

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022024\
 Data File : VX040345.D
 Acq On : 20 Feb 2024 10:47
 Operator : JC/MD
 Sample : VX0220MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220MBL01

Quant Time: Feb 21 01:09:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

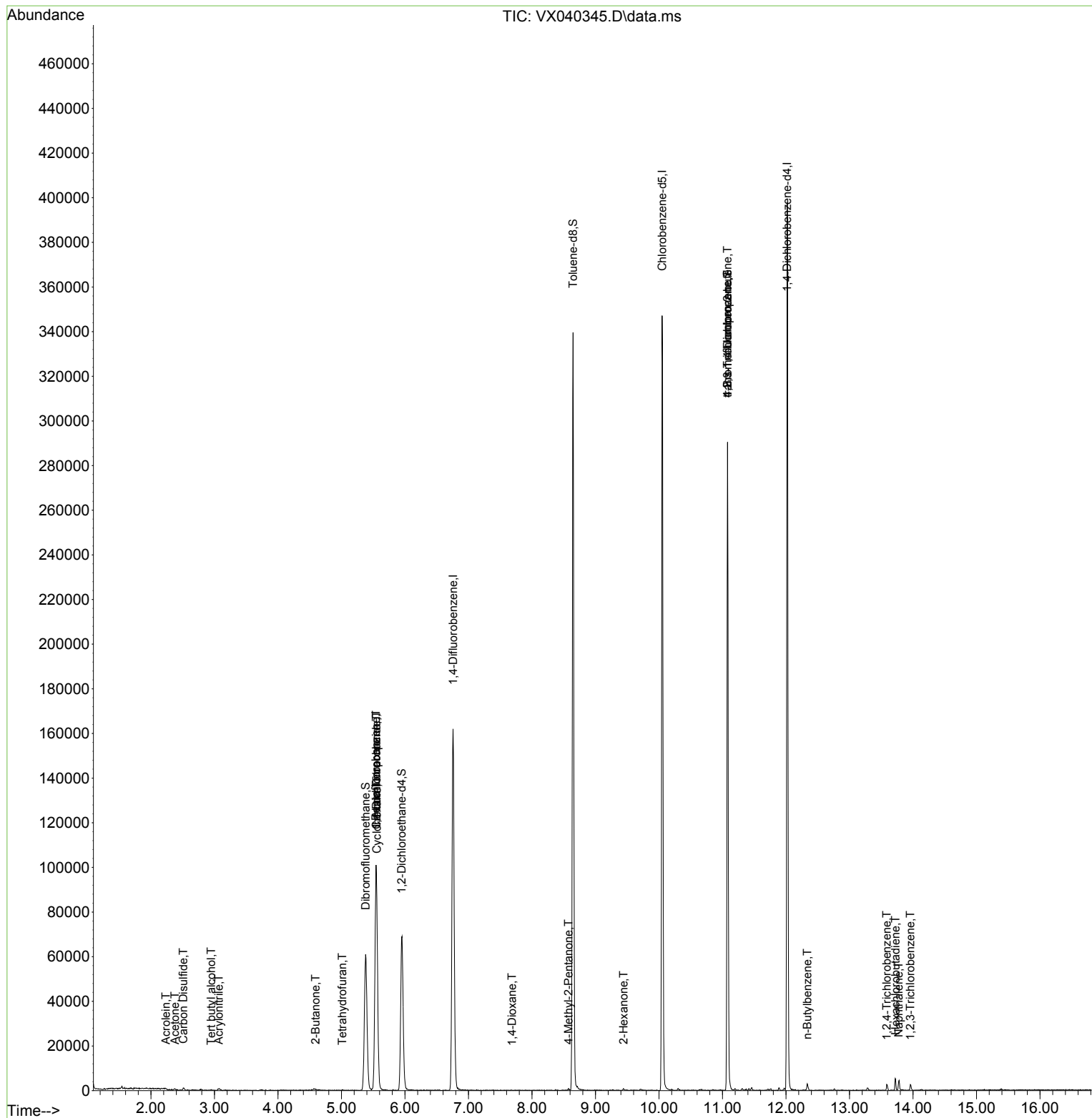
Internal Standards						
1) Pentafluorobenzene	5.544	168	90762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160292	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	152895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68124	50.452	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.900%			
35) Dibromofluoromethane	5.379	113	52546	46.942	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.880%			
50) Toluene-d8	8.647	98	195674	46.730	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.460%			
62) 4-Bromofluorobenzene	11.079	95	76936	45.051	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.100%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	213	0.810	ug/l #	78
13) Acrolein	2.233	56	102	0.420	ug/l #	63
15) Acrylonitrile	3.069	53	491	0.834	ug/l	93
16) Acetone	2.380	43	582	1.049	ug/l #	69
17) Carbon Disulfide	2.508	76	1094	0.447	ug/l #	78
20) Methylene Chloride	2.806	84	233	Below Cal	#	44
25) 2-Butanone	4.593	43	282	0.325	ug/l #	51
29) Tetrahydrofuran	5.013	42	137	0.243	ug/l #	45
31) Cyclohexane	5.556	56	2529	1.570	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	8042	5.129	ug/l #	50
38) Carbon Tetrachloride	5.550	117	9912	6.648	ug/l #	14
49) 1,4-Dioxane	7.684	88	20	0.660	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	598	0.322	ug/l #	63
59) 2-Hexanone	9.439	43	551	0.374	ug/l	74
76) 1,2,3-Trichloropropane	11.079	75	41791	27.292	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41791	74.748	ug/l #	5
89) n-Butylbenzene	12.335	91	1303	0.291	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	1000	0.605	ug/l	75
94) Hexachlorobutadiene	13.725	225	792	1.201	ug/l	92
95) Naphthalene	13.774	128	3510	0.673	ug/l	98
96) 1,2,3-Trichlorobenzene	13.957	180	807	0.513	ug/l	93

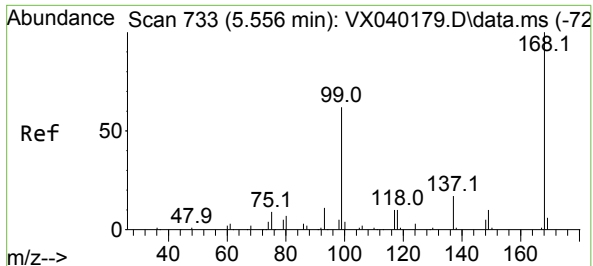
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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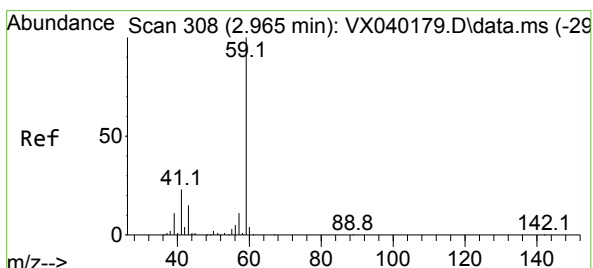
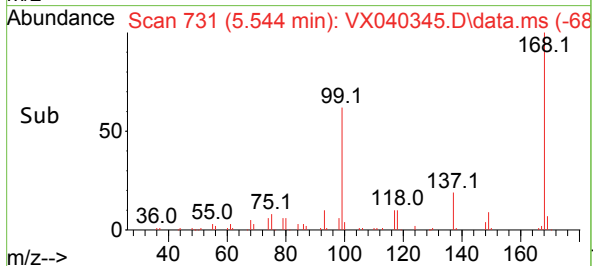
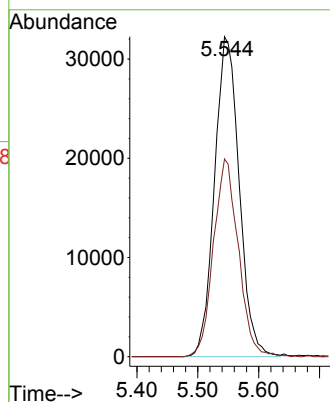
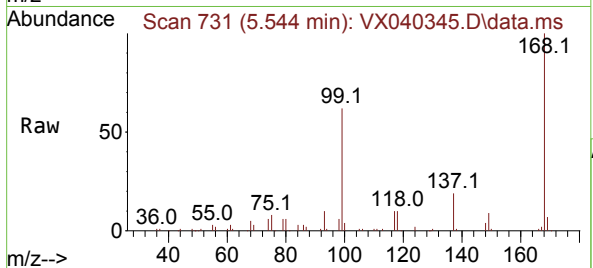




