

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012723\
 Data File : VX033924.D
 Acq On : 27 Jan 2023 09:56
 Operator : JC/MD
 Sample : VX0127MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127MBL01

Quant Time: Jan 28 03:00:06 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)

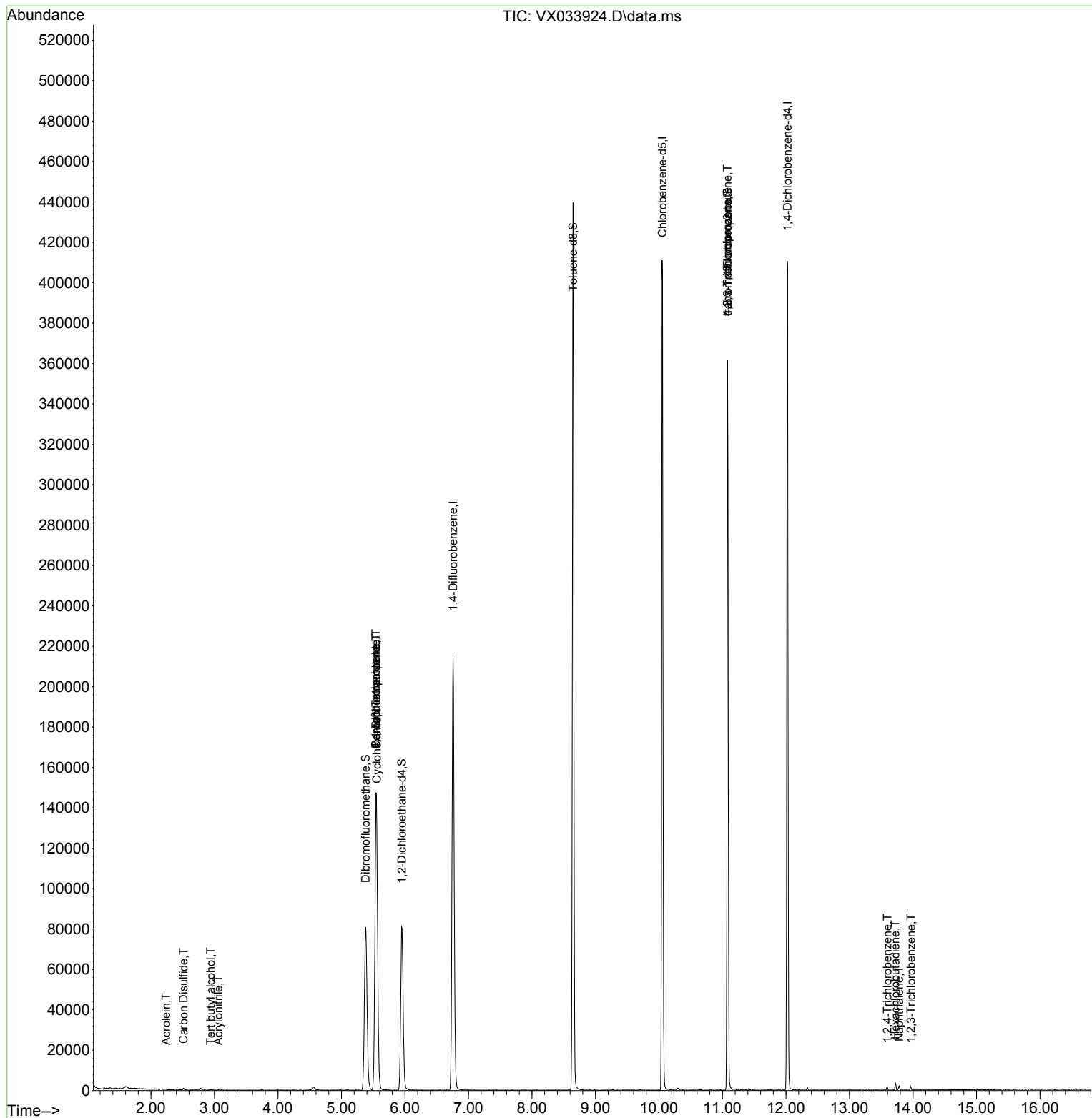
Internal Standards						
1) Pentafluorobenzene	5.544	168	162319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234814	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75723	44.307	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.620%
35) Dibromofluoromethane	5.379	113	70734	48.512	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.020%
50) Toluene-d8	8.647	98	263545	49.608	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.220%
62) 4-Bromofluorobenzene	11.079	95	91958	46.622	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.240%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	216	0.728	ug/l #	86
13) Acrolein	2.240	56	166	0.606	ug/l #	64
15) Acrylonitrile	3.063	53	255	0.326	ug/l #	86
16) Acetone	2.380	43	361	Below Cal	#	72
17) Carbon Disulfide	2.514	76	1225	2.175	ug/l	96
20) Methylene Chloride	2.782	84	468	Below Cal	#	73
31) Cyclohexane	5.556	56	2496	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9451	4.441	ug/l #	49
38) Carbon Tetrachloride	5.544	117	13478	6.115	ug/l #	14
73) Isopropylbenzene	10.957	105	203	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	11.220	83	19	Below Cal	#	26
76) 1,2,3-Trichloropropane	11.079	75	42114	23.335	ug/l #	34
77) Bromobenzene	11.195	156	110	Below Cal		81
79) 2-Chlorotoluene	11.463	91	358	Below Cal		96
81) trans-1,4-Dichloro-2-b...	11.079	75	42114	72.523	ug/l #	8
82) 4-Chlorotoluene	11.463	91	358	Below Cal		97
93) 1,2,4-Trichlorobenzene	13.597	180	697	0.323	ug/l	92
94) Hexachlorobutadiene	13.719	225	735	0.696	ug/l	100
95) Naphthalene	13.780	128	1681	0.271	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.969	180	574	0.266	ug/l	87

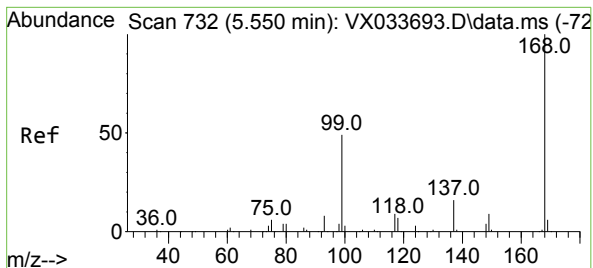
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX033924.D

Acq: 27 Jan 2023 09:56

Instrument :

MSVOA_X

ClientSampleId :

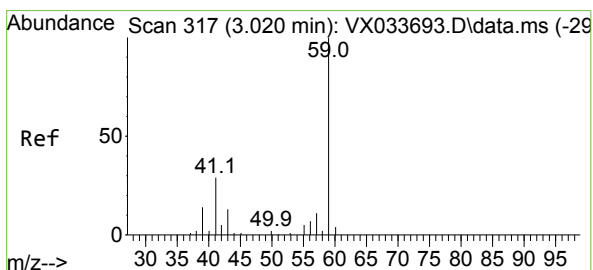
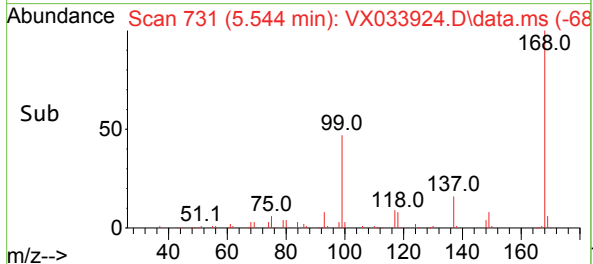
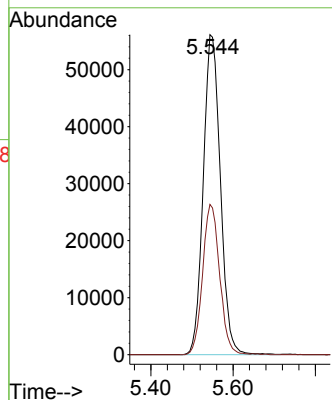
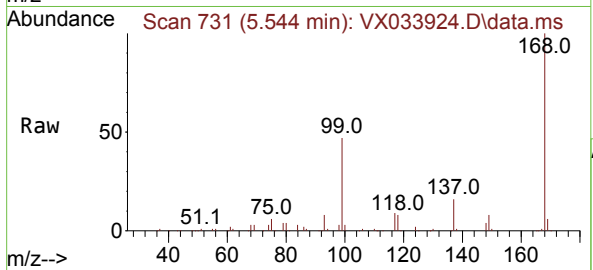
VX0127MBL01

