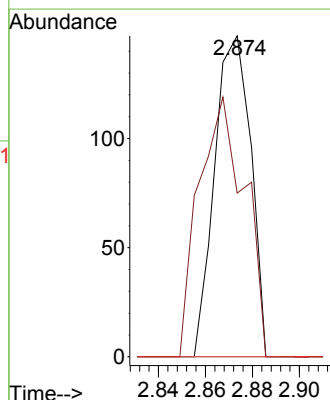
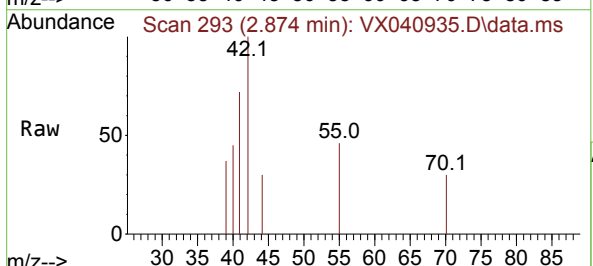
Tgt Ion: 41 Resp: 157

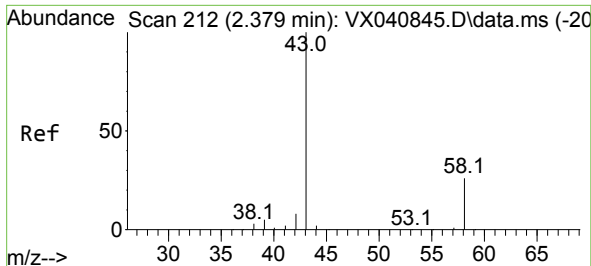
Ion Ratio Lower Upper

41 100

39 102.5 55.8 83.6#

76 0.0 24.3 36.5#

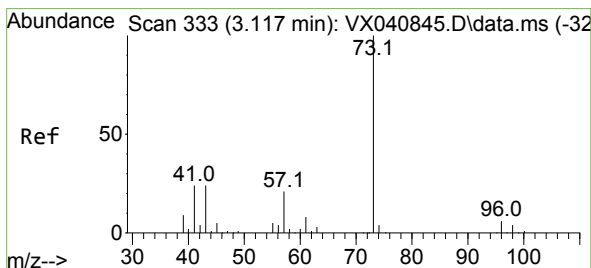
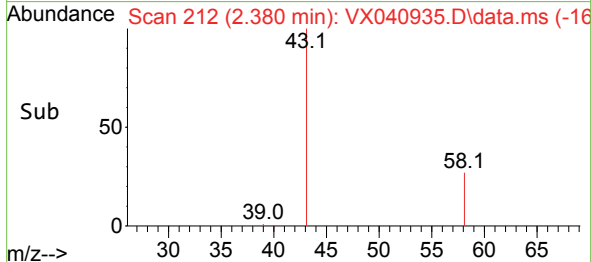
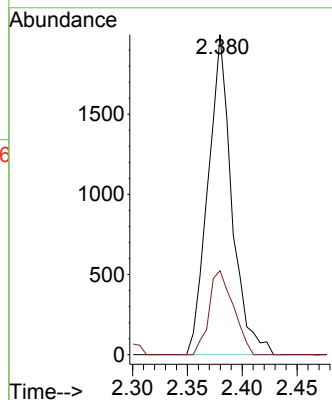
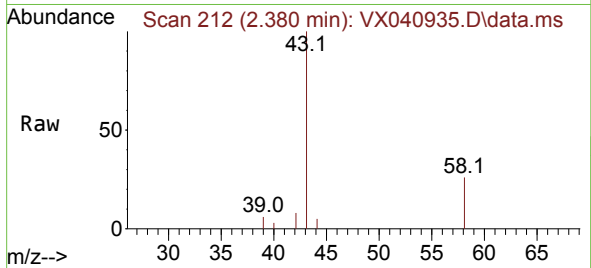




#16
Acetone
Concen: 11.190 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

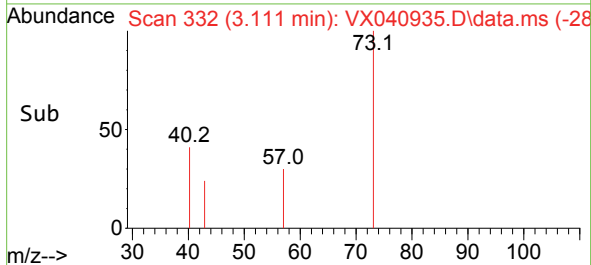
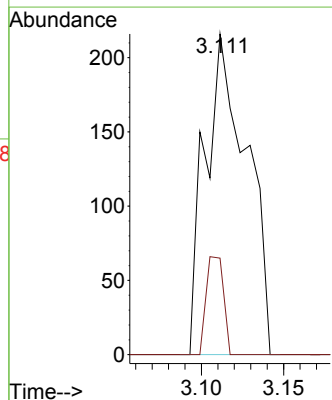
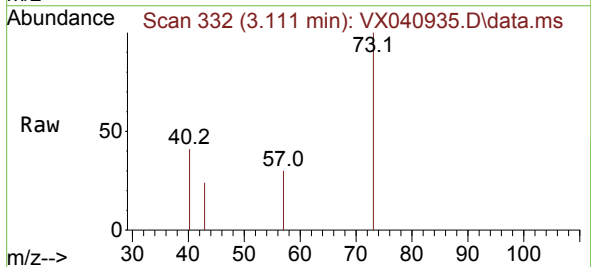
Instrument :
MSVOA_X
ClientSampleId :
50308

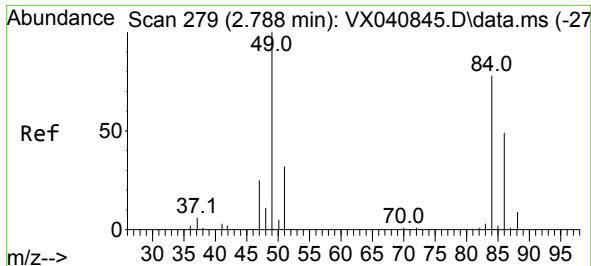
Tgt Ion: 43 Resp: 3015
Ion Ratio Lower Upper
43 100
58 26.3 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.250 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

Tgt Ion: 73 Resp: 380
Ion Ratio Lower Upper
73 100
57 30.1 17.3 25.9#

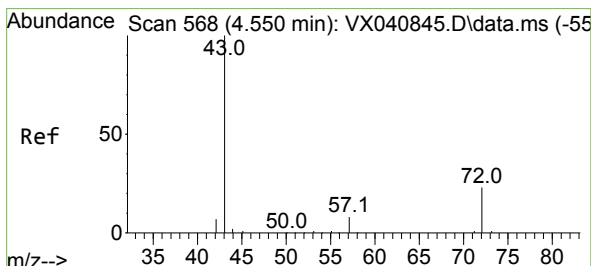
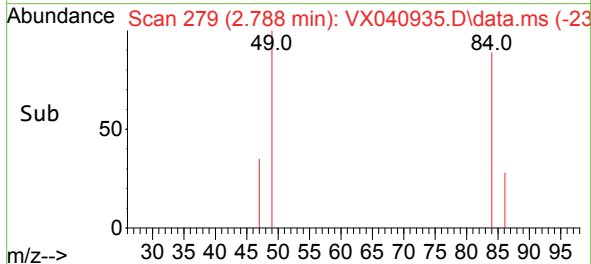
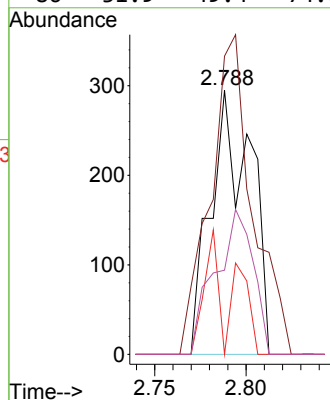
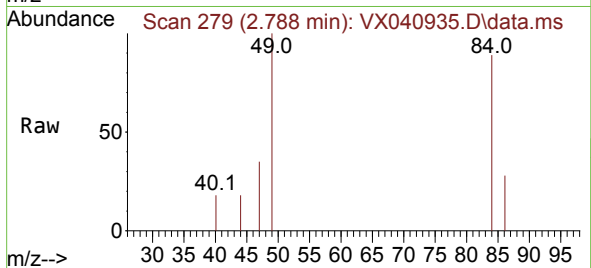




