

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039160.D
 Acq On : 12 Dec 2023 13:08
 Operator : JC/MD
 Sample : 05639-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E8965C-CC-001

Quant Time: Dec 13 04:15:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

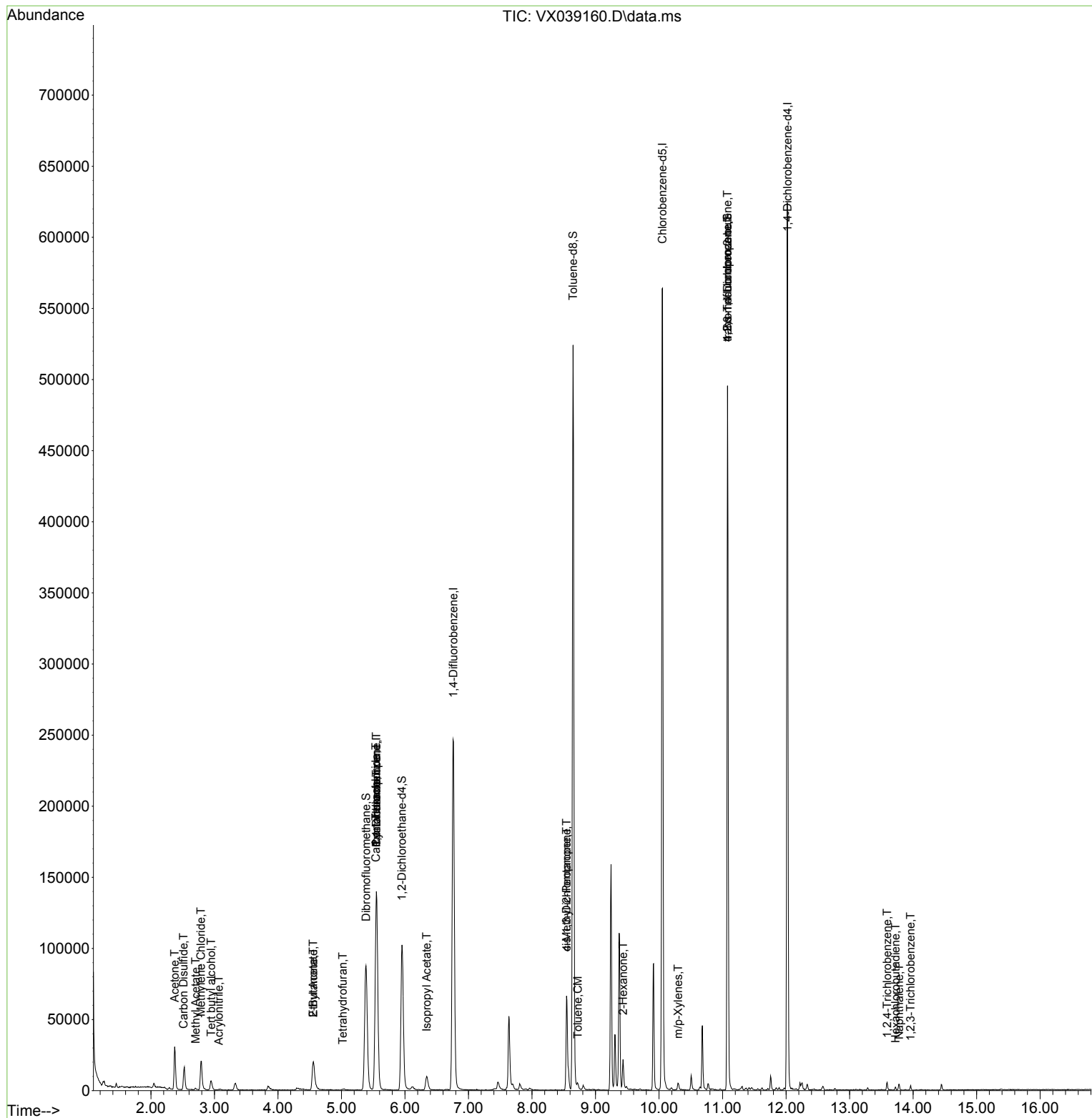
Internal Standards						
1) Pentafluorobenzene	5.550	168	121089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	244706	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101226	51.880	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.760%			
35) Dibromofluoromethane	5.385	113	78344	44.329	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.660%			
50) Toluene-d8	8.647	98	309915	45.833	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.660%#			
62) 4-Bromofluorobenzene	11.079	95	136728	50.512	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.020%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	7644	14.086	ug/l #	92
15) Acrylonitrile	3.068	53	353	0.308	ug/l #	66
16) Acetone	2.373	43	31236	30.073	ug/l	94
17) Carbon Disulfide	2.514	76	1840	0.394	ug/l #	84
18) Methyl Acetate	2.703	43	1419	0.288	ug/l	92
20) Methylene Chloride	2.788	84	10088	5.388	ug/l	98
25) 2-Butanone	4.556	43	33751	20.038	ug/l	97
29) Tetrahydrofuran	5.019	42	304	0.284	ug/l #	34
31) Cyclohexane	5.550	56	3545	1.273	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11983	4.731	ug/l #	50
37) Ethyl Acetate	4.556	43	33751	10.227	ug/l #	69
38) Carbon Tetrachloride	5.544	117	13933	5.952	ug/l #	14
43) Isopropyl Acetate	6.342	43	14617	2.772	ug/l	99
51) 4-Methyl-2-Pentanone	8.543	43	30099	8.930	ug/l #	37
52) Toluene	8.720	92	1093	0.235	ug/l	98
54) cis-1,3-Dichloropropene	8.543	75	10439	3.187	ug/l #	61
59) 2-Hexanone	9.433	43	13647	5.052	ug/l	96
68) m/p-Xylenes	10.299	106	1280	0.349	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	73301	24.878	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	73301	55.181	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	1122	0.436	ug/l	97
94) Hexachlorobutadiene	13.725	225	384	0.421	ug/l	77
95) Naphthalene	13.780	128	3137	0.327	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	803	0.329	ug/l	99