Tgt Ion:168 Resp: 162319

Ion Ratio Lower Upper

168 100

99 46.9 39.6 59.4



#11

Tert butyl alcohol

Concen: 0.728 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.079 min

Lab File: VX033924.D

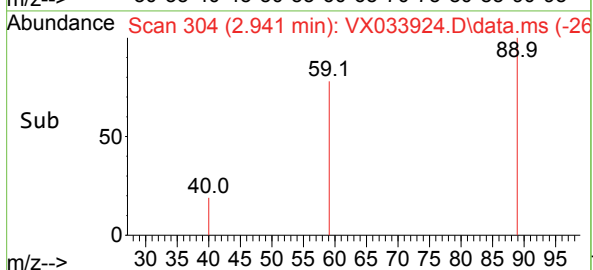
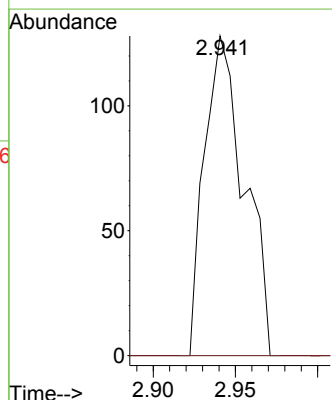
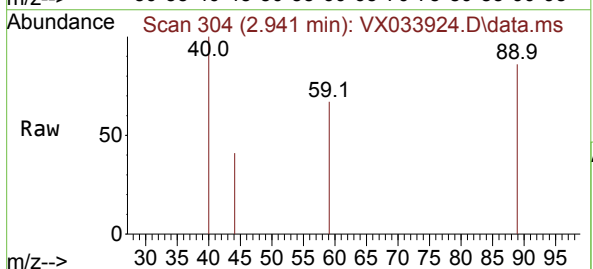
Acq: 27 Jan 2023 09:56

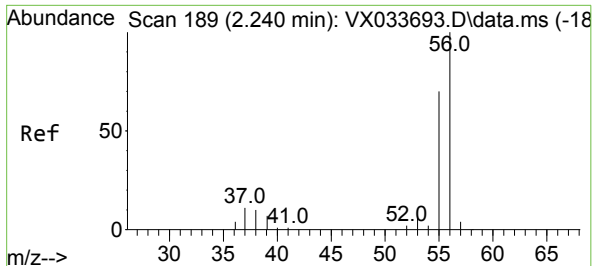
Tgt Ion: 59 Resp: 216

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#





#13

Acrolein

Concen: 0.606 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033924.D

Acq: 27 Jan 2023 09:56

Instrument :

MSVOA_X

ClientSampleId :

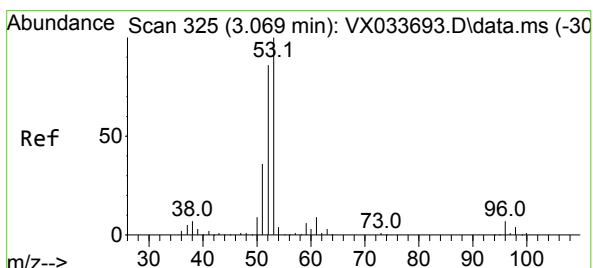
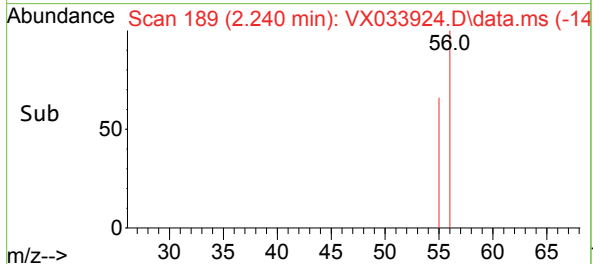
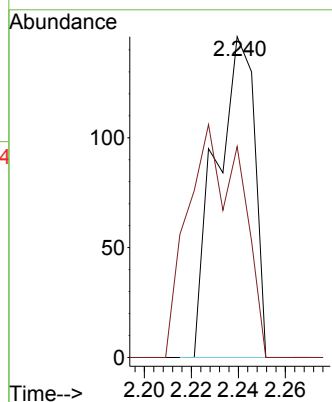
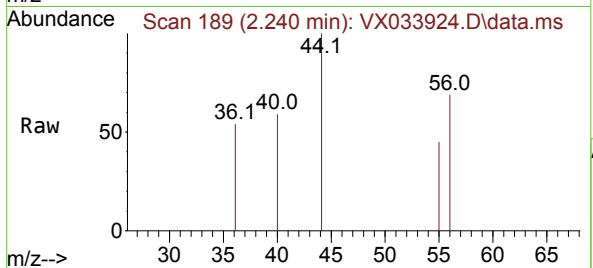
VX0127MBL01

Tgt Ion: 56 Resp: 166

Ion Ratio Lower Upper

56 100

55 100.0 56.3 84.5#



#15

Acrylonitrile

Concen: 0.326 ug/l

RT: 3.063 min Scan# 324

Delta R.T. -0.006 min

Lab File: VX033924.D

Acq: 27 Jan 2023 09:56

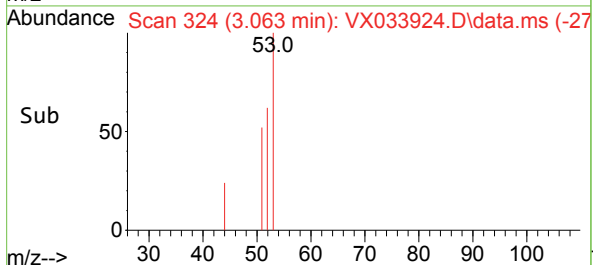
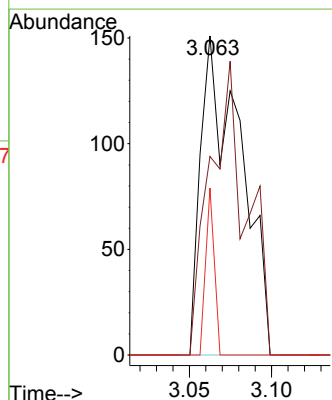
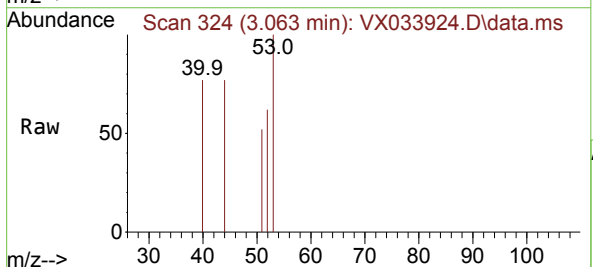
Tgt Ion: 53 Resp: 255

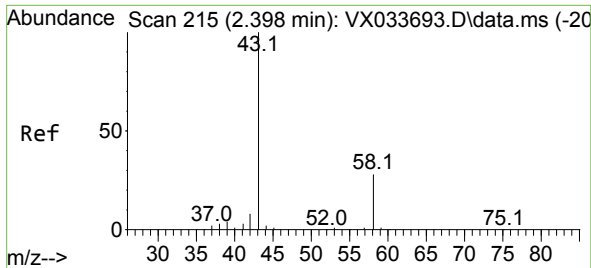
Ion Ratio Lower Upper

53 100

52 83.9 65.7 98.5

51 11.4 29.0 43.4#

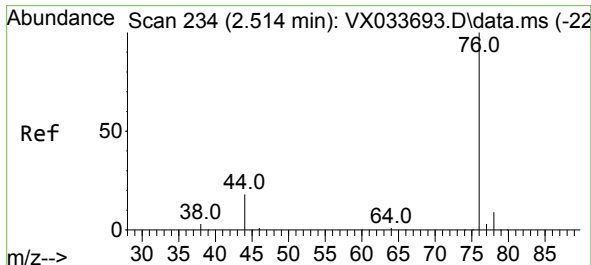
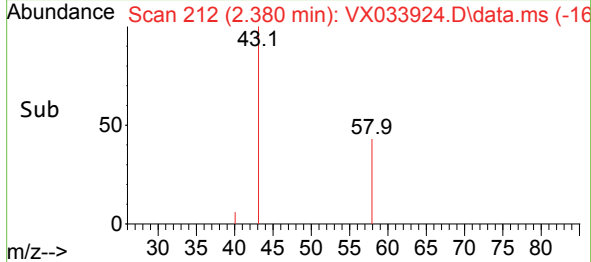
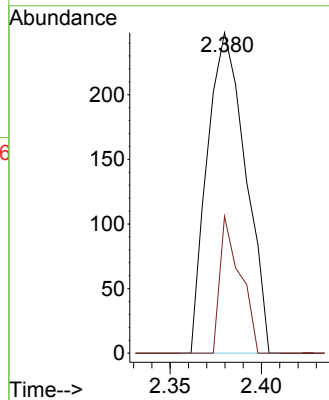
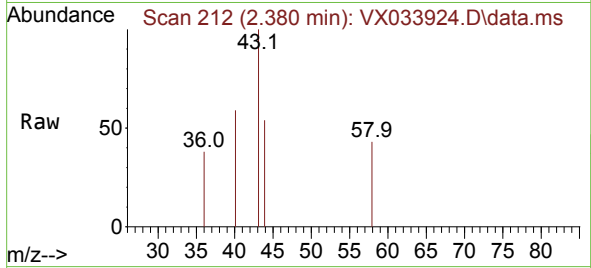