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

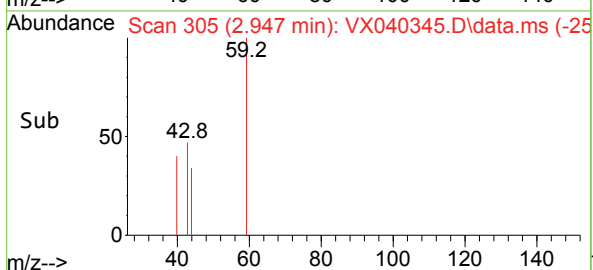
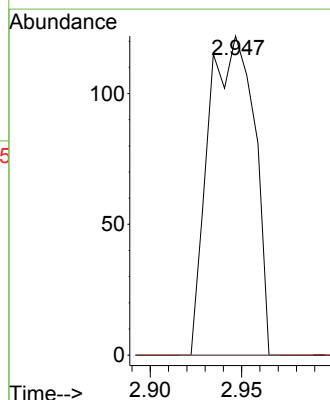
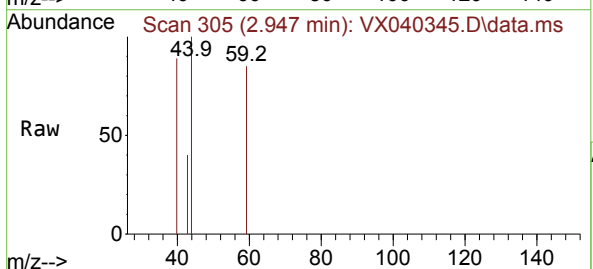
Instrument :
MSVOA_X
ClientSampleId :
VX0220MBL01

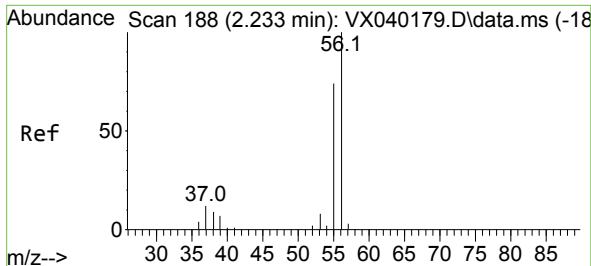
Tgt Ion:168 Resp: 90762
Ion Ratio Lower Upper
168 100
99 61.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.810 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

Tgt Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.420 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

Instrument :

MSVOA_X

ClientSampleId :

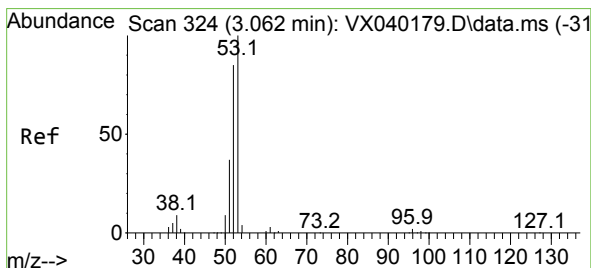
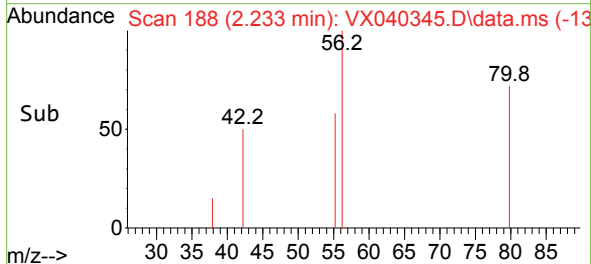
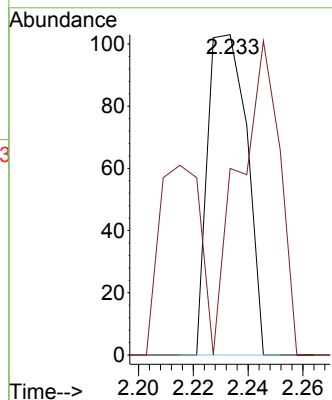
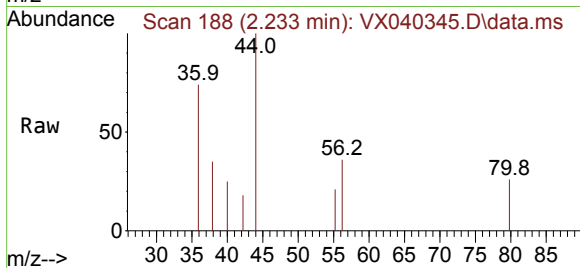
VX0220MBL01

Tgt Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 102.0 57.1 85.7#



#15

Acrylonitrile

Concen: 0.834 ug/l

RT: 3.069 min Scan# 325

Delta R.T. 0.006 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

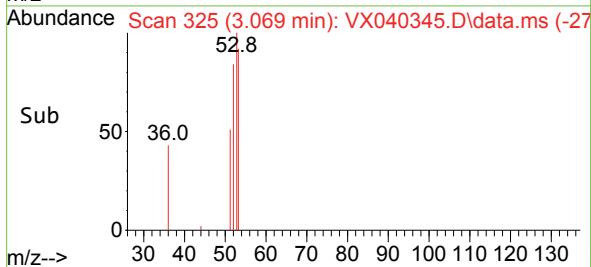
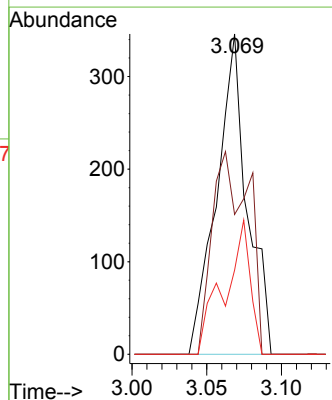
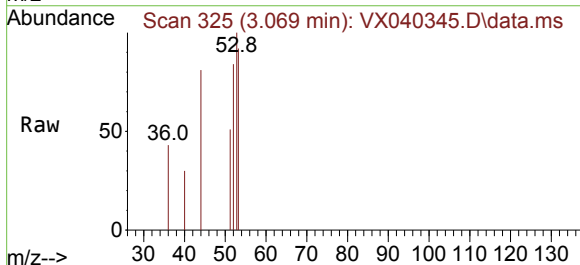
Tgt Ion: 53 Resp: 491

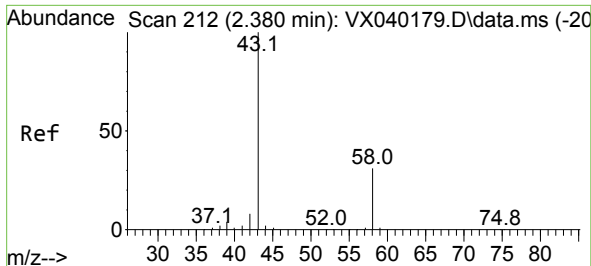
Ion Ratio Lower Upper

53 100

52 74.9 66.0 99.0

51 35.4 29.8 44.6

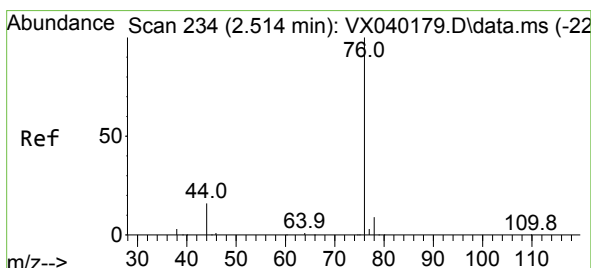
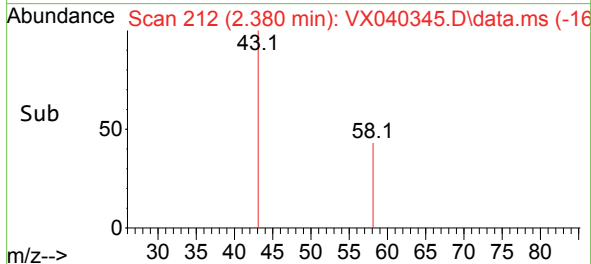
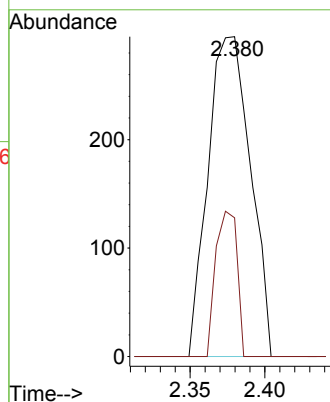
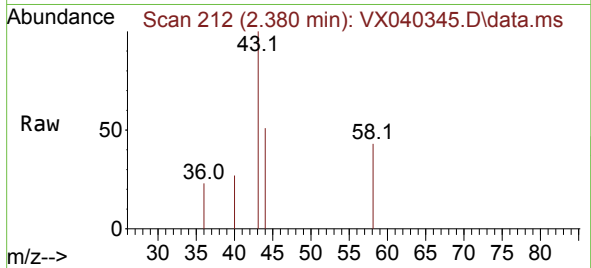




