

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012623\
 Data File : VX033903.D
 Acq On : 26 Jan 2023 12:04
 Operator : JC/MD
 Sample : VX0126MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0126MBL01

Quant Time: Jan 27 02:51:35 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)

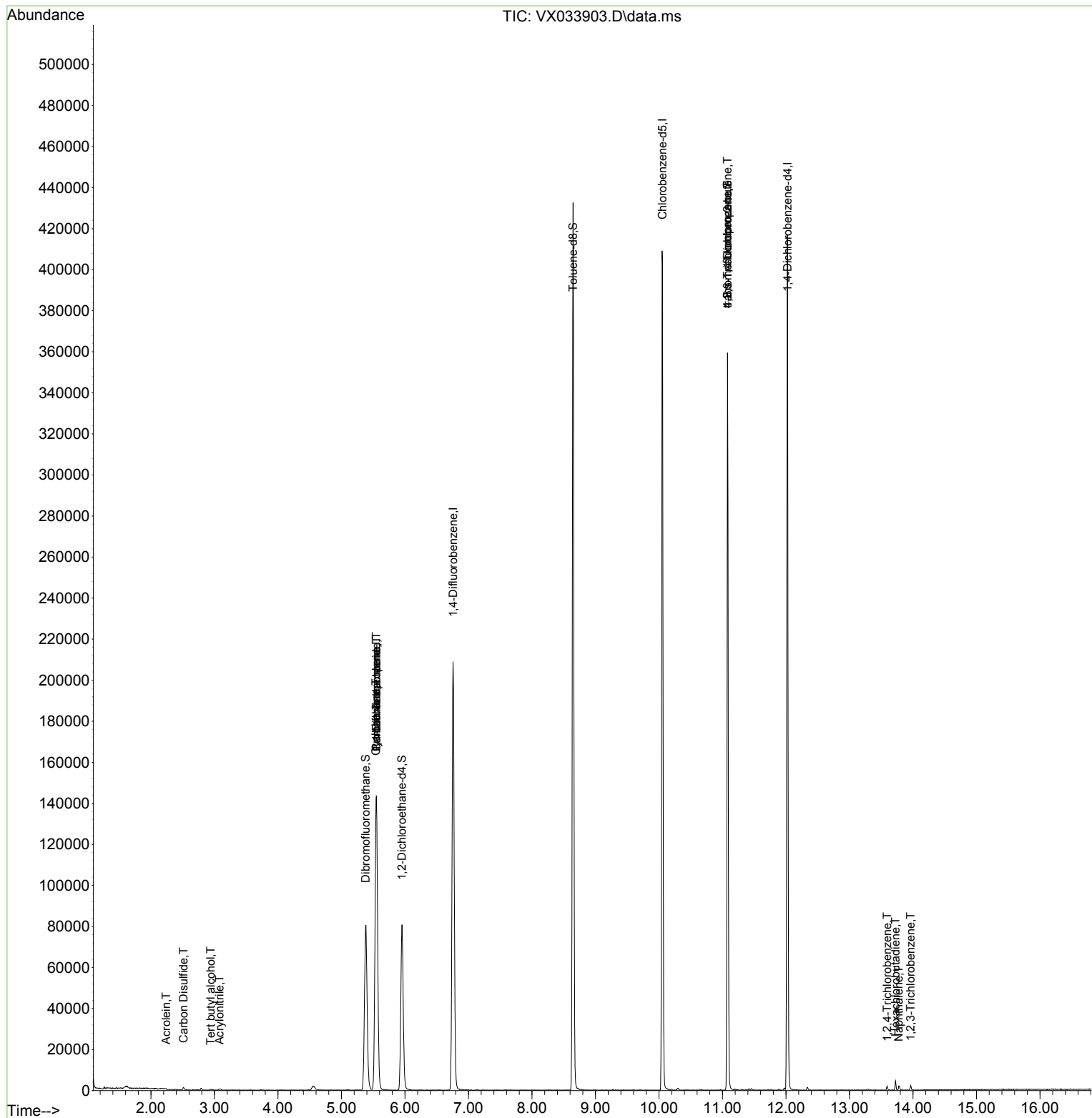
Internal Standards						
1) Pentafluorobenzene	5.550	168	159782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	230370	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75984	45.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.340%		
35) Dibromofluoromethane	5.379	113	70302	49.146	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.300%		
50) Toluene-d8	8.647	98	260026	49.890	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.780%		
62) 4-Bromofluorobenzene	11.079	95	90416	46.724	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.440%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	255	0.873	ug/l #	86
13) Acrolein	2.240	56	228	0.846	ug/l #	62
15) Acrylonitrile	3.081	53	287	0.373	ug/l #	68
16) Acetone	2.386	43	427	Below Cal	#	47
17) Carbon Disulfide	2.514	76	1489	2.258	ug/l	97
20) Methylene Chloride	2.794	84	451	Below Cal	#	65
31) Cyclohexane	5.544	56	2317	0.936	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9568	4.583	ug/l #	48
37) Ethyl Acetate	4.574	43	22	Below Cal	#	68
38) Carbon Tetrachloride	5.550	117	13648	6.312	ug/l #	15
64) Tetrachloroethene	9.275	164	97	Below Cal	#	60
73) Isopropylbenzene	10.964	105	196	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	11.220	83	65	Below Cal	#	26
76) 1,2,3-Trichloropropane	11.079	75	41877	22.833	ug/l #	34
77) Bromobenzene	11.201	156	119	Below Cal		57
79) 2-Chlorotoluene	11.366	91	213	Below Cal		92
81) trans-1,4-Dichloro-2-b...	11.079	75	41877	70.962	ug/l #	8
82) 4-Chlorotoluene	11.463	91	439	Below Cal		86
93) 1,2,4-Trichlorobenzene	13.591	180	788	0.359	ug/l	97
94) Hexachlorobutadiene	13.725	225	917	0.854	ug/l	86
95) Naphthalene	13.774	128	2050	0.325	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	827	0.377	ug/l	97

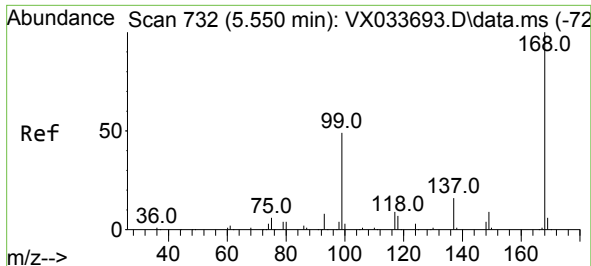
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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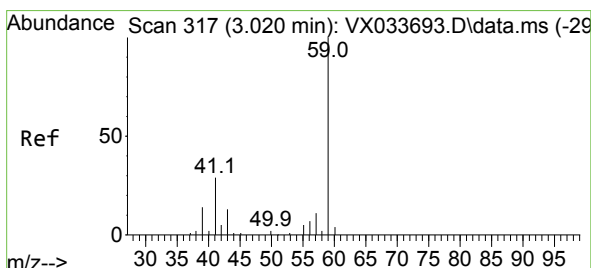
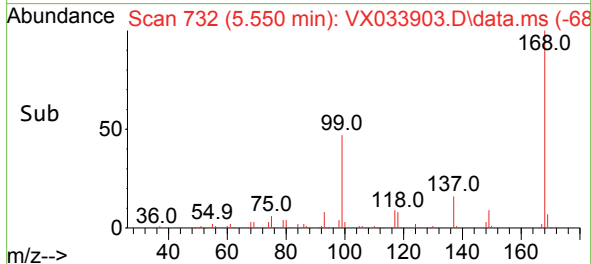
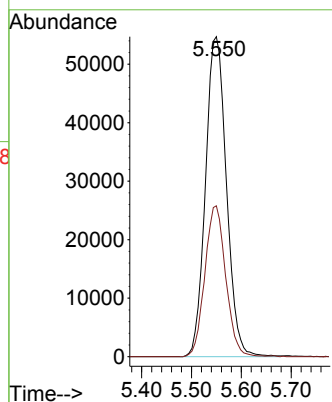
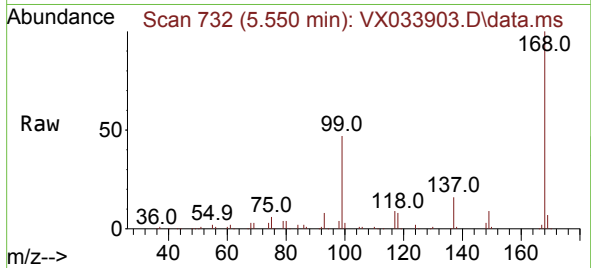