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 215
Delta R.T. -0.018 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

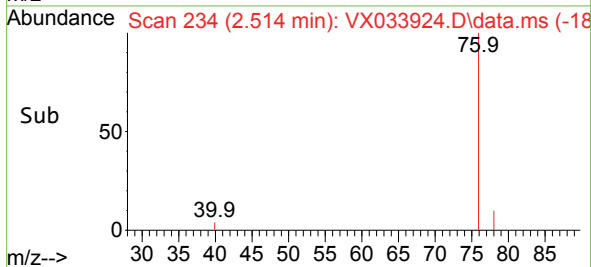
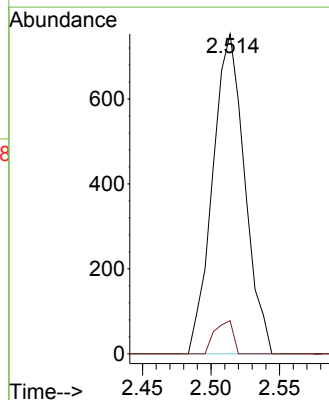
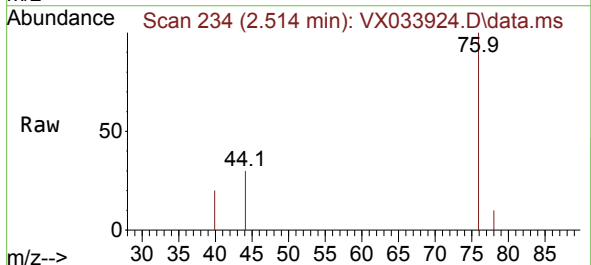
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

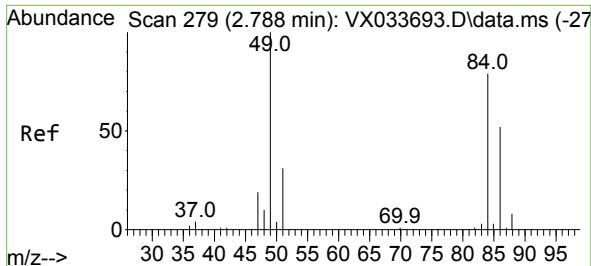
Tgt Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
58 42.7 22.6 33.8#



#17
Carbon Disulfide
Concen: 2.175 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

Tgt Ion: 76 Resp: 1225
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.6

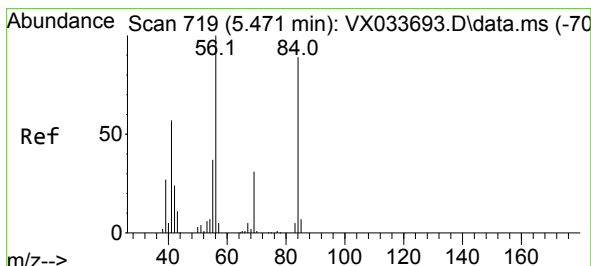
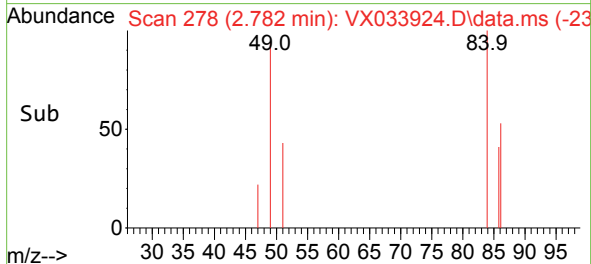
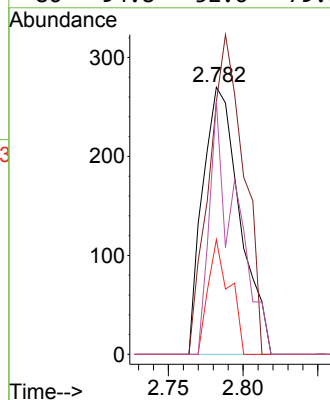
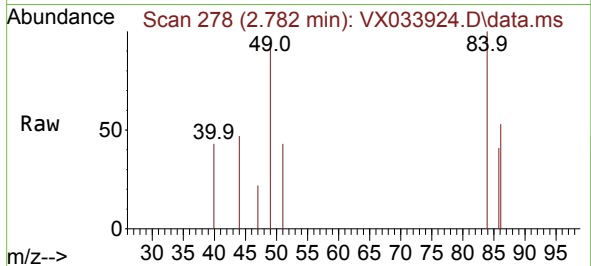




#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

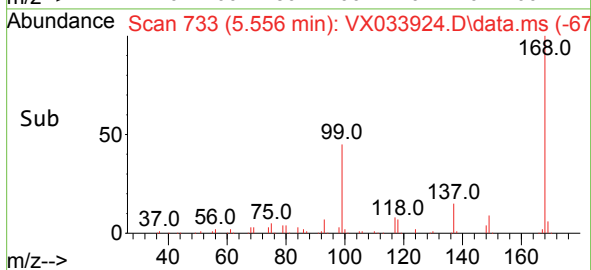
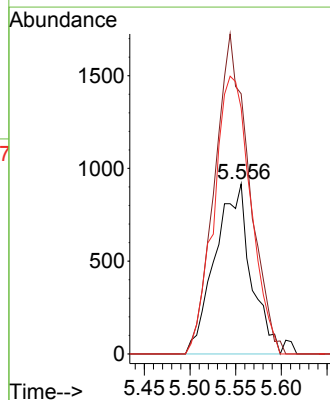
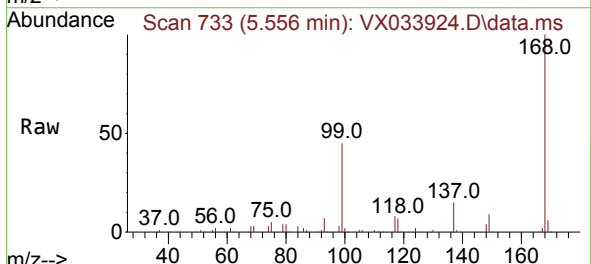
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

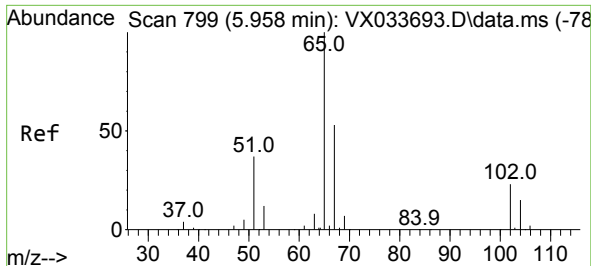
Tgt Ion:	84	Resp:	468
Ion	Ratio	Lower	Upper
84	100		
49	94.4	101.1	151.7#
51	43.0	31.0	46.6
86	94.8	52.6	79.0#



#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

Tgt Ion:	56	Resp:	2496
Ion	Ratio	Lower	Upper
56	100		
69	152.9	24.6	37.0#
84	144.6	71.0	106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.307 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX033924.D

Acq: 27 Jan 2023 09:56

Instrument :

MSVOA_X

ClientSampleId :