#16
Acetone
Concen: 1.049 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

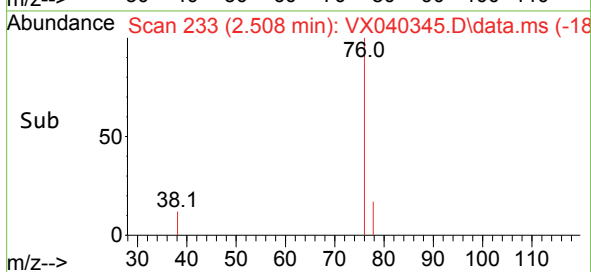
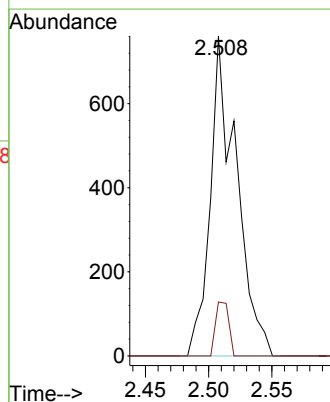
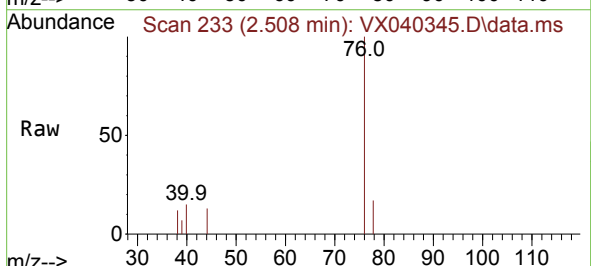
Instrument :
MSVOA_X
ClientSampleId :
VX0220MBL01

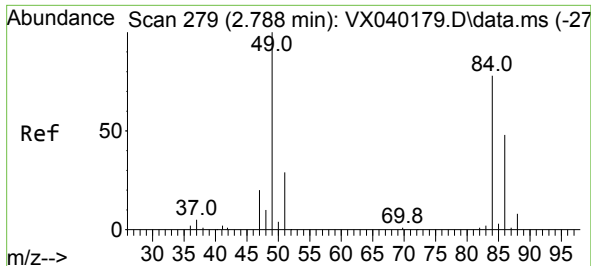
Tgt Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
58 43.4 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.447 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

Tgt Ion: 76 Resp: 1094
Ion Ratio Lower Upper
76 100
78 16.8 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.806 min Scan# 21

Delta R.T. 0.018 min

Lab File: VX040345.D

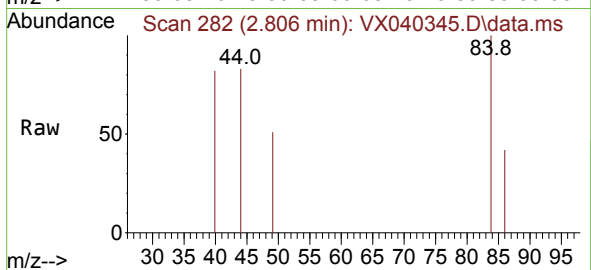
Acq: 20 Feb 2024 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0220MBL01



Tgt Ion: 84 Resp: 233

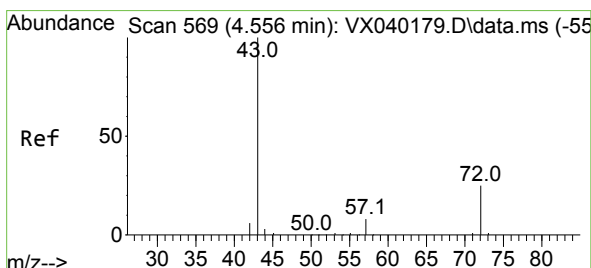
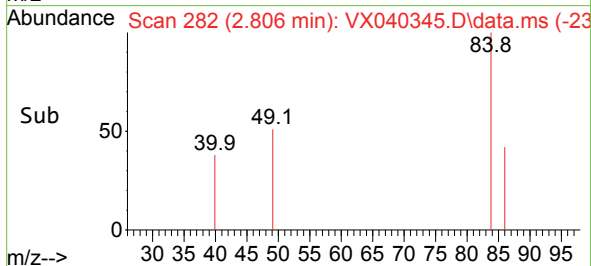
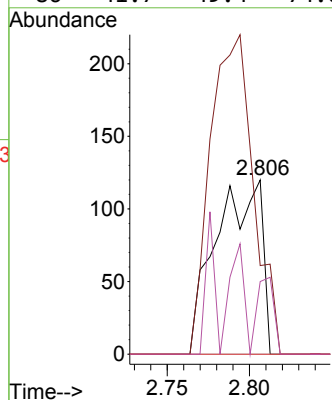
Ion Ratio Lower Upper

84 100

49 50.8 103.6 155.4#

51 0.0 33.8 50.6#

86 41.7 49.4 74.0#



#25

2-Butanone

Concen: 0.325 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.037 min

Lab File: VX040345.D

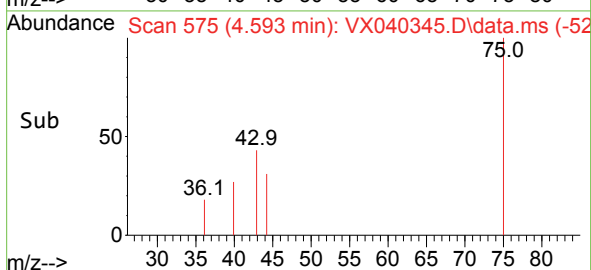
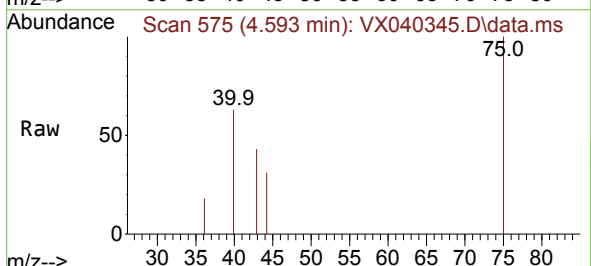
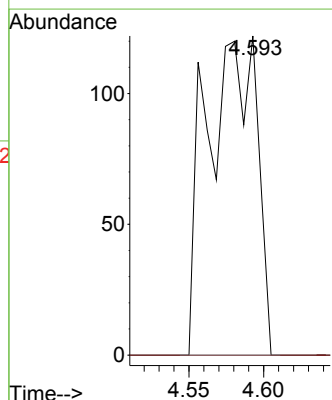
Acq: 20 Feb 2024 10:47

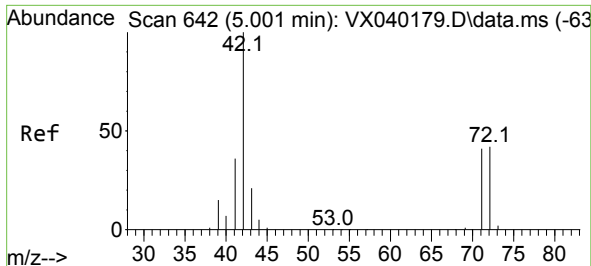
Tgt Ion: 43 Resp: 282

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.013 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0220MBL01

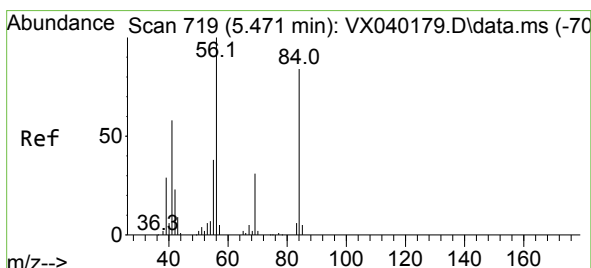
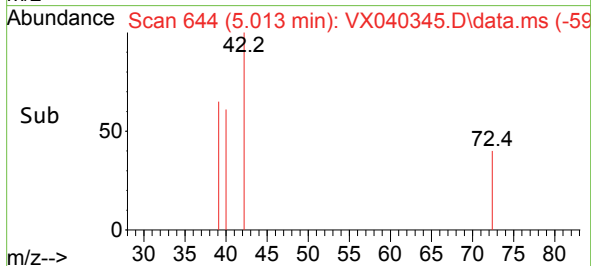
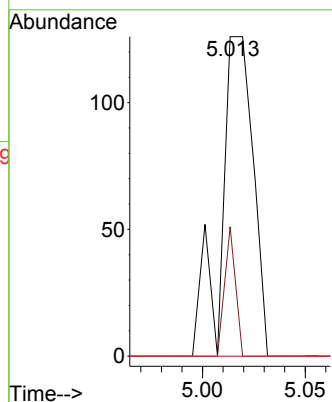
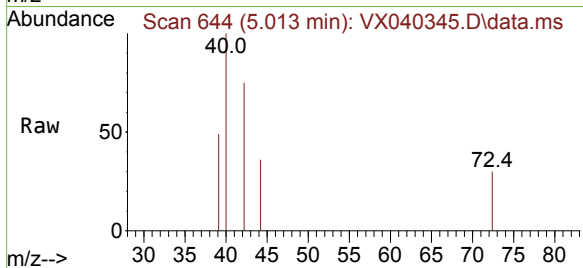
Tgt Ion: 42 Resp: 137

