

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033959.D
 Acq On : 31 Jan 2023 10:18
 Operator : JC/MD
 Sample : VX0131MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131MBL01

Quant Time: Feb 01 02:04:41 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)

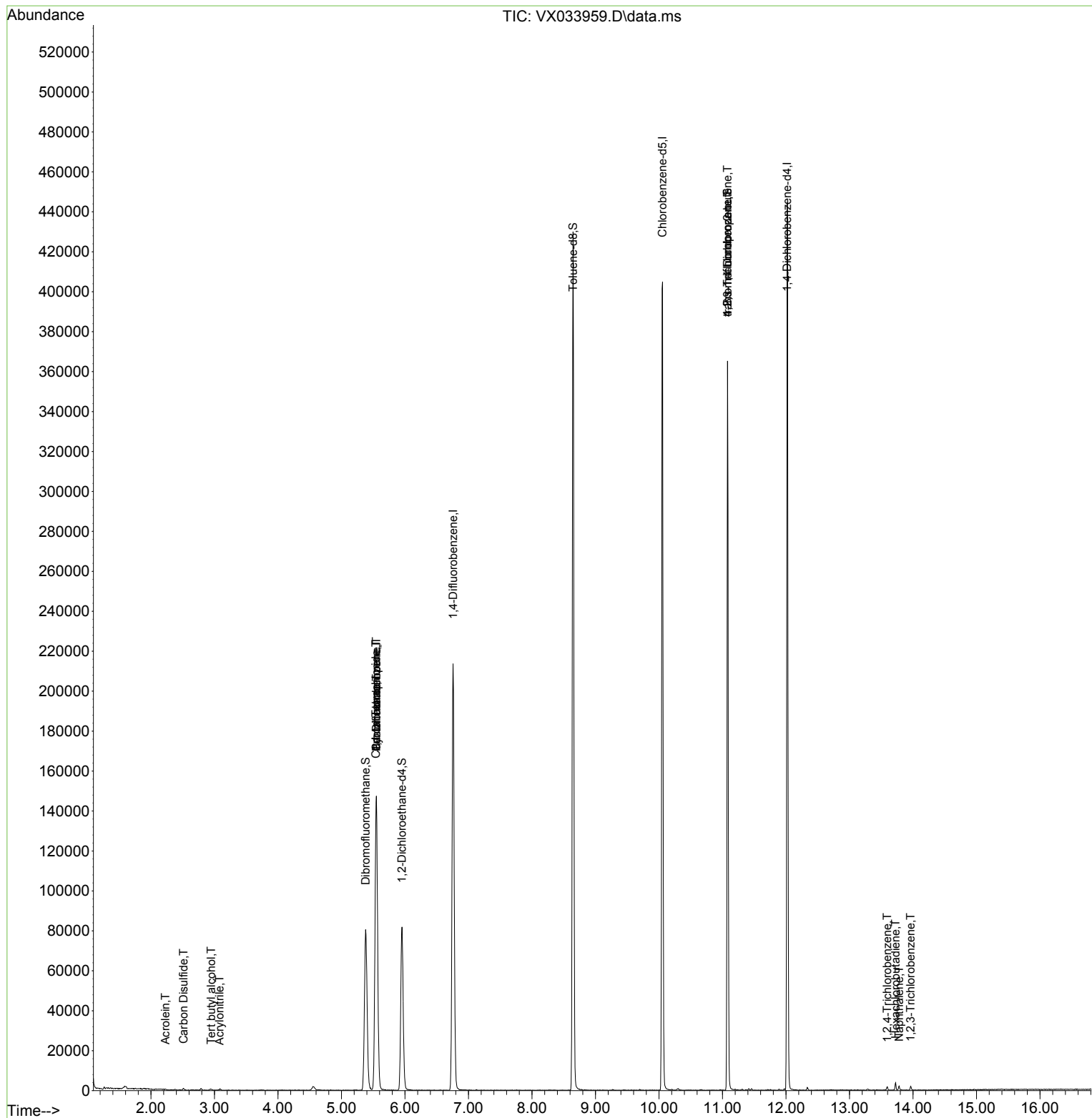
Internal Standards						
1) Pentafluorobenzene	5.550	168	162560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76950	44.958	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.920%
35) Dibromofluoromethane	5.379	113	70881	49.151	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.300%
50) Toluene-d8	8.647	98	264672	50.372	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.740%
62) 4-Bromofluorobenzene	11.079	95	92165	47.244	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	408	1.372	ug/l #	86
13) Acrolein	2.227	56	126	0.459	ug/l	97
15) Acrylonitrile	3.081	53	271	0.346	ug/l #	63
16) Acetone	2.380	43	373	Below Cal		98
17) Carbon Disulfide	2.514	76	1046	2.123	ug/l #	76
20) Methylene Chloride	2.782	84	395	Below Cal	#	60
31) Cyclohexane	5.550	56	2588	1.028	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	9399	4.466	ug/l #	48
37) Ethyl Acetate	4.562	43	26	Below Cal	#	1
38) Carbon Tetrachloride	5.544	117	13520	6.202	ug/l #	15
73) Isopropylbenzene	10.957	105	231	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	11.214	83	21	Below Cal	#	26
76) 1,2,3-Trichloropropane	11.079	75	42494	22.666	ug/l #	34
77) Bromobenzene	11.195	156	127	Below Cal		80
79) 2-Chlorotoluene	11.457	91	410	Below Cal		85
81) trans-1,4-Dichloro-2-b...	11.079	75	42494	70.443	ug/l #	8
82) 4-Chlorotoluene	11.457	91	410	Below Cal		92
93) 1,2,4-Trichlorobenzene	13.591	180	661	0.295	ug/l	95
94) Hexachlorobutadiene	13.725	225	675	0.615	ug/l	91
95) Naphthalene	13.780	128	1795	0.278	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	637	0.284	ug/l	89

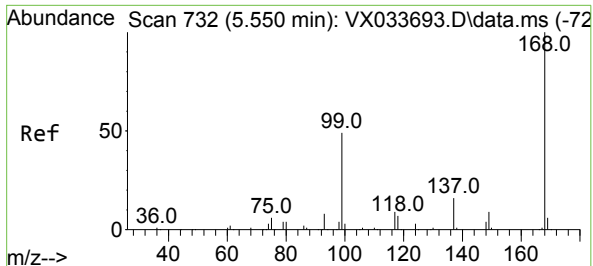
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 01 02:04:41 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

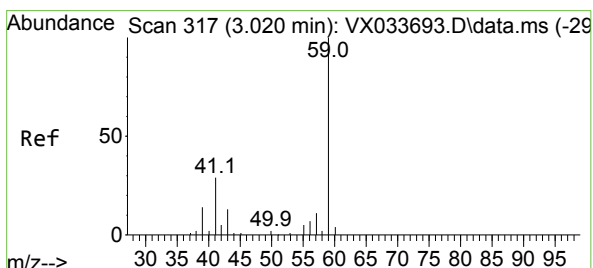
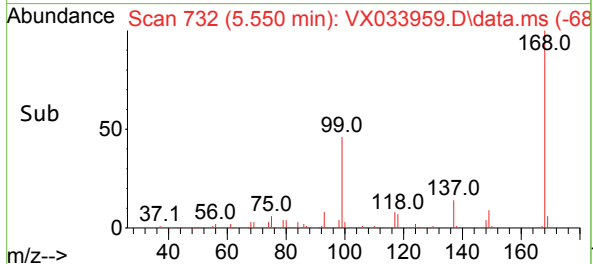
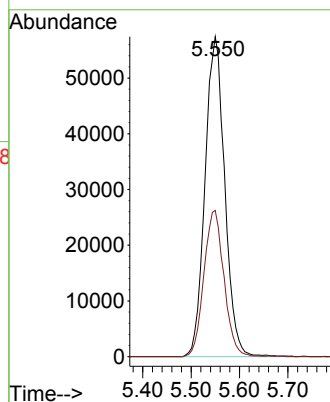
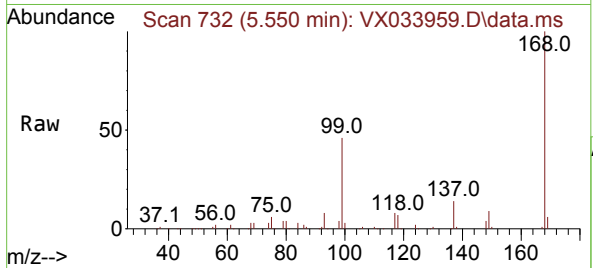