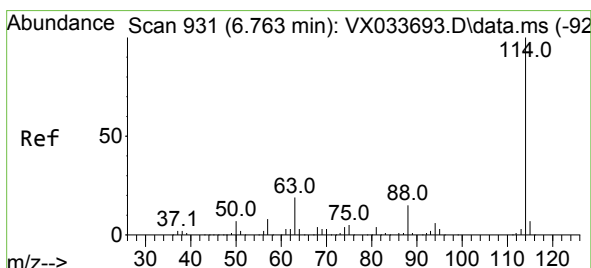
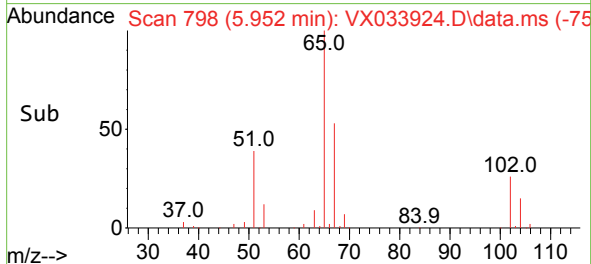
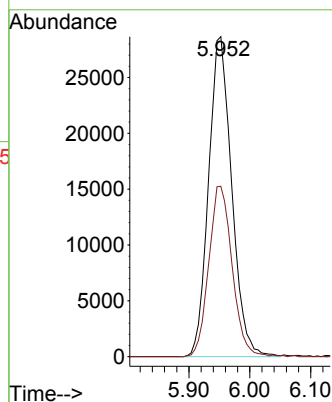
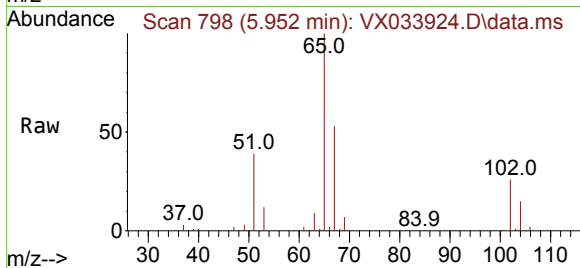
VX0127MBL01

Tgt Ion: 65 Resp: 75723

Ion Ratio Lower Upper

65 100

67 53.8 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: VX033924.D

Acq: 27 Jan 2023 09:56

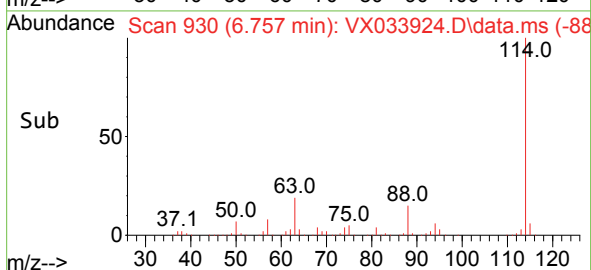
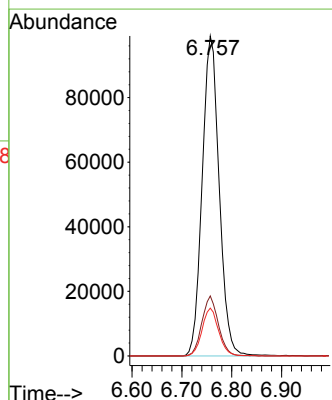
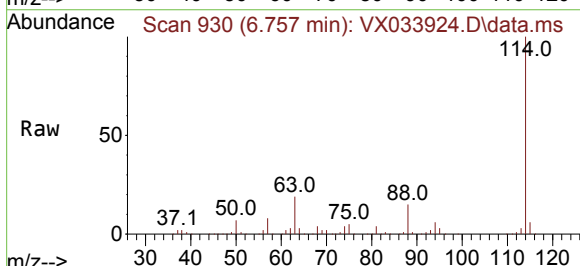
Tgt Ion: 114 Resp: 234814

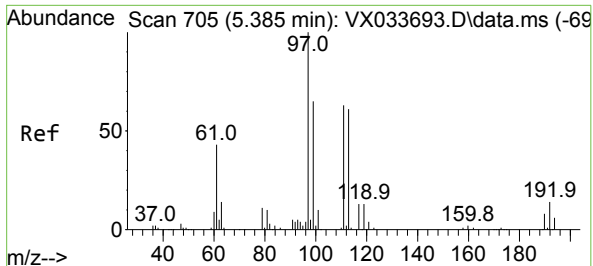
Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.4

88 14.9 0.0 30.6

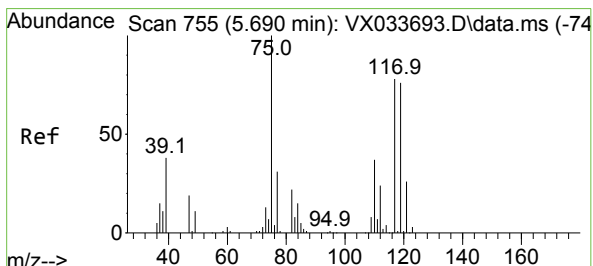
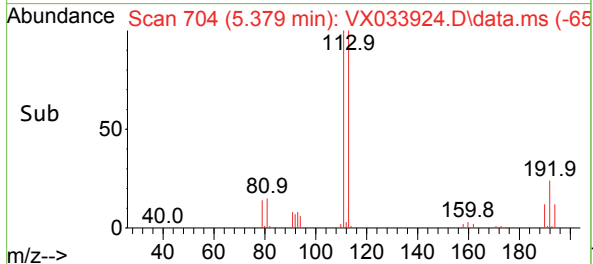
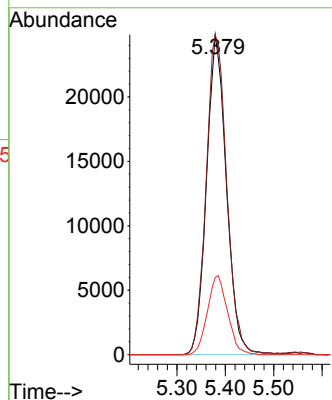
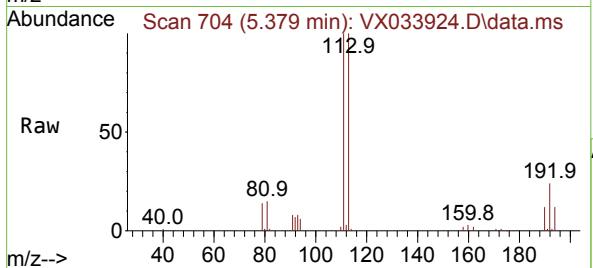




#35
Dibromofluoromethane
Concen: 48.512 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

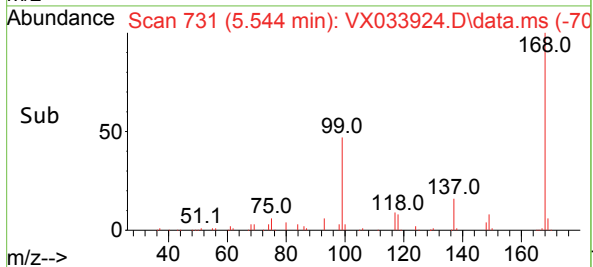
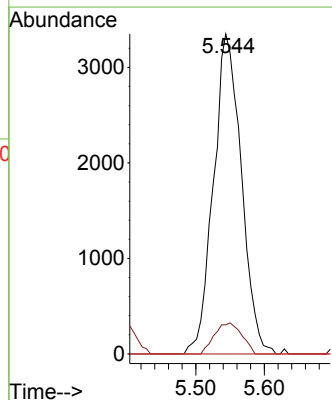
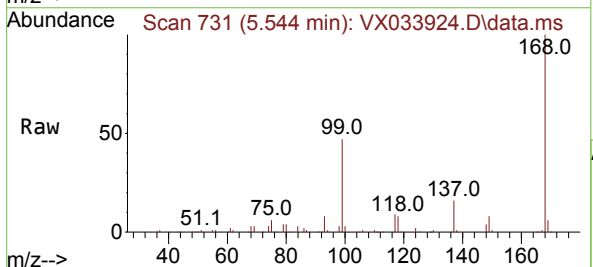
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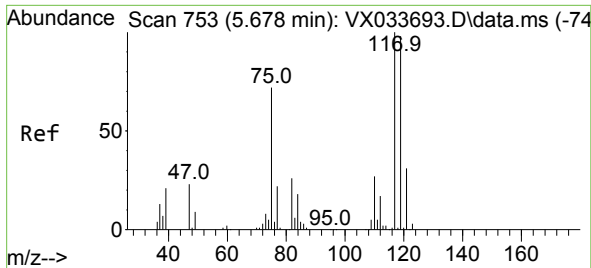
Tgt Ion:113 Resp: 70734
Ion Ratio Lower Upper
113 100
111 104.0 83.0 124.6
192 25.1 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.441 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

Tgt Ion: 75 Resp: 9451
Ion Ratio Lower Upper
75 100
110 9.5 18.8 56.4#
77 0.0 25.1 37.7#