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

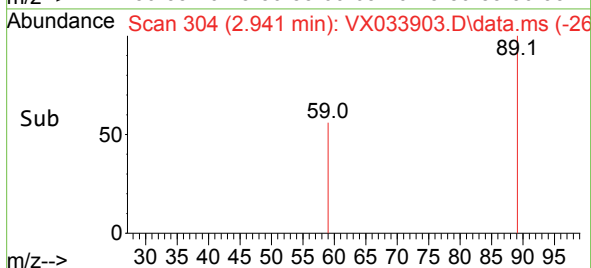
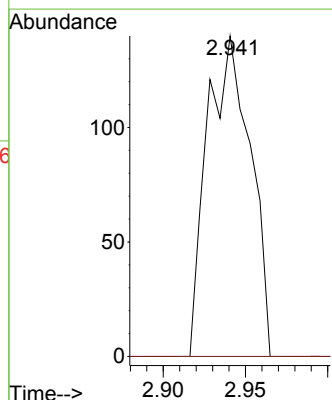
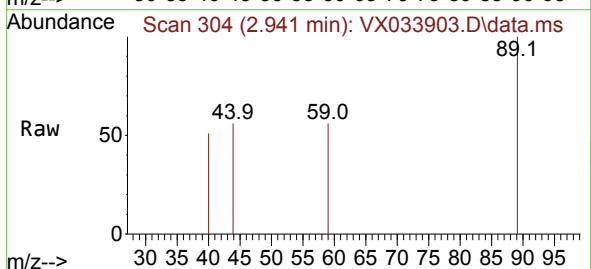
Instrument :
MSVOA_X
ClientSampleId :
VX0126MBL01

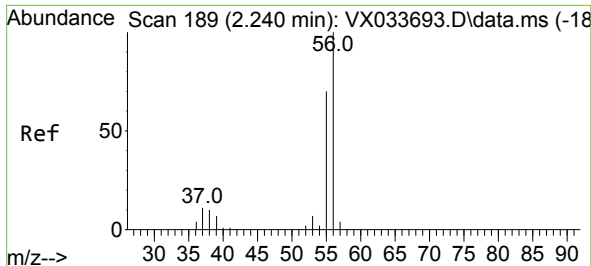
Tgt Ion:168 Resp: 159782
Ion Ratio Lower Upper
168 100
99 47.1 39.6 59.4



#11
Tert butyl alcohol
Concen: 0.873 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

Tgt Ion: 59 Resp: 255
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#





#13

Acrolein

Concen: 0.846 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033903.D

Acq: 26 Jan 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

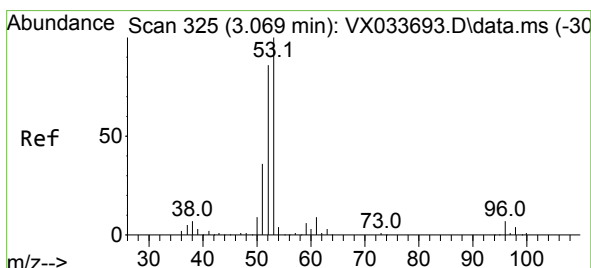
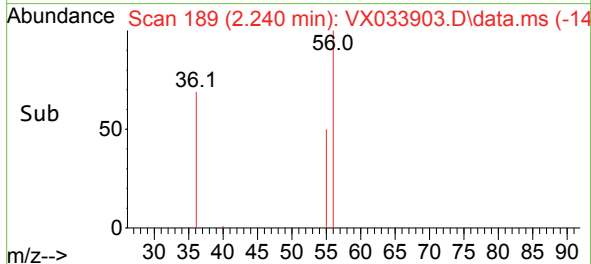
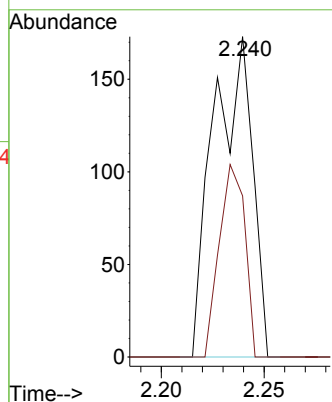
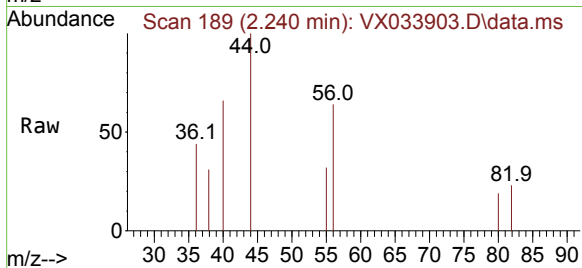
VX0126MBL01

Tgt Ion: 56 Resp: 228

Ion Ratio Lower Upper

56 100

55 39.5 56.3 84.5#



#15

Acrylonitrile

Concen: 0.373 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.012 min

Lab File: VX033903.D

Acq: 26 Jan 2023 12:04

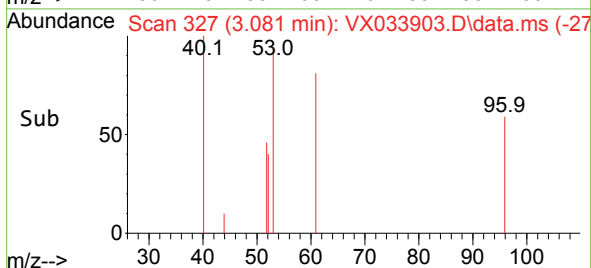
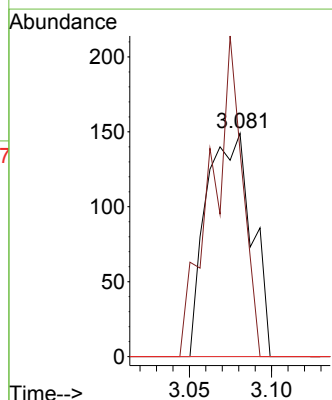
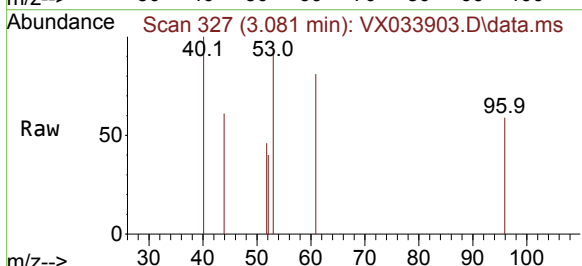
Tgt Ion: 53 Resp: 287

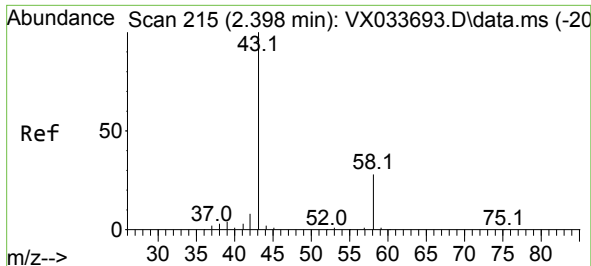
Ion Ratio Lower Upper

53 100

52 98.6 65.7 98.5#

51 0.0 29.0 43.4#

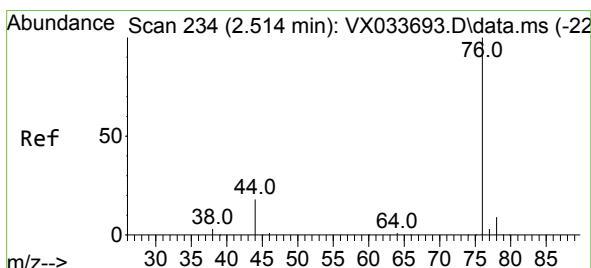
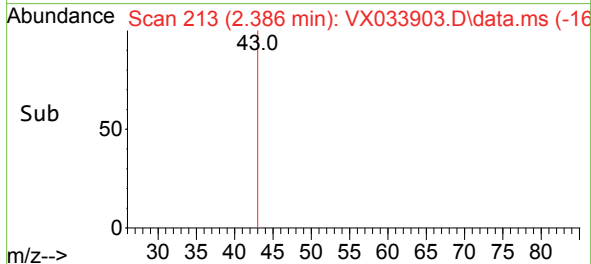
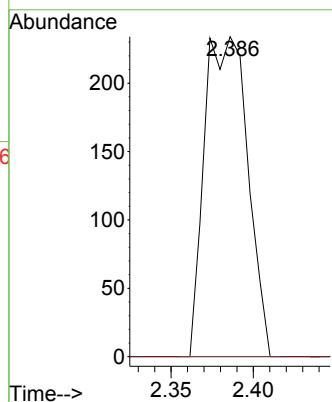
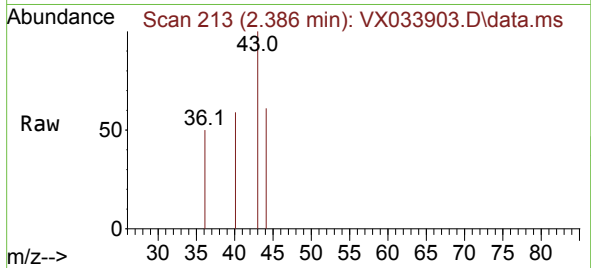