#20
Methylene Chloride
Concen: 0.897 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

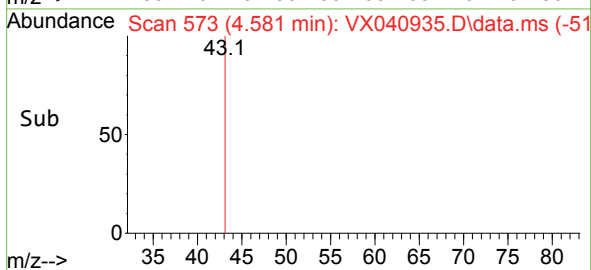
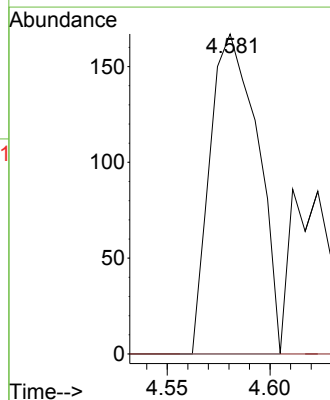
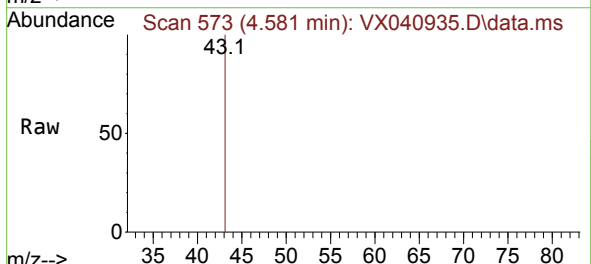
Instrument :
MSVOA_X
ClientSampleId :
50308

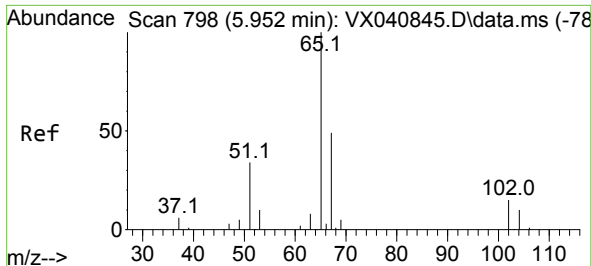
Tgt Ion: 84	Resp: 448
Ion Ratio	Lower Upper
84 100	
49 112.9	103.6 155.4
51 0.0	33.8 50.6#
86 31.9	49.4 74.0#



#25
2-Butanone
Concen: 0.672 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.031 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

Tgt Ion: 43	Resp:	269	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#





#33

1,2-Dichloroethane-d4

Concen: 49.034 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040935.D

Acq: 08 Apr 2024 17:17

Instrument :

MSVOA_X

ClientSampleId :

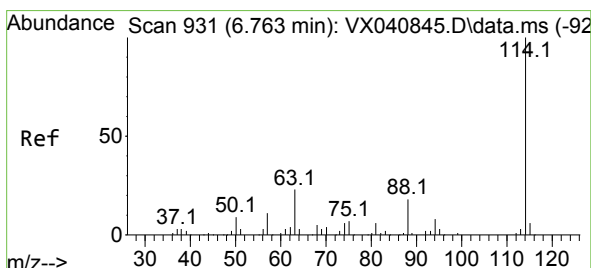
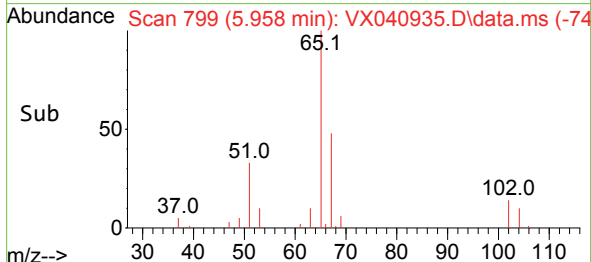
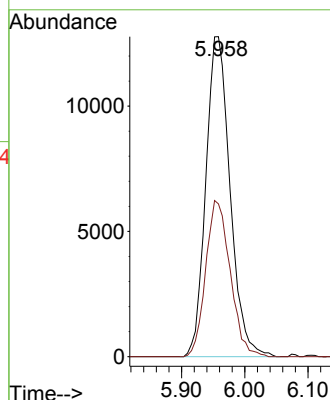
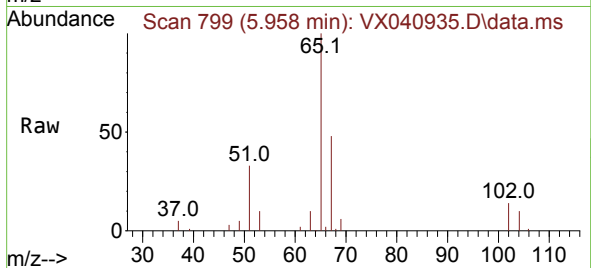
50308

Tgt Ion: 65 Resp: 34025

Ion Ratio Lower Upper

65 100

67 49.4 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: VX040935.D

Acq: 08 Apr 2024 17:17

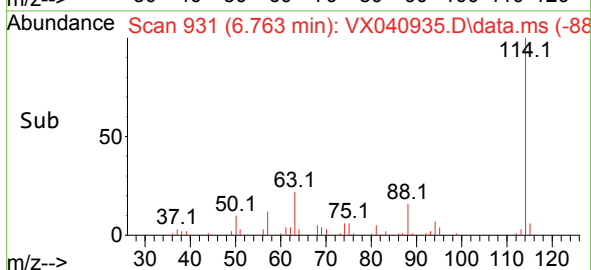
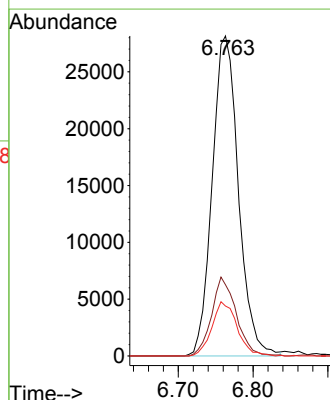
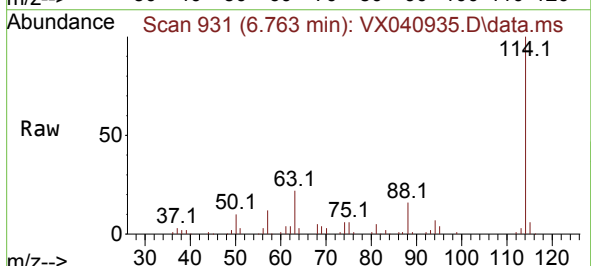
Tgt Ion: 114 Resp: 68639