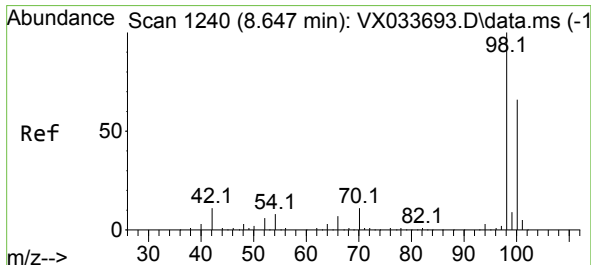
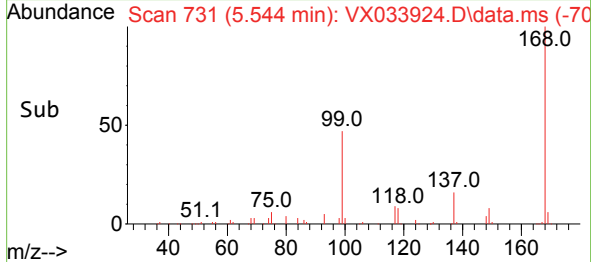
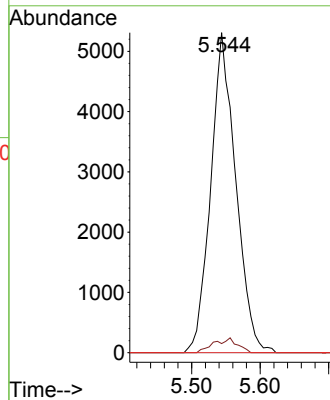
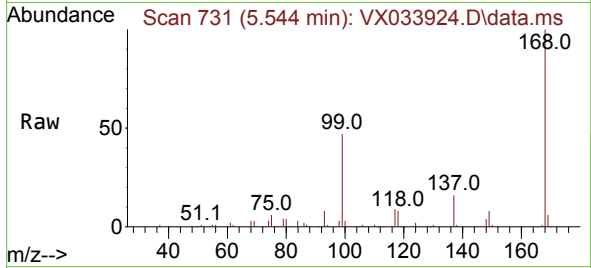




#38
Carbon Tetrachloride
Concen: 6.115 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

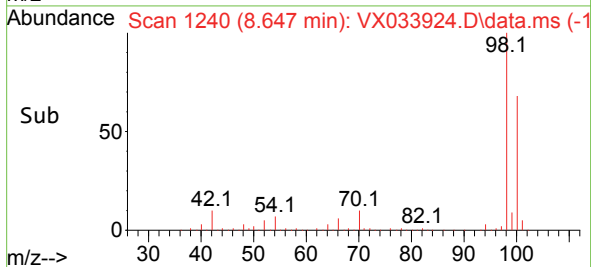
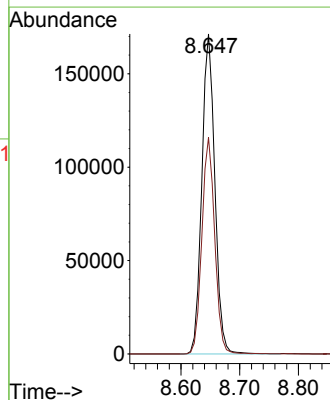
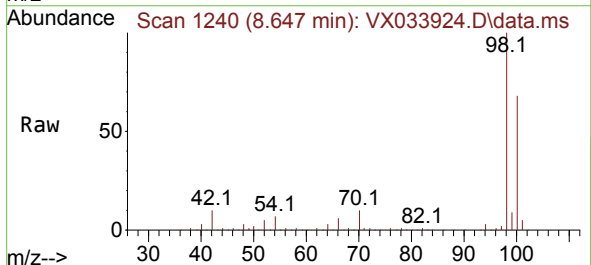
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

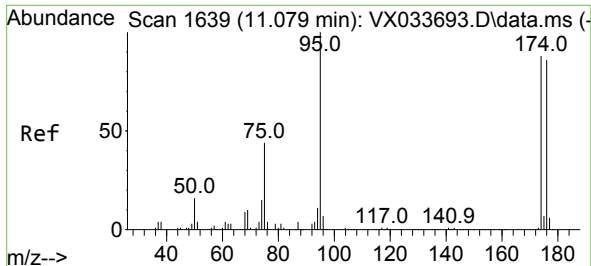
Tgt Ion:117 Resp: 13478
Ion Ratio Lower Upper
117 100
119 2.9 78.0 117.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.608 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

Tgt Ion: 98 Resp: 263545
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4

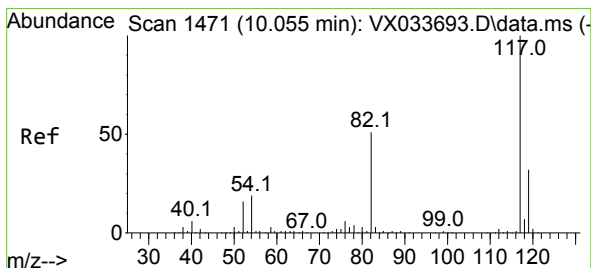
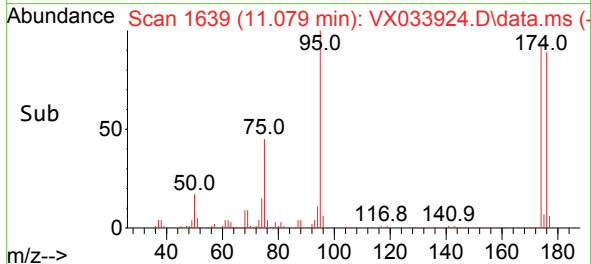
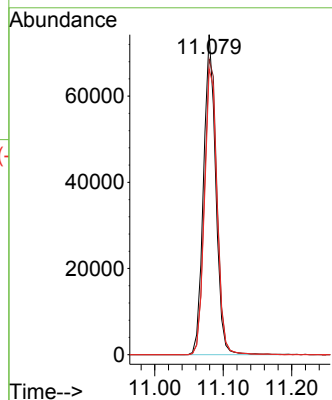
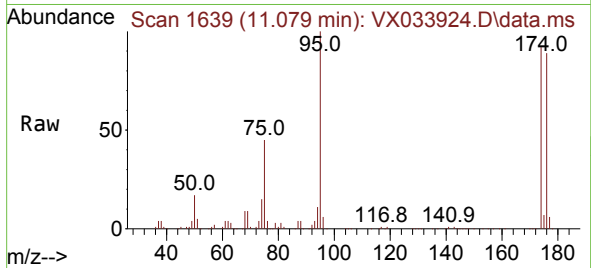




#62
4-Bromofluorobenzene
Concen: 46.622 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

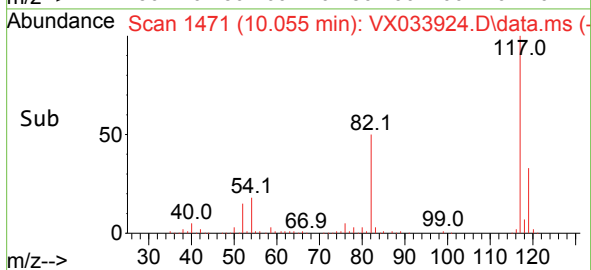
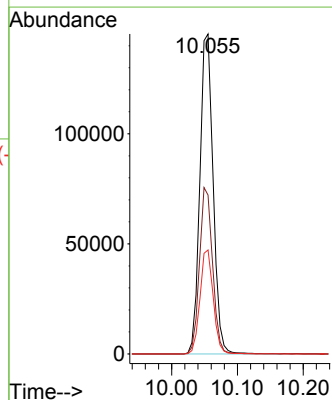
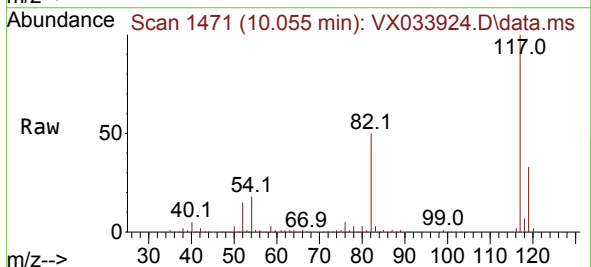
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

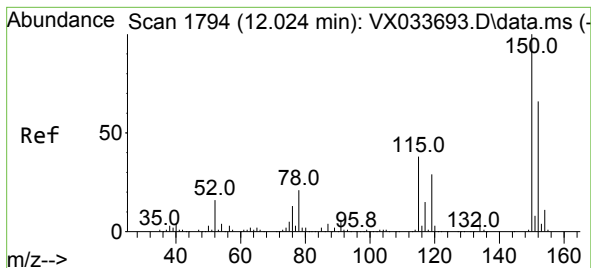
Tgt Ion: 95 Resp: 91958
Ion Ratio Lower Upper
95 100
174 96.6 0.0 184.4
176 92.5 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

Tgt Ion: 117 Resp: 204091
Ion Ratio Lower Upper
117 100
82 49.7 40.6 60.8
119 32.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033924.D