Ion Ratio Lower Upper

42 100

72 13.9 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.570 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

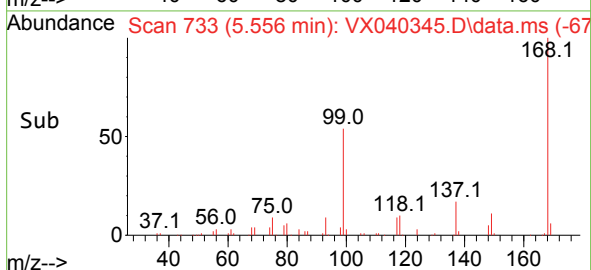
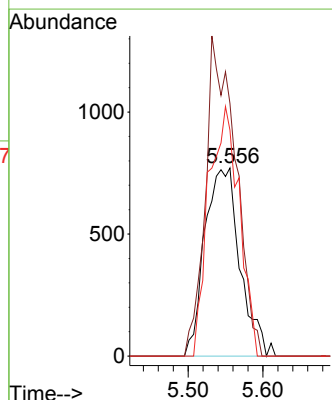
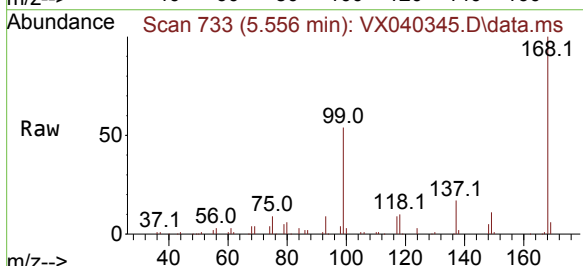
Tgt Ion: 56 Resp: 2529

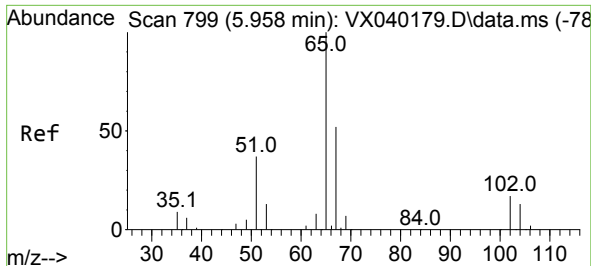
Ion Ratio Lower Upper

56 100

69 134.2 23.4 35.2#

84 120.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 50.452 ug/l

RT: 5.946 min Scan# 799

Delta R.T. -0.012 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

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ClientSampleId :

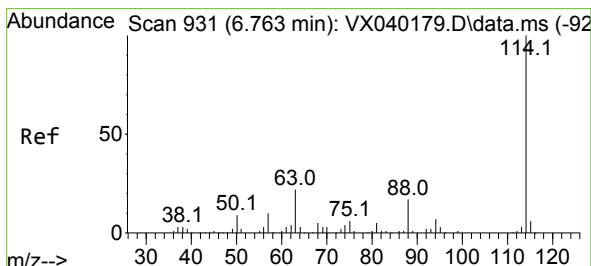
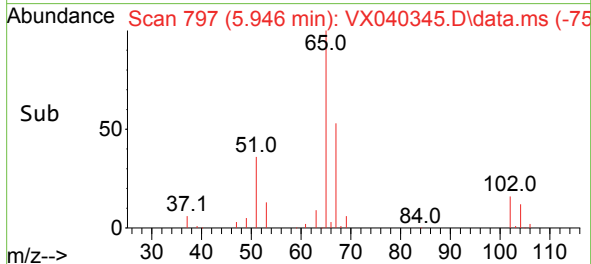
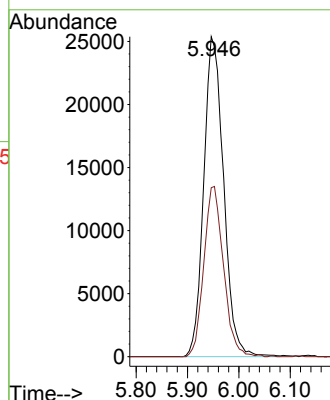
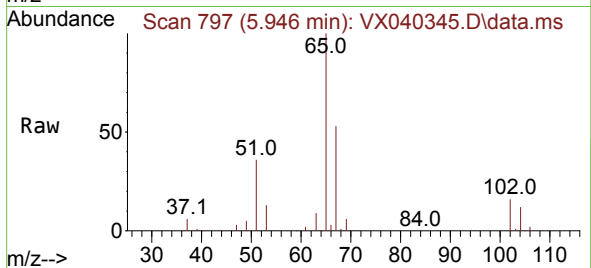
VX0220MBL01

Tgt Ion: 65 Resp: 68124

Ion Ratio Lower Upper

65 100

67 52.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

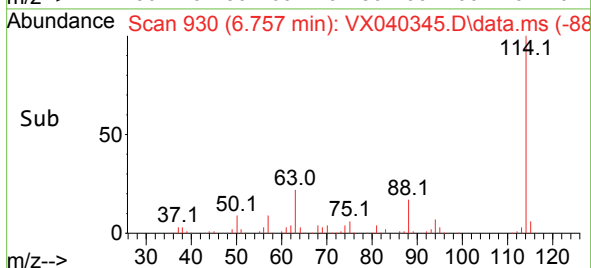
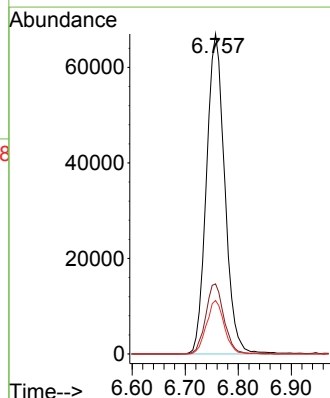
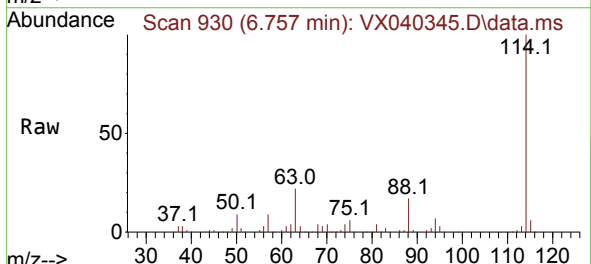
Tgt Ion:114 Resp: 160292

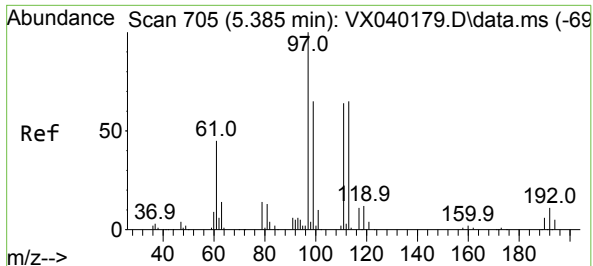
Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.0

88 16.7 0.0 36.6

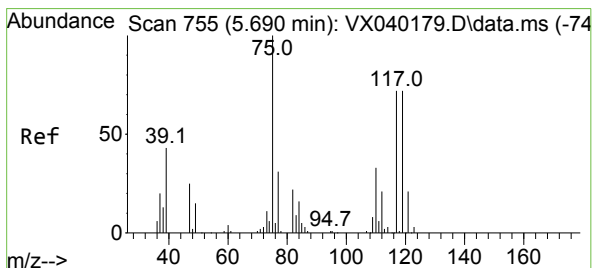
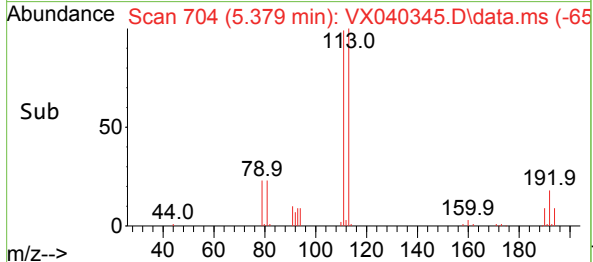
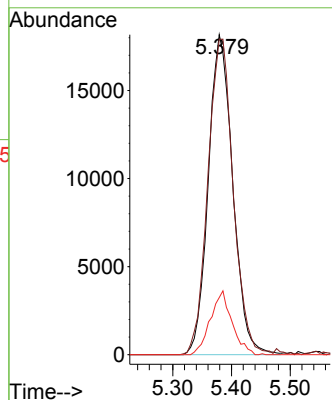
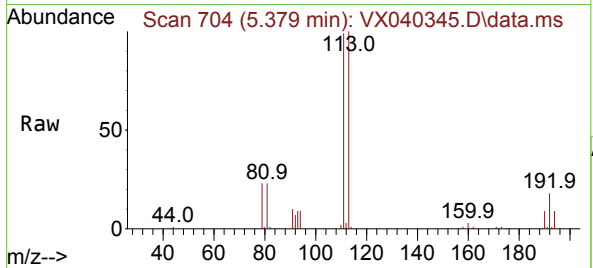