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

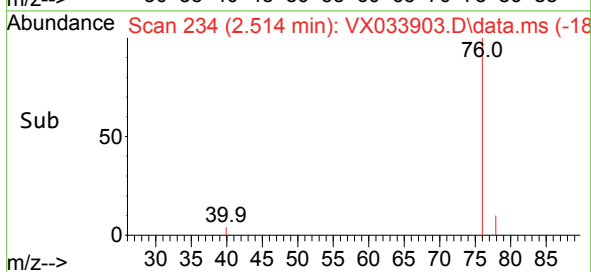
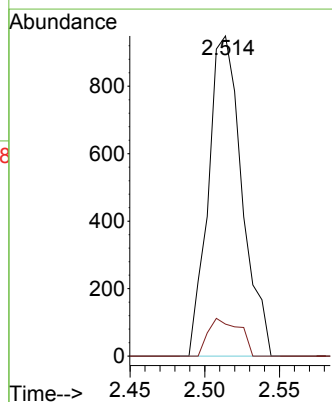
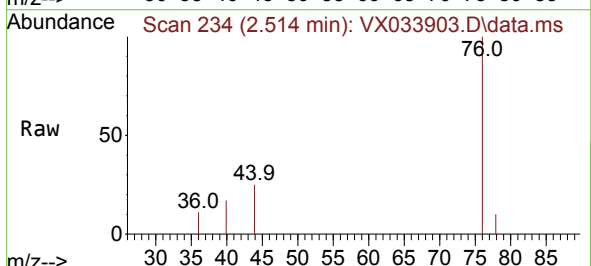
Instrument :
MSVOA_X
ClientSampleId :
VX0126MBL01

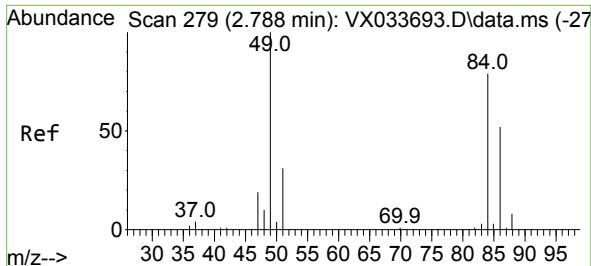
Tgt Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



#17
Carbon Disulfide
Concen: 2.258 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

Tgt Ion: 76 Resp: 1489
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.6





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX033903.D

Acq: 26 Jan 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0126MBL01

Tgt Ion: 84 Resp: 451

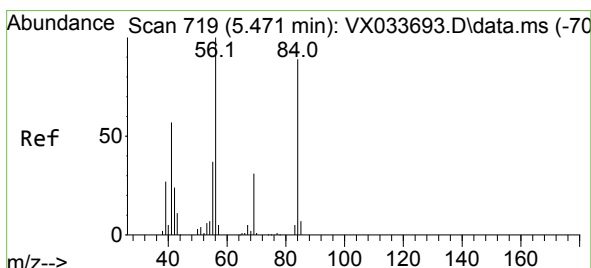
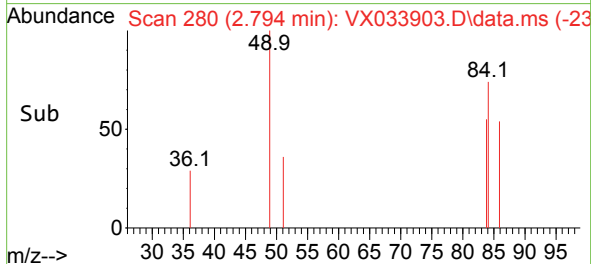
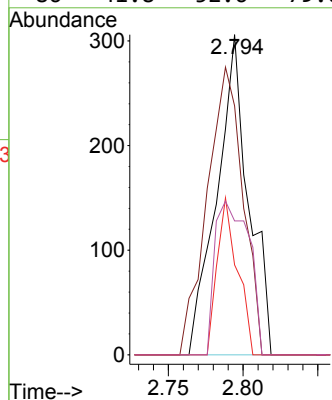
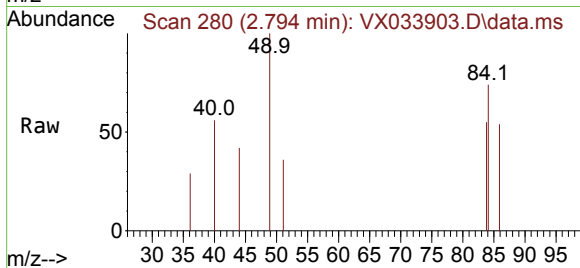
Ion Ratio Lower Upper

84 100

49 77.8 101.1 151.7#

51 28.1 31.0 46.6#

86 41.8 52.6 79.0#



#31

Cyclohexane

Concen: 0.936 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033903.D

Acq: 26 Jan 2023 12:04

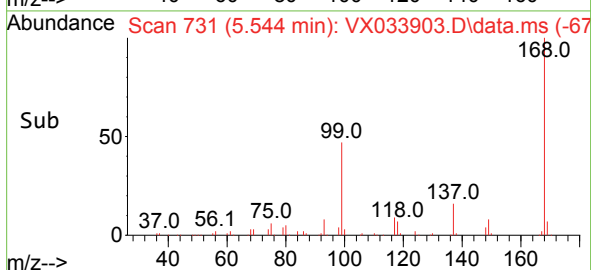
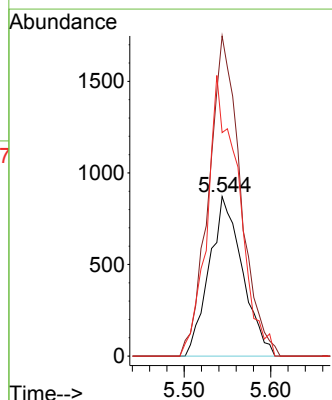
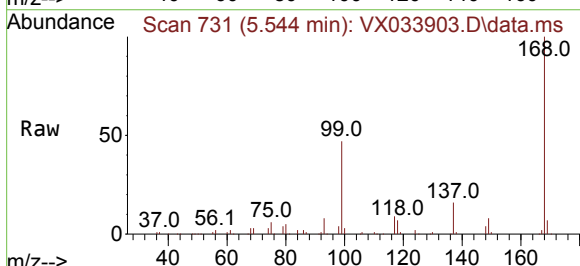
Tgt Ion: 56 Resp: 2317

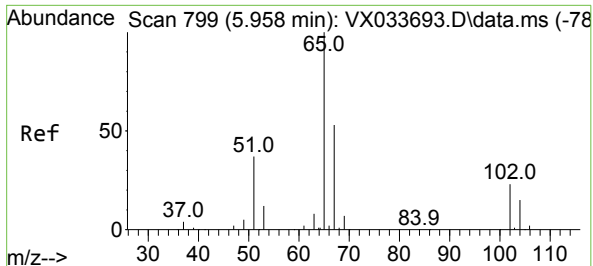
Ion Ratio Lower Upper

56 100

69 200.7 24.6 37.0#

84 140.1 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.165 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033903.D

Acq: 26 Jan 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

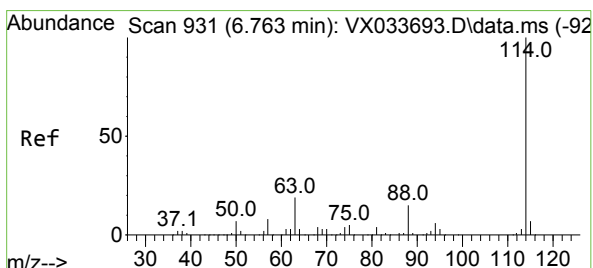
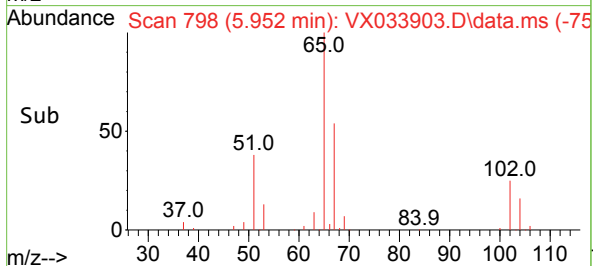
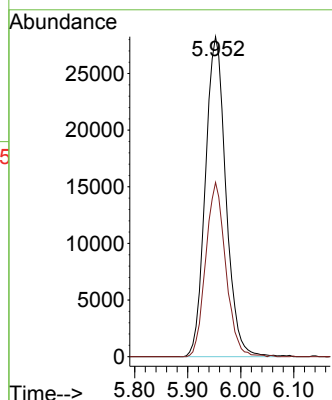
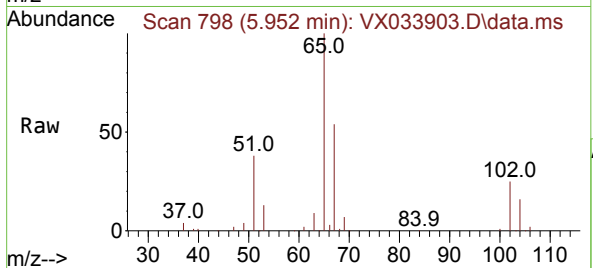
VX0126MBL01