Acq: 27 Jan 2023 09:56

Instrument :

MSVOA_X

ClientSampleId :

VX0127MBL01

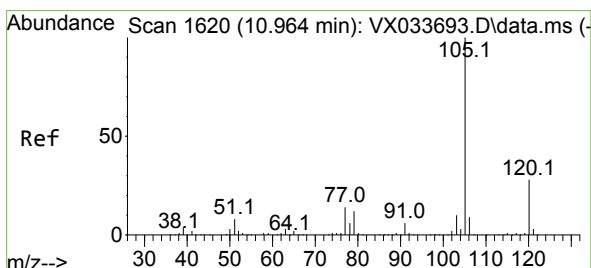
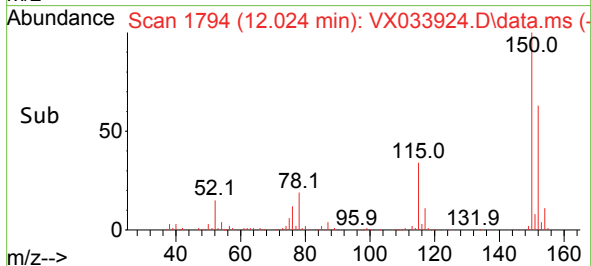
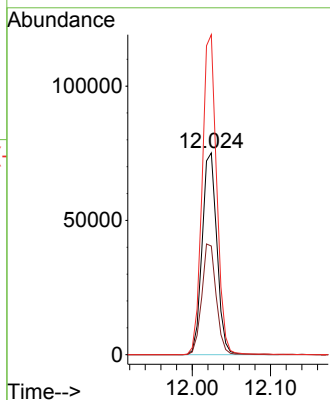
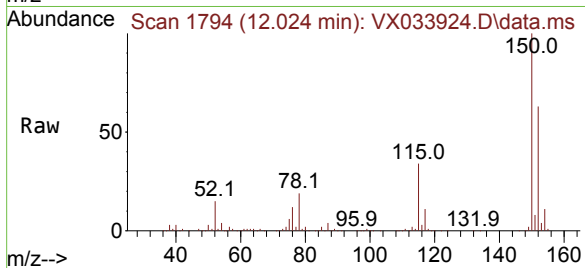
Tgt Ion:152 Resp: 98225

Ion Ratio Lower Upper

152 100

115 53.7 38.7 116.1

150 156.5 0.0 348.2



#73

Isopropylbenzene

Concen: Below Cal

RT: 10.957 min Scan# 1619

Delta R.T. -0.007 min

Lab File: VX033924.D

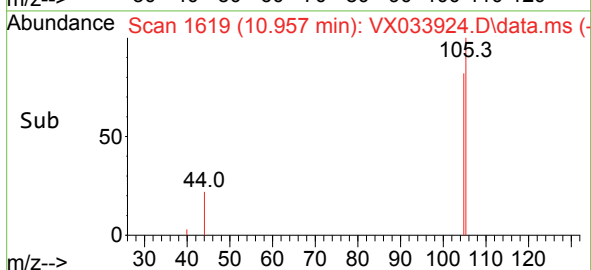
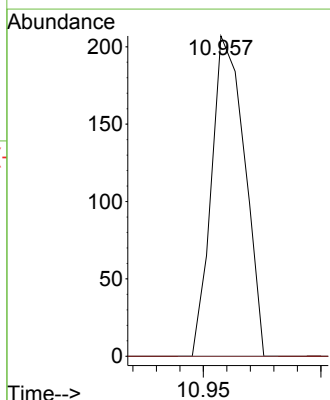
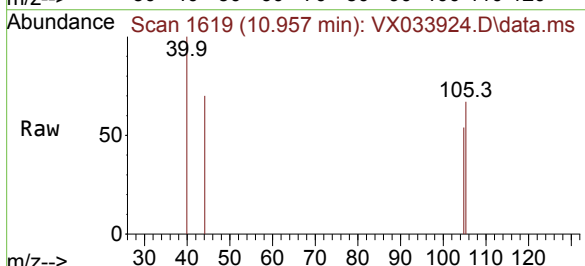
Acq: 27 Jan 2023 09:56

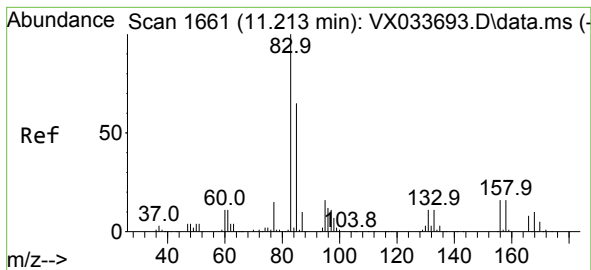
Tgt Ion:105 Resp: 203

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: VX033924.D

Acq: 27 Jan 2023 09:56

Instrument :

MSVOA_X

ClientSampleId :

VX0127MBL01

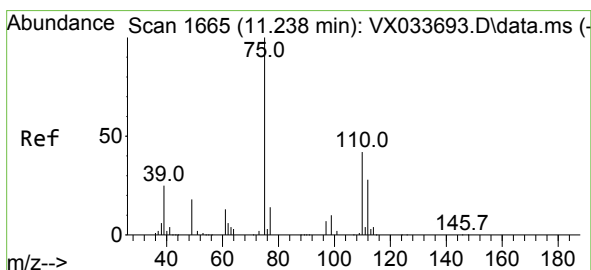
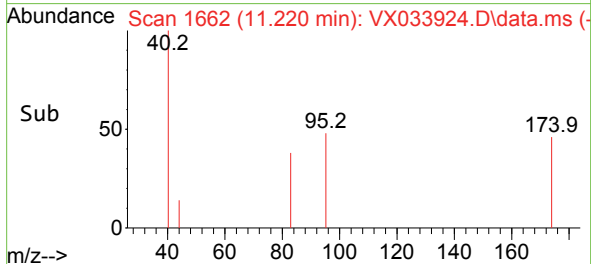
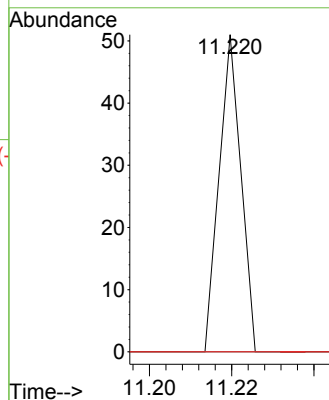
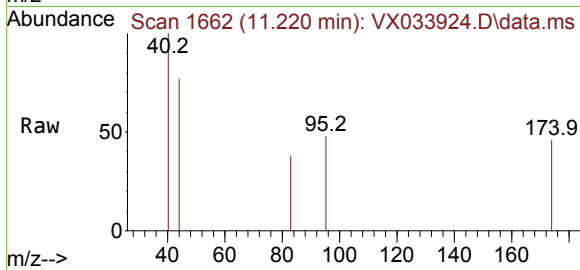
Tgt Ion: 83 Resp: 19

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: 23.335 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033924.D

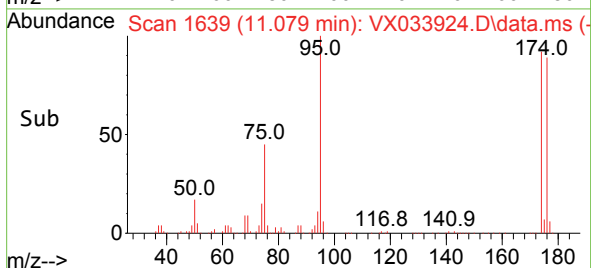
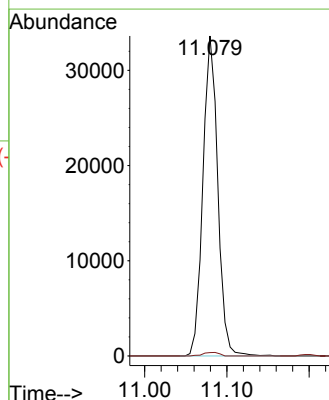
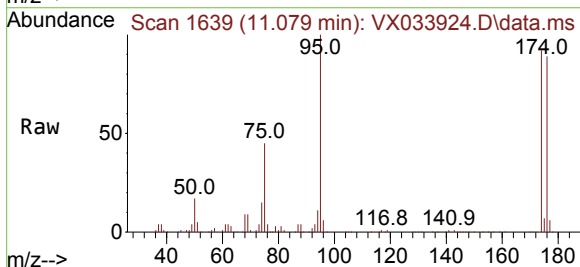
Acq: 27 Jan 2023 09:56