#35
Dibromofluoromethane
Concen: 46.942 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

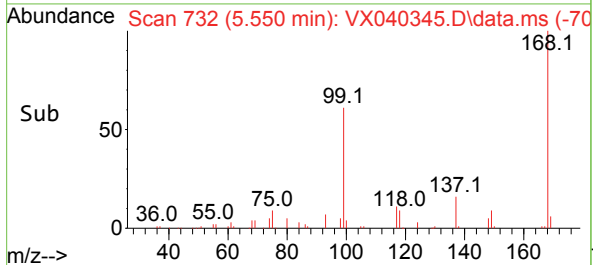
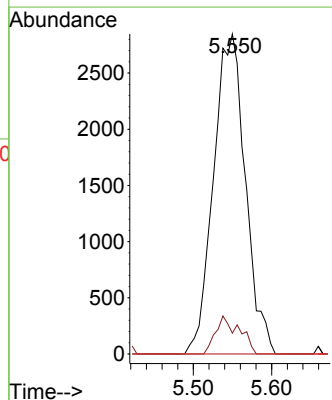
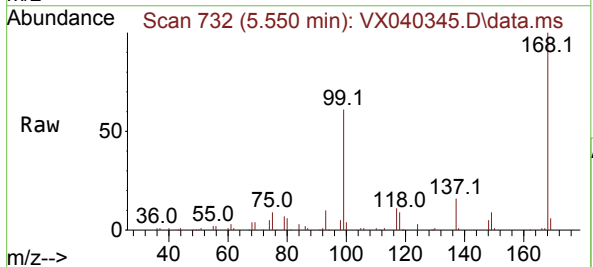
Instrument :
MSVOA_X
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VX0220MBL01

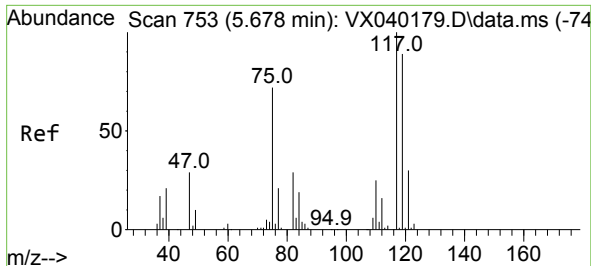
Tgt Ion:113 Resp: 52546
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 17.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.129 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

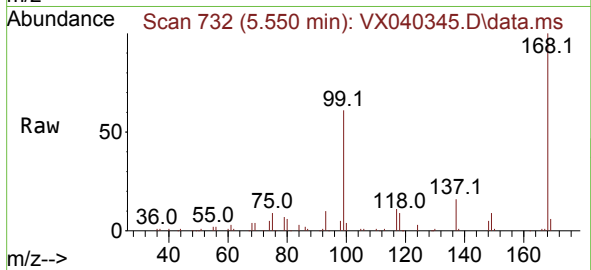
Tgt Ion: 75 Resp: 8042
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



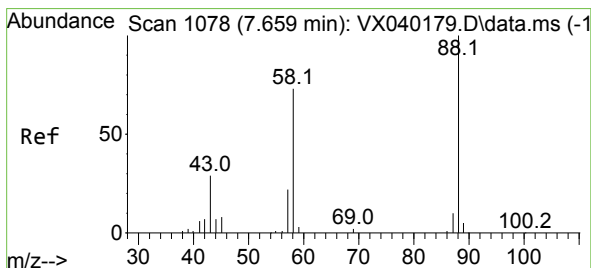
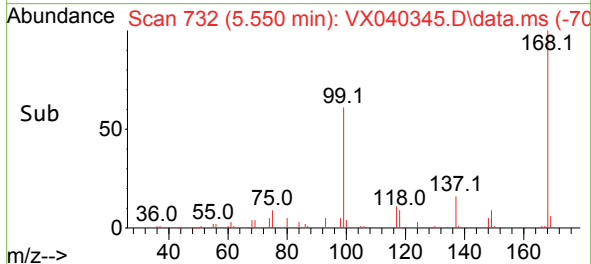
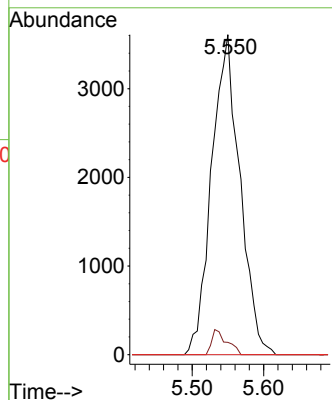


#38
Carbon Tetrachloride
Concen: 6.648 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX0220MBL01

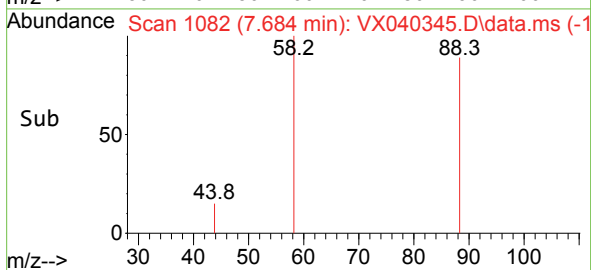
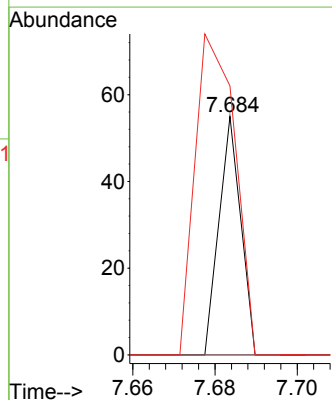
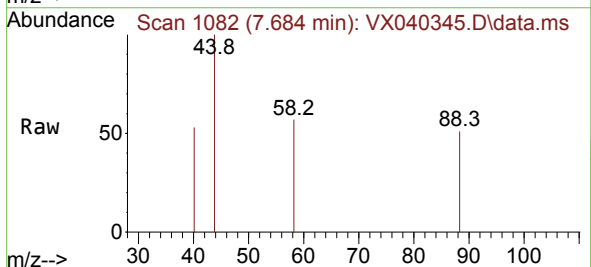


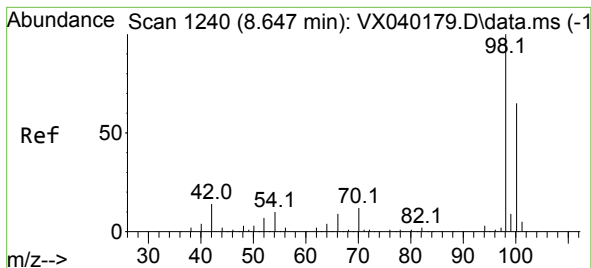
Tgt Ion:117 Resp: 9912
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.660 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.025 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 250.0 60.1 90.1#





#50

Toluene-d8

Concen: 46.730 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

Instrument :

MSVOA_X

ClientSampleId :

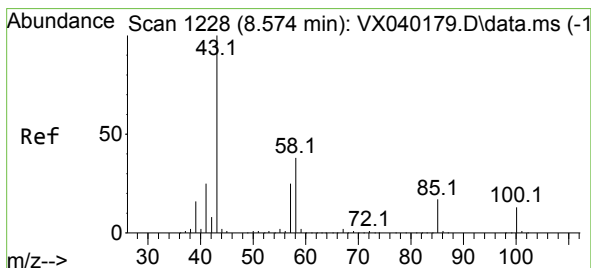
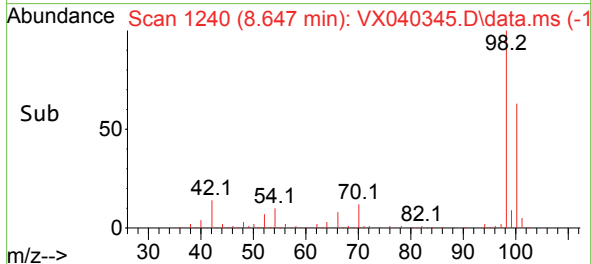
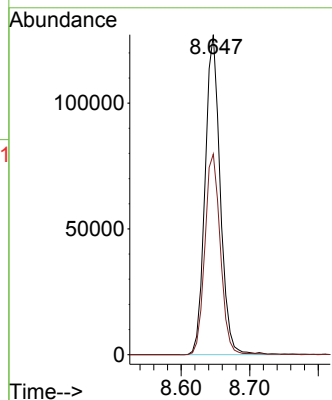
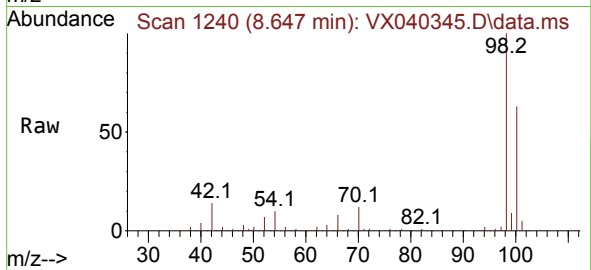
VX0220MBL01

