

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020123\
 Data File : VX033979.D
 Acq On : 01 Feb 2023 10:38
 Operator : JC/MD
 Sample : VX0201MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0201MBL01

Quant Time: Feb 02 01:34:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

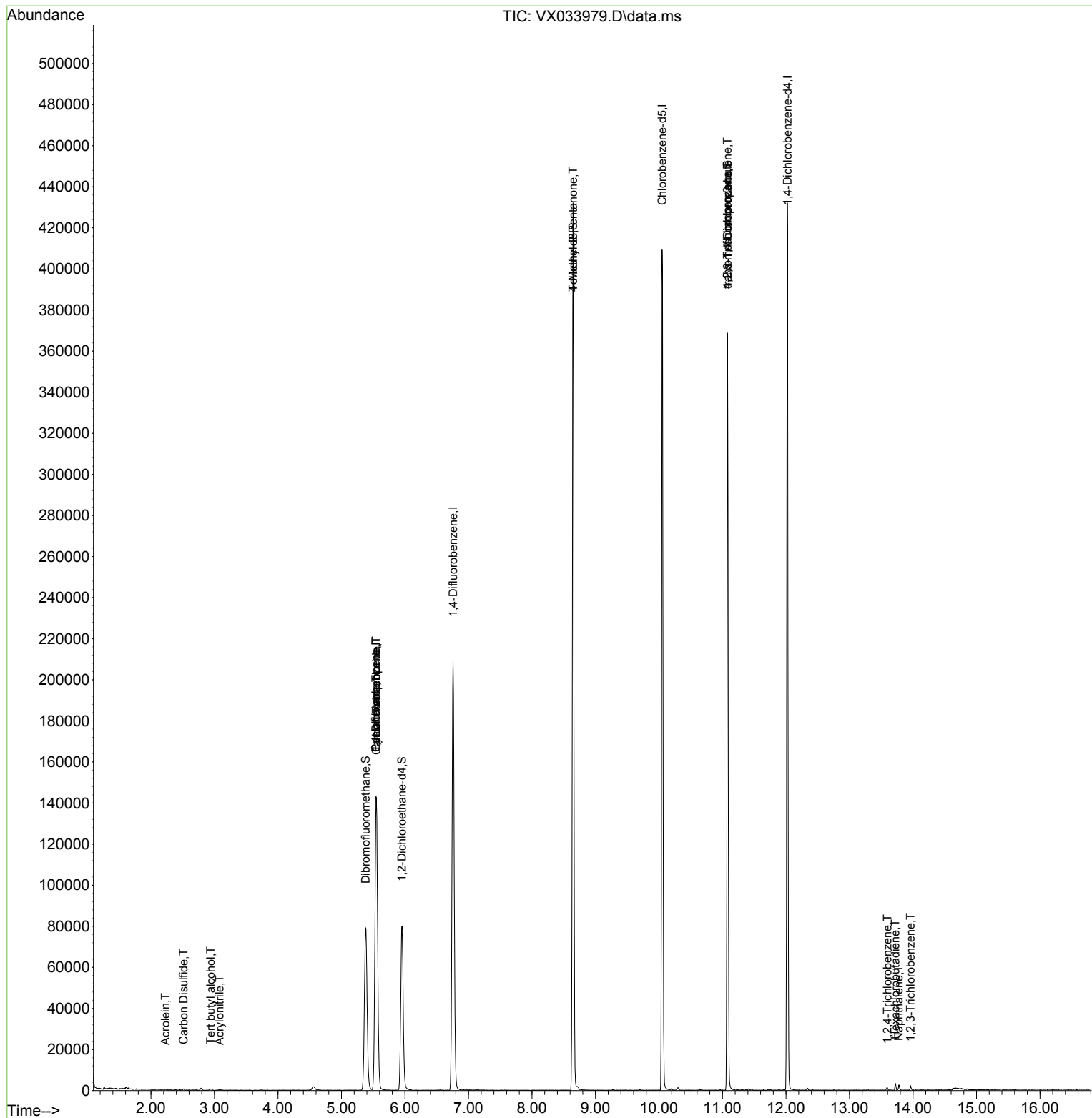
Internal Standards						
1) Pentafluorobenzene	5.544	168	162499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	231127	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	205982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76639	44.793	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.580%		
35) Dibromofluoromethane	5.379	113	70907	49.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.820%		
50) Toluene-d8	8.647	98	263426	50.377	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.760%		
62) 4-Bromofluorobenzene	11.079	95	93385	48.100	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.200%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.941	59	454	1.527	ug/l #	86
13) Acrolein	2.227	56	108	0.394	ug/l #	70
15) Acrylonitrile	3.081	53	187	0.239	ug/l #	78
16) Acetone	2.380	43	445	Below Cal	#	47
17) Carbon Disulfide	2.514	76	771	2.044	ug/l #	76
20) Methylene Chloride	2.788	84	500	Below Cal	#	85
31) Cyclohexane	5.544	56	2350	0.933	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9266	4.424	ug/l #	48
38) Carbon Tetrachloride	5.550	117	13594	6.266	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	975	0.480	ug/l #	1
64) Tetrachloroethene	9.275	164	45	Below Cal	#	47
73) Isopropylbenzene	10.964	105	208	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	11.079	83	50	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	42867	22.762	ug/l #	34
77) Bromobenzene	11.195	156	99	Below Cal		68
79) 2-Chlorotoluene	11.366	91	200	Below Cal	#	65
81) trans-1,4-Dichloro-2-b...	11.079	75	42867	70.742	ug/l #	8
82) 4-Chlorotoluene	11.457	91	373	Below Cal		74
93) 1,2,4-Trichlorobenzene	13.597	180	587	0.261	ug/l	96
94) Hexachlorobutadiene	13.719	225	721	0.654	ug/l	96
95) Naphthalene	13.774	128	2235	0.345	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	653	0.290	ug/l	91

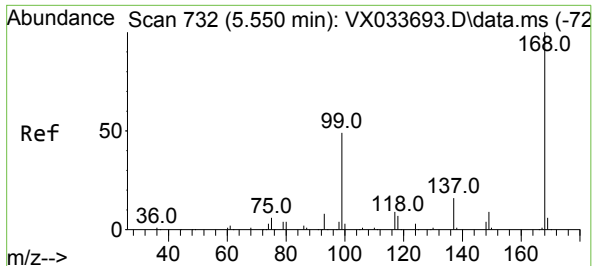
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX0201MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

Quant Time: Feb 02 01:34:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

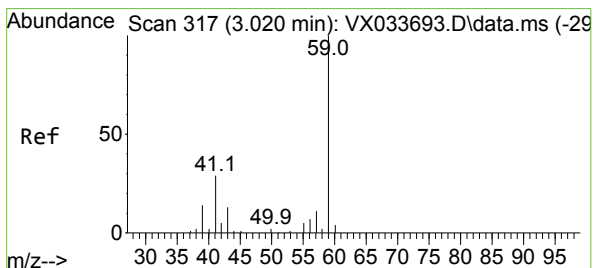
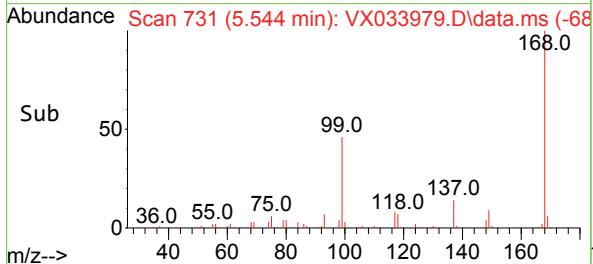
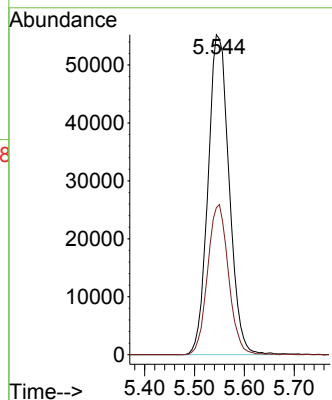
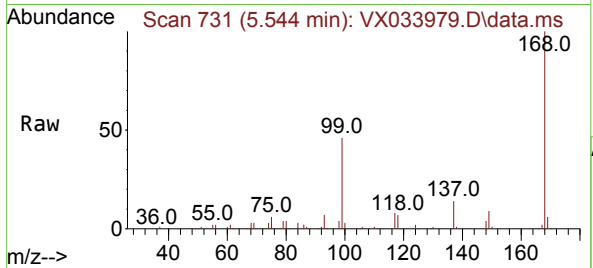