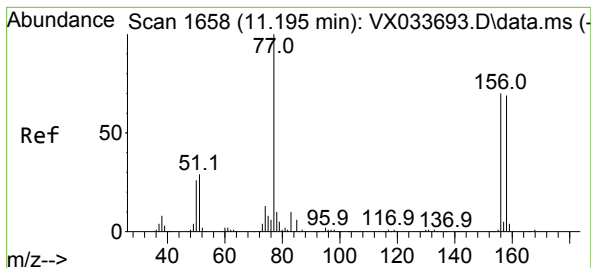
Tgt Ion: 75 Resp: 42114

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#





#77

Bromobenzene

Concen: Below Cal

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033924.D

Acq: 27 Jan 2023 09:56

Instrument :

MSVOA_X

ClientSampleId :

VX0127MBL01

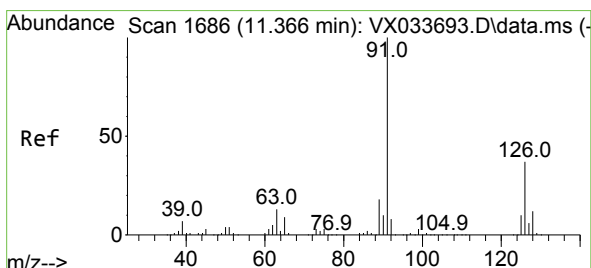
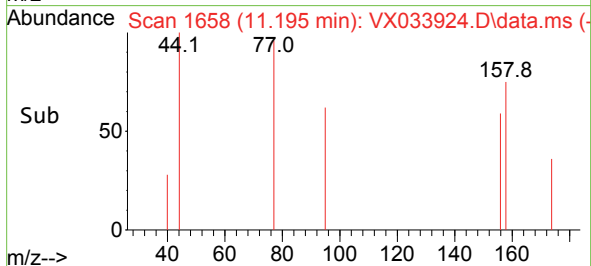
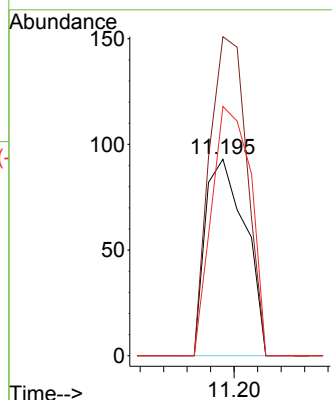
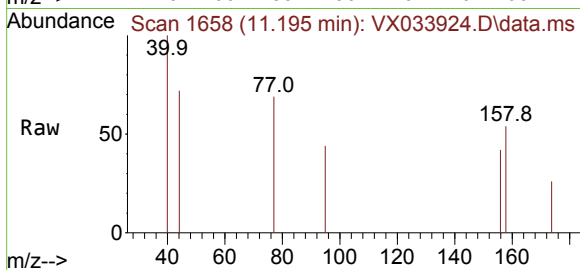
Tgt Ion:156 Resp: 110

Ion Ratio Lower Upper

156 100

77 151.8 68.1 204.3

158 123.6 48.0 144.2



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.463 min Scan# 1702

Delta R.T. 0.097 min

Lab File: VX033924.D

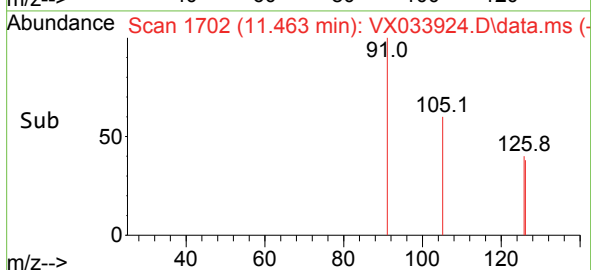
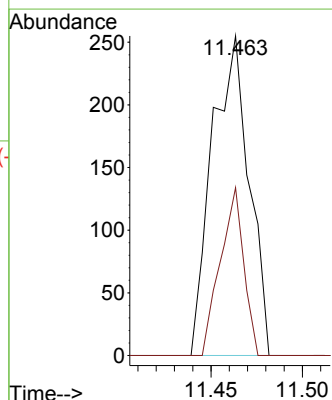
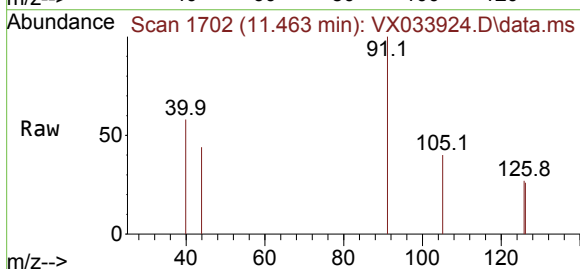
Acq: 27 Jan 2023 09:56

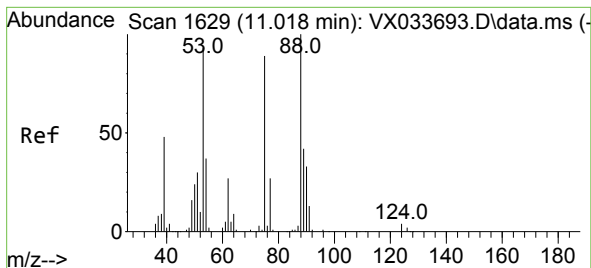
Tgt Ion: 91 Resp: 358

Ion Ratio Lower Upper

91 100

126 33.5 18.1 54.1

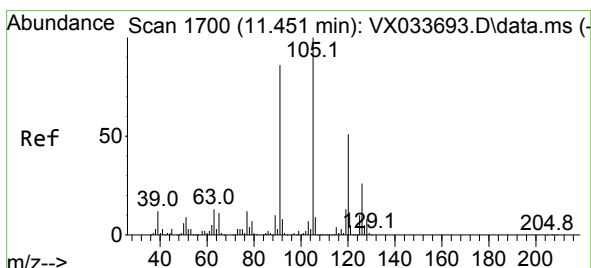
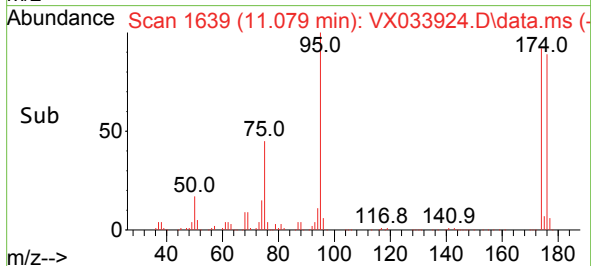
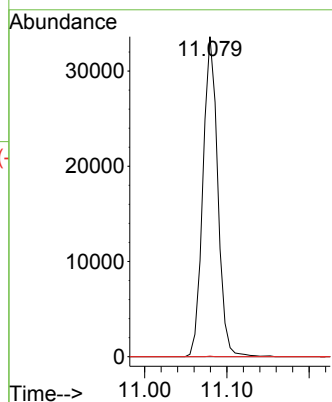
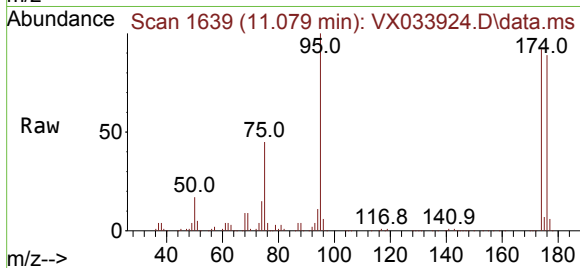




#81
trans-1,4-Dichloro-2-butene
Concen: 72.523 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

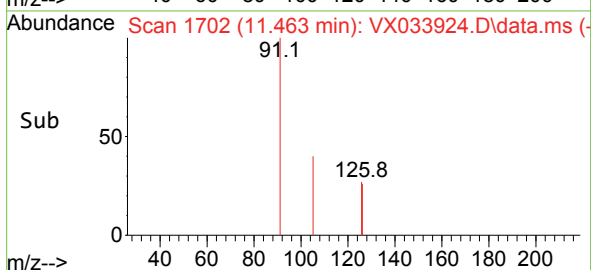
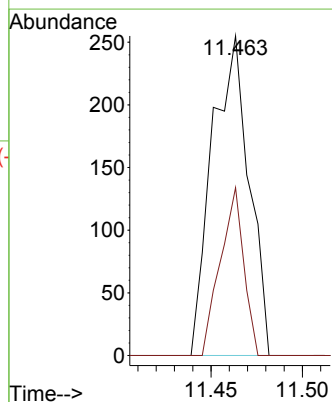
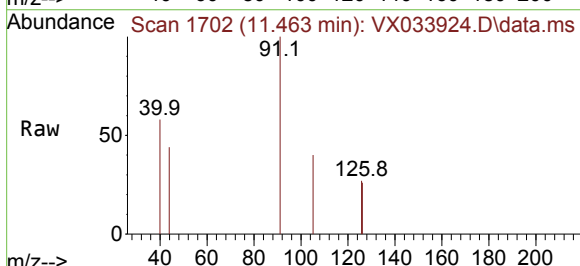
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