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

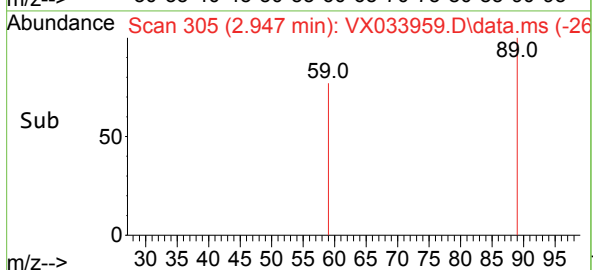
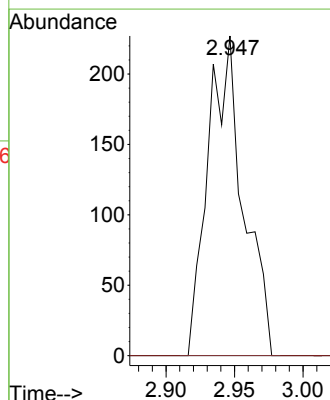
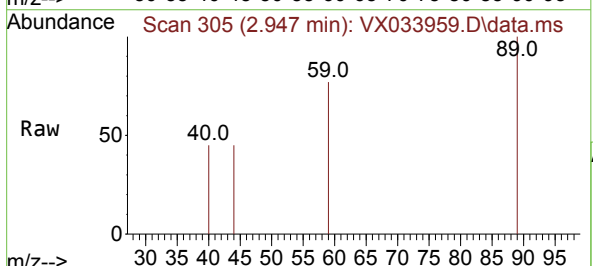
Instrument :
MSVOA_X
ClientSampleId :
VX0131MBL01

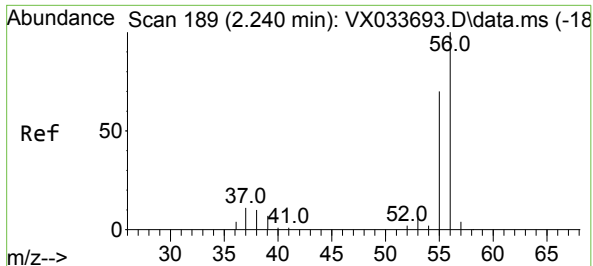
Tgt Ion:168 Resp: 162560
Ion Ratio Lower Upper
168 100
99 45.7 39.6 59.4



#11
Tert butyl alcohol
Concen: 1.372 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

Tgt Ion: 59 Resp: 408
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#





#13

Acrolein

Concen: 0.459 ug/l

RT: 2.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX033959.D

Acq: 31 Jan 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

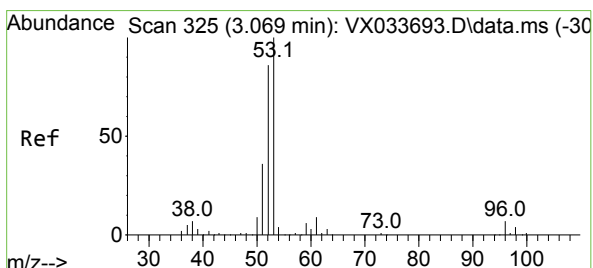
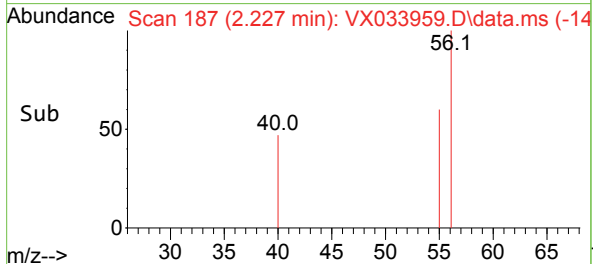
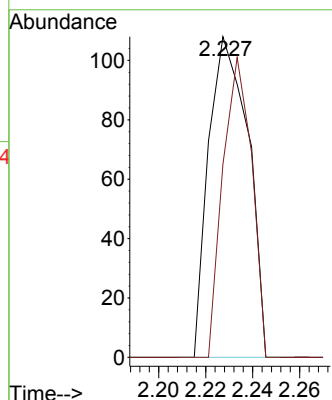
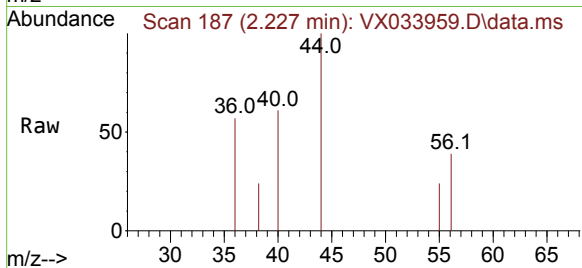
VX0131MBL01

Tgt Ion: 56 Resp: 126

Ion Ratio Lower Upper

56 100

55 68.3 56.3 84.5



#15

Acrylonitrile

Concen: 0.346 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.012 min

Lab File: VX033959.D

Acq: 31 Jan 2023 10:18

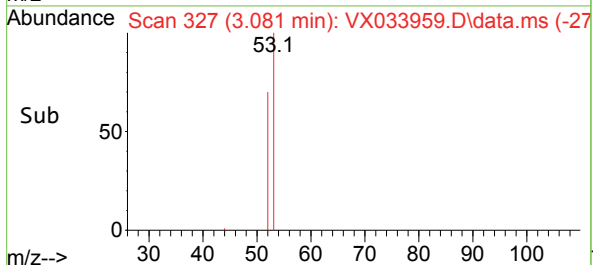
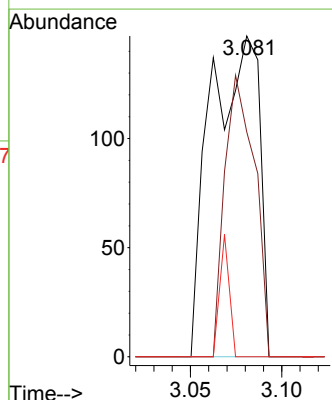
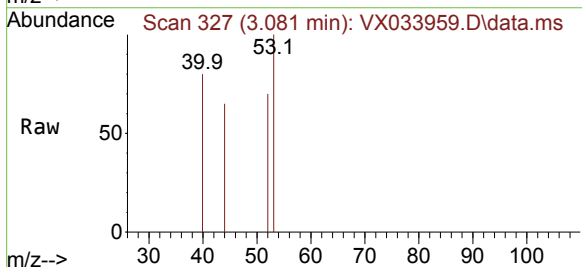
Tgt Ion: 53 Resp: 271

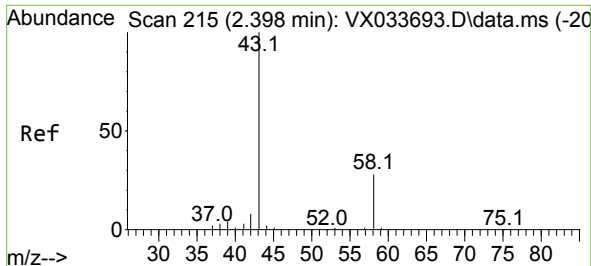
Ion Ratio Lower Upper

53 100

52 54.2 65.7 98.5#

51 7.4 29.0 43.4#

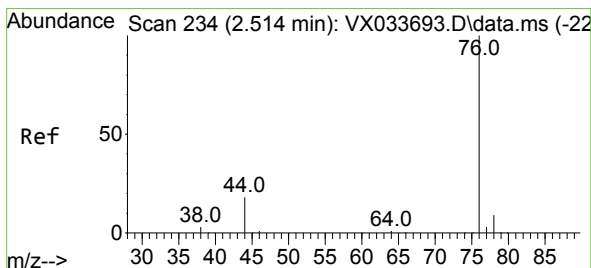
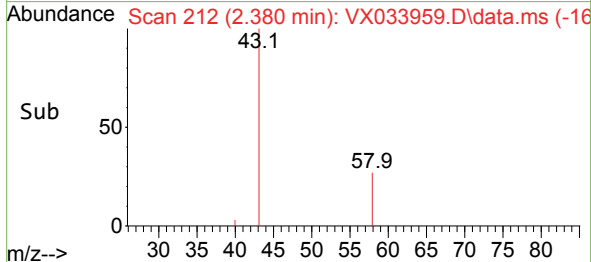
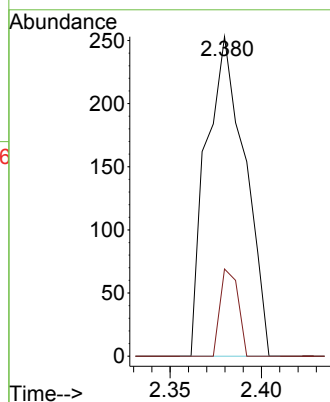
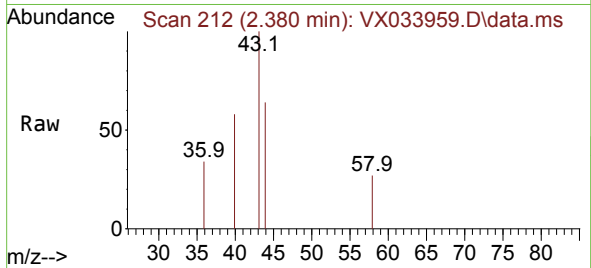




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 215
Delta R.T. -0.018 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