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

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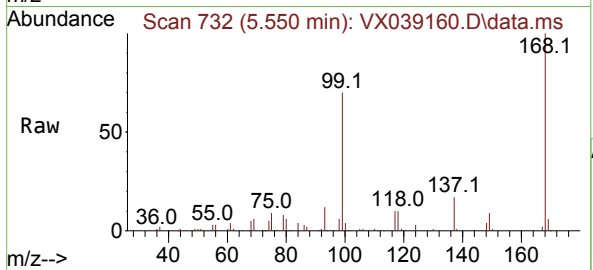
Quant Time: Dec 13 04:15:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
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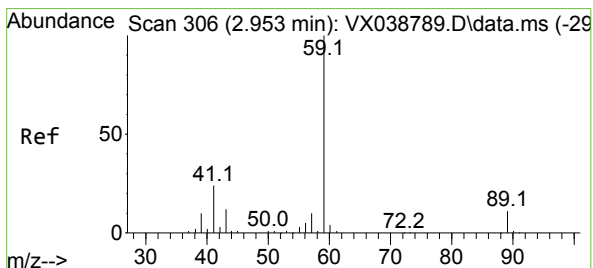
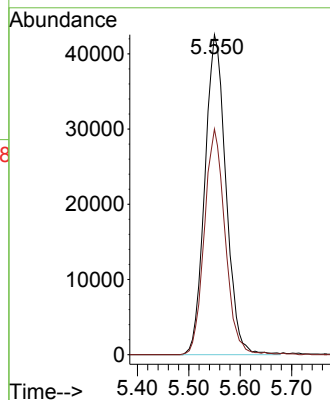
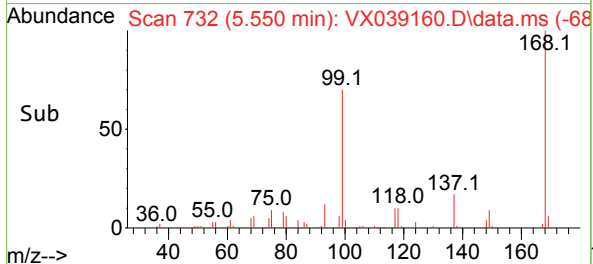