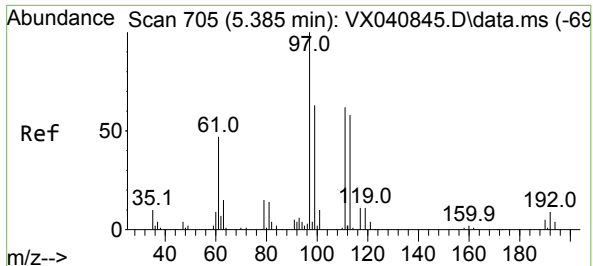
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

88 15.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 48.181 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040935.D

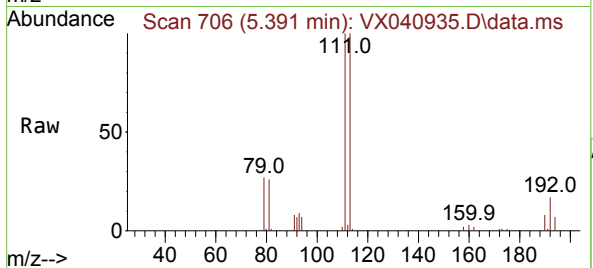
Acq: 08 Apr 2024 17:17

Instrument :

MSVOA_X

ClientSampleId :

50308



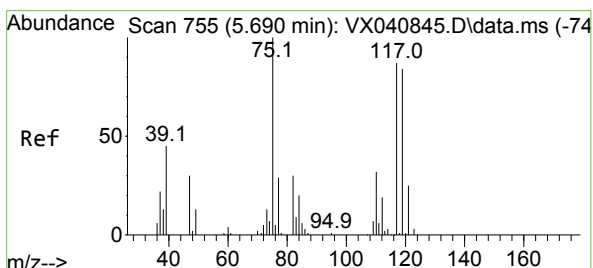
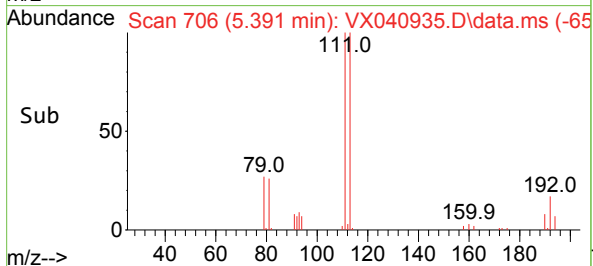
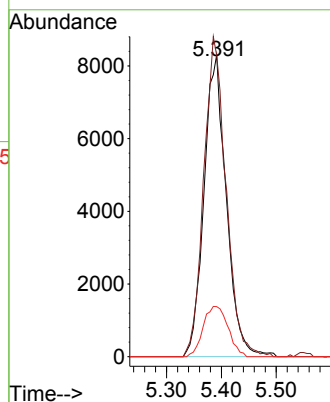
Tgt Ion:113 Resp: 23424

Ion Ratio Lower Upper

113 100

111 106.0 82.9 124.3

192 18.6 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.046 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX040935.D

Acq: 08 Apr 2024 17:17

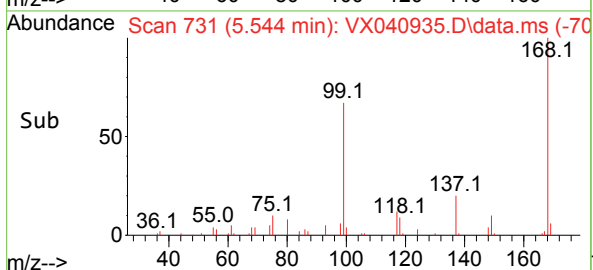
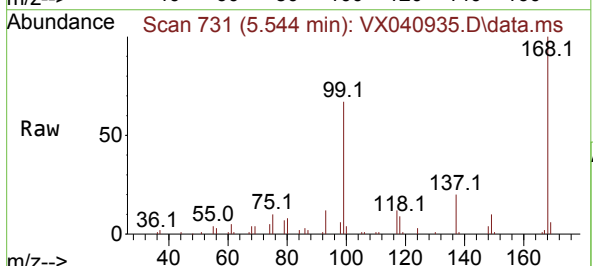
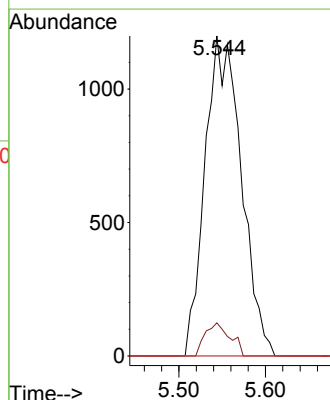
Tgt Ion: 75 Resp: 3486

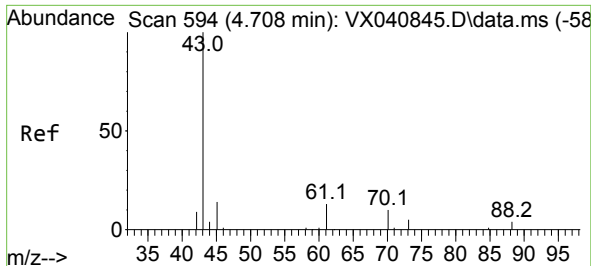
Ion Ratio Lower Upper

75 100

110 7.1 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.703 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX040935.D

Acq: 08 Apr 2024 17:17

Instrument :

MSVOA_X

ClientSampleId :

50308

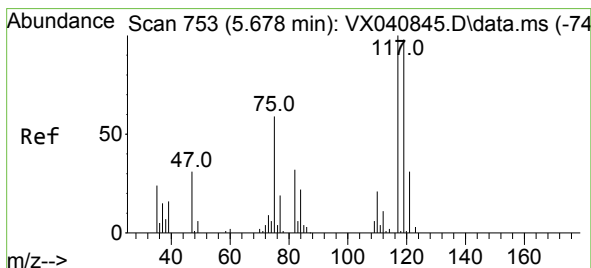
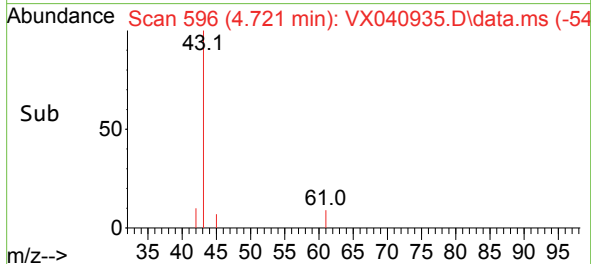
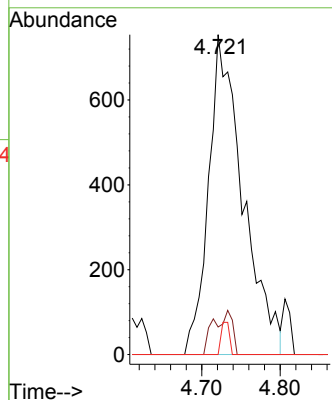
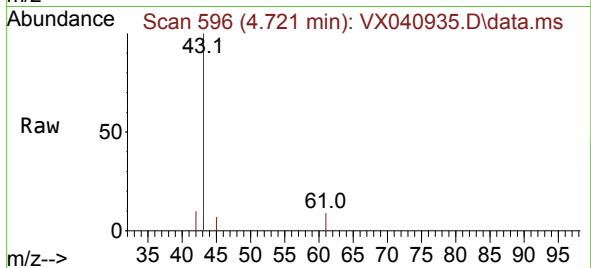
Tgt Ion: 43 Resp: 2293