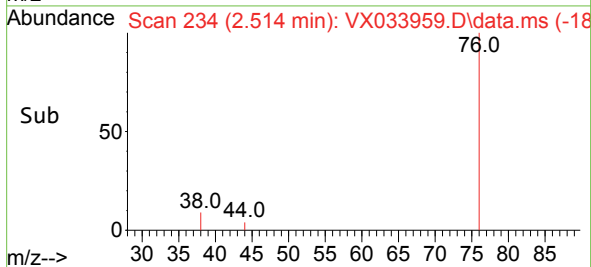
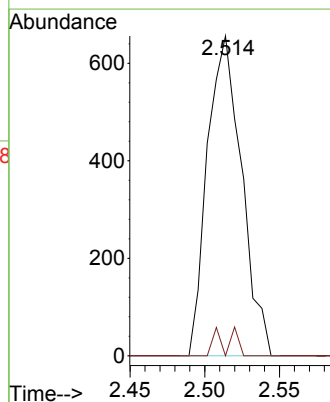
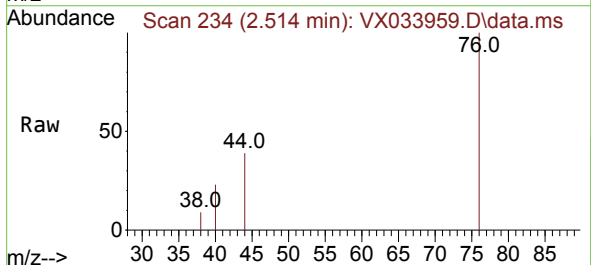
Instrument :
MSVOA_X
ClientSampleId :
VX0131MBL01

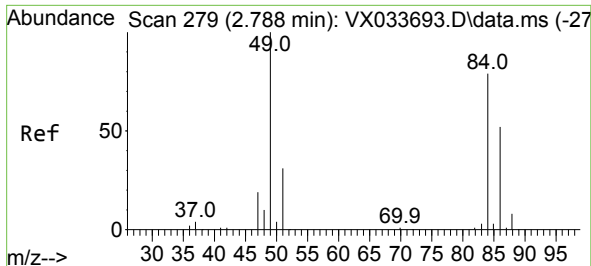
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
58 27.3 22.6 33.8



#17
Carbon Disulfide
Concen: 2.123 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

Tgt Ion: 76 Resp: 1046
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

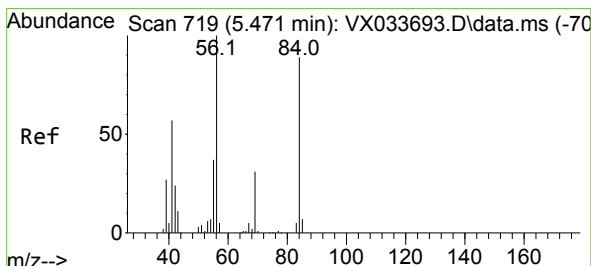
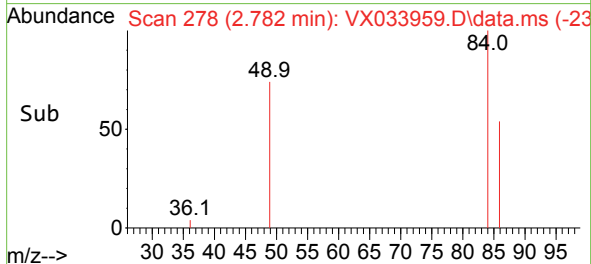
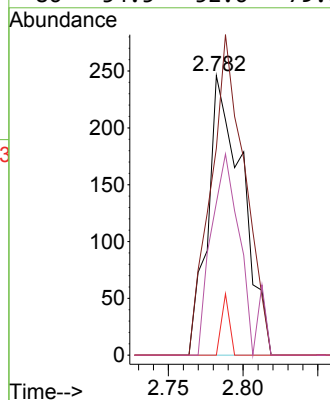
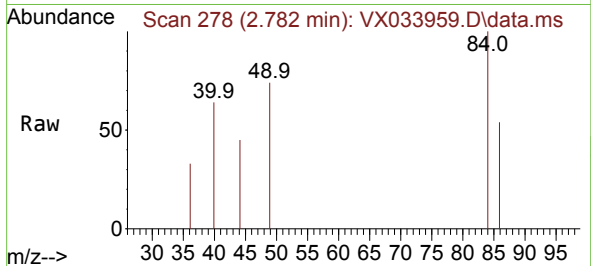




#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

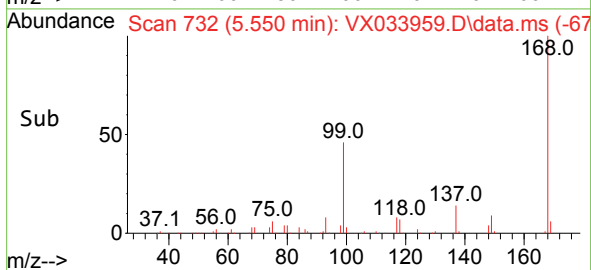
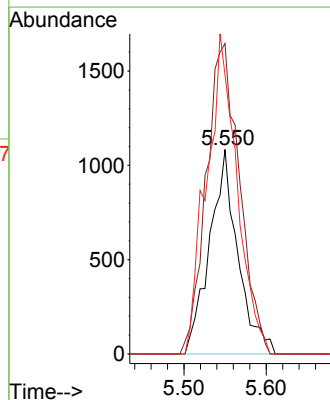
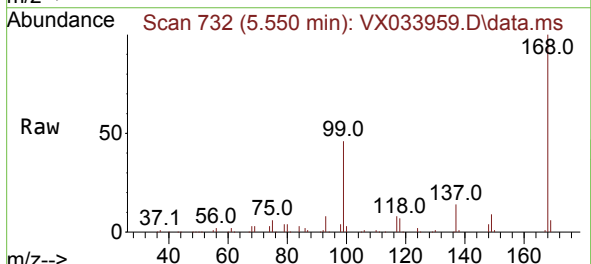
Instrument :
MSVOA_X
ClientSampleId :
VX0131MBL01

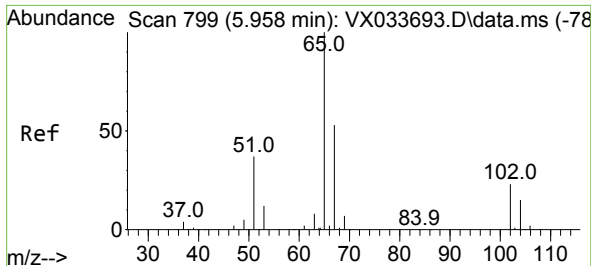
Tgt Ion: 84	Resp:	395
Ion	Ratio	Lower Upper
84	100	
49	74.0	101.1 151.7#
51	0.0	31.0 46.6#
86	54.5	52.6 79.0



#31
Cyclohexane
Concen: 1.028 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

Tgt Ion: 56	Resp:	2588
Ion	Ratio	Lower Upper
56	100	
69	151.8	24.6 37.0#
84	136.6	71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.958 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033959.D

Acq: 31 Jan 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

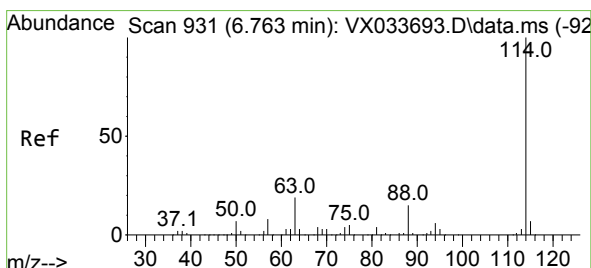
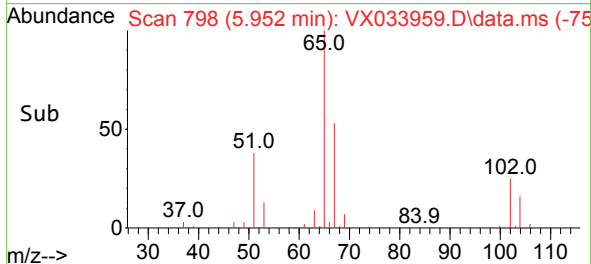
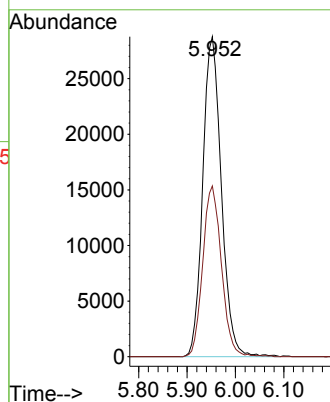
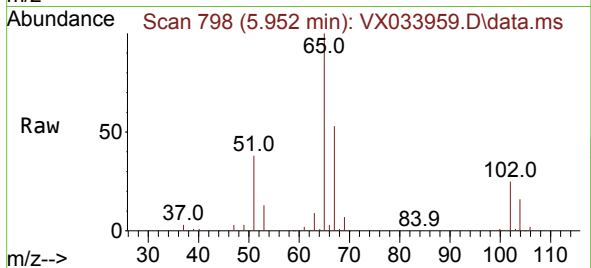
VX0131MBL01