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

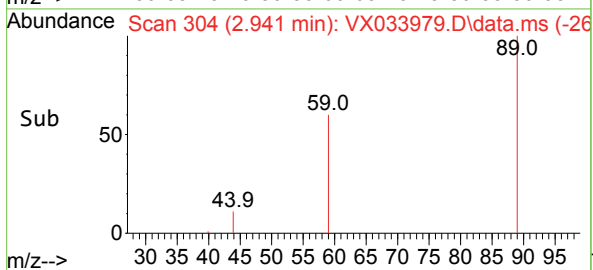
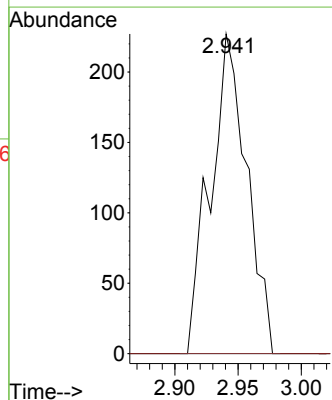
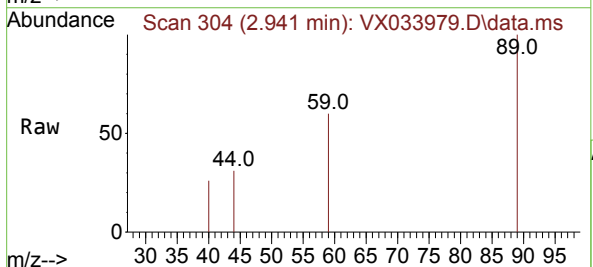
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

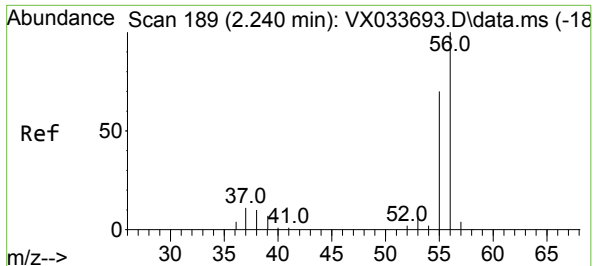
Tgt Ion:168 Resp: 162499
Ion Ratio Lower Upper
168 100
99 46.0 39.6 59.4



#11
Tert butyl alcohol
Concen: 1.527 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

Tgt Ion: 59 Resp: 454
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#





#13

Acrolein

Concen: 0.394 ug/l

RT: 2.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

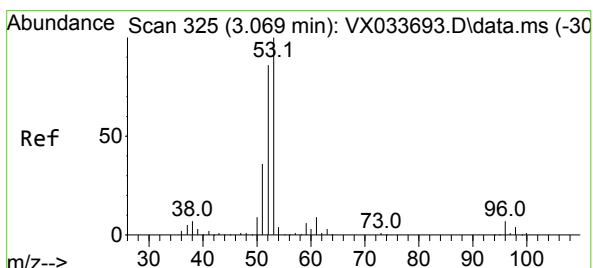
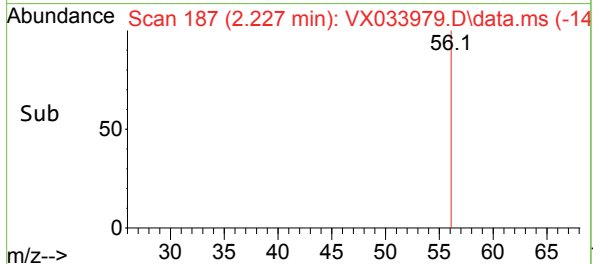
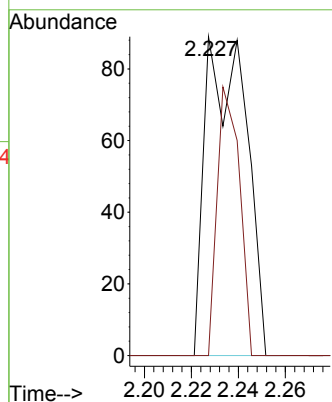
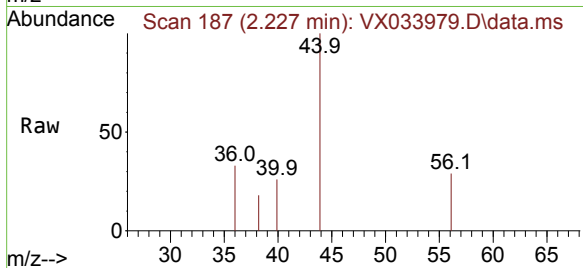
VX0201MBL01

Tgt Ion: 56 Resp: 108

Ion Ratio Lower Upper

56 100

55 45.4 56.3 84.5#



#15

Acrylonitrile

Concen: 0.239 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.012 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

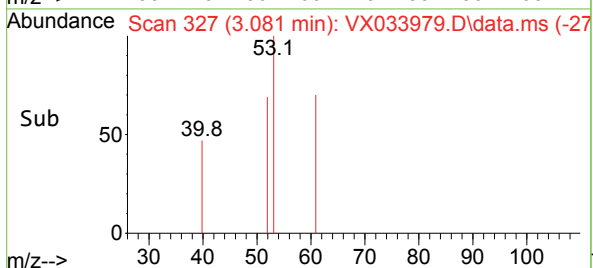
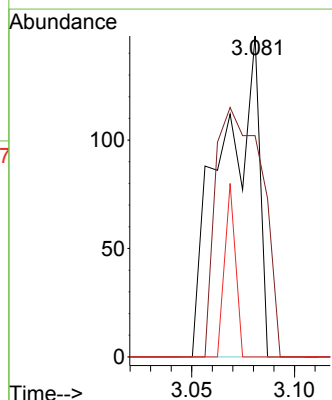
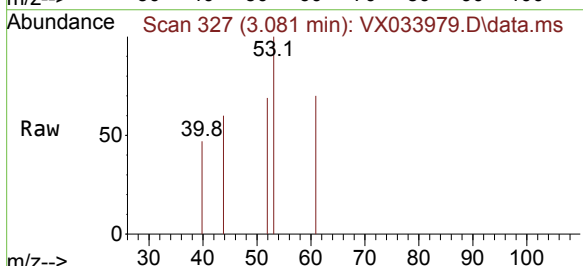
Tgt Ion: 53 Resp: 187

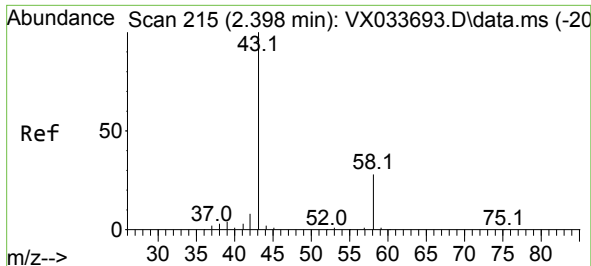
Ion Ratio Lower Upper

53 100

52 96.3 65.7 98.5

51 15.5 29.0 43.4#

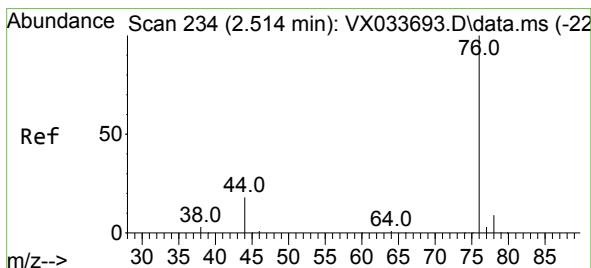
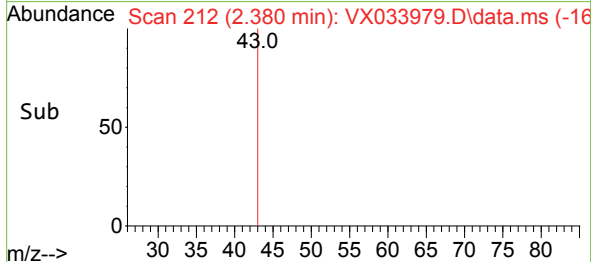
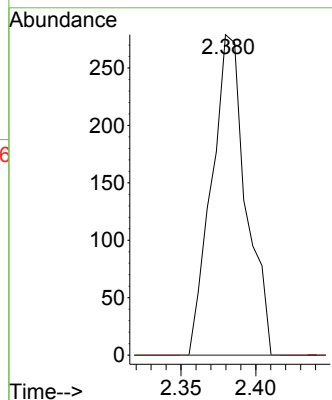
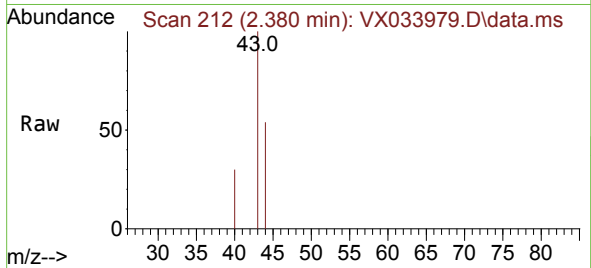




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 215
Delta R.T. -0.018 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