Tgt Ion: 65 Resp: 75984

Ion Ratio Lower Upper

65 100

67 53.1 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: VX033903.D

Acq: 26 Jan 2023 12:04

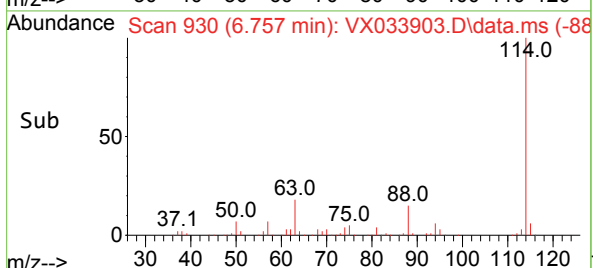
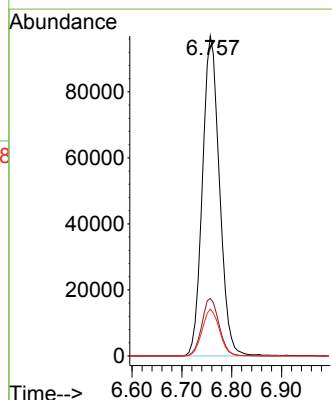
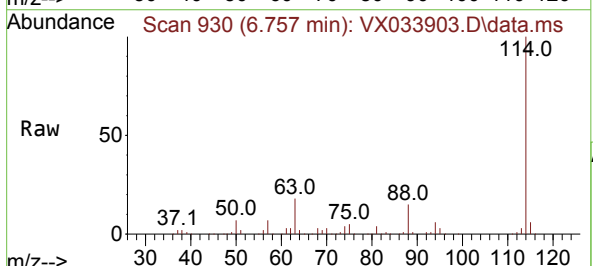
Tgt Ion: 114 Resp: 230370

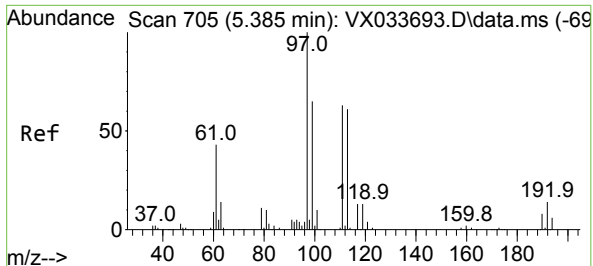
Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.4

88 14.6 0.0 30.6

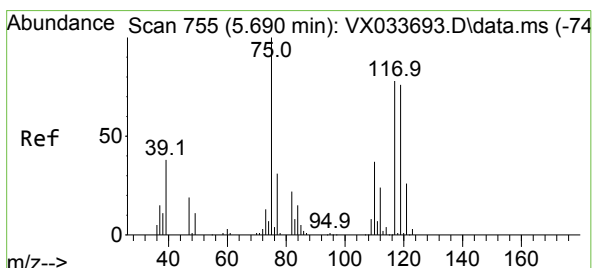
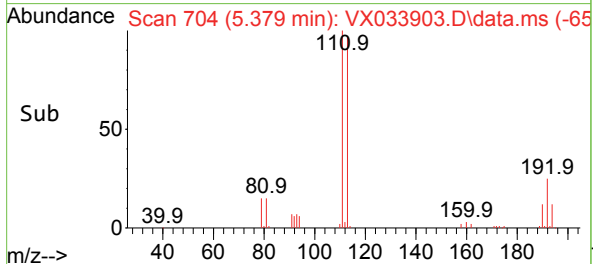
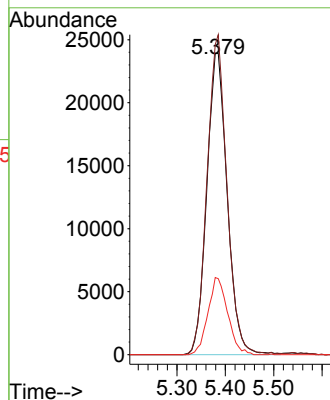
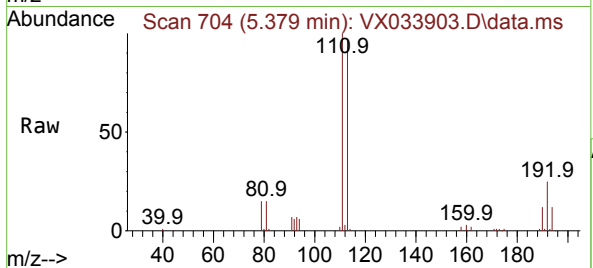




#35
Dibromofluoromethane
Concen: 49.146 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

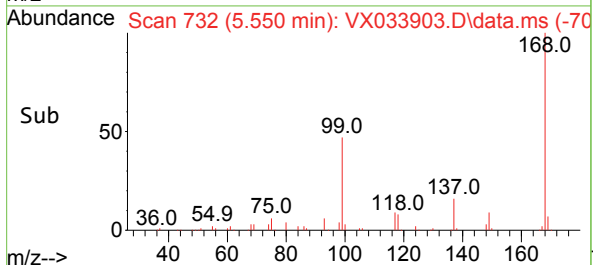
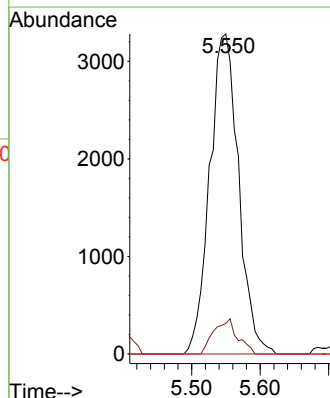
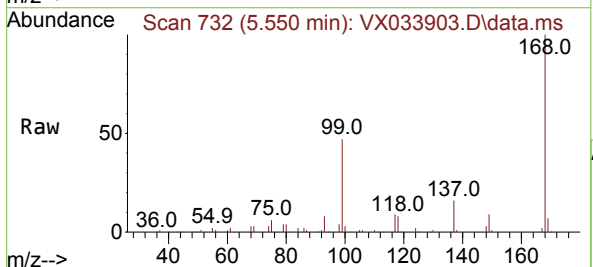
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VX0126MBL01

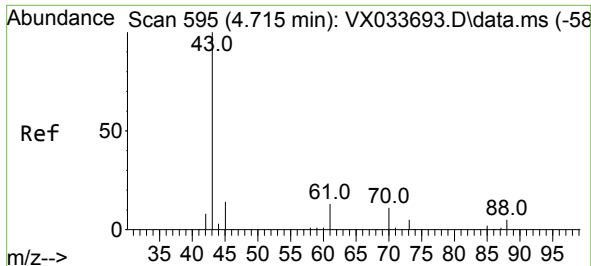
Tgt Ion:113 Resp: 70302
Ion Ratio Lower Upper
113 100
111 103.1 83.0 124.6
192 24.7 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.583 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

Tgt Ion: 75 Resp: 9568
Ion Ratio Lower Upper
75 100
110 9.0 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.574 min Scan# 51

Delta R.T. -0.141 min

Lab File: VX033903.D

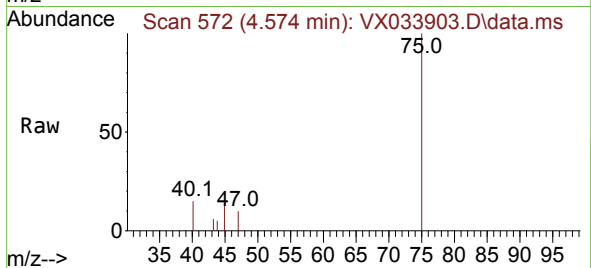
Acq: 26 Jan 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0126MBL01



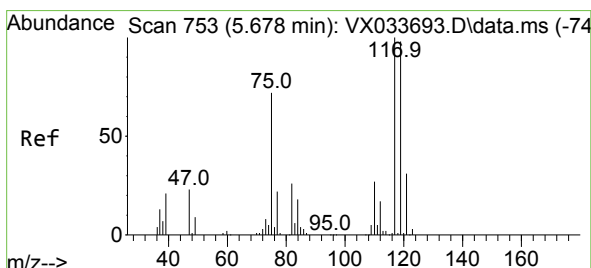
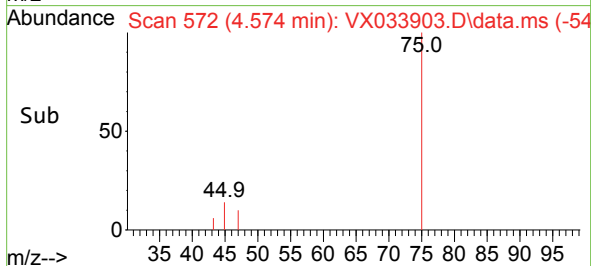
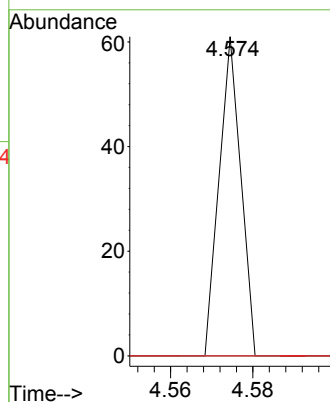
Tgt Ion: 43 Resp: 22

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.312 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033903.D