Tgt Ion: 65 Resp: 76950

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: VX033959.D

Acq: 31 Jan 2023 10:18

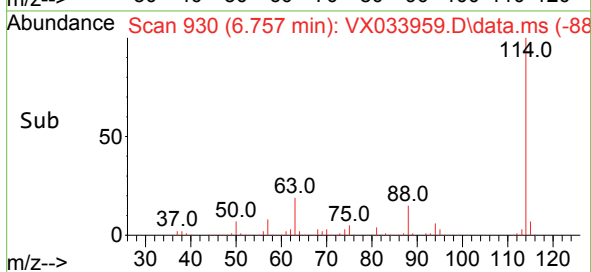
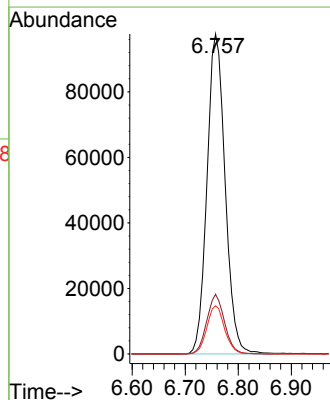
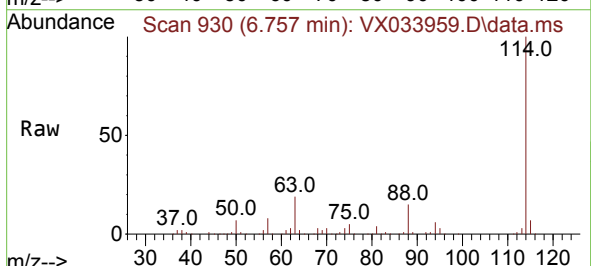
Tgt Ion: 114 Resp: 232243

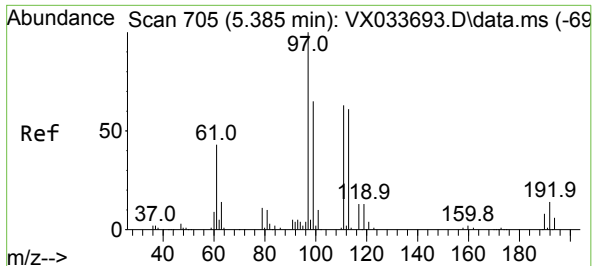
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

88 15.0 0.0 30.6

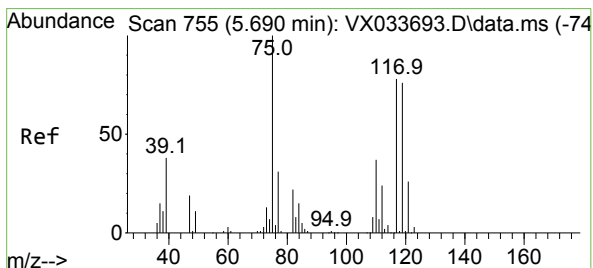
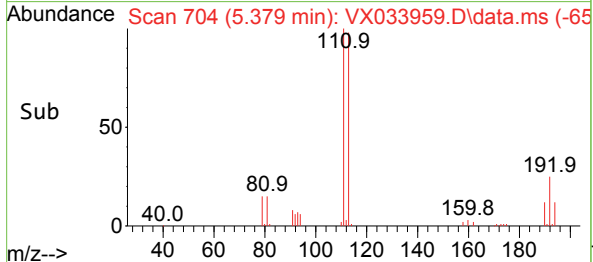
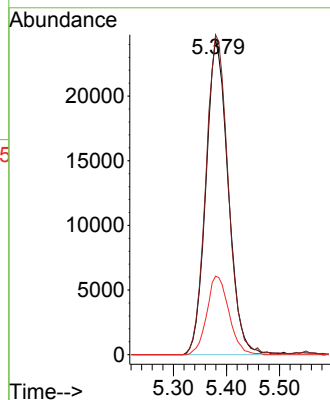
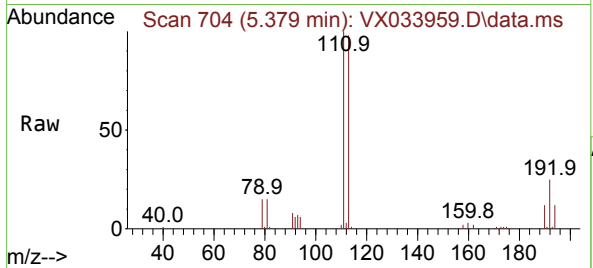




#35
Dibromofluoromethane
Concen: 49.151 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

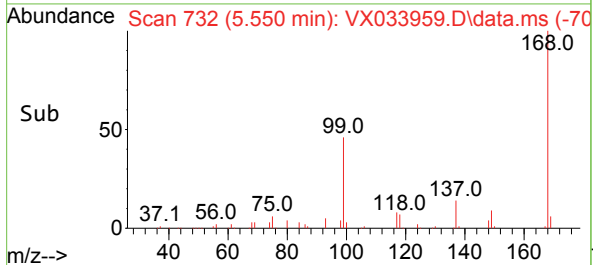
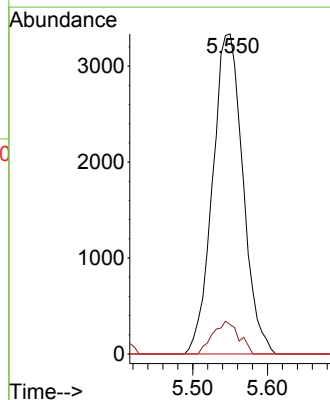
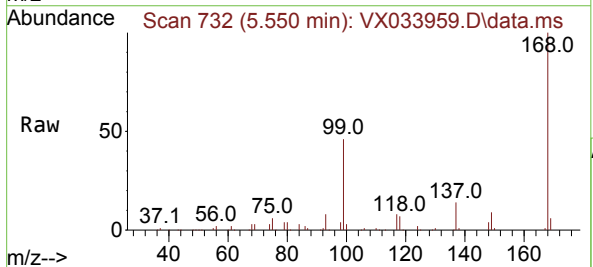
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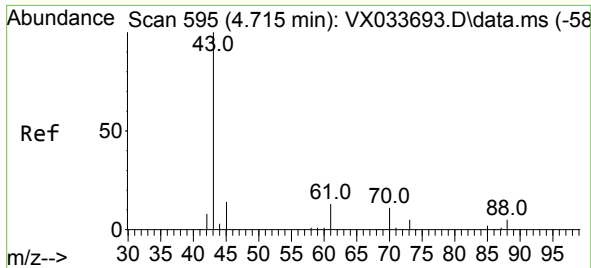
Tgt Ion:113 Resp: 70881
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.6
192 24.8 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.466 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

Tgt Ion: 75 Resp: 9399
Ion Ratio Lower Upper
75 100
110 8.7 18.8 56.4#
77 0.0 25.1 37.7#

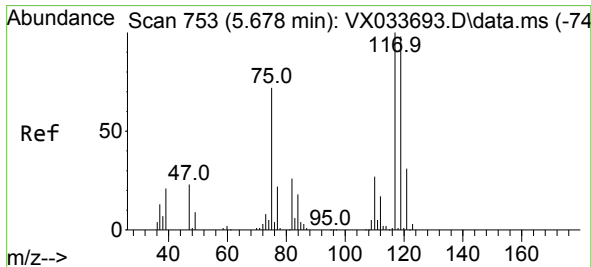
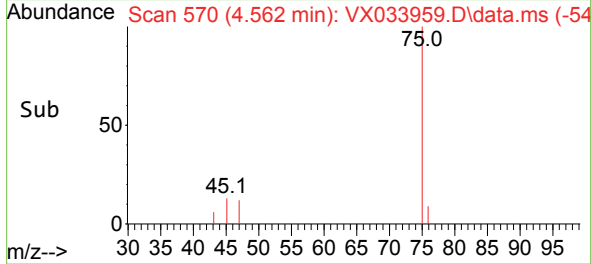
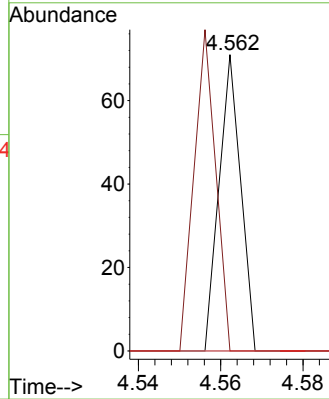
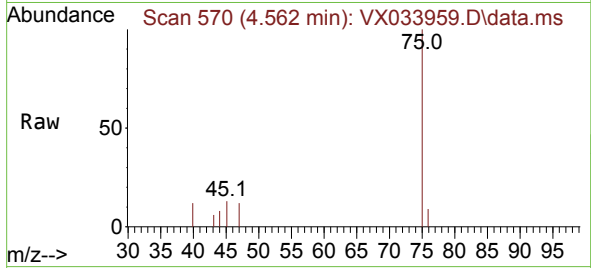