Ion Ratio Lower Upper

43 100

61 7.5 10.6 16.0#

70 2.4 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.557 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040935.D

Acq: 08 Apr 2024 17:17

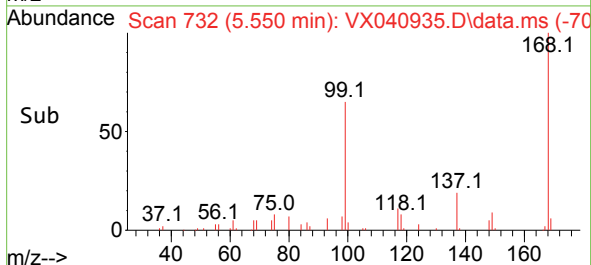
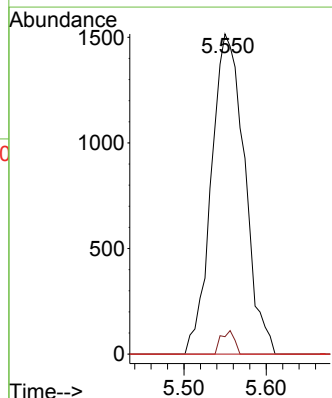
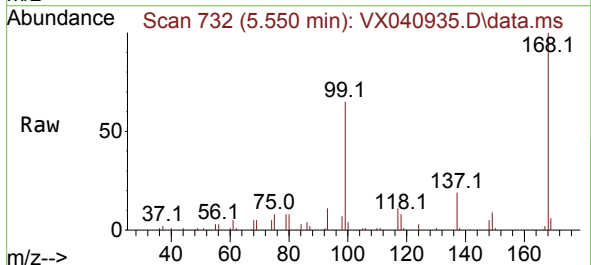
Tgt Ion: 117 Resp: 4250

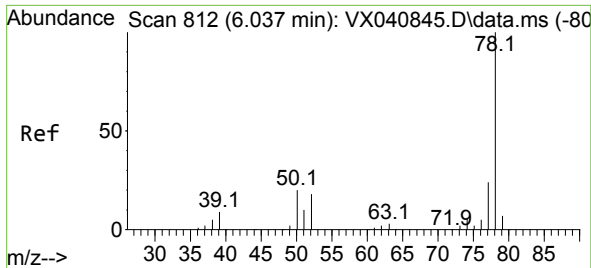
Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

121 0.0 24.4 36.6#

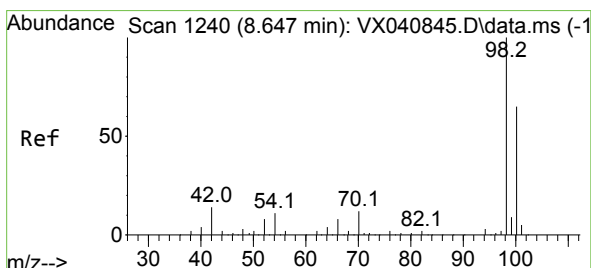
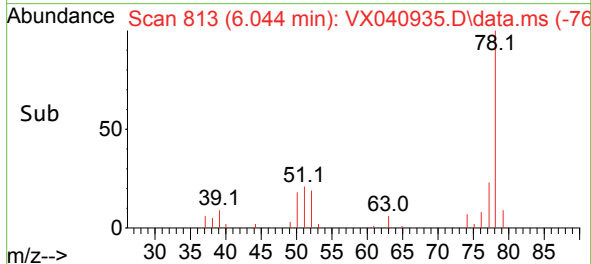
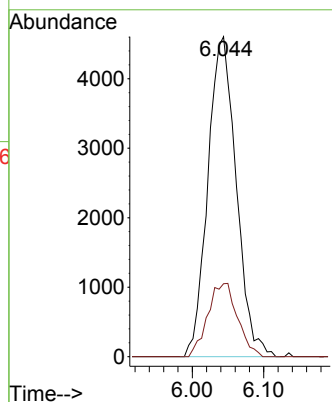
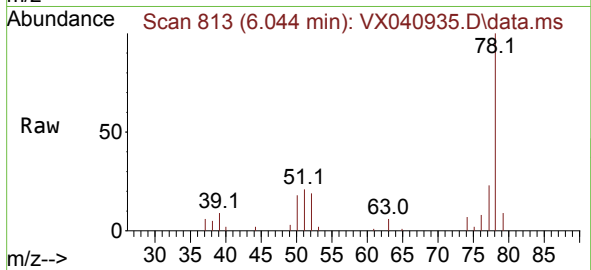




#40
Benzene
Concen: 6.621 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

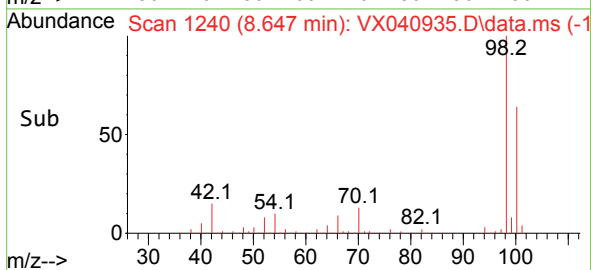
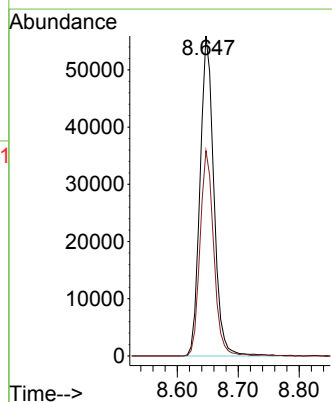
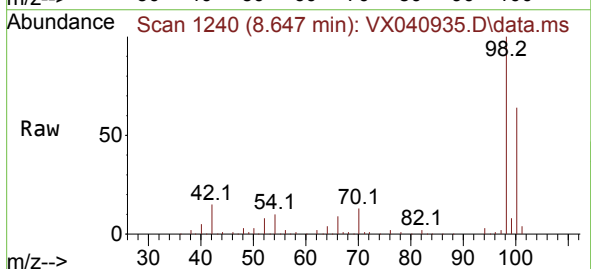
Instrument :
MSVOA_X
ClientSampleId :
50308

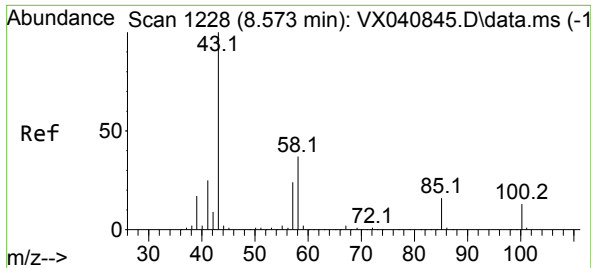
Tgt Ion: 78 Resp: 12694
Ion Ratio Lower Upper
78 100
77 22.8 19.3 28.9



#50
Toluene-d8
Concen: 50.166 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