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

Instrument :
MSVOA_X
ClientSampleId :
E8965C-CC-001

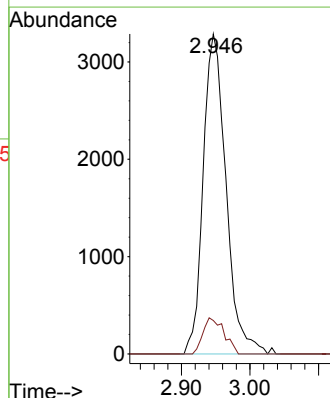
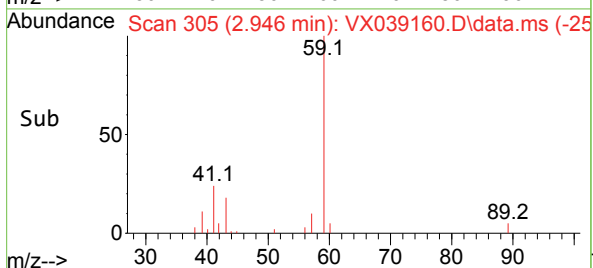
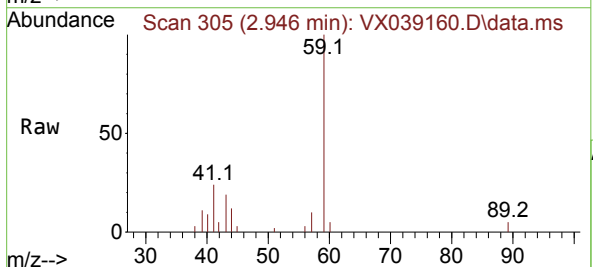


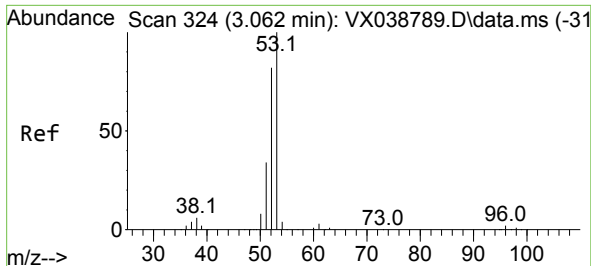
Tgt Ion:168 Resp: 121089
Ion Ratio Lower Upper
168 100
99 70.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 14.086 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

Tgt Ion: 59 Resp: 7644
Ion Ratio Lower Upper
59 100
57 10.4 6.0 9.0#

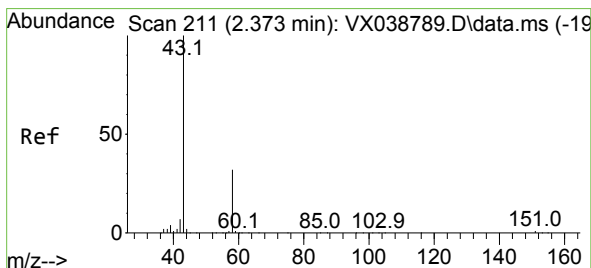
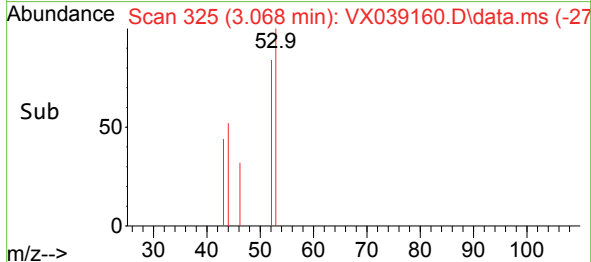
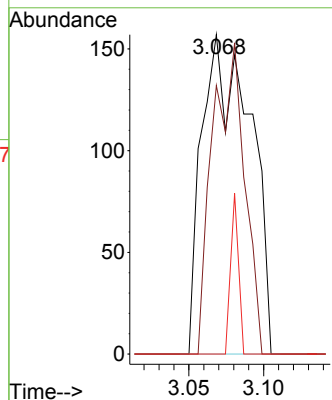
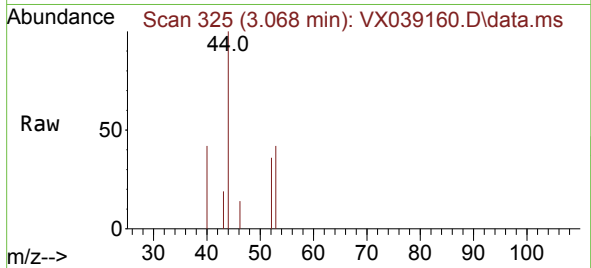