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.562 min Scan# 51
Delta R.T. -0.153 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

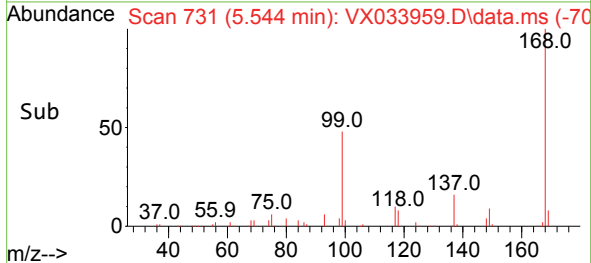
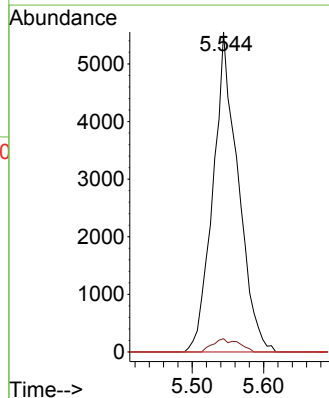
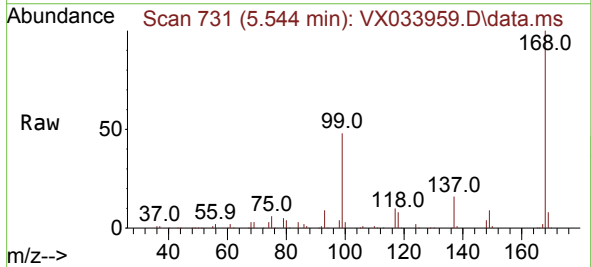
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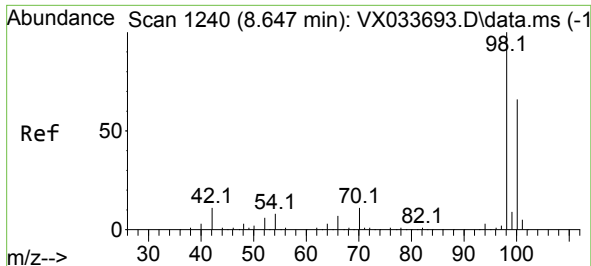
Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
61 107.7 11.1 16.7#
70 0.0 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 6.202 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

Tgt Ion: 117 Resp: 13520
Ion Ratio Lower Upper
117 100
119 4.1 78.0 117.0#
121 0.0 24.4 36.6#

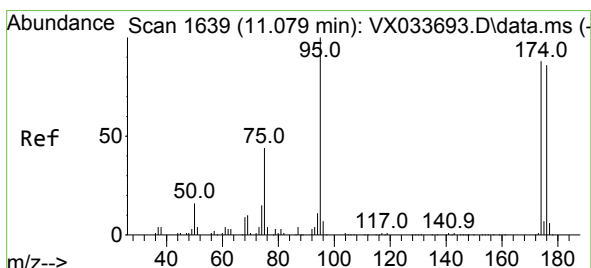
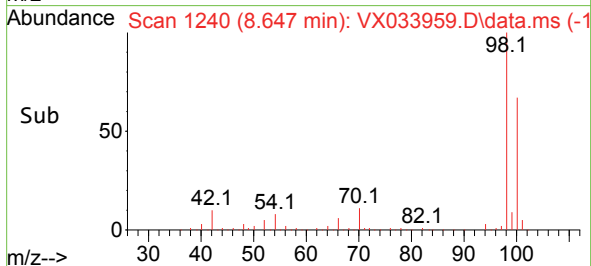
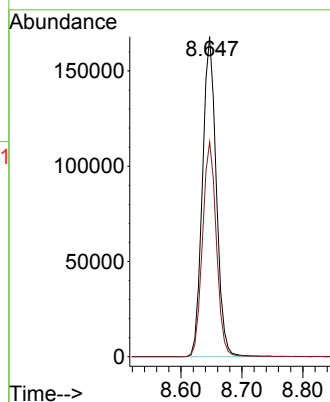
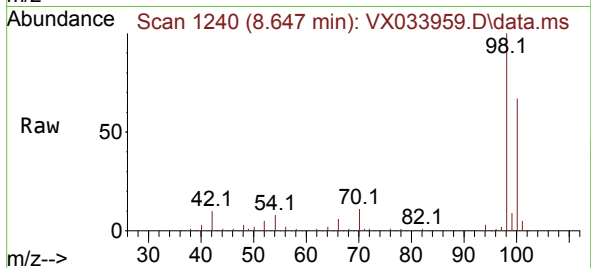




#50
Toluene-d8
Concen: 50.372 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

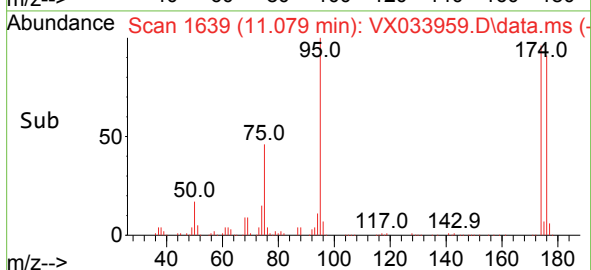
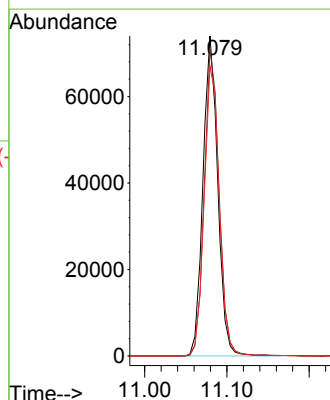
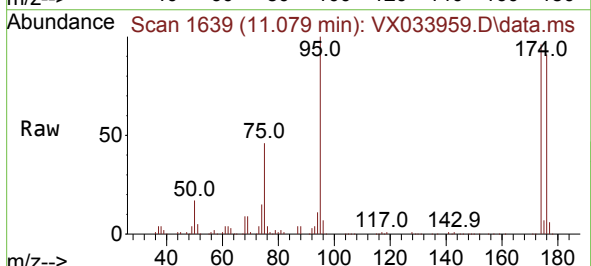
Instrument :
MSVOA_X
ClientSampleId :
VX0131MBL01

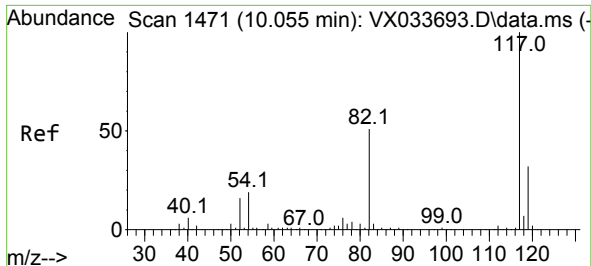
Tgt Ion: 98 Resp: 264672
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 47.244 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

Tgt Ion: 95 Resp: 92165
Ion Ratio Lower Upper
95 100
174 96.2 0.0 184.4
176 92.8 0.0 178.8

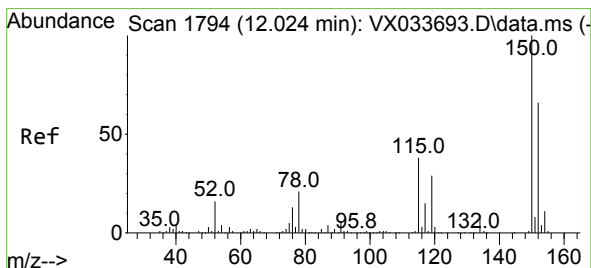
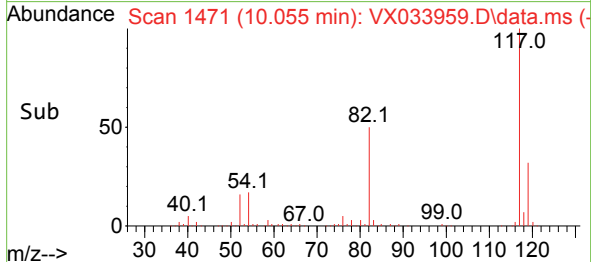
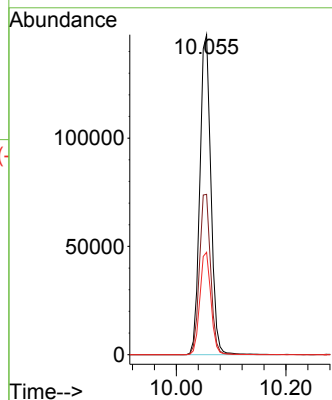
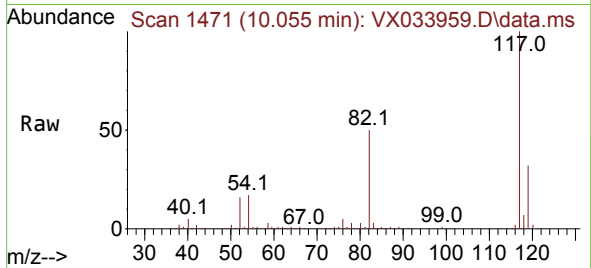