Acq: 26 Jan 2023 12:04

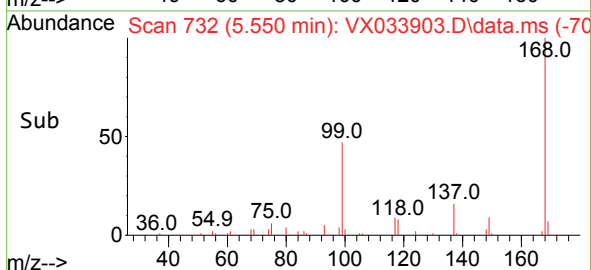
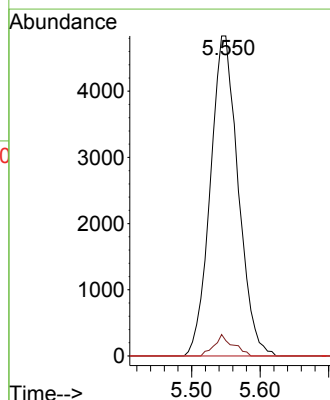
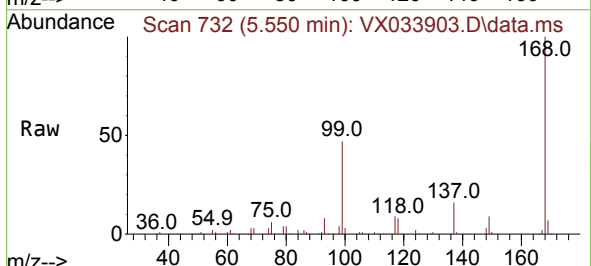
Tgt Ion: 117 Resp: 13648

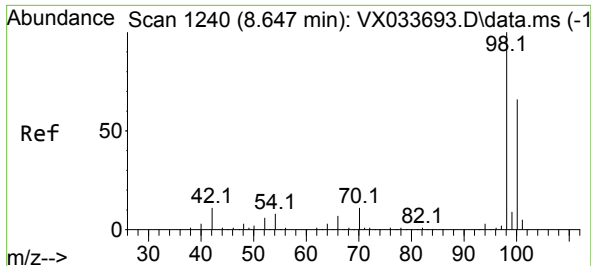
Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

121 0.0 24.4 36.6#

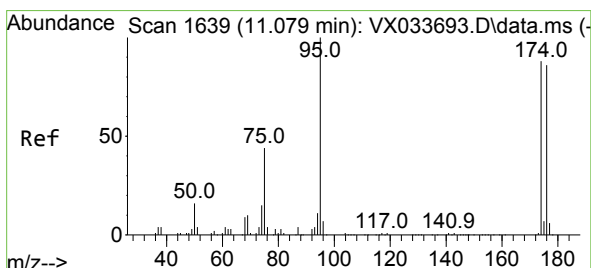
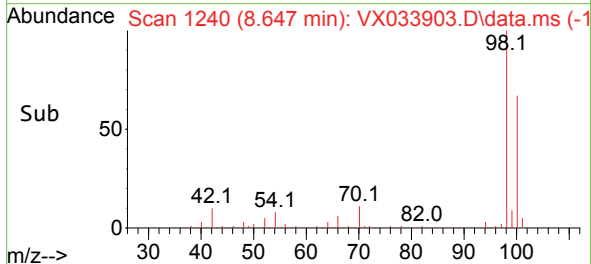
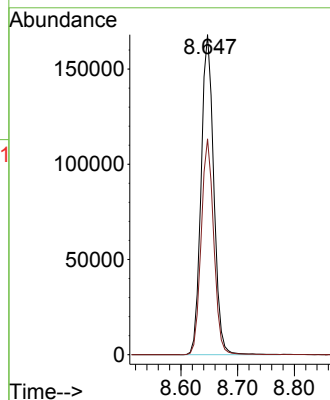
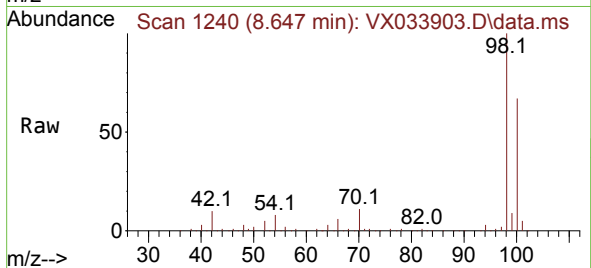




#50
Toluene-d8
Concen: 49.890 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

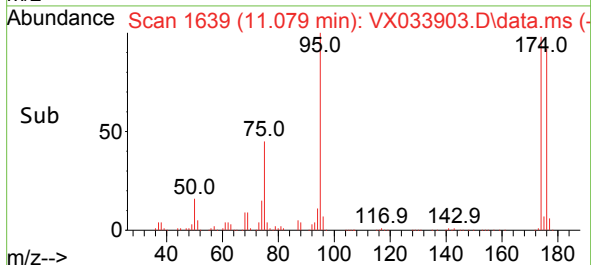
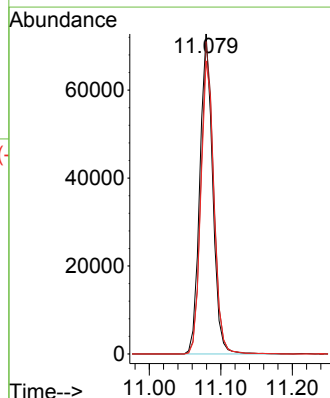
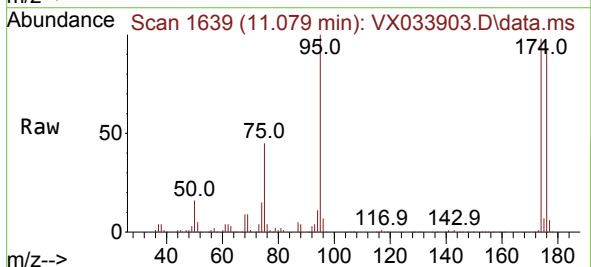
Instrument :
MSVOA_X
ClientSampleId :
VX0126MBL01

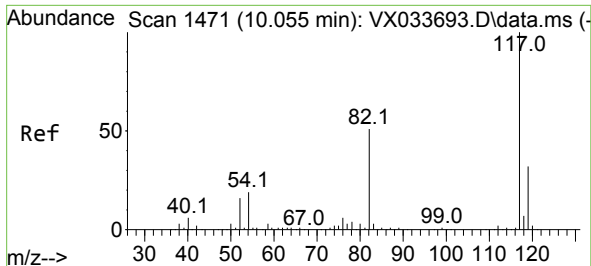
Tgt Ion: 98 Resp: 260026
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 46.724 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

Tgt Ion: 95 Resp: 90416
Ion Ratio Lower Upper
95 100
174 97.5 0.0 184.4
176 93.7 0.0 178.8

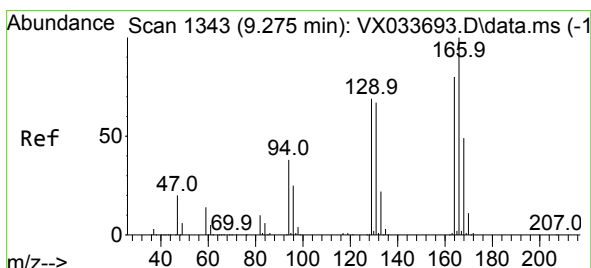
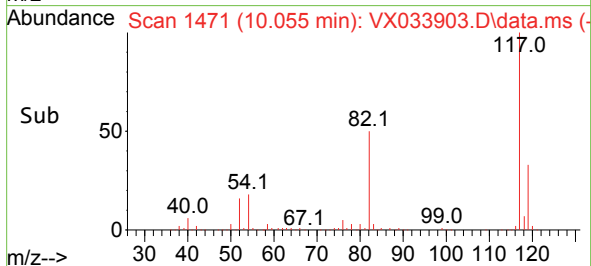
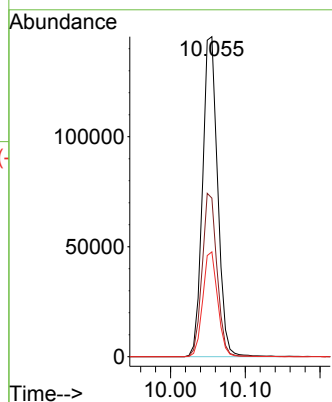
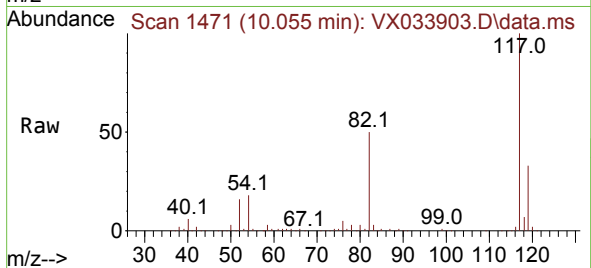