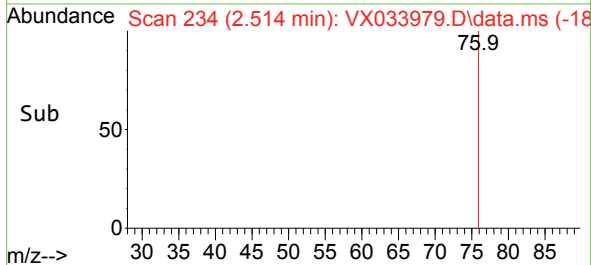
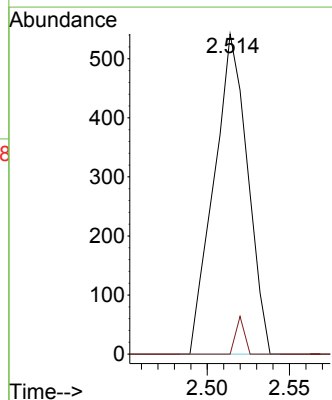
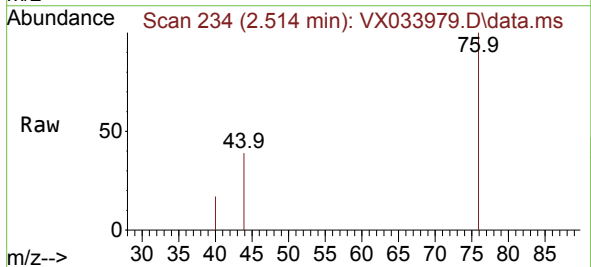
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

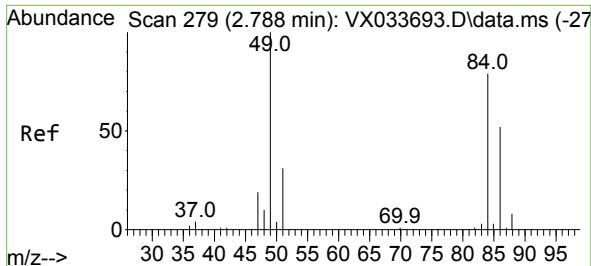
Tgt Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



#17
Carbon Disulfide
Concen: 2.044 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

Tgt Ion: 76 Resp: 771
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0201MBL01

Tgt Ion: 84 Resp: 500

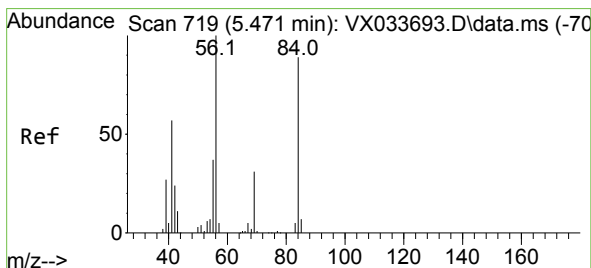
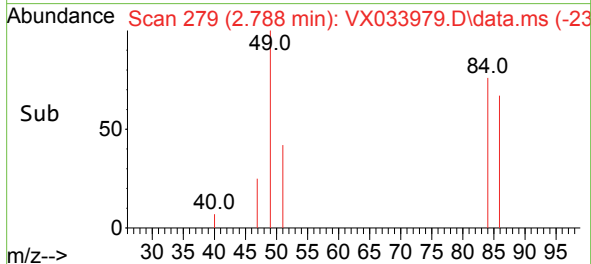
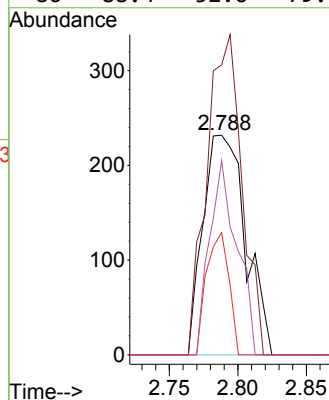
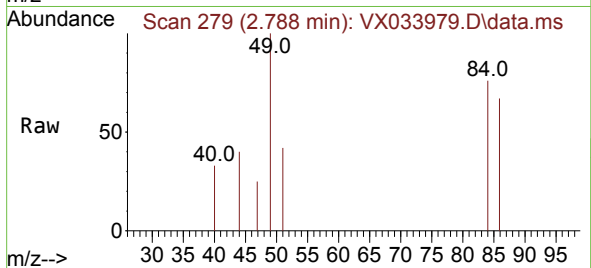
Ion Ratio Lower Upper

84 100

49 131.9 101.1 151.7

51 55.6 31.0 46.6#

86 88.4 52.6 79.0#



#31

Cyclohexane

Concen: 0.933 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

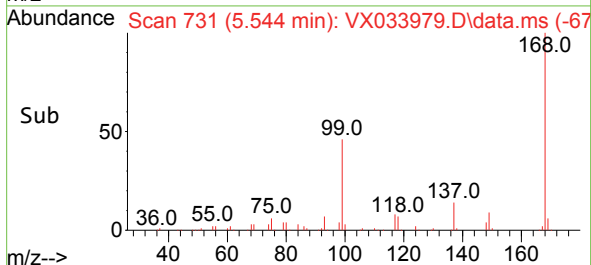
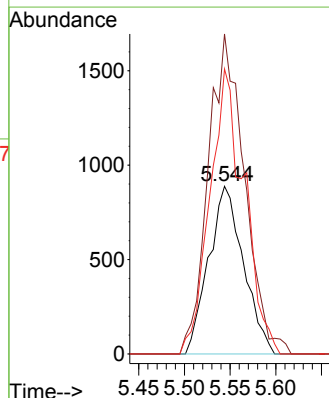
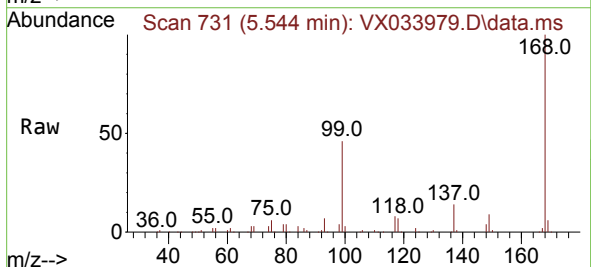
Tgt Ion: 56 Resp: 2350

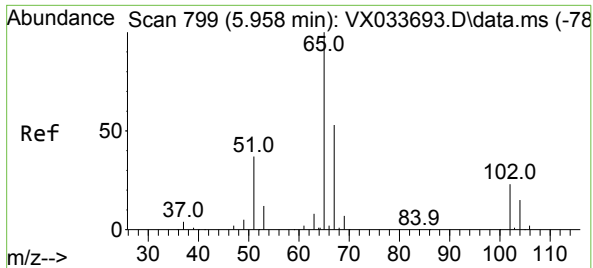
Ion Ratio Lower Upper

56 100

69 190.9 24.6 37.0#

84 169.9 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.793 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

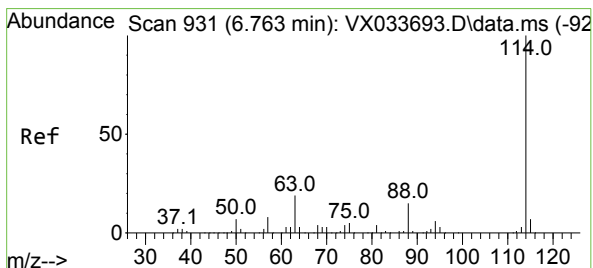
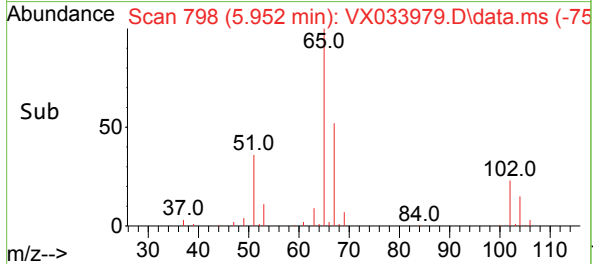
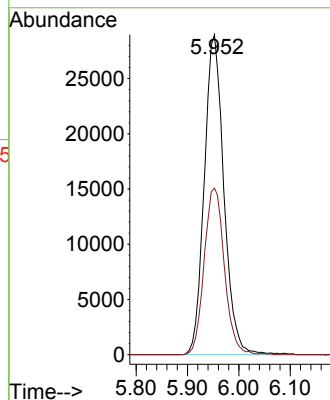
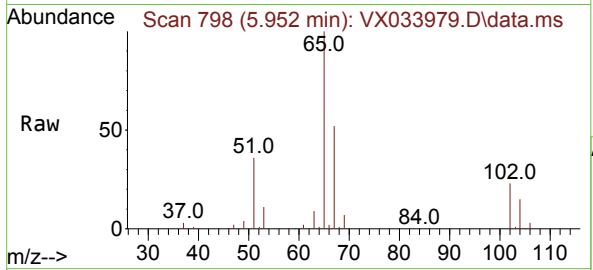
VX0201MBL01