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

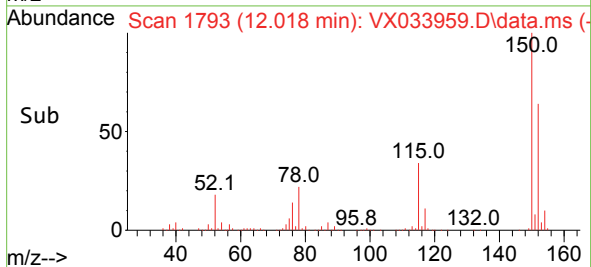
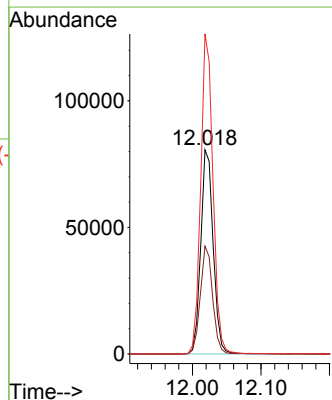
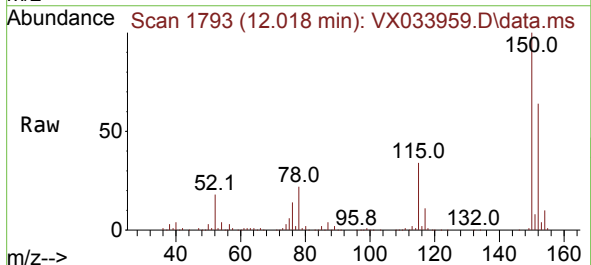
Instrument :
MSVOA_X
ClientSampleId :
VX0131MBL01

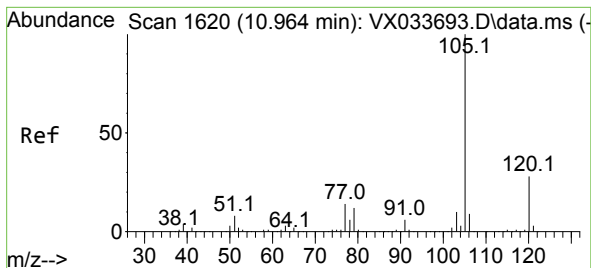
Tgt Ion:117 Resp: 207399
Ion Ratio Lower Upper
117 100
82 50.1 40.6 60.8
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

Tgt Ion:152 Resp: 102038
Ion Ratio Lower Upper
152 100
115 52.5 38.7 116.1
150 154.6 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 10.957 min Scan# 1619

Delta R.T. -0.007 min

Lab File: VX033959.D

Acq: 31 Jan 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

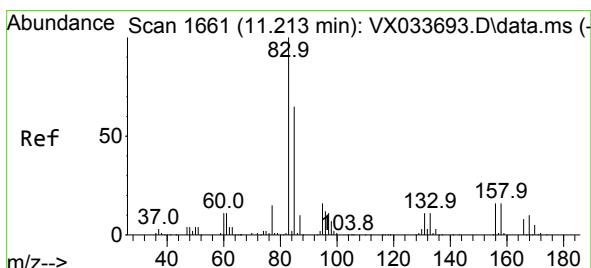
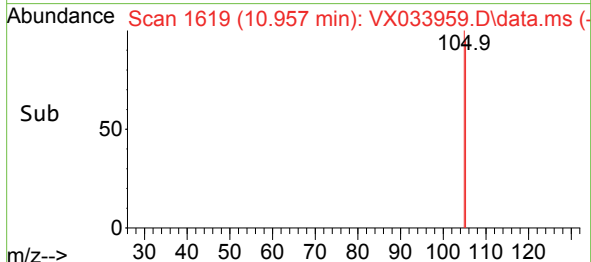
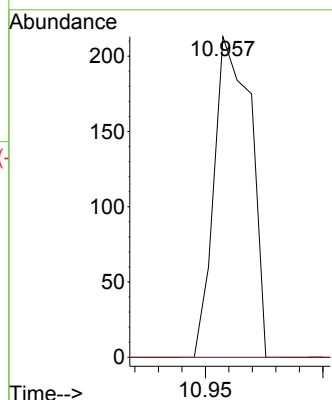
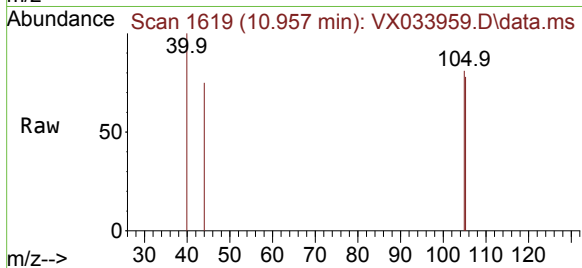
VX0131MBL01

Tgt Ion:105 Resp: 231

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.214 min Scan# 1661

Delta R.T. 0.001 min

Lab File: VX033959.D

Acq: 31 Jan 2023 10:18

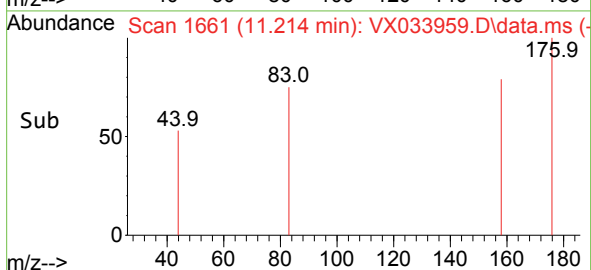
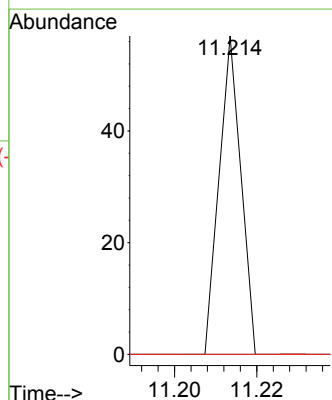
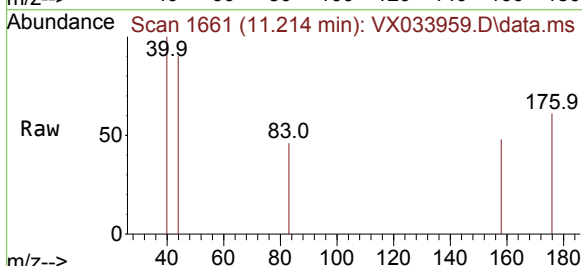
Tgt Ion: 83 Resp: 21

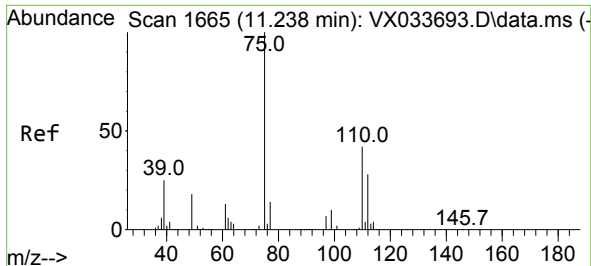
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 0.0 32.3 96.9#

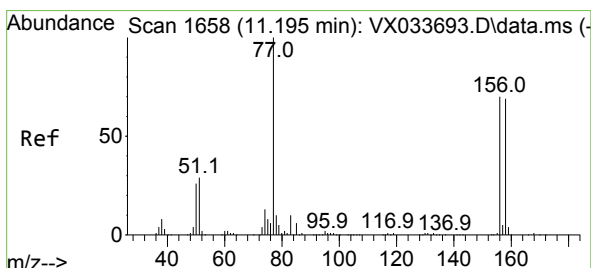
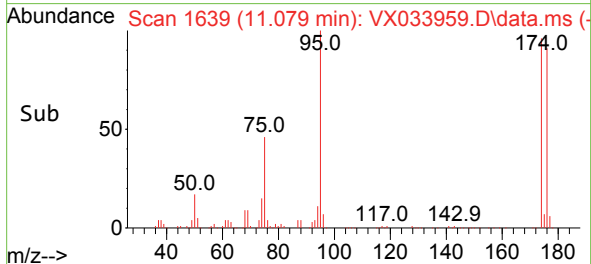
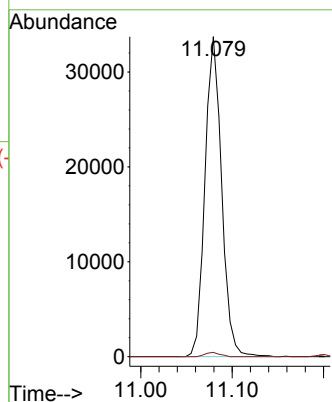
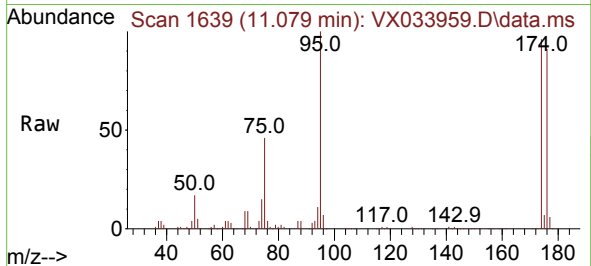