Tgt Ion: 98 Resp: 195674

Ion Ratio Lower Upper

98 100

100 64.3 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.322 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX040345.D

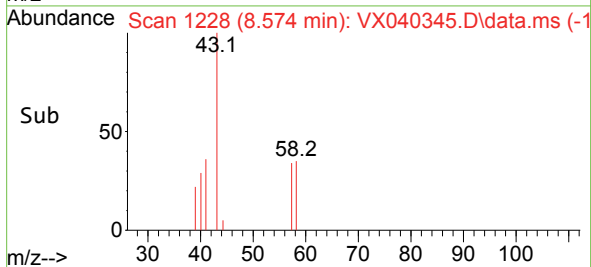
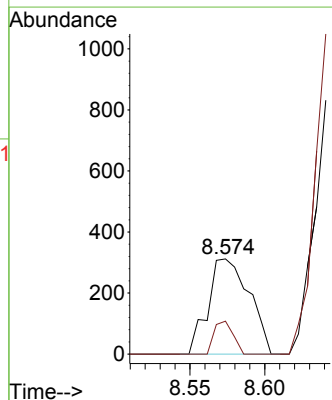
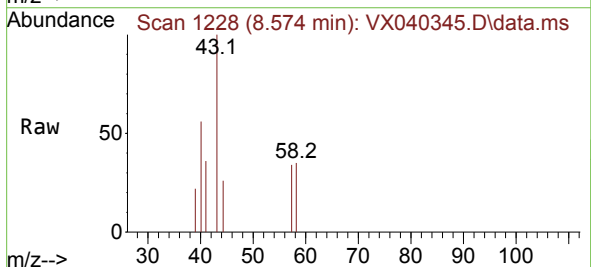
Acq: 20 Feb 2024 10:47

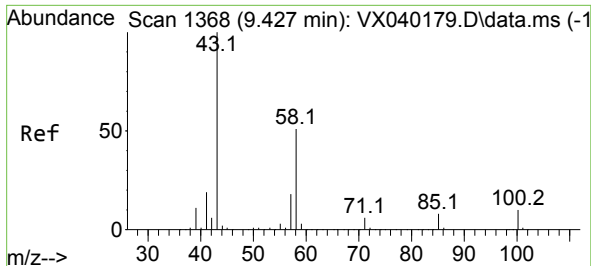
Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

43 100

58 15.9 30.4 45.6#

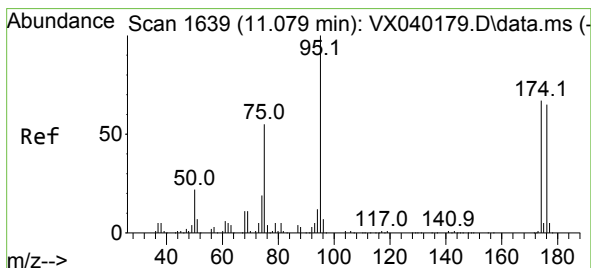
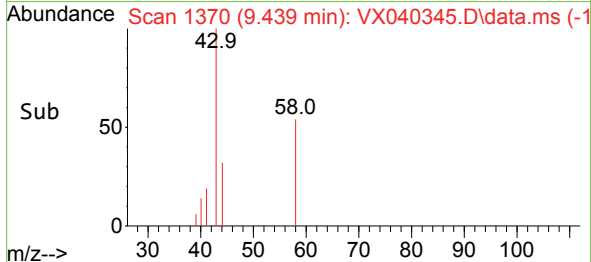
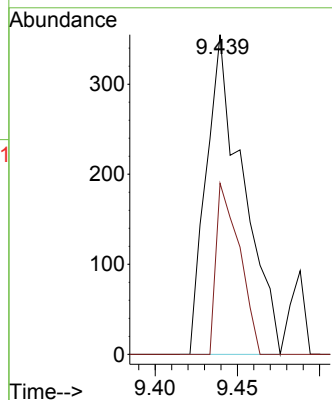
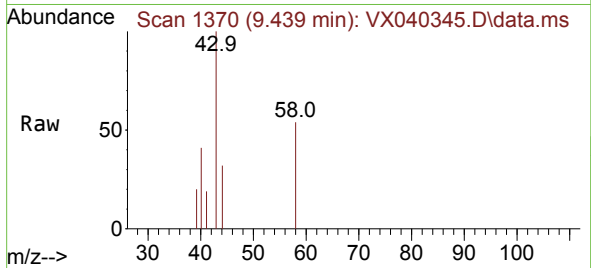




#59
2-Hexanone
Concen: 0.374 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

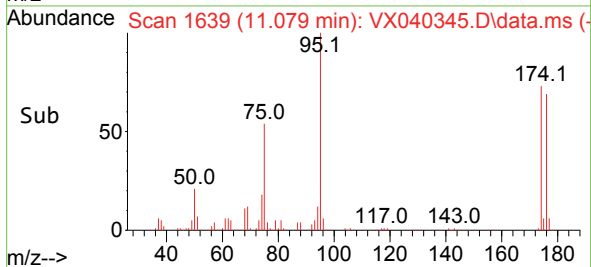
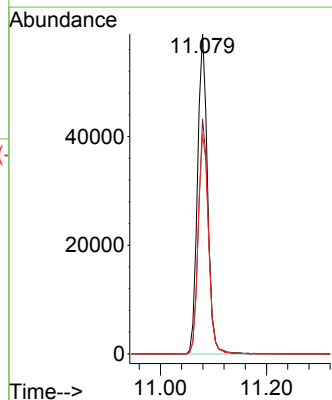
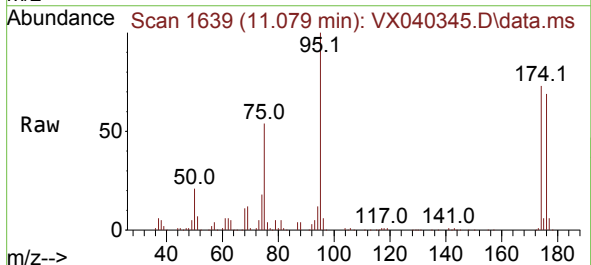
Instrument :
MSVOA_X
ClientSampleId :
VX0220MBL01

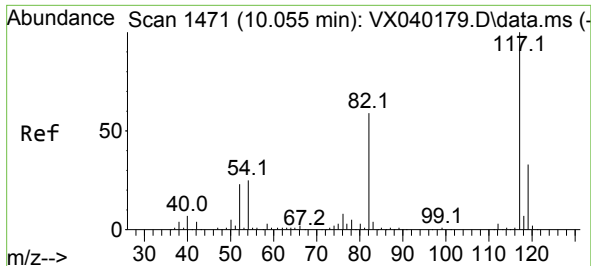
Tgt Ion: 43 Resp: 551
Ion Ratio Lower Upper
43 100
58 34.1 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 45.051 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

Tgt Ion: 95 Resp: 76936
Ion Ratio Lower Upper
95 100
174 73.1 0.0 135.6
176 70.6 0.0 131.0