Tgt Ion: 65 Resp: 76639

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

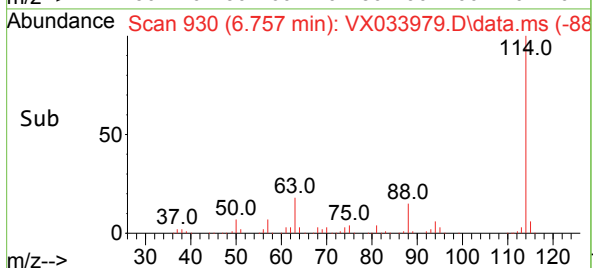
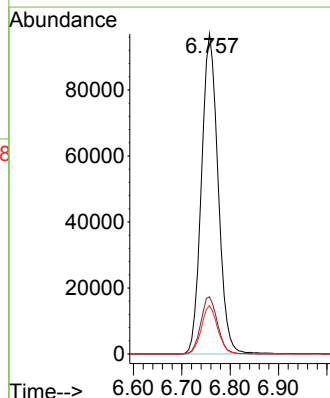
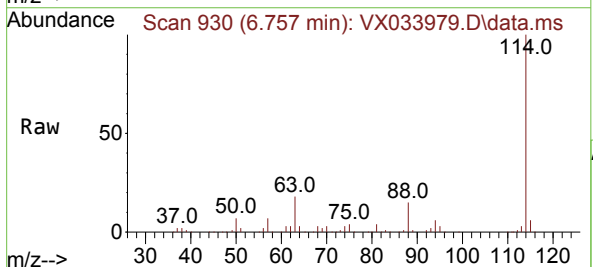
Tgt Ion: 114 Resp: 231127

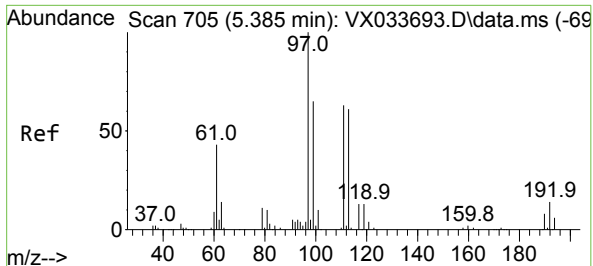
Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.4

88 15.1 0.0 30.6

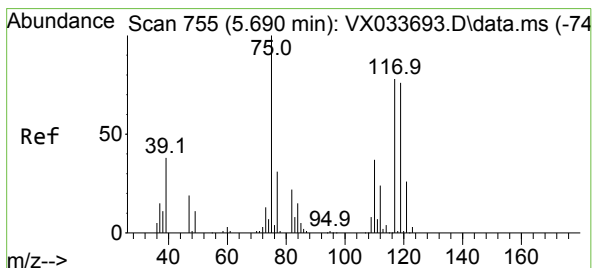
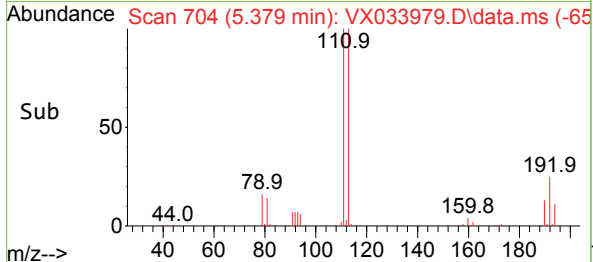
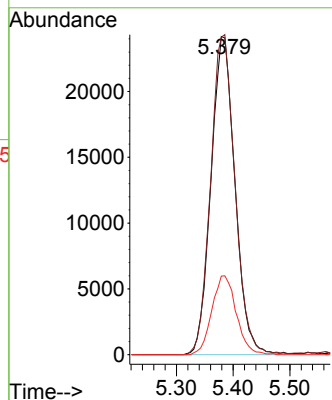
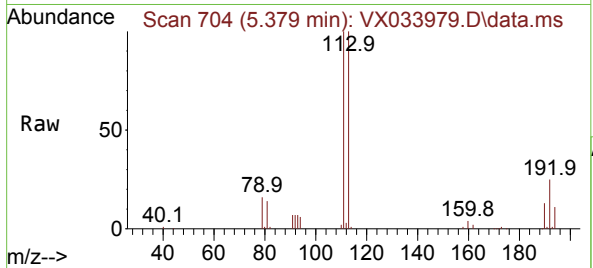




#35
Dibromofluoromethane
Concen: 49.407 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

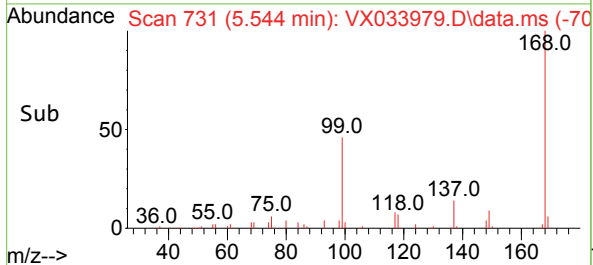
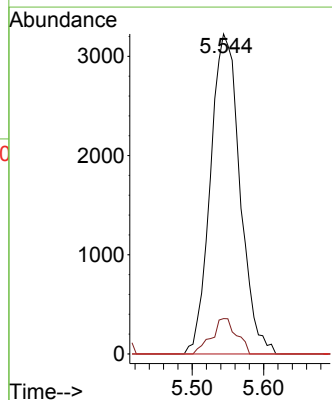
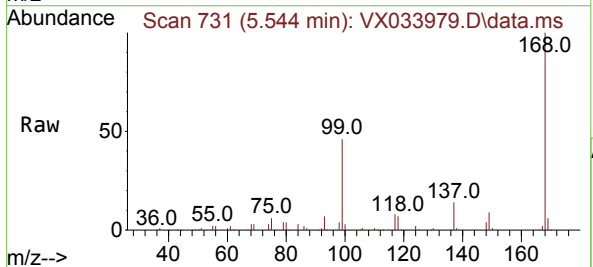
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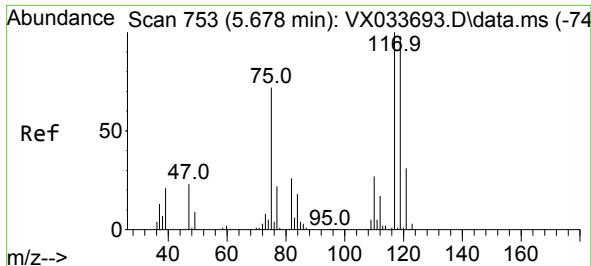
Tgt Ion:113 Resp: 70907
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 25.3 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

Tgt Ion: 75 Resp: 9266
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#

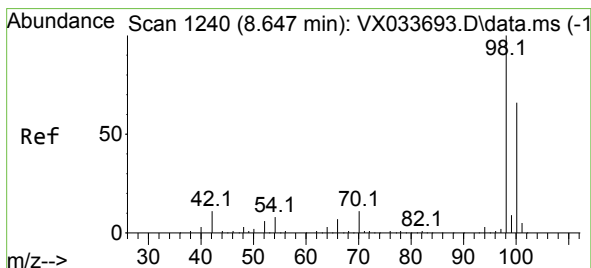
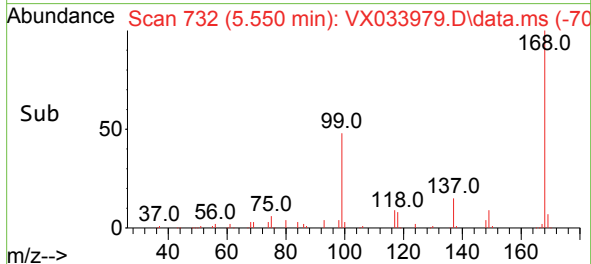
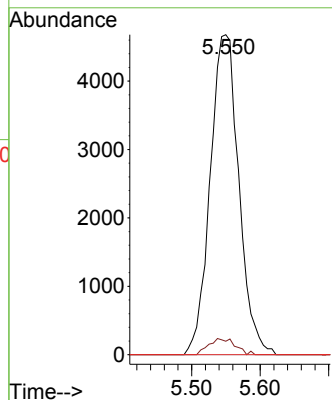
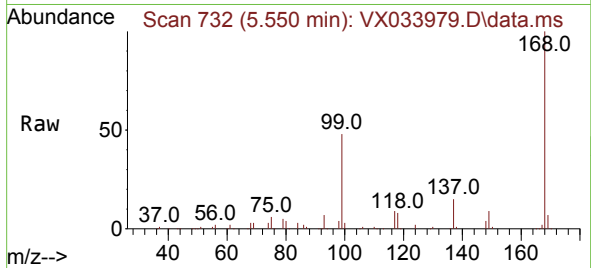




#38
Carbon Tetrachloride
Concen: 6.266 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