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

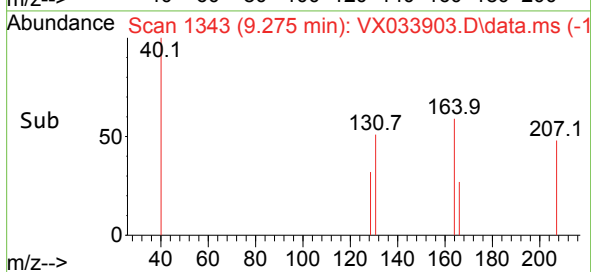
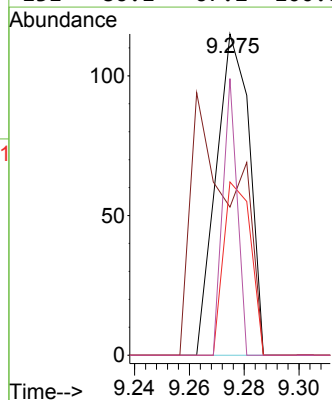
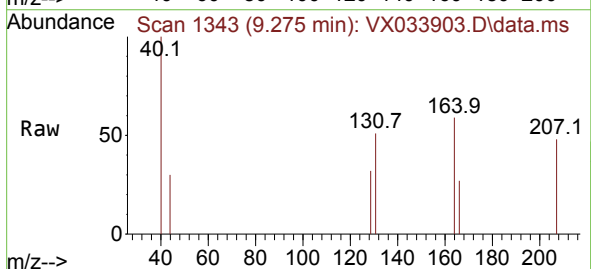
Instrument :
MSVOA_X
ClientSampleId :
VX0126MBL01

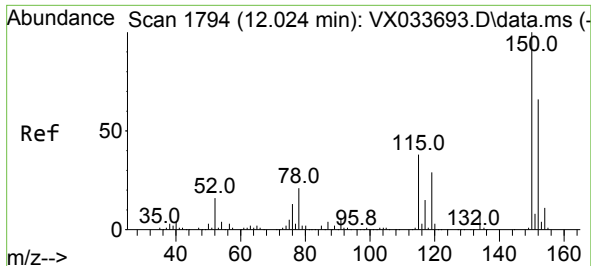
Tgt Ion:117 Resp: 204111
Ion Ratio Lower Upper
117 100
82 49.6 40.6 60.8
119 32.7 25.6 38.4



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

Tgt Ion:164 Resp: 97
Ion Ratio Lower Upper
164 100
166 46.1 100.2 150.2#
129 53.9 69.2 103.8#
131 86.1 67.2 100.8

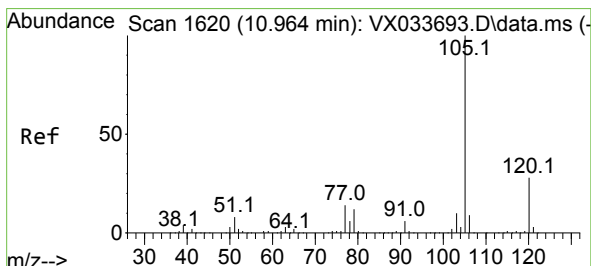
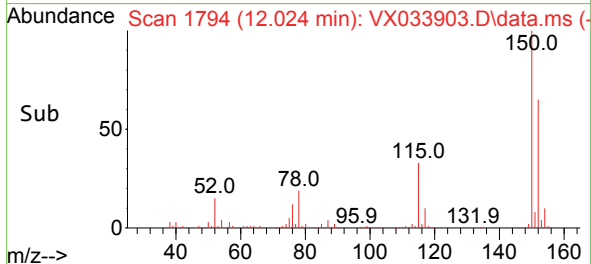
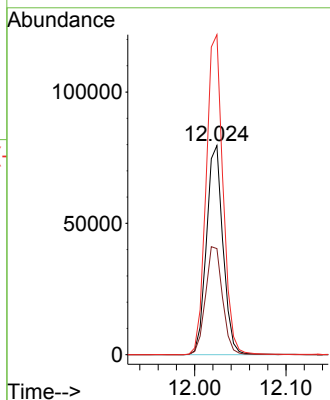
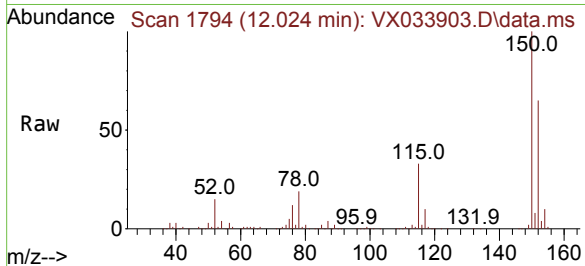




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

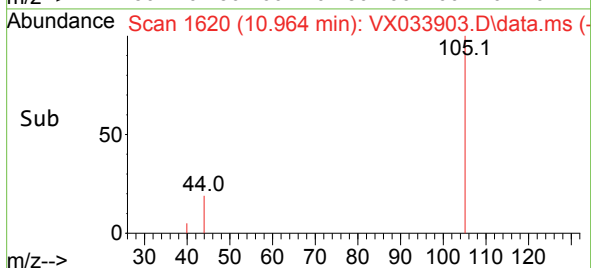
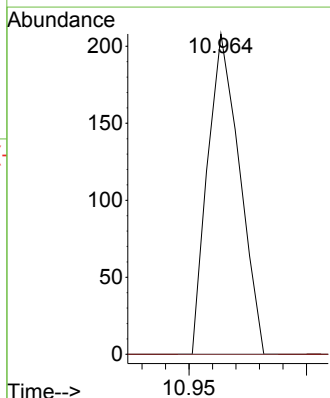
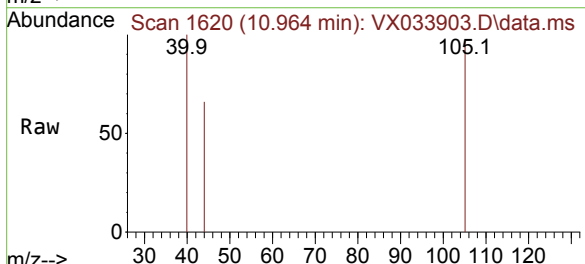
Instrument :
MSVOA_X
ClientSampleId :
VX0126MBL01

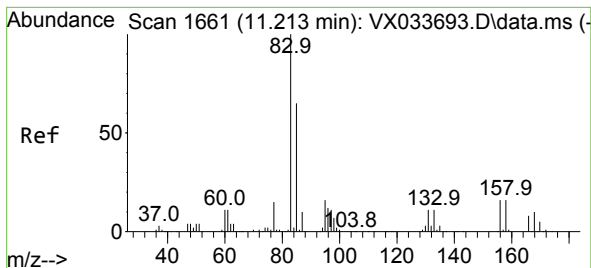
Tgt Ion:152 Resp: 99821
Ion Ratio Lower Upper
152 100
115 53.2 38.7 116.1
150 156.0 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 10.964 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

Tgt Ion:105 Resp: 196
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.220 min Scan# 1

Delta R.T. 0.007 min

Lab File: VX033903.D

Acq: 26 Jan 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0126MBL01

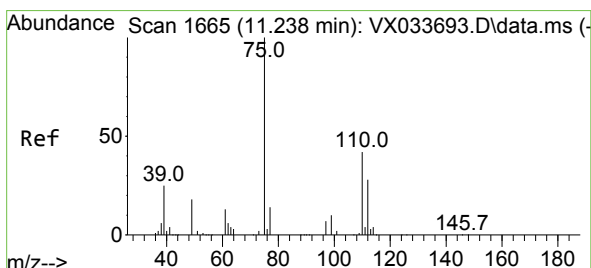
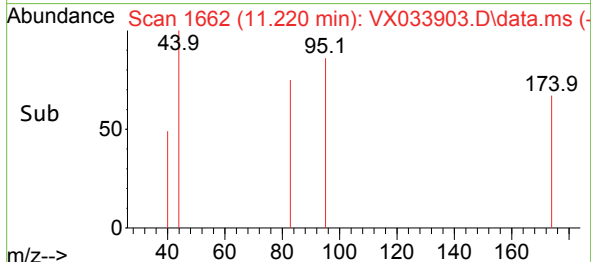
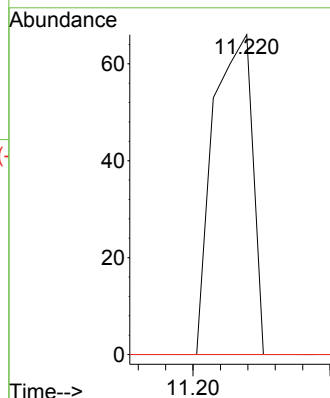
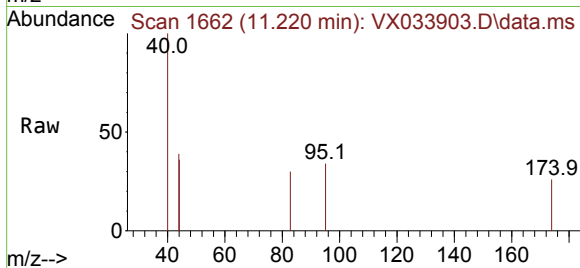
Tgt Ion: 83 Resp: 65

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 0.0 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 22.833 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033903.D