#15
Acrylonitrile
Concen: 0.308 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

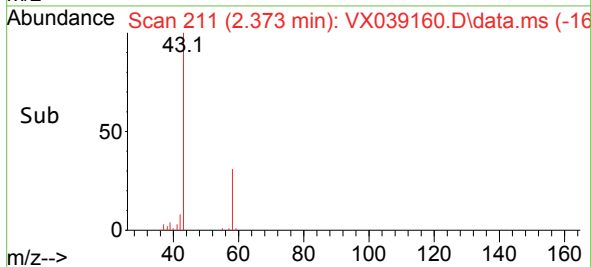
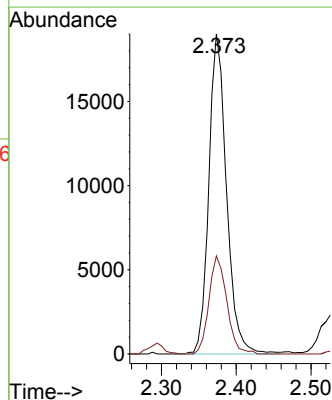
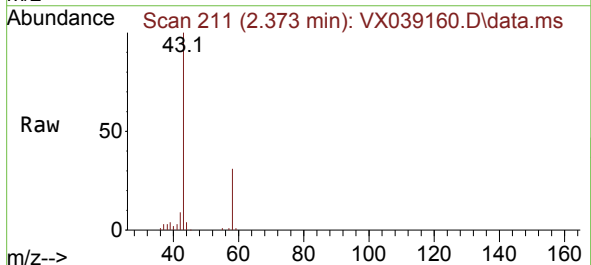
Instrument :
MSVOA_X
ClientSampleId :
E8965C-CC-001

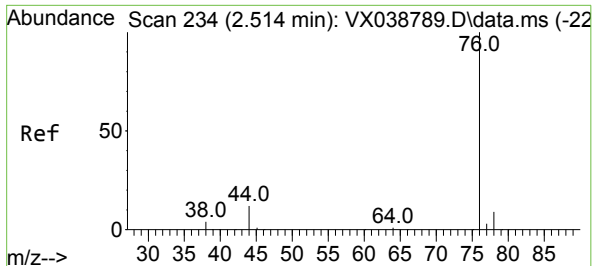
Tgt Ion: 53 Resp: 353
Ion Ratio Lower Upper
53 100
52 64.0 66.0 99.0#
51 0.0 29.8 44.6#