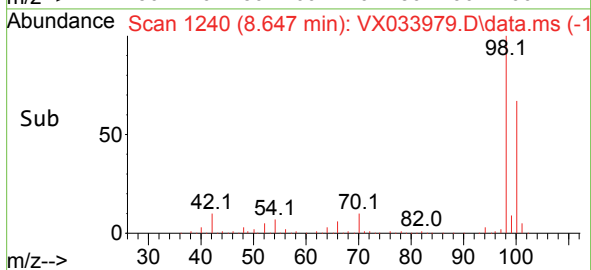
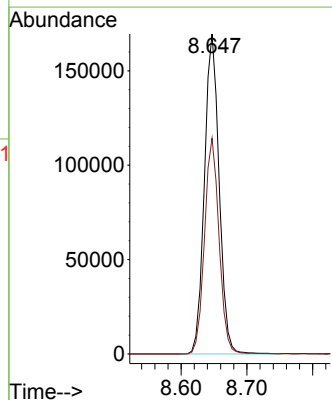
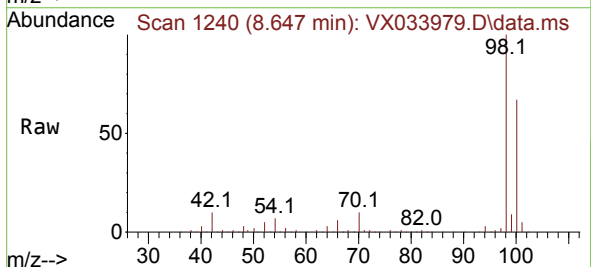
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

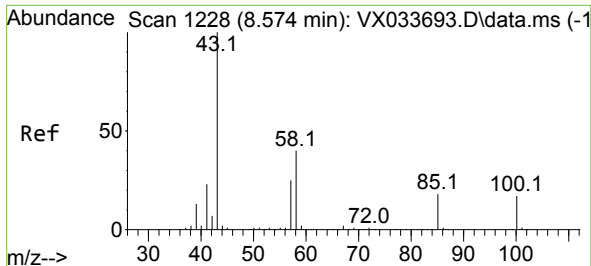
Tgt Ion:117 Resp: 13594
Ion Ratio Lower Upper
117 100
119 4.2 78.0 117.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.377 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

Tgt Ion: 98 Resp: 263426
Ion Ratio Lower Upper
98 100
100 66.8 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 0.480 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

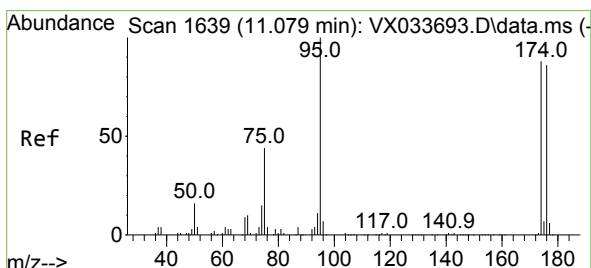
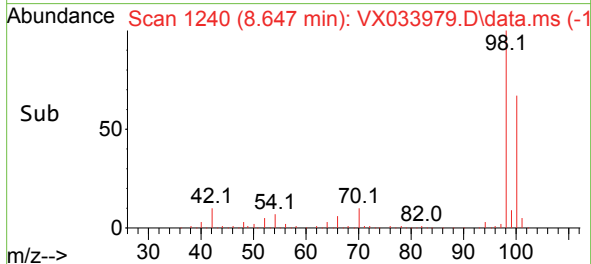
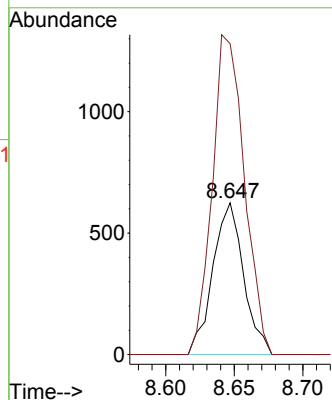
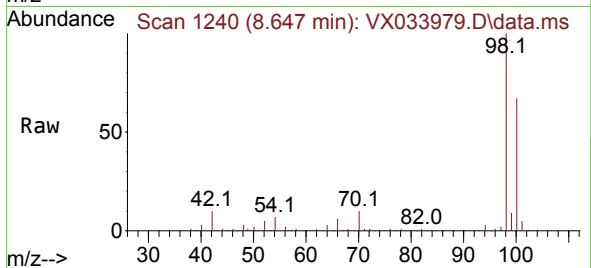
VX0201MBL01

Tgt Ion: 43 Resp: 975

Ion Ratio Lower Upper

43 100

58 220.0 31.2 46.8#



#62

4-Bromofluorobenzene

Concen: 48.100 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

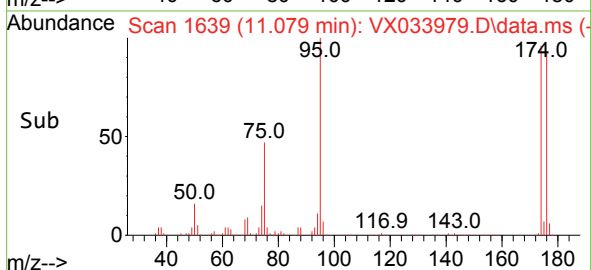
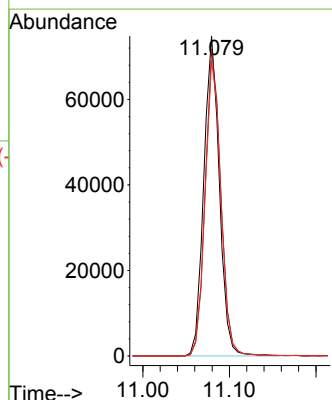
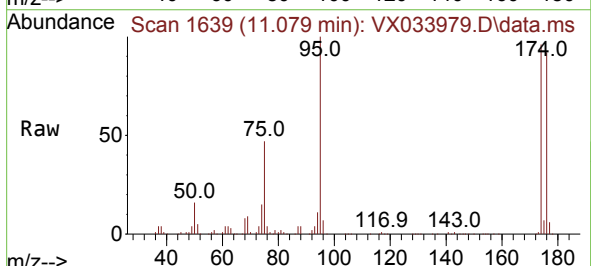
Tgt Ion: 95 Resp: 93385

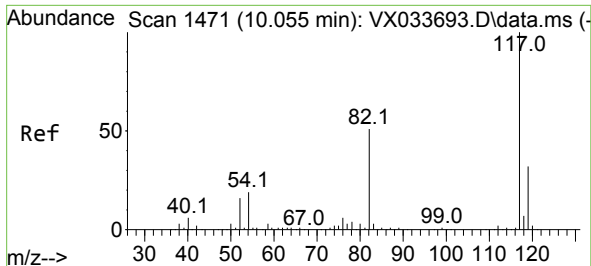
Ion Ratio Lower Upper

95 100

174 96.4 0.0 184.4

176 93.6 0.0 178.8

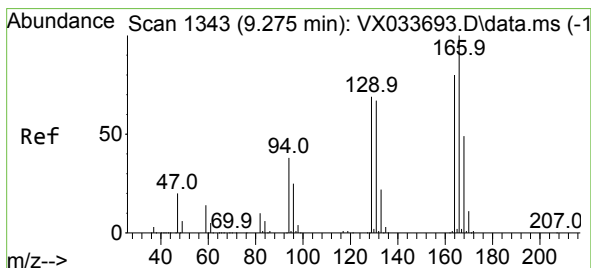
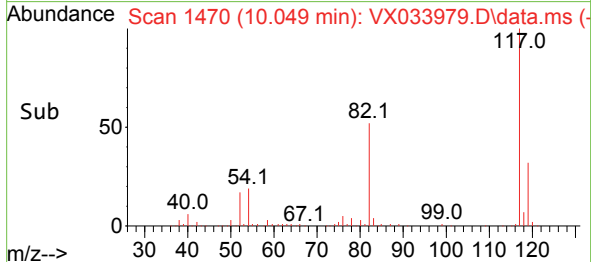
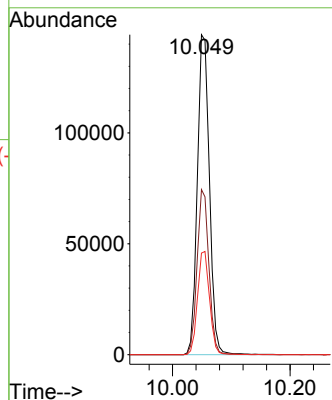
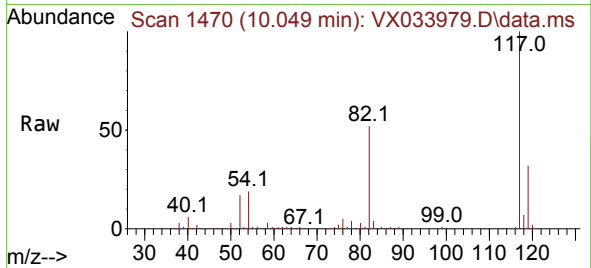