#76
1,2,3-Trichloropropane
Concen: 22.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

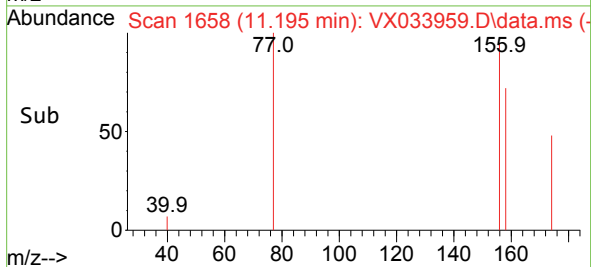
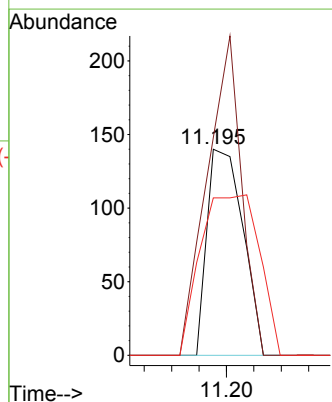
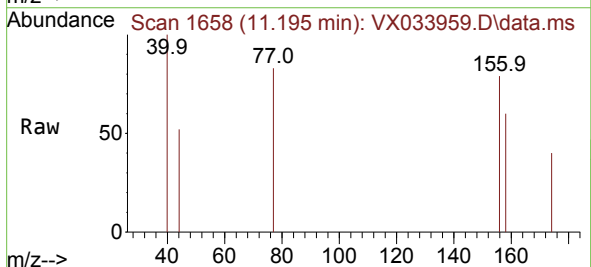
Instrument :
MSVOA_X
ClientSampleId :
VX0131MBL01

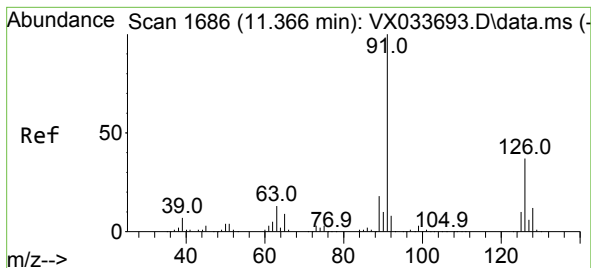
Tgt Ion: 75 Resp: 42494
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#77
Bromobenzene
Concen: Below Cal
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

Tgt Ion:156 Resp: 127
Ion Ratio Lower Upper
156 100
77 148.8 68.1 204.3
158 128.3 48.0 144.2





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.457 min Scan# 1

Delta R.T. 0.091 min

Lab File: VX033959.D

Acq: 31 Jan 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

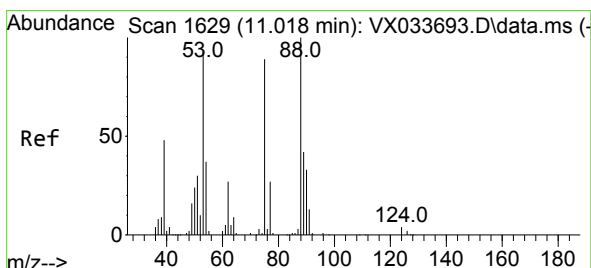
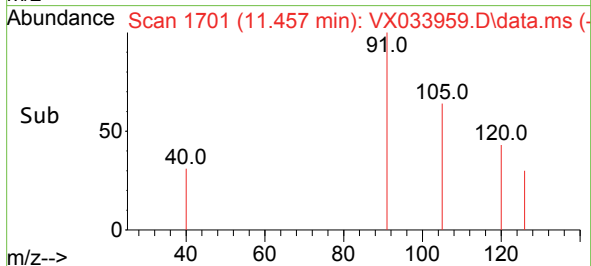
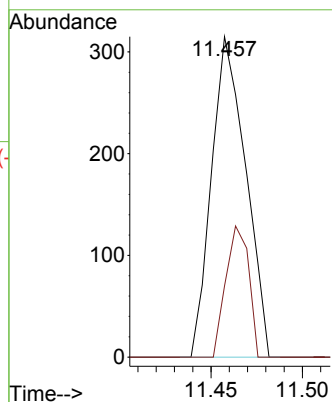
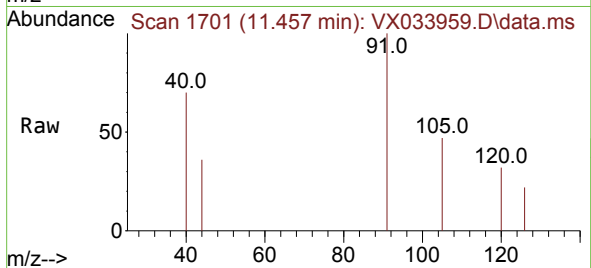
VX0131MBL01

Tgt Ion: 91 Resp: 410

Ion Ratio Lower Upper

91 100

126 27.3 18.1 54.1



#81

trans-1,4-Dichloro-2-butene

Concen: 70.443 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033959.D

Acq: 31 Jan 2023 10:18

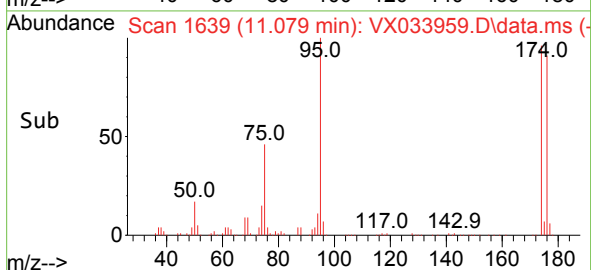
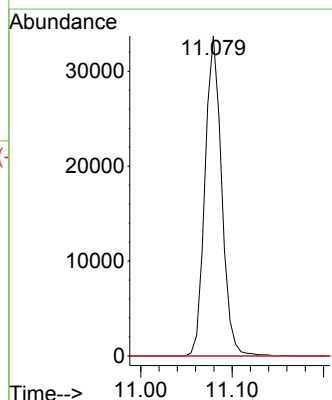
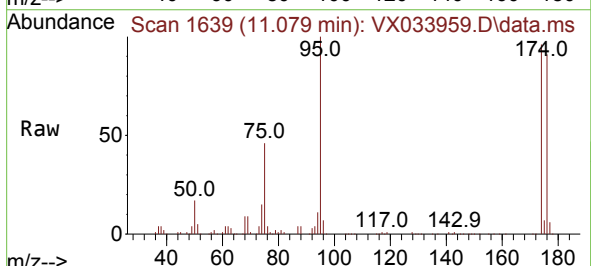
Tgt Ion: 75 Resp: 42494

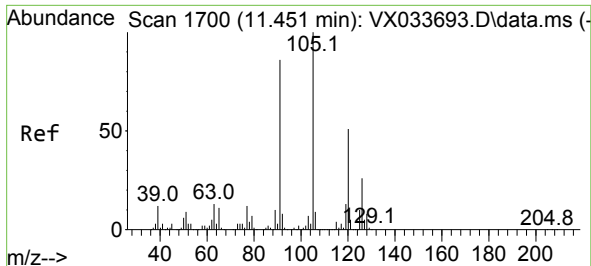
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#

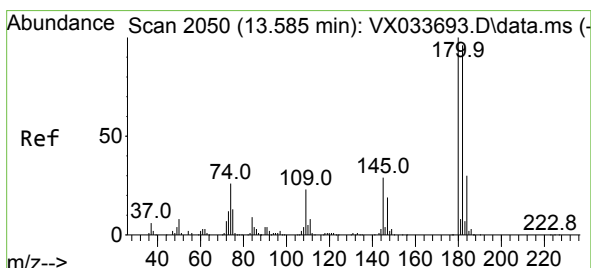
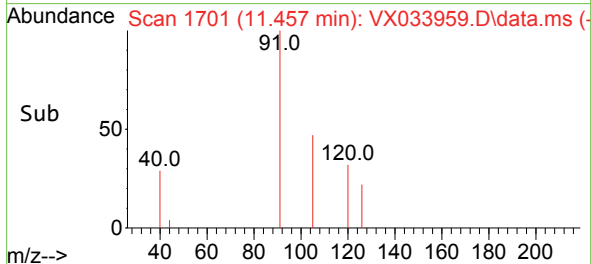
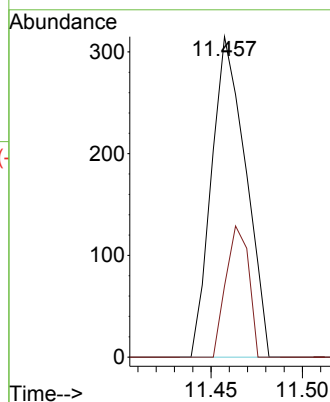
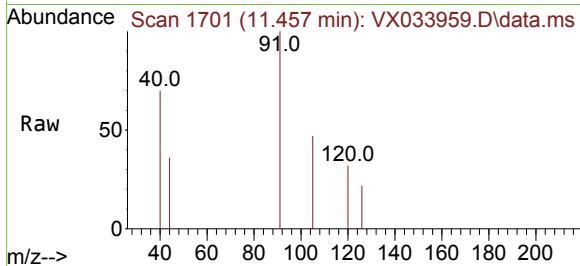