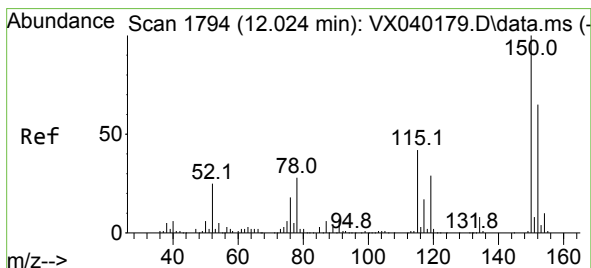
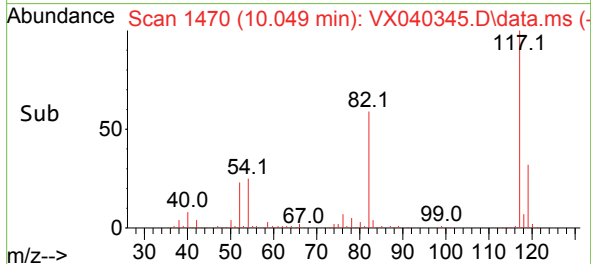
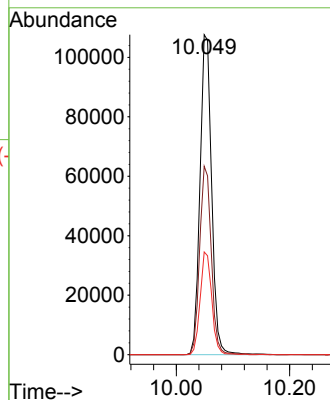
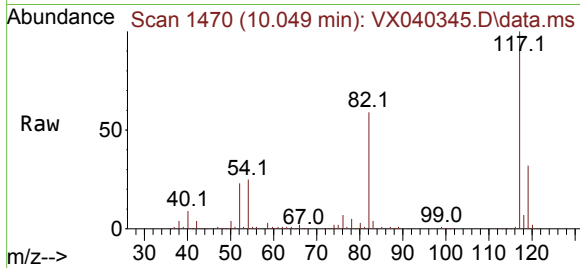




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

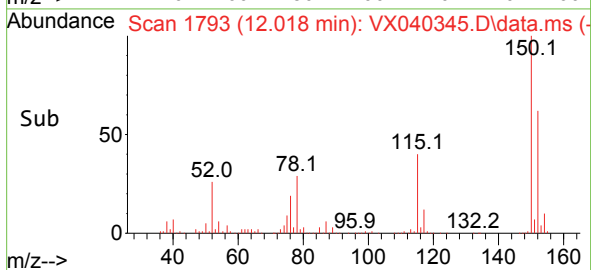
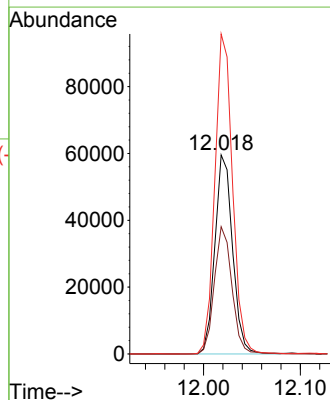
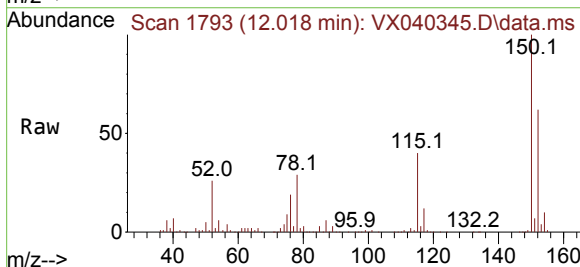
Instrument :
MSVOA_X
ClientSampleId :
VX0220MBL01

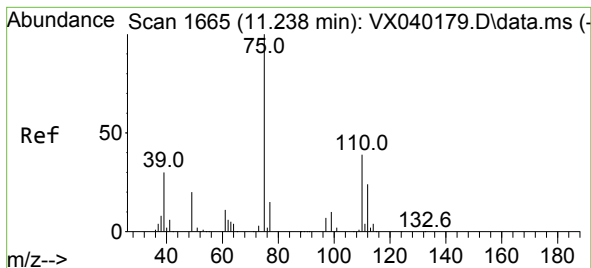
Tgt Ion:117 Resp: 152895
Ion Ratio Lower Upper
117 100
82 58.9 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

Tgt Ion:152 Resp: 75616
Ion Ratio Lower Upper
152 100
115 63.5 43.3 129.9
150 160.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.292 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

Instrument :

MSVOA_X

ClientSampleId :

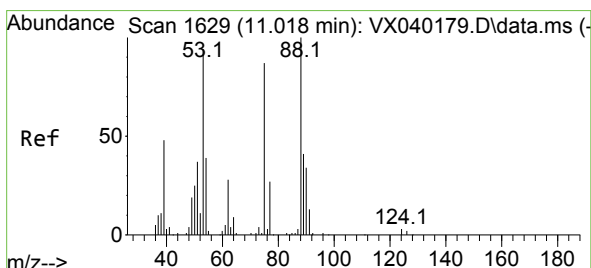
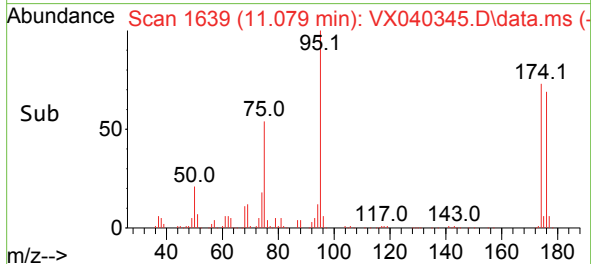
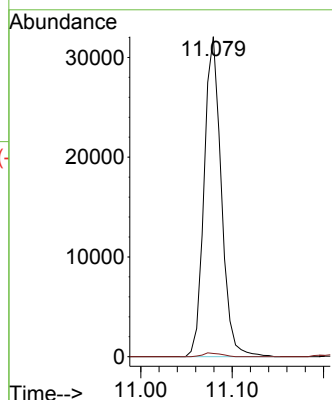
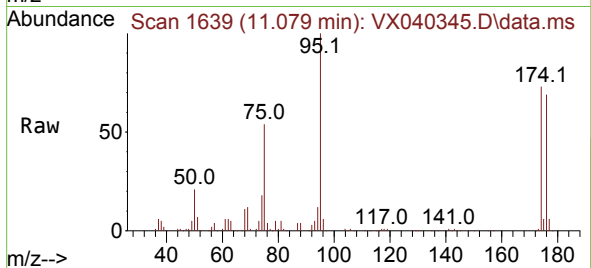
VX0220MBL01

Tgt Ion: 75 Resp: 41791

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.748 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

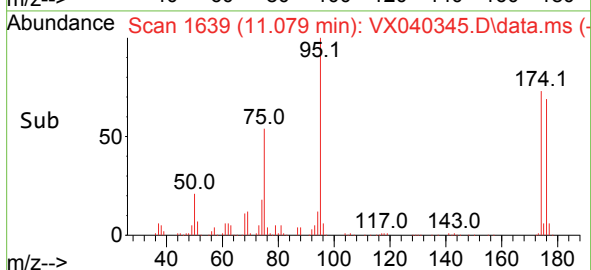
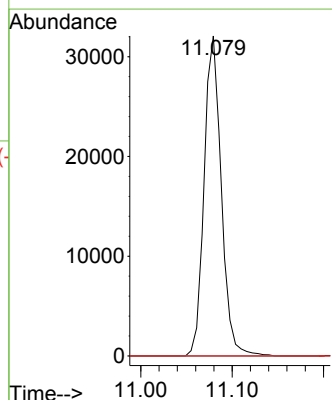
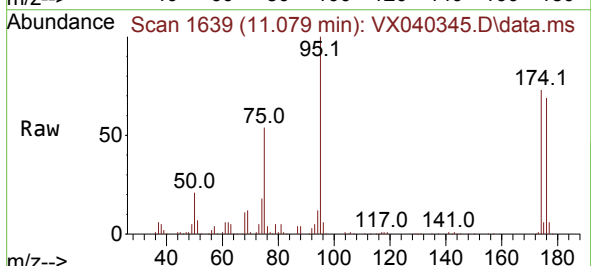
Tgt Ion: 75 Resp: 41791

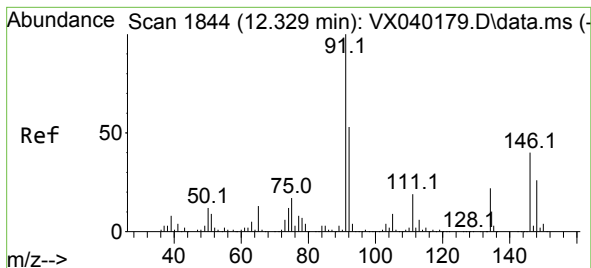
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.291 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX0220MBL01