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

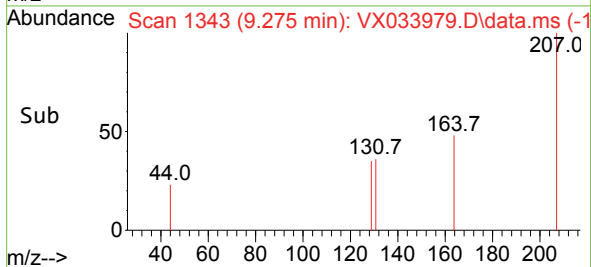
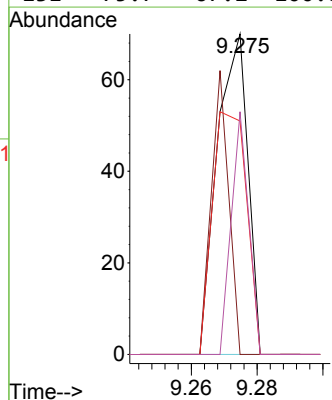
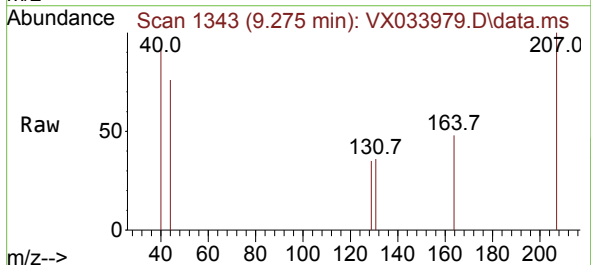
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

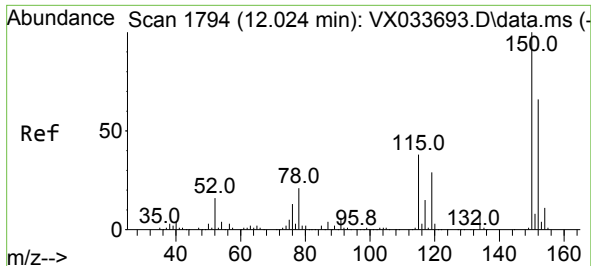
Tgt Ion:117 Resp: 205982
Ion Ratio Lower Upper
117 100
82 51.6 40.6 60.8
119 31.7 25.6 38.4



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

Tgt Ion:164 Resp: 45
Ion Ratio Lower Upper
164 100
166 0.0 100.2 150.2#
129 72.9 69.2 103.8
131 75.7 67.2 100.8

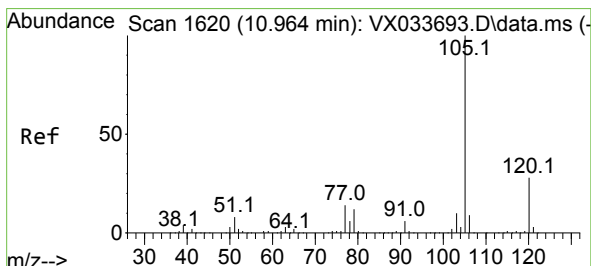
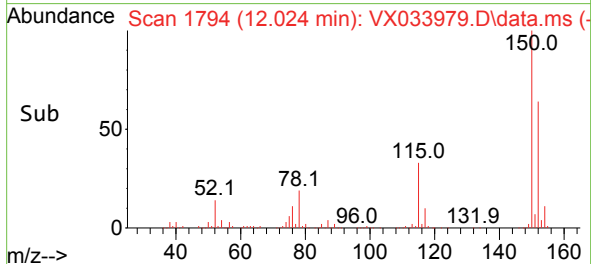
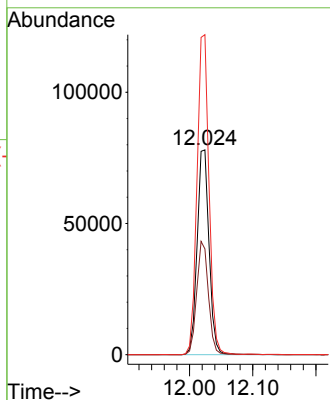
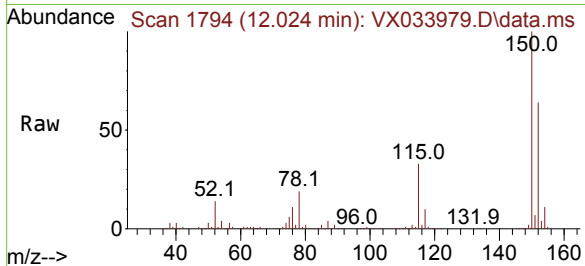




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

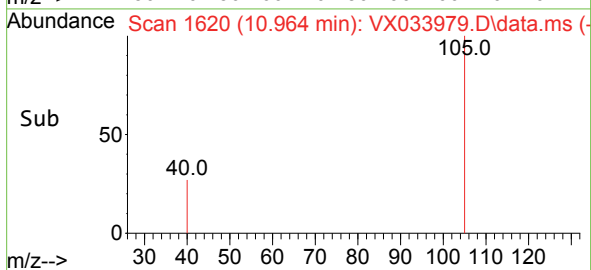
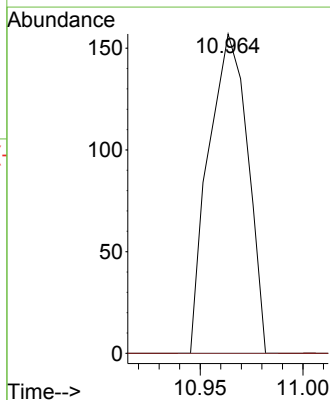
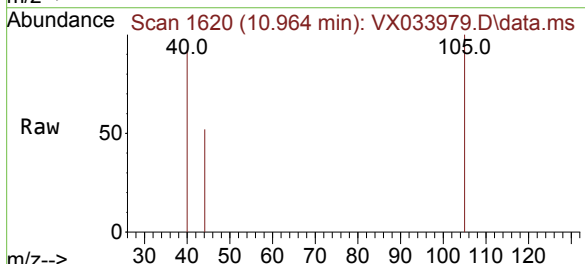
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

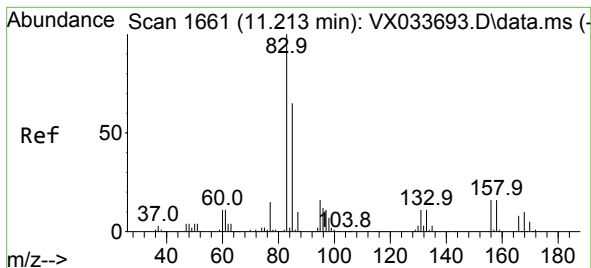
Tgt Ion:152 Resp: 102499
Ion Ratio Lower Upper
152 100
115 54.2 38.7 116.1
150 156.7 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 10.964 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

Tgt Ion:105 Resp: 208
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.079 min Scan# 1639

Delta R.T. -0.134 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0201MBL01

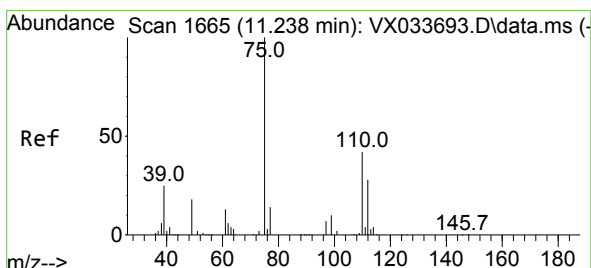
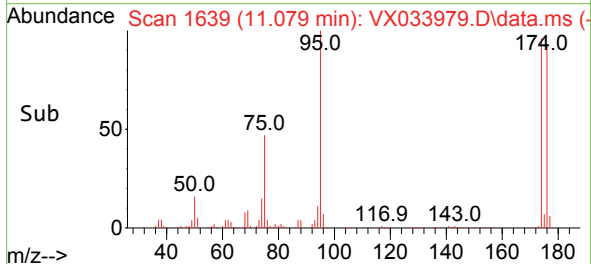
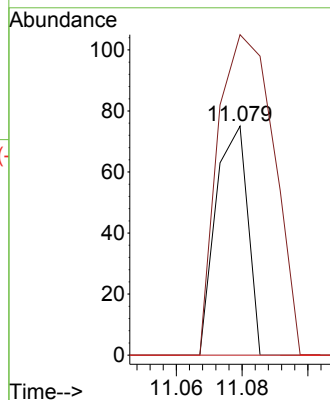
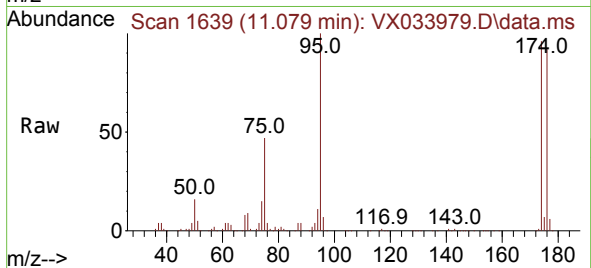
Tgt Ion: 83 Resp: 50

Ion Ratio Lower Upper

83 100

131 248.0 5.5 16.7#

85 0.0 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 22.762 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033979.D