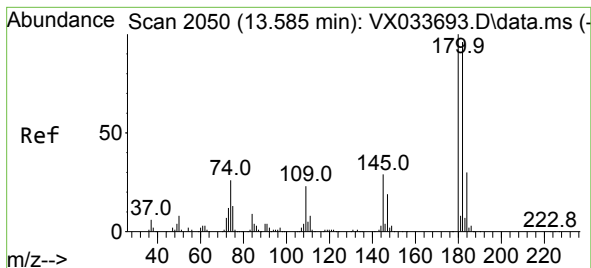
Tgt Ion: 75 Resp: 42114
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.1 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX033924.D
Acq: 27 Jan 2023 09:56

Tgt Ion: 91 Resp: 358
Ion Ratio Lower Upper
91 100
126 33.5 15.8 47.4





#93

1,2,4-Trichlorobenzene

Concen: 0.323 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX033924.D

Acq: 27 Jan 2023 09:56

Instrument :

MSVOA_X

ClientSampleId :

VX0127MBL01

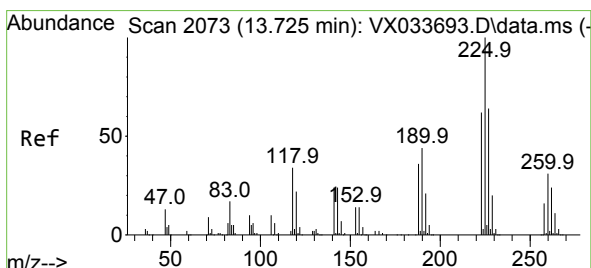
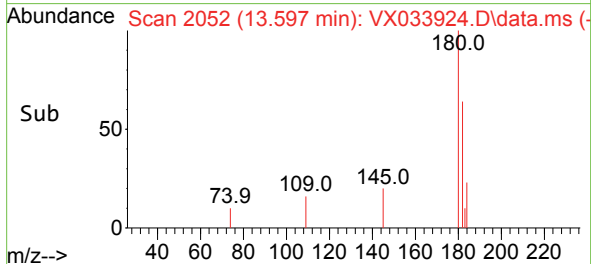
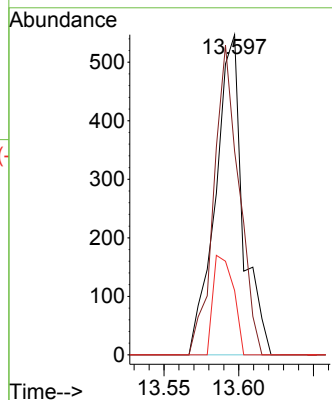
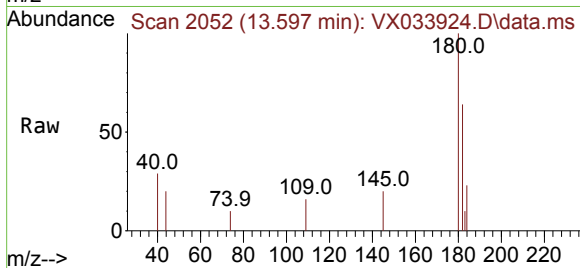
Tgt Ion:180 Resp: 697

Ion Ratio Lower Upper

180 100

182 88.7 47.9 143.6

145 23.1 14.1 42.2



#94

Hexachlorobutadiene

Concen: 0.696 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX033924.D

Acq: 27 Jan 2023 09:56

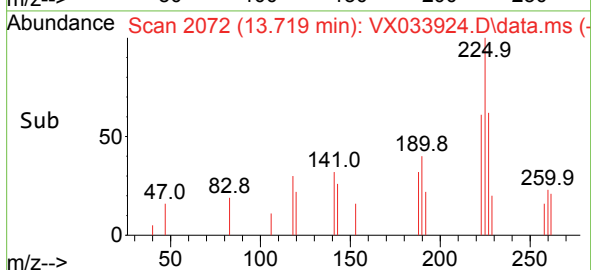
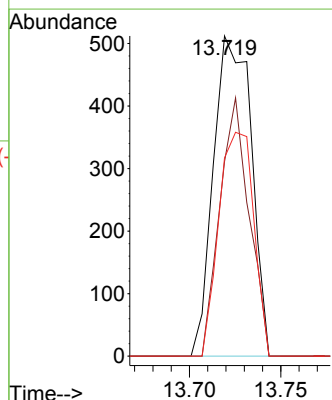
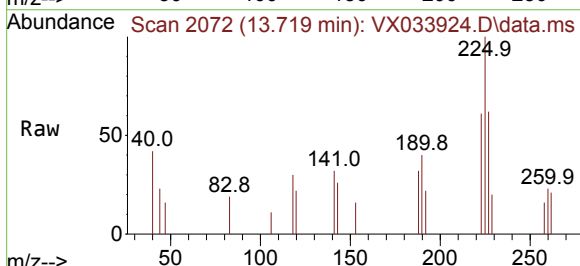
Tgt Ion:225 Resp: 735

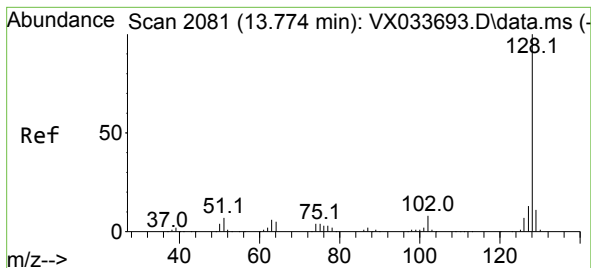
Ion Ratio Lower Upper

225 100

223 62.6 31.3 93.9

227 64.6 32.3 96.9





#95

Naphthalene

Concen: 0.271 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX033924.D

Acq: 27 Jan 2023 09:56

Instrument :

MSVOA_X

ClientSampleId :

VX0127MBL01

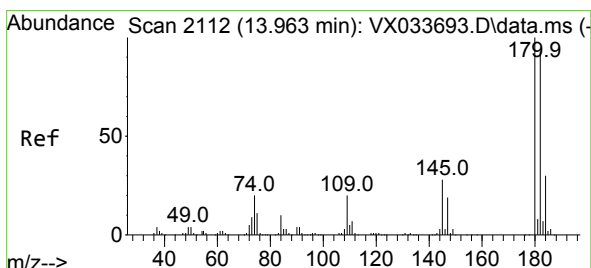
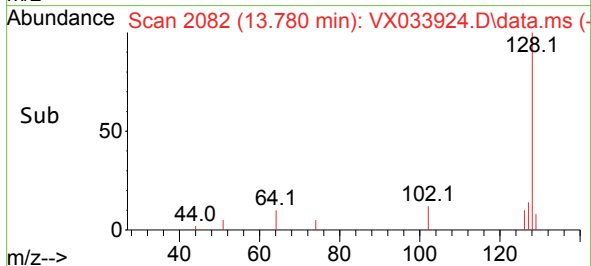
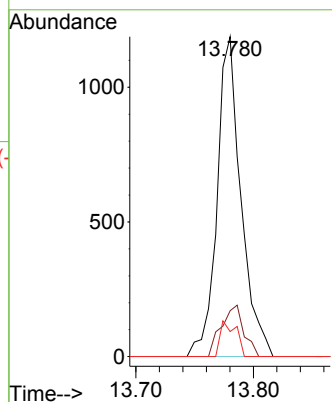
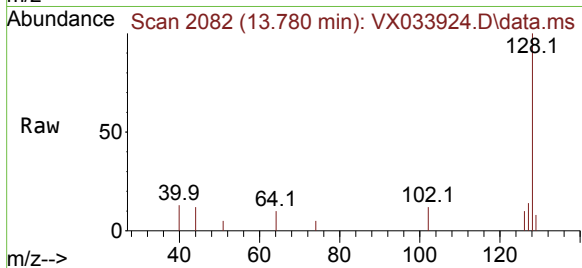
Tgt Ion:128 Resp: 1681

Ion Ratio Lower Upper

128 100

127 15.1 10.3 15.5

129 7.4 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.266 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX033924.D

Acq: 27 Jan 2023 09:56

Tgt Ion:180 Resp: 574

Ion Ratio Lower Upper

180 100

182 110.5 47.6 142.9

145 34.0 15.1 45.3