#16
Acetone
Concen: 30.073 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

Tgt Ion: 43 Resp: 31236
Ion Ratio Lower Upper
43 100
58 30.7 21.9 32.9

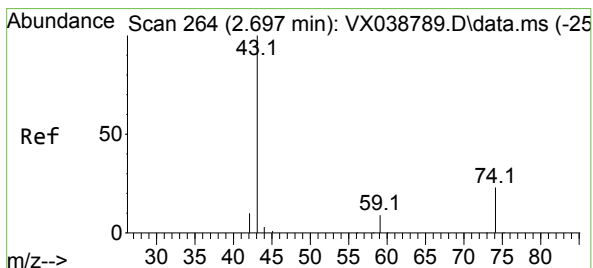
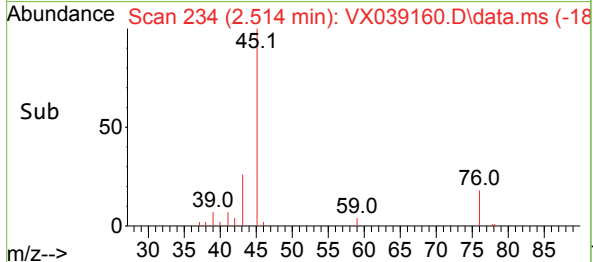
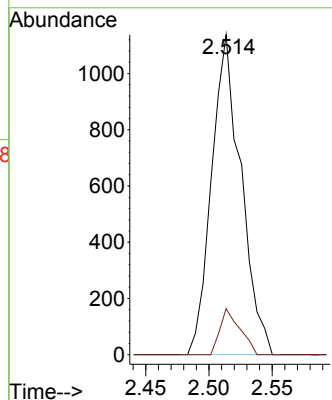
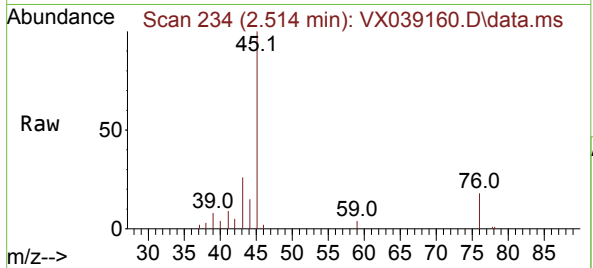




#17
Carbon Disulfide
Concen: 0.394 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

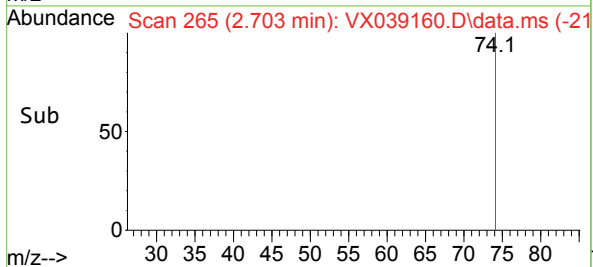
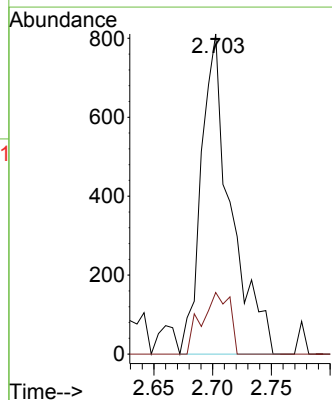
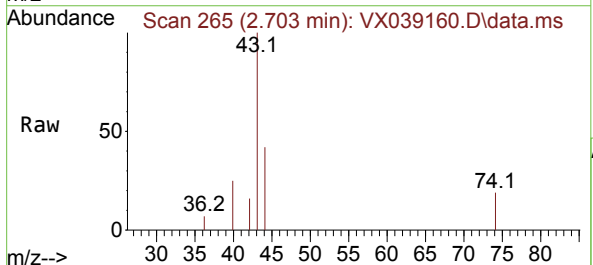
Instrument :
MSVOA_X
ClientSampleId :
E8965C-CC-001

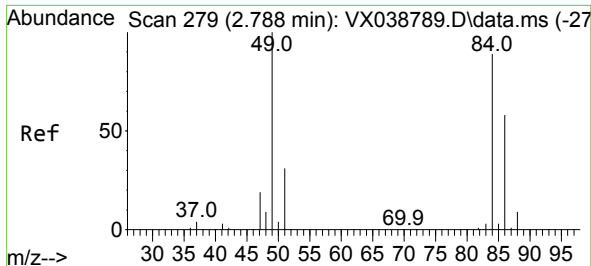
Tgt Ion: 76 Resp: 1840
Ion Ratio Lower Upper
76 100
78 14.4 7.0 10.6#



#18
Methyl Acetate
Concen: 0.288 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