Tgt Ion: 98 Resp: 88129
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7

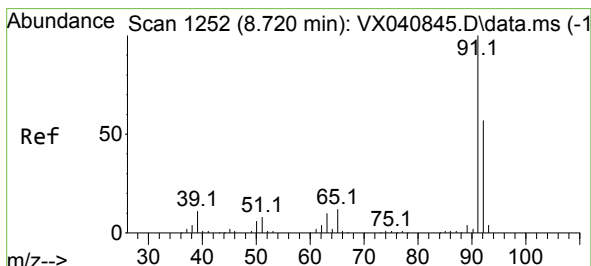
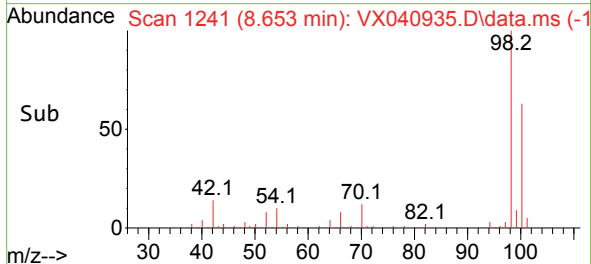
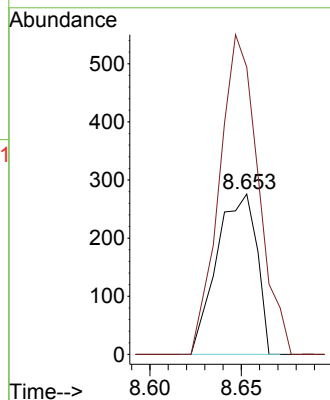
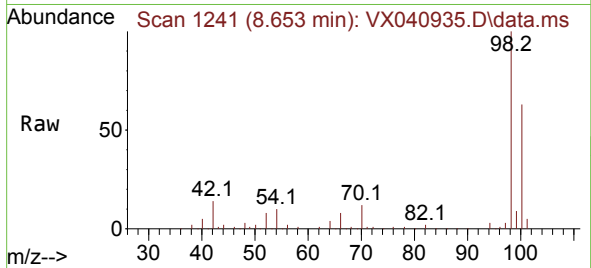




#51
4-Methyl-2-Pentanone
Concen: 0.483 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

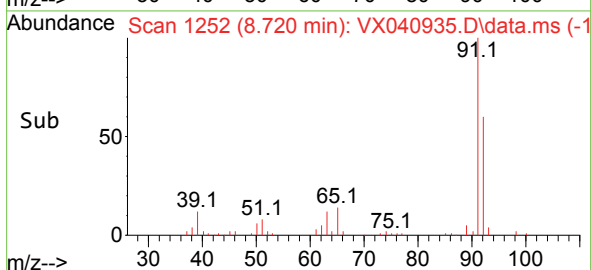
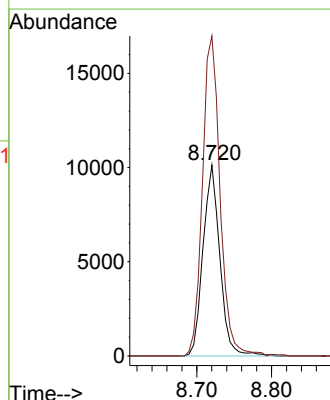
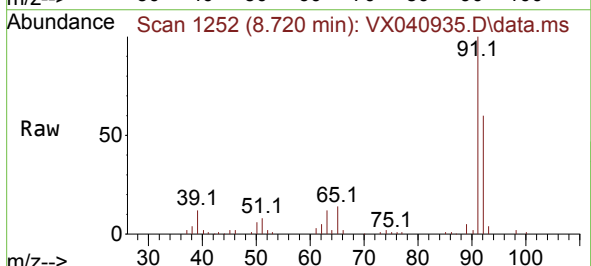
Instrument :
MSVOA_X
ClientSampleId :
50308

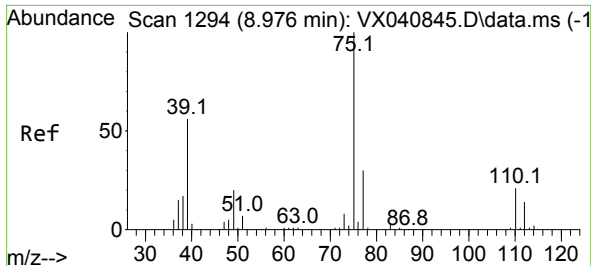
Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 194.5 30.4 45.6#



#52
Toluene
Concen: 13.104 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

Tgt Ion: 92 Resp: 15853
Ion Ratio Lower Upper
92 100
91 175.6 134.2 201.2

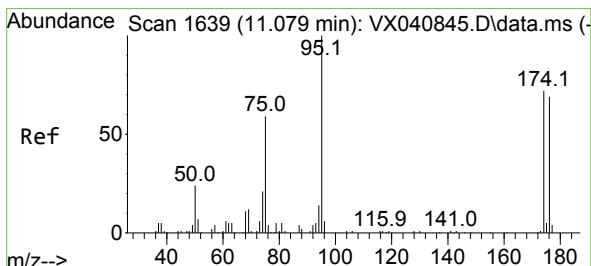
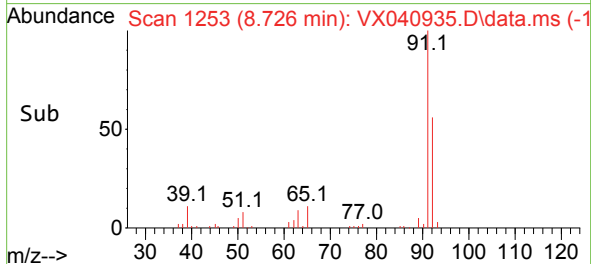
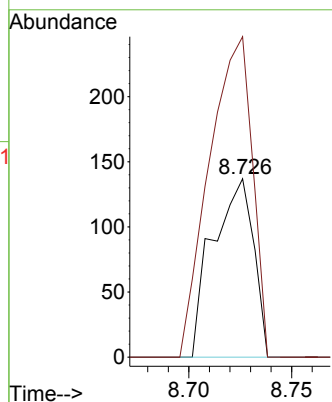
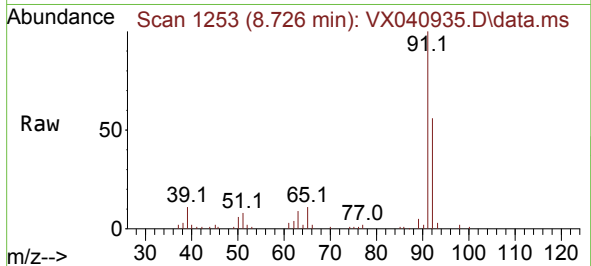




#53
t-1,3-Dichloropropene
Concen: 0.986 ug/l
RT: 8.726 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

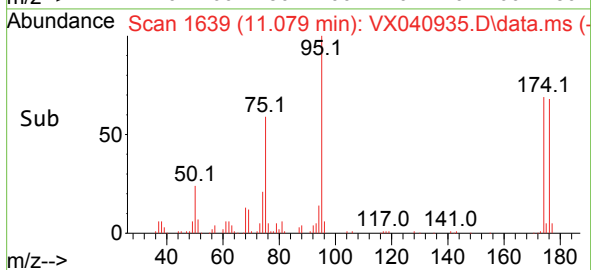
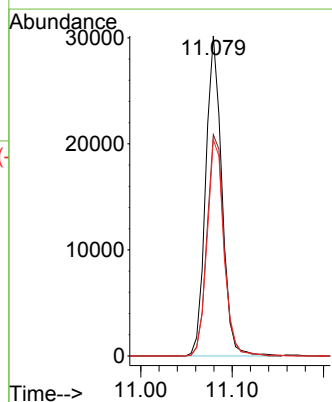
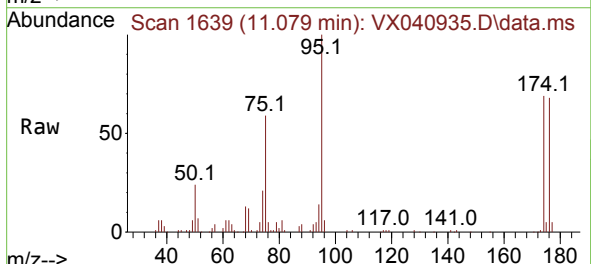
Instrument :
MSVOA_X
ClientSampleId :
50308