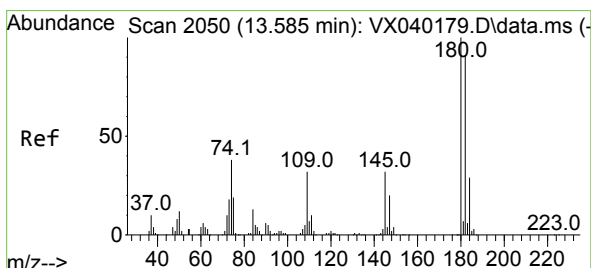
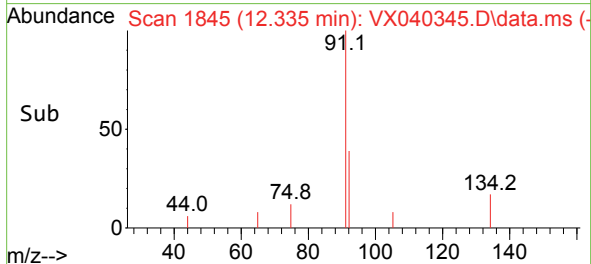
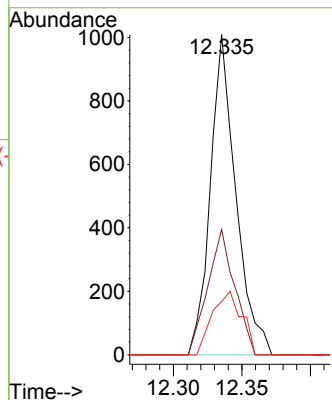
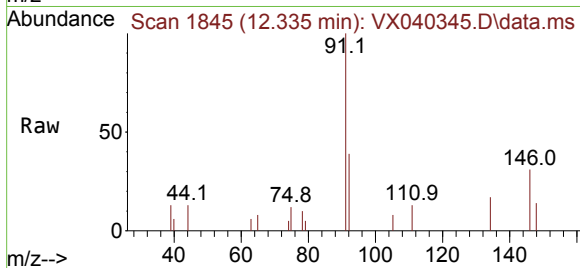
Tgt Ion: 91 Resp: 1303

Ion Ratio Lower Upper

91 100

92 41.4 27.4 82.0

134 22.9 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.605 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX040345.D

Acq: 20 Feb 2024 10:47

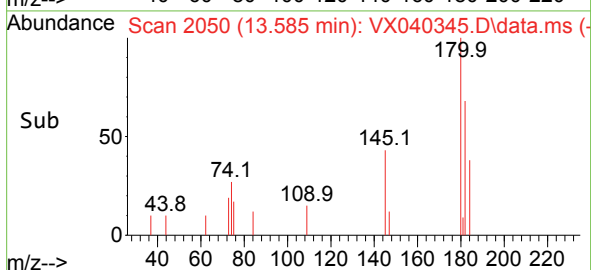
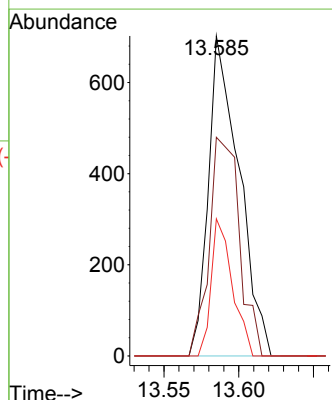
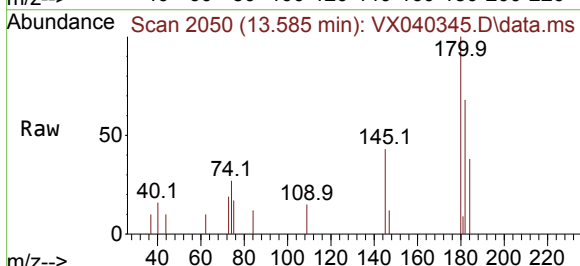
Tgt Ion:180 Resp: 1000

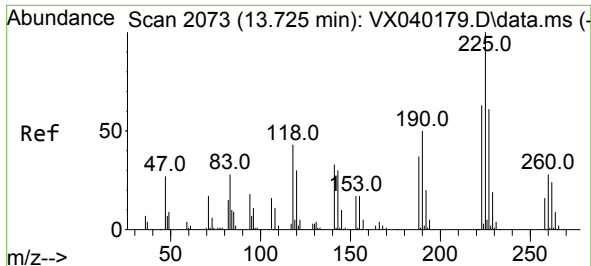
Ion Ratio Lower Upper

180 100

182 67.5 48.3 144.8

145 29.6 18.0 54.0

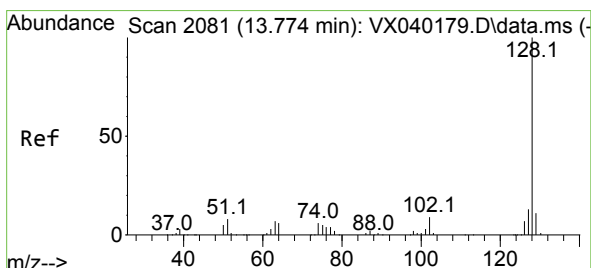
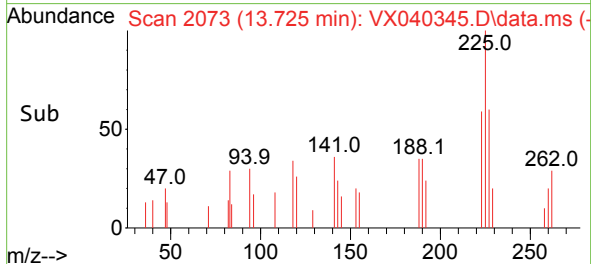
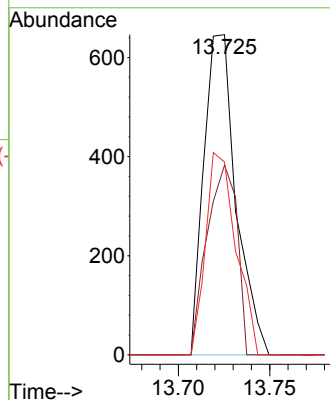
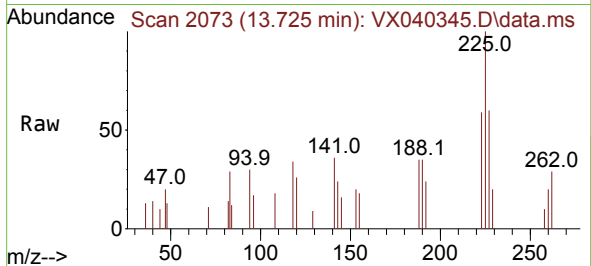




#94
Hexachlorobutadiene
Concen: 1.201 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

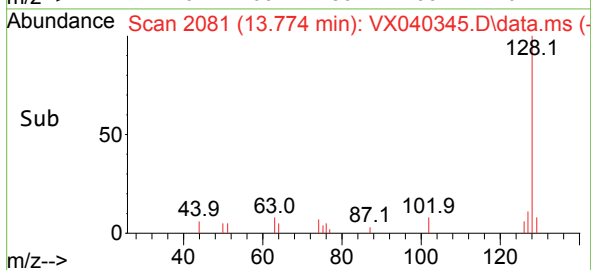
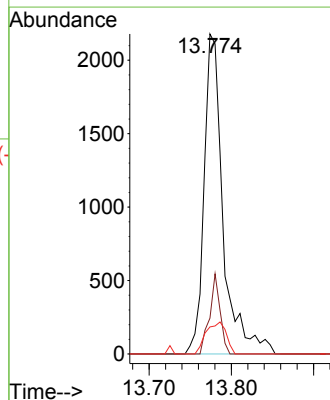
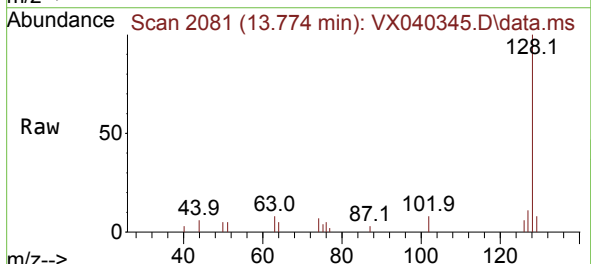
Instrument :
MSVOA_X
ClientSampleId :
VX0220MBL01

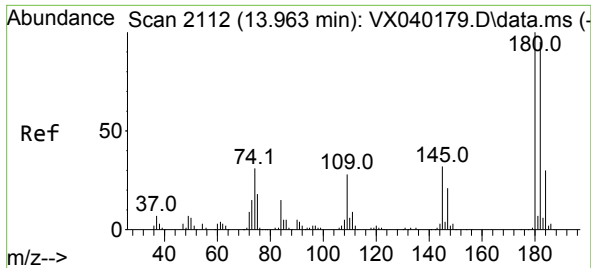
Tgt Ion:225 Resp: 792
Ion Ratio Lower Upper
225 100
223 55.3 31.1 93.2
227 59.7 32.5 97.5



#95
Naphthalene
Concen: 0.673 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX040345.D
Acq: 20 Feb 2024 10:47

Tgt Ion:128 Resp: 3510
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 10.6 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.513 ug/l
 RT: 13.957 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VX040345.D
 Acq: 20 Feb 2024 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220MBL01

Tgt Ion:180	Resp:	807
Ion	Ratio	Lower Upper
180	100	
182	101.6	46.9 140.6
145	33.1	17.8 53.5