#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

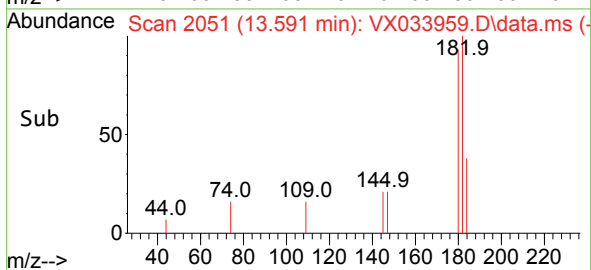
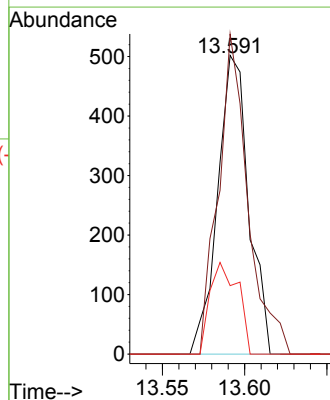
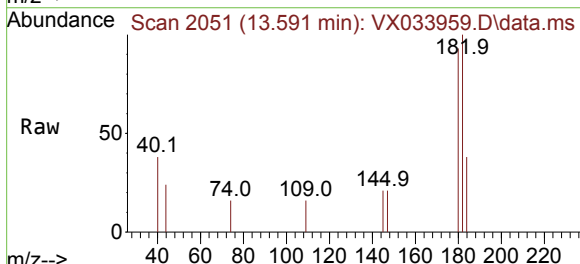
Instrument :
MSVOA_X
ClientSampleId :
VX0131MBL01

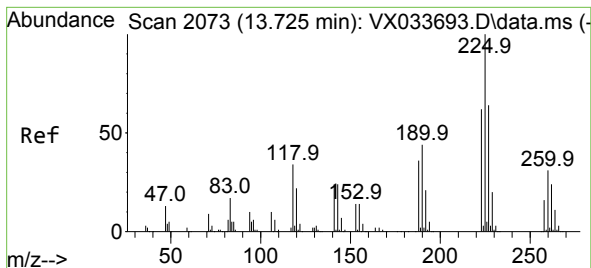
Tgt Ion: 91 Resp: 410
Ion Ratio Lower Upper
91 100
126 27.3 15.8 47.4



#93
1,2,4-Trichlorobenzene
Concen: 0.295 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX033959.D
Acq: 31 Jan 2023 10:18

Tgt Ion: 180 Resp: 661
Ion Ratio Lower Upper
180 100
182 102.0 47.9 143.6
145 27.5 14.1 42.2





#94

Hexachlorobutadiene

Concen: 0.615 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX033959.D

Acq: 31 Jan 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

VX0131MBL01

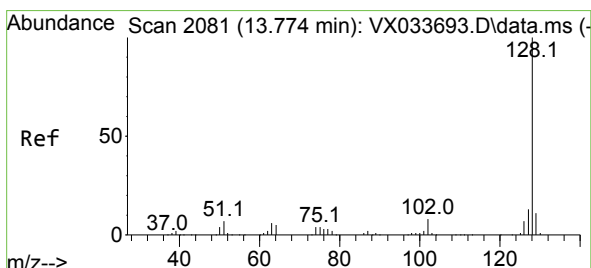
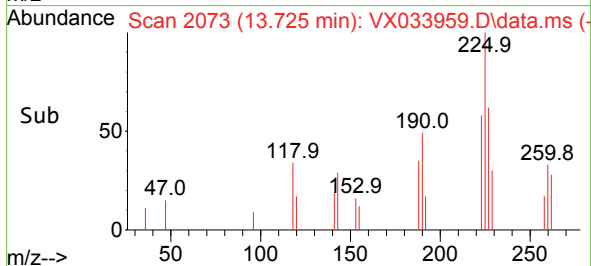
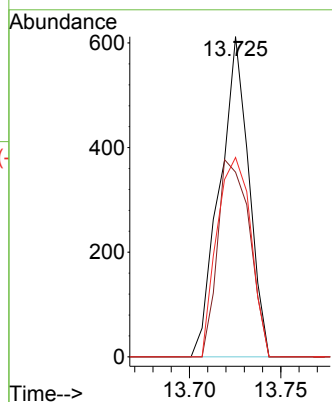
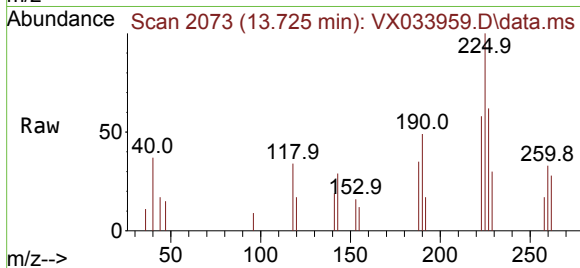
Tgt Ion:225 Resp: 675

Ion Ratio Lower Upper

225 100

223 68.1 31.3 93.9

227 72.7 32.3 96.9



#95

Naphthalene

Concen: 0.278 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX033959.D

Acq: 31 Jan 2023 10:18

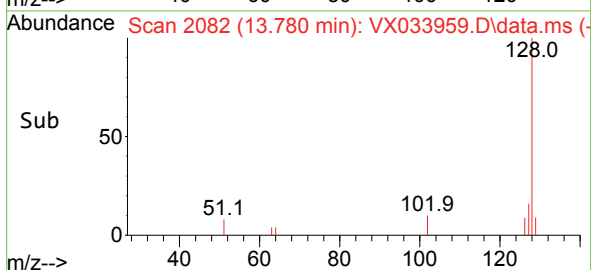
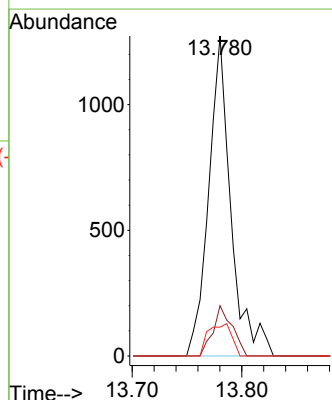
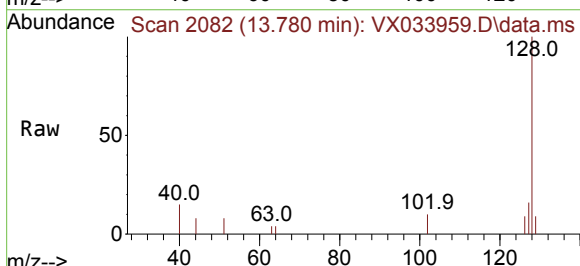
Tgt Ion:128 Resp: 1795

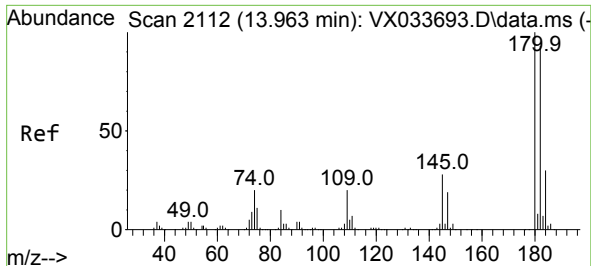
Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

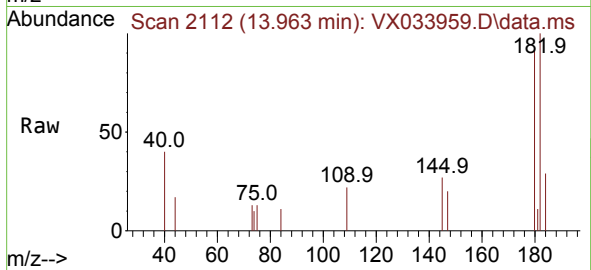
129 10.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.284 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX033959.D
 Acq: 31 Jan 2023 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131MBL01



Tgt Ion:	180	Resp:	637
Ion	Ratio	Lower	Upper
180	100		
182	107.1	47.6	142.9
145	26.4	15.1	45.3