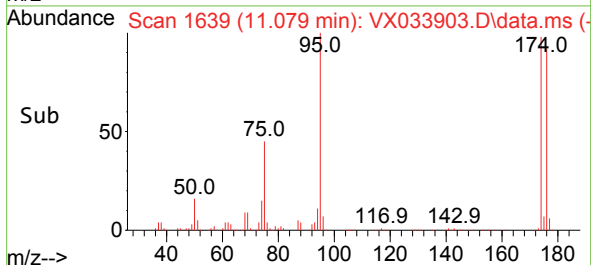
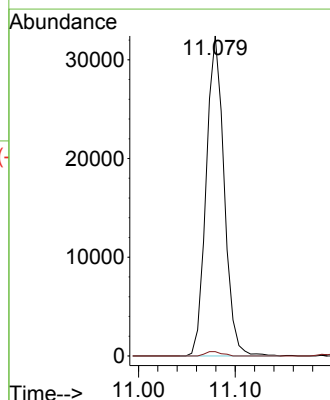
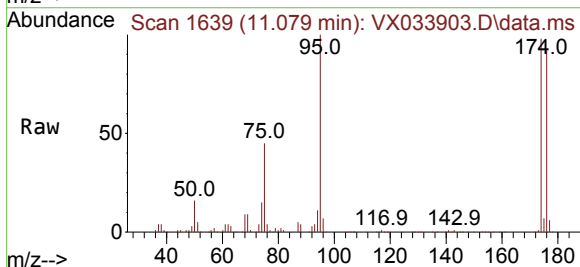
Acq: 26 Jan 2023 12:04

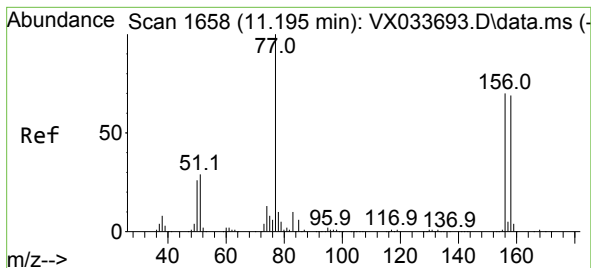
Tgt Ion: 75 Resp: 41877

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.4#





#77

Bromobenzene

Concen: Below Cal

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX033903.D

Acq: 26 Jan 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0126MBL01

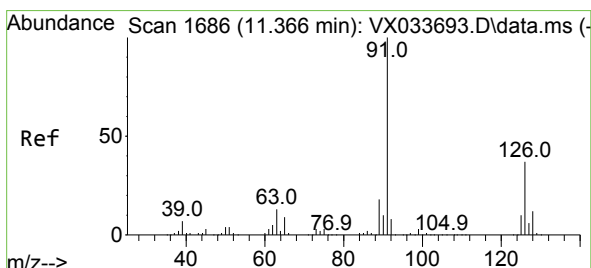
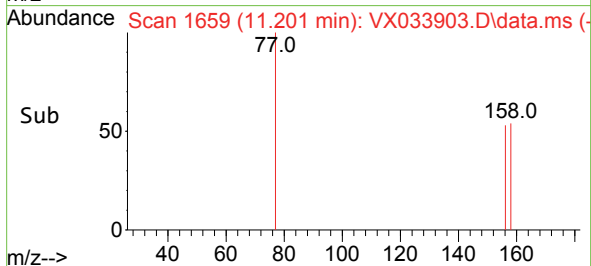
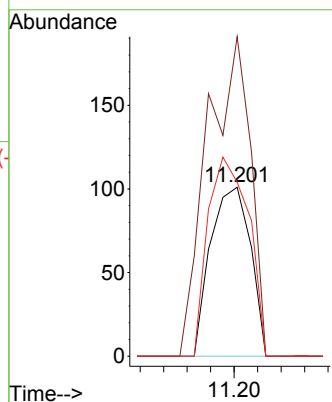
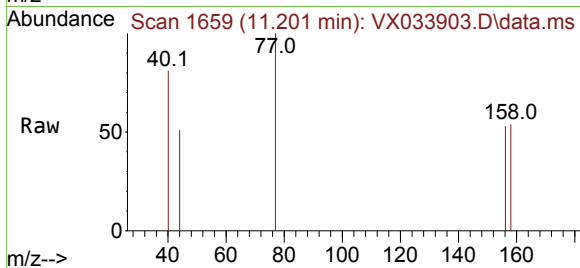
Tgt Ion:156 Resp: 119

Ion Ratio Lower Upper

156 100

77 203.4 68.1 204.3

158 120.2 48.0 144.2



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.366 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VX033903.D

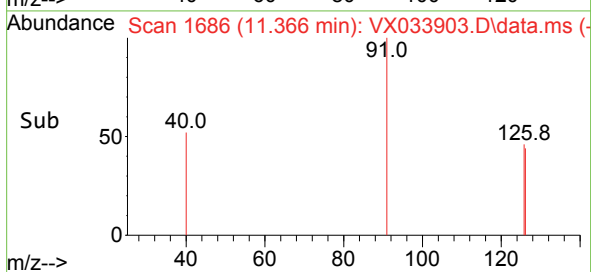
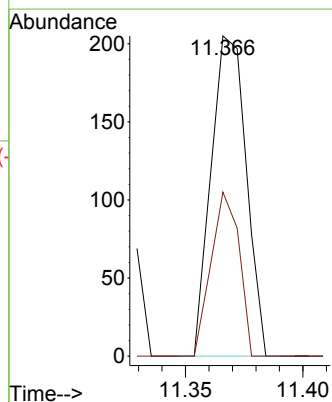
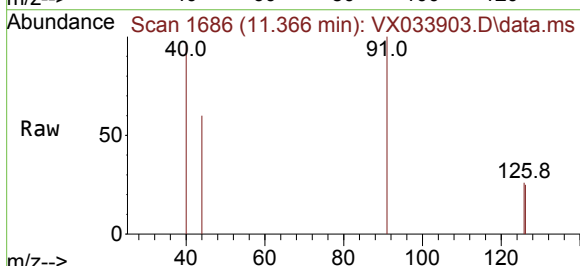
Acq: 26 Jan 2023 12:04

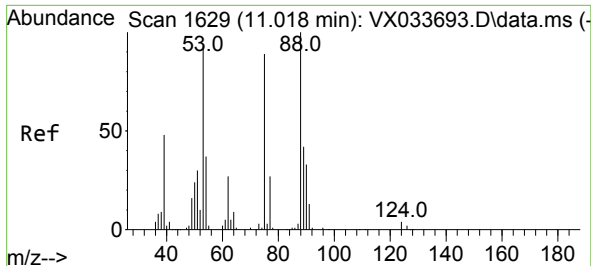
Tgt Ion: 91 Resp: 213

Ion Ratio Lower Upper

91 100

126 40.8 18.1 54.1

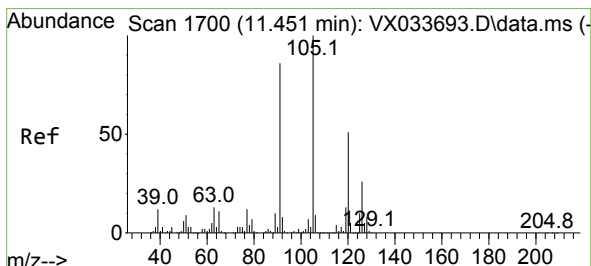
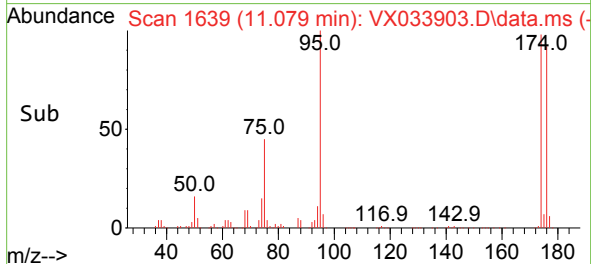
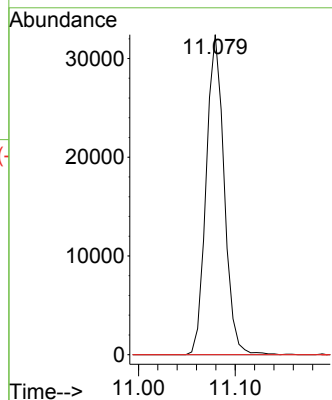
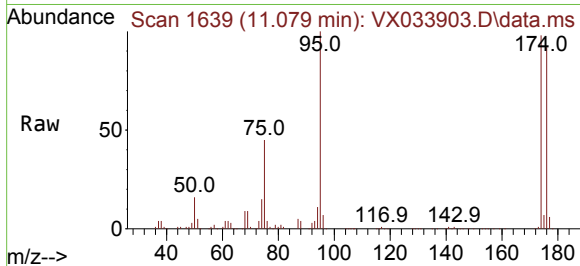




#81
trans-1,4-Dichloro-2-butene
Concen: 70.962 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