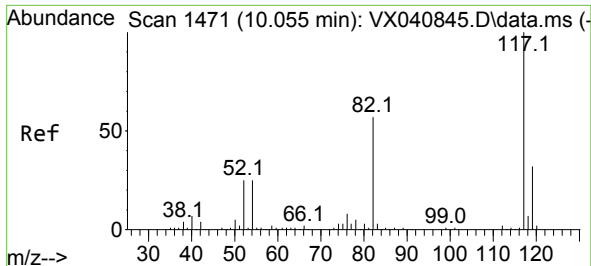
Tgt Ion: 75 Resp: 189
Ion Ratio Lower Upper
75 100
77 179.6 25.7 38.5#



#62
4-Bromofluorobenzene
Concen: 52.637 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

Tgt Ion: 95 Resp: 36928
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 70.5 0.0 131.0

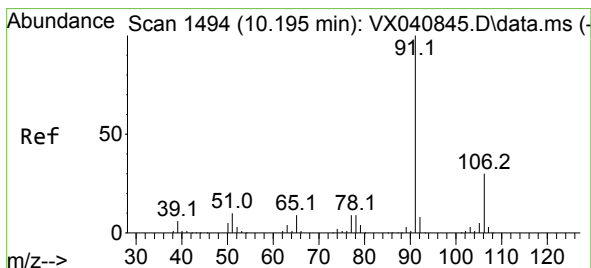
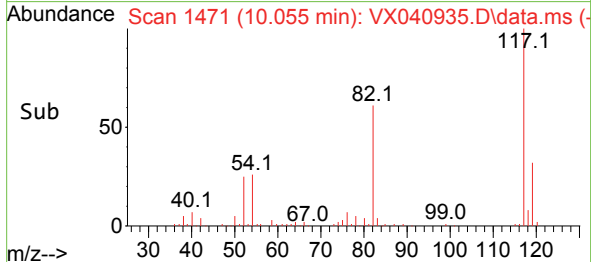
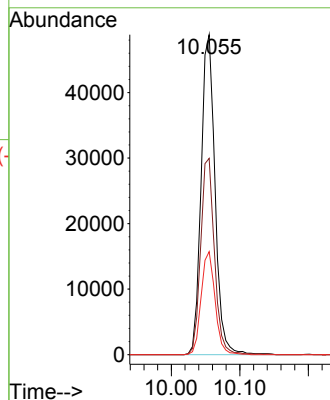
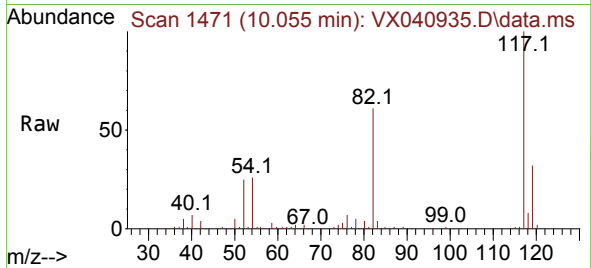




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

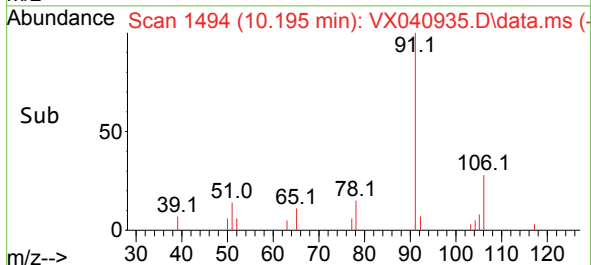
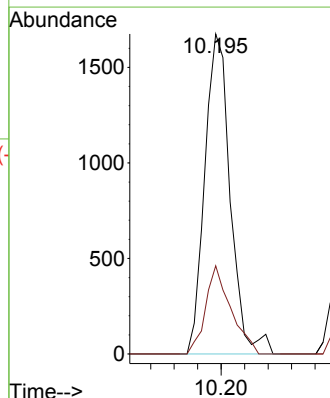
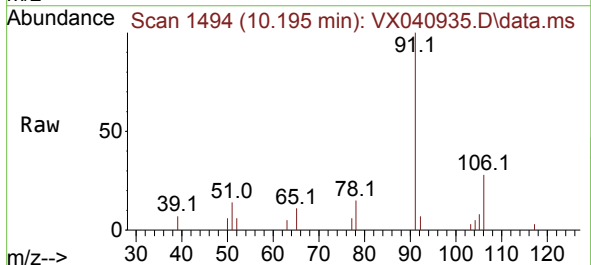
Instrument :
MSVOA_X
ClientSampleId :
50308

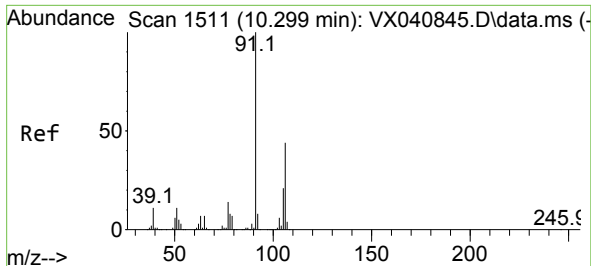
Tgt Ion:117 Resp: 69223
Ion Ratio Lower Upper
117 100
82 61.4 46.2 69.4
119 32.2 25.5 38.3



#67
Ethyl Benzene
Concen: 0.934 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

Tgt Ion: 91 Resp: 2521
Ion Ratio Lower Upper
91 100
106 27.6 24.9 37.3

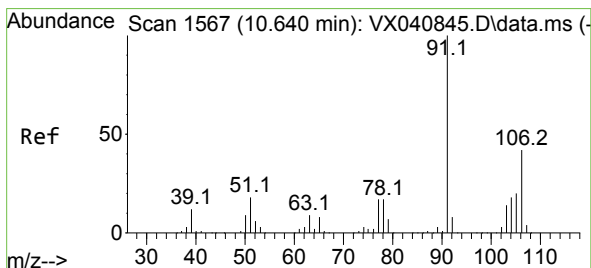
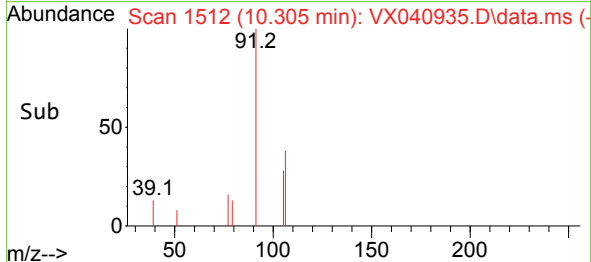
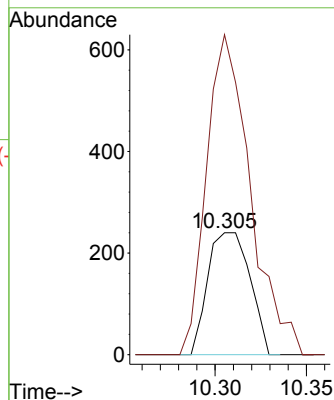
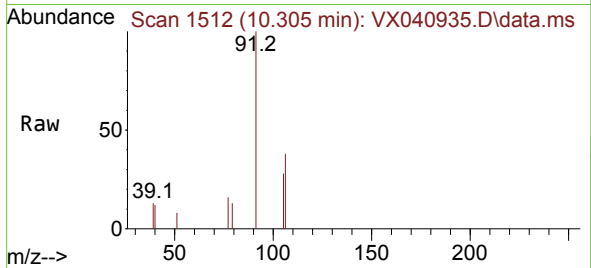