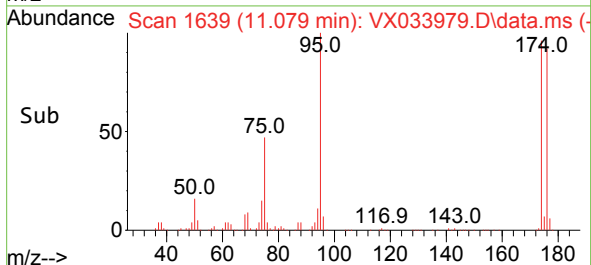
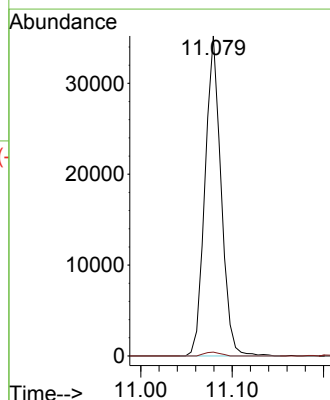
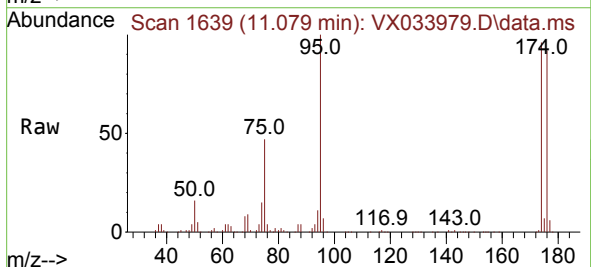
Acq: 01 Feb 2023 10:38

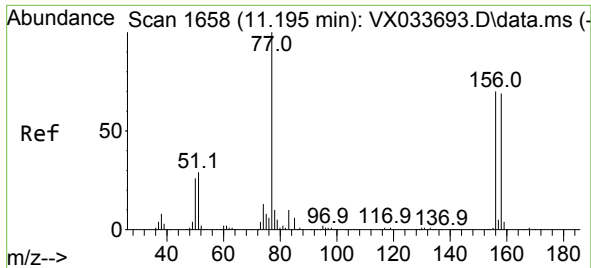
Tgt Ion: 75 Resp: 42867

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#

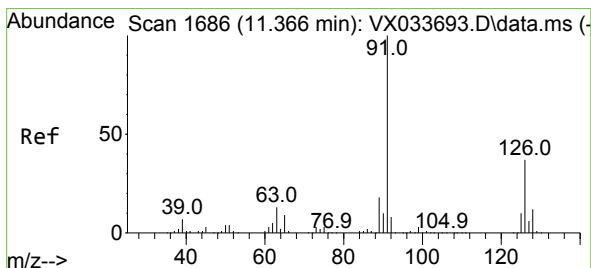
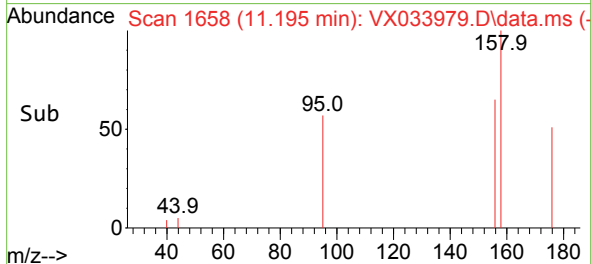
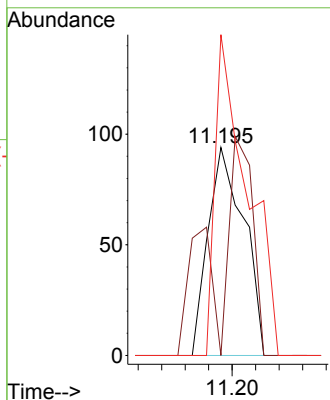
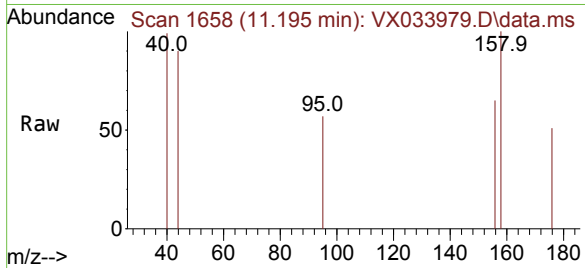




#77
Bromobenzene
Concen: Below Cal
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

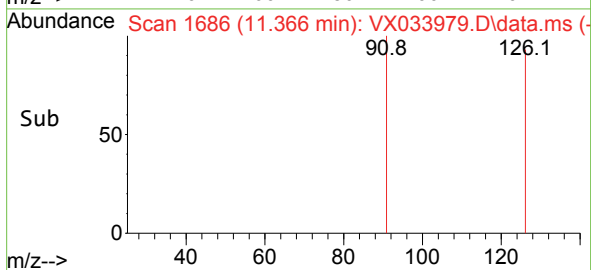
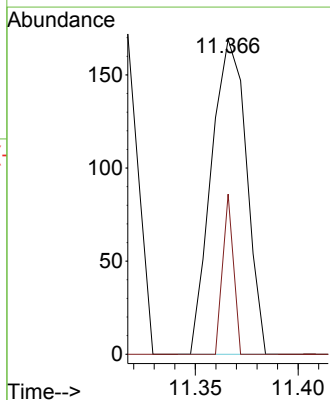
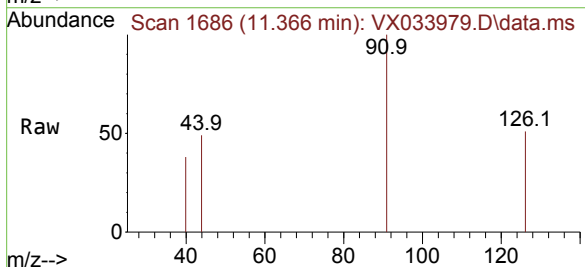
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

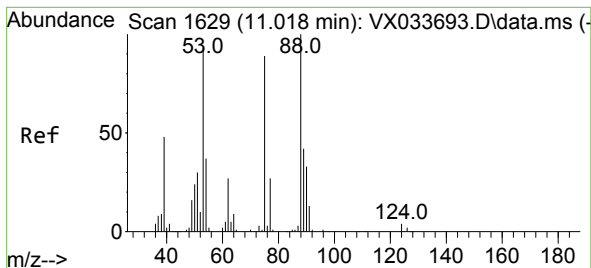
Tgt Ion:156 Resp: 99
Ion Ratio Lower Upper
156 100
77 109.1 68.1 204.3
158 139.4 48.0 144.2



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

Tgt Ion: 91 Resp: 200
Ion Ratio Lower Upper
91 100
126 15.5 18.1 54.1#

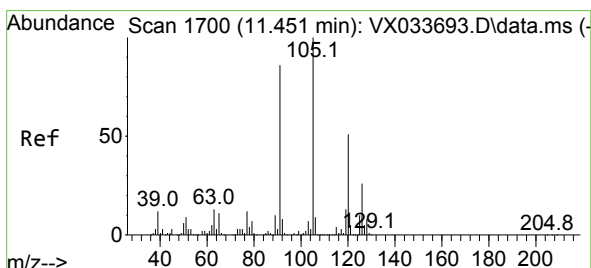
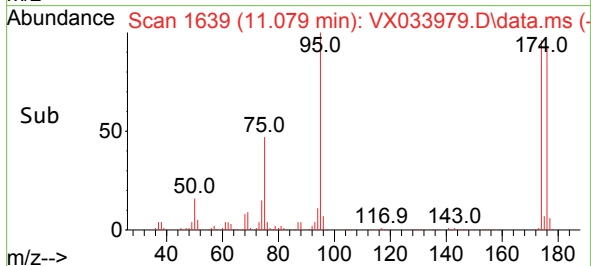
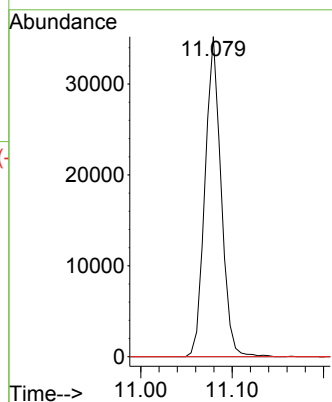
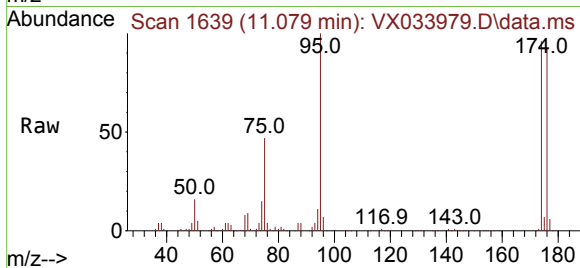




#81
trans-1,4-Dichloro-2-butene
Concen: 70.742 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