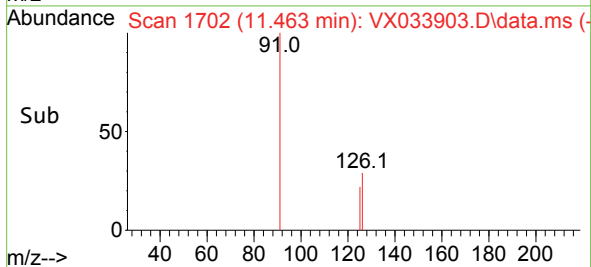
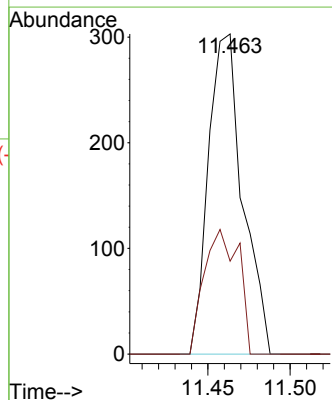
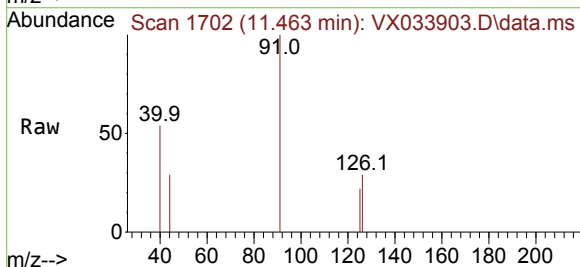
Instrument :
MSVOA_X
ClientSampleId :
VX0126MBL01

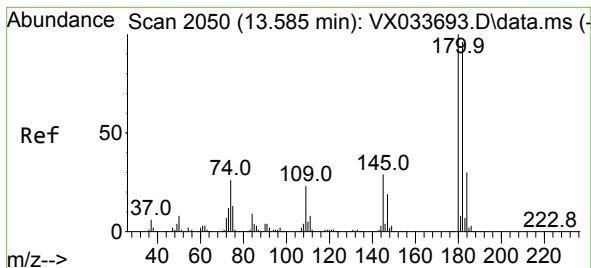
Tgt Ion: 75 Resp: 41877
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

Tgt Ion: 91 Resp: 439
Ion Ratio Lower Upper
91 100
126 39.2 15.8 47.4





#93

1,2,4-Trichlorobenzene

Concen: 0.359 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX033903.D

Acq: 26 Jan 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0126MBL01

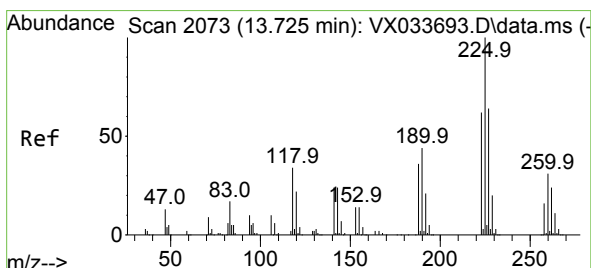
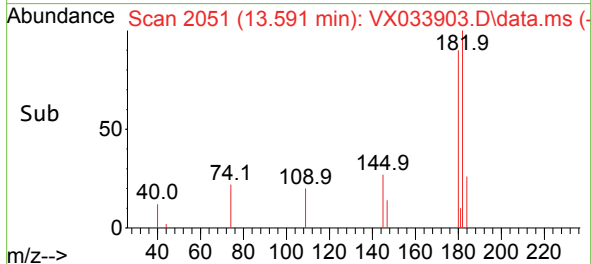
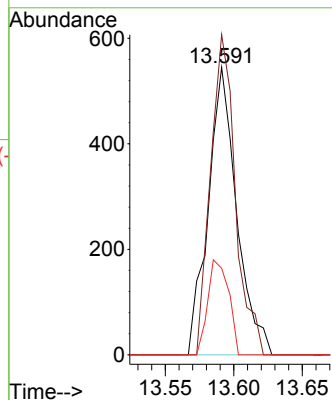
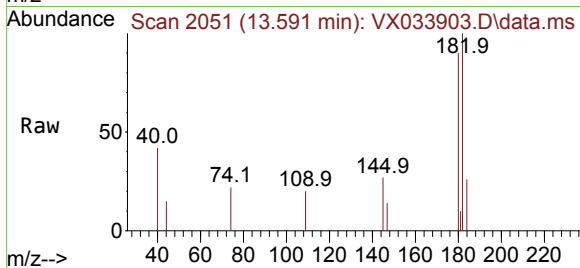
Tgt Ion:180 Resp: 788

Ion Ratio Lower Upper

180 100

182 97.0 47.9 143.6

145 24.1 14.1 42.2



#94

Hexachlorobutadiene

Concen: 0.854 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX033903.D

Acq: 26 Jan 2023 12:04

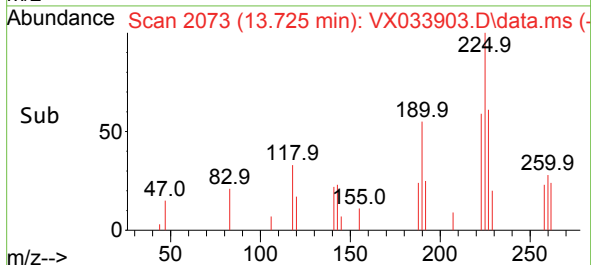
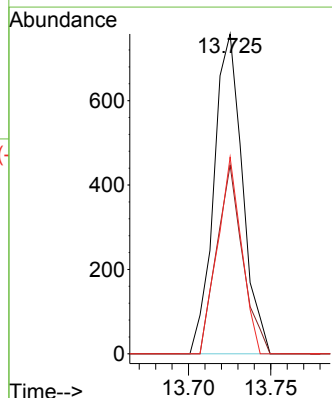
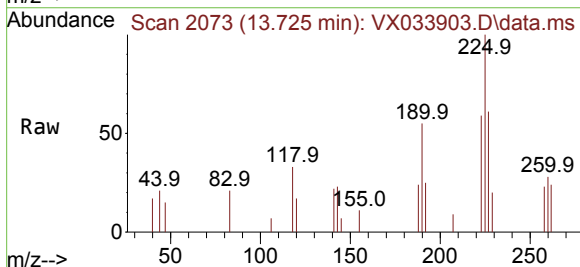
Tgt Ion:225 Resp: 917

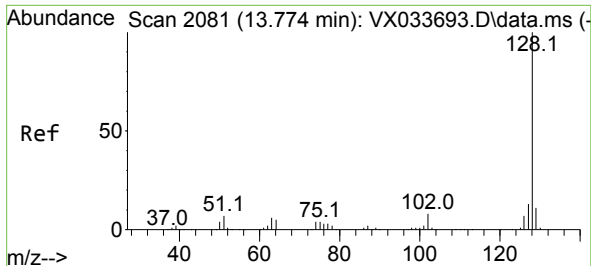
Ion Ratio Lower Upper

225 100

223 53.4 31.3 93.9

227 51.7 32.3 96.9

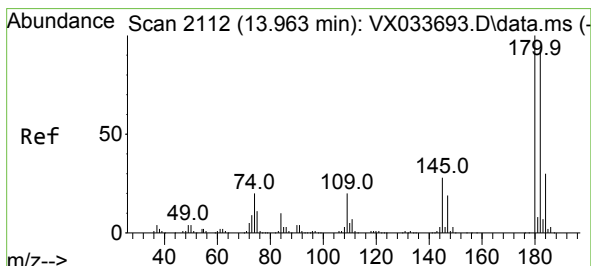
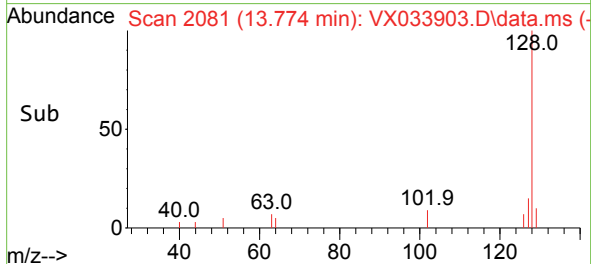
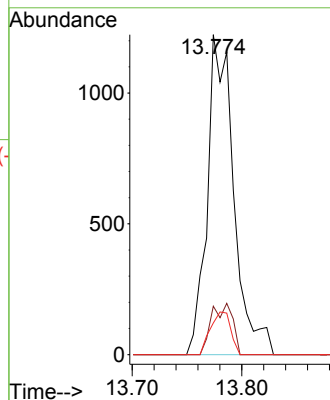
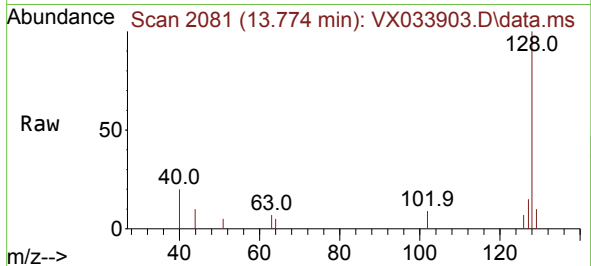




#95
Naphthalene
Concen: 0.325 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0126MBL01

Tgt Ion:128	Resp:	2050	
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.2	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.377 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX033903.D
Acq: 26 Jan 2023 12:04

Tgt Ion:180	Resp:	827	
Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.6	142.9
145	28.3	15.1	45.3