#68
m/p-Xylenes
Concen: 0.393 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

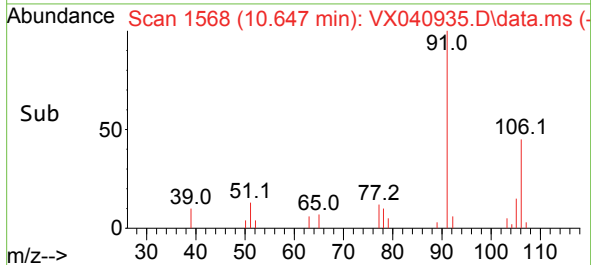
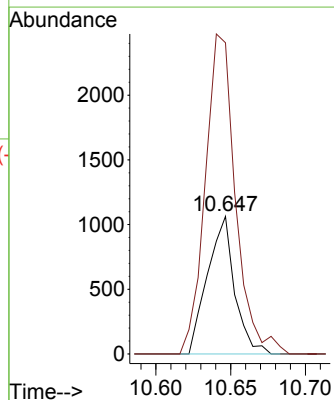
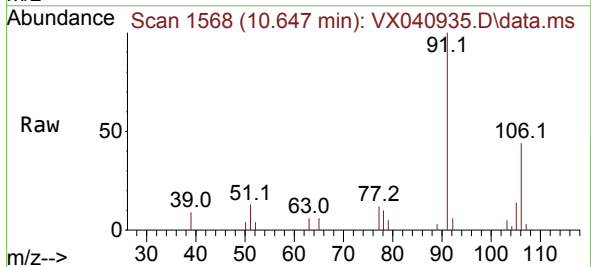
Instrument :
MSVOA_X
ClientSampleId :
50308

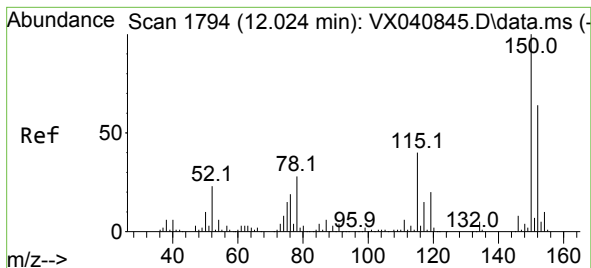
Tgt Ion:106 Resp: 386
Ion Ratio Lower Upper
106 100
91 272.5 165.5 248.3#



#69
o-Xylene
Concen: 1.449 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

Tgt Ion:106 Resp: 1341
Ion Ratio Lower Upper
106 100
91 259.7 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX040935.D

Acq: 08 Apr 2024 17:17

Instrument :

MSVOA_X

ClientSampleId :

50308

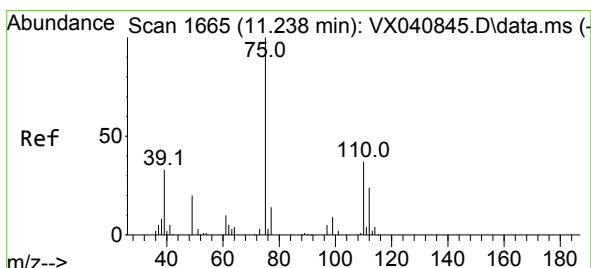
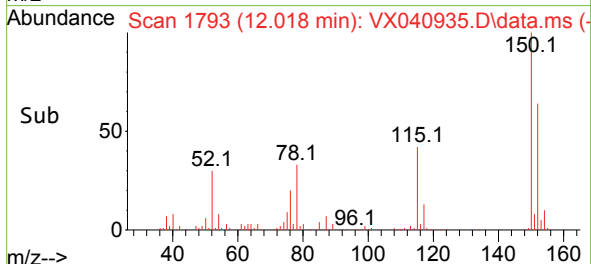
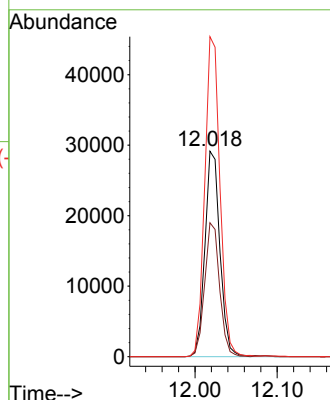
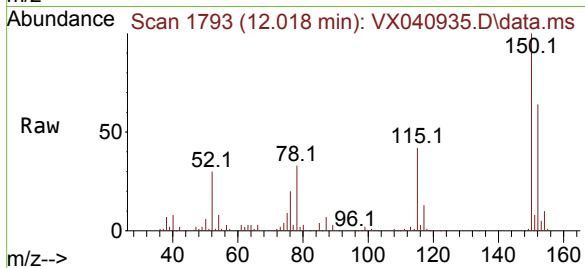
Tgt Ion:152 Resp: 37043

Ion Ratio Lower Upper

152 100

115 64.5 43.3 129.9

150 157.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.504 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040935.D

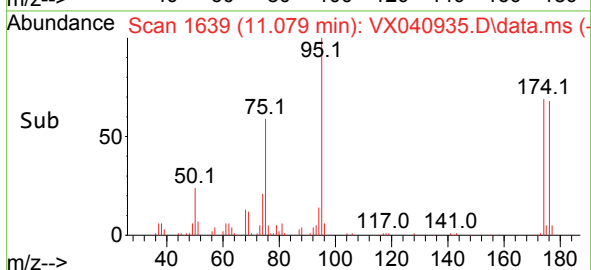
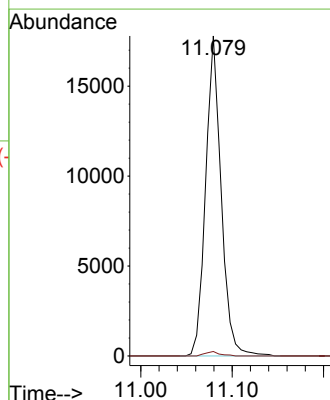
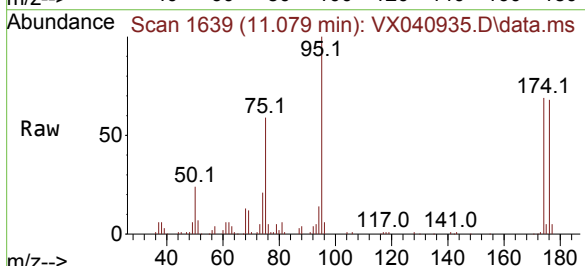
Acq: 08 Apr 2024 17:17

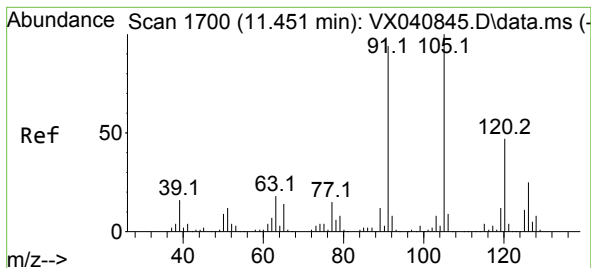
Tgt Ion: 75 Resp: 20936

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.429 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040935.D