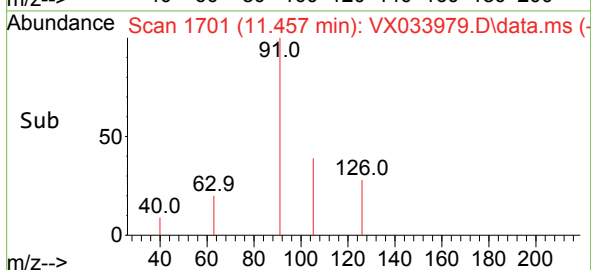
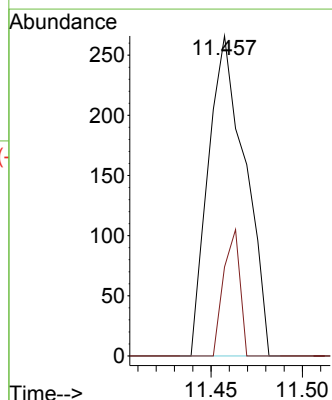
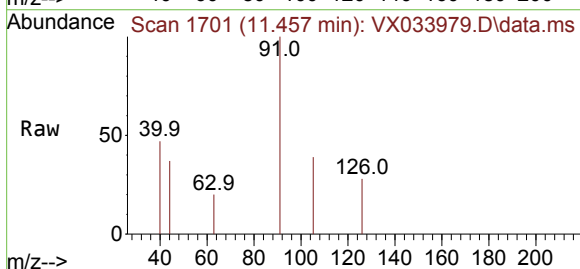
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

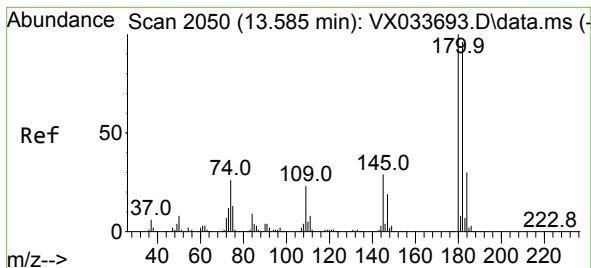
Tgt Ion: 75 Resp: 42867
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033979.D
Acq: 01 Feb 2023 10:38

Tgt Ion: 91 Resp: 373
Ion Ratio Lower Upper
91 100
126 17.4 15.8 47.4





#93

1,2,4-Trichlorobenzene

Concen: 0.261 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0201MBL01

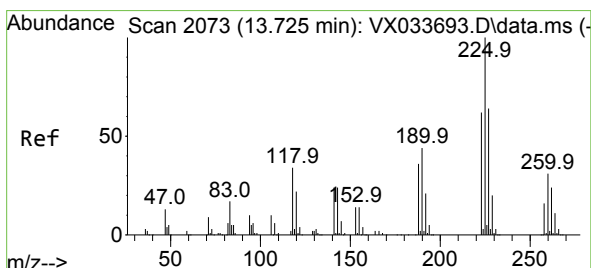
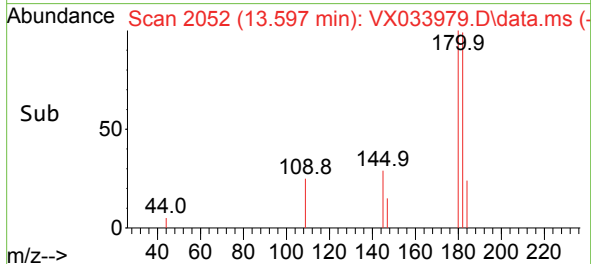
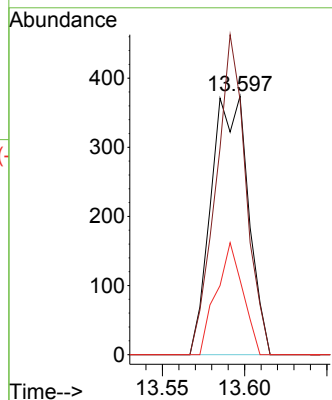
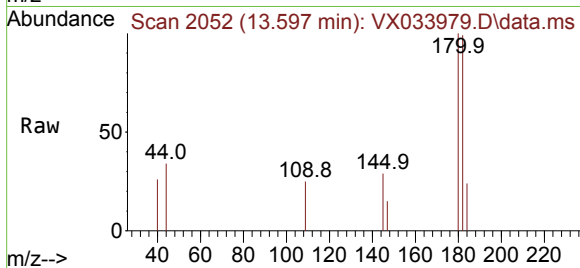
Tgt Ion:180 Resp: 587

Ion Ratio Lower Upper

180 100

182 99.7 47.9 143.6

145 30.7 14.1 42.2



#94

Hexachlorobutadiene

Concen: 0.654 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

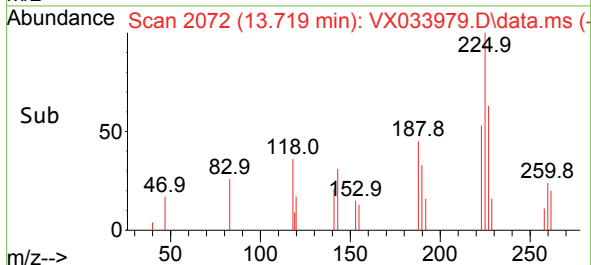
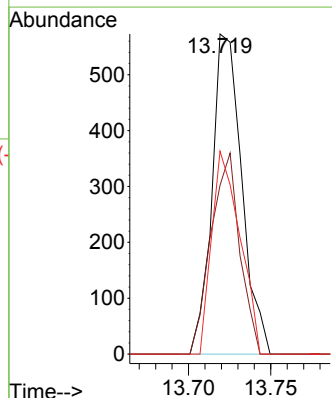
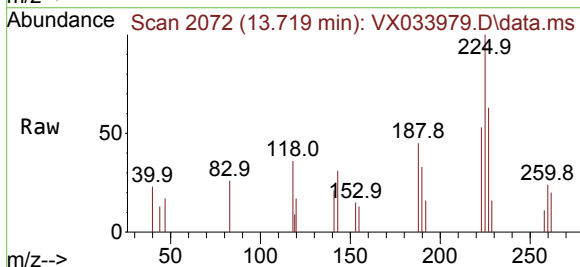
Tgt Ion:225 Resp: 721

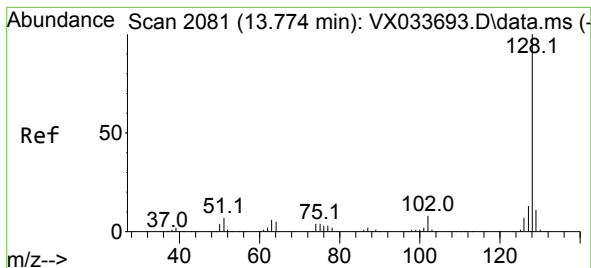
Ion Ratio Lower Upper

225 100

223 60.6 31.3 93.9

227 60.1 32.3 96.9





#95

Naphthalene

Concen: 0.345 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0201MBL01

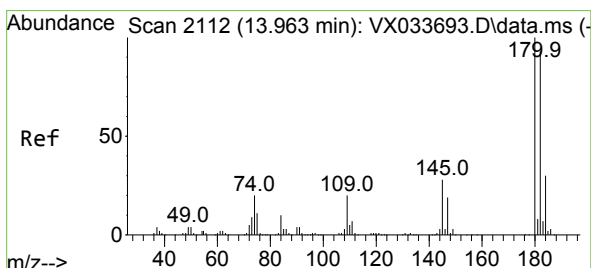
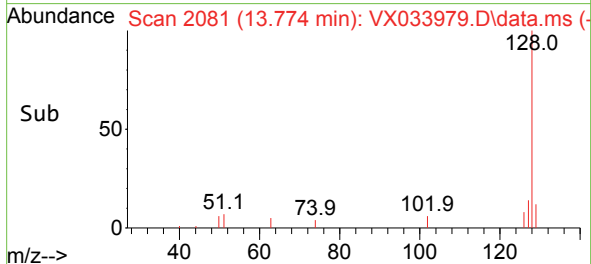
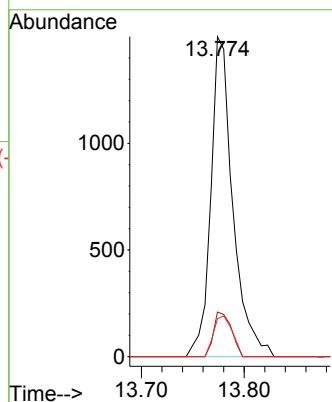
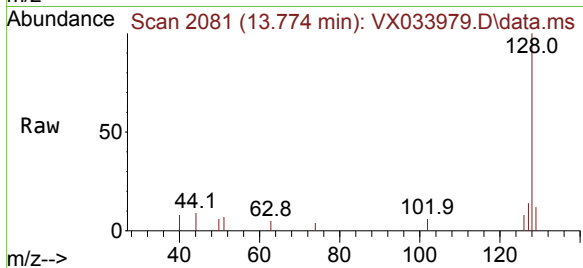
Tgt Ion:128 Resp: 2235

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

129 10.8 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.290 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX033979.D

Acq: 01 Feb 2023 10:38

Tgt Ion:180 Resp: 653

Ion Ratio Lower Upper

180 100

182 102.5 47.6 142.9

145 23.6 15.1 45.3