Acq: 08 Apr 2024 17:17

Instrument :

MSVOA_X

ClientSampleId :

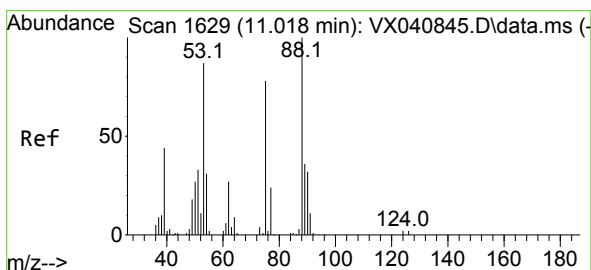
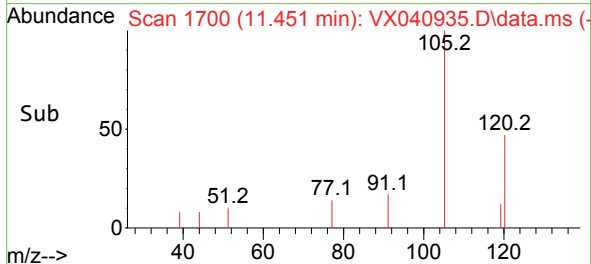
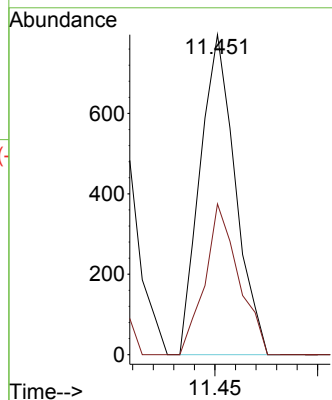
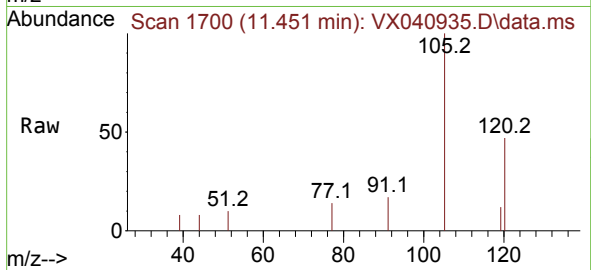
50308

Tgt Ion:105 Resp: 949

Ion Ratio Lower Upper

105 100

120 45.1 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 71.510 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040935.D

Acq: 08 Apr 2024 17:17

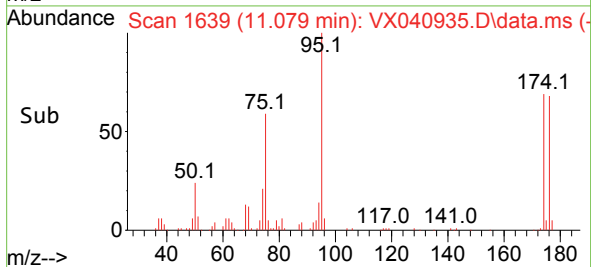
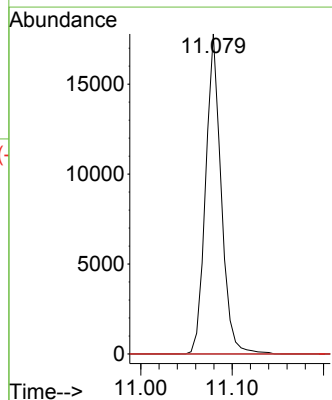
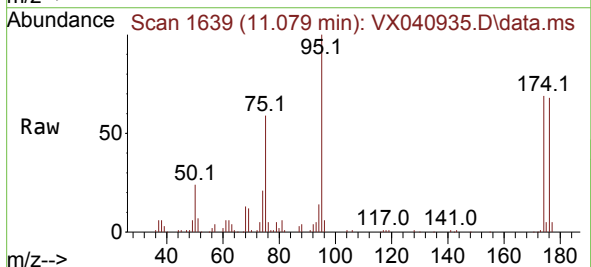
Tgt Ion: 75 Resp: 20936

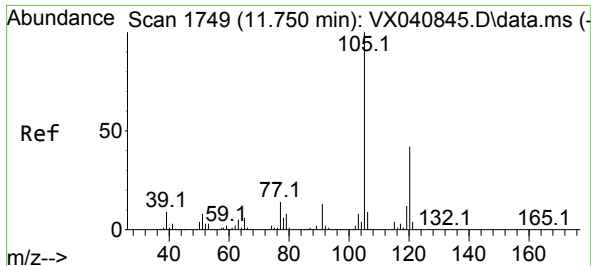
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

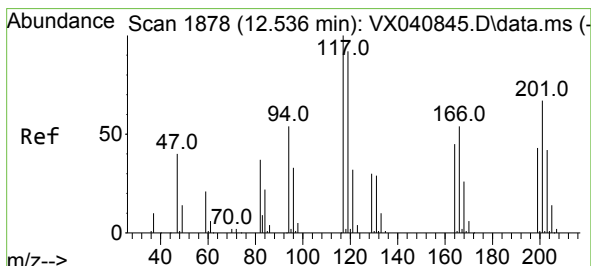
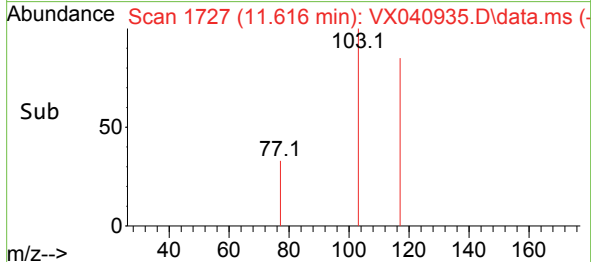
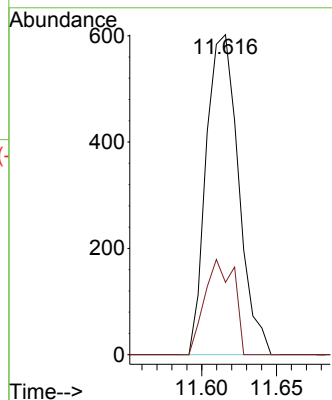
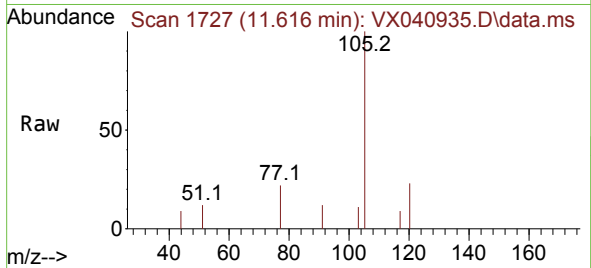




#84
1,2,4-Trimethylbenzene
Concen: 0.407 ug/l
RT: 11.616 min Scan# 11
Delta R.T. -0.134 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

Instrument :
MSVOA_X
ClientSampleId :
50308

Tgt Ion:105 Resp: 907
Ion Ratio Lower Upper
105 100
120 26.9 21.2 63.6



#90
Hexachloroethane
Concen: 0.408 ug/l
RT: 12.610 min Scan# 1890
Delta R.T. 0.073 min
Lab File: VX040935.D
Acq: 08 Apr 2024 17:17

Tgt Ion:117 Resp: 166
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