Tgt Ion: 43 Resp: 1419
Ion Ratio Lower Upper
43 100
74 18.3 17.8 26.8

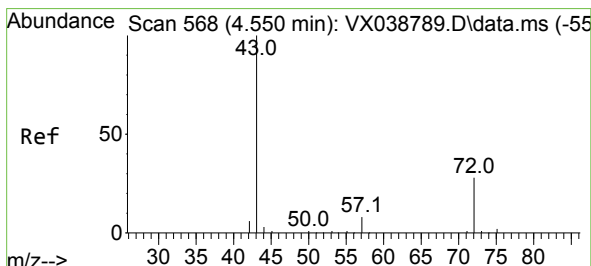
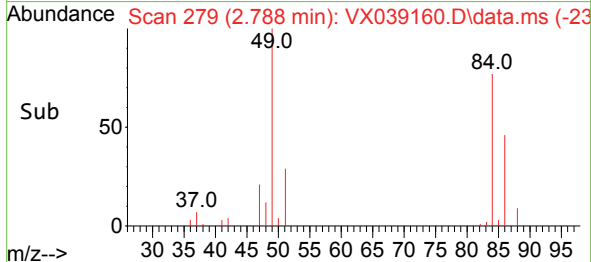
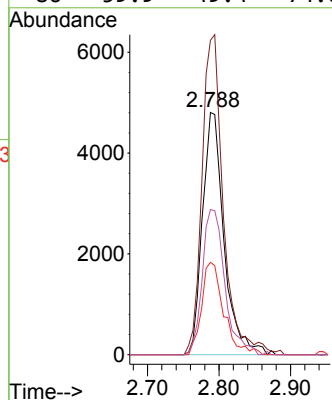
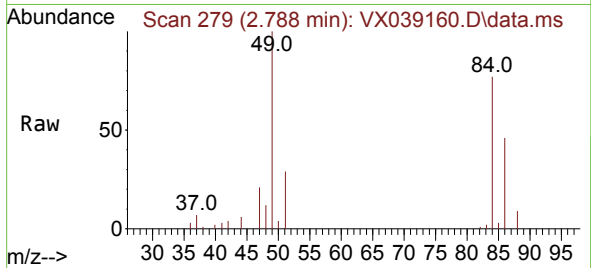




#20
Methylene Chloride
Concen: 5.388 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

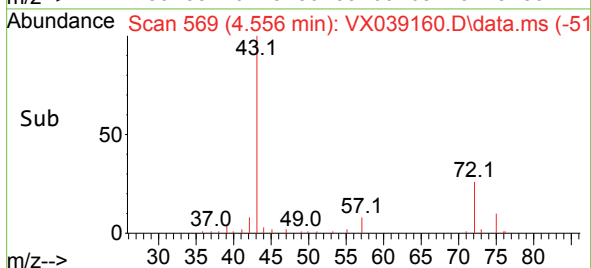
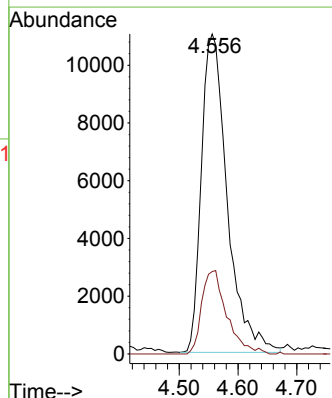
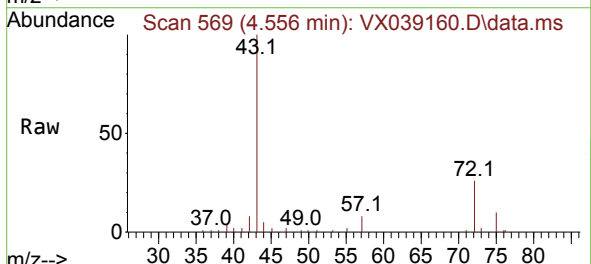
Instrument :
MSVOA_X
ClientSampleId :
E8965C-CC-001

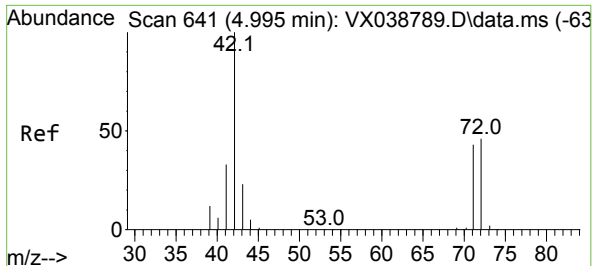
Tgt Ion:	84	Resp:	10088
Ion	Ratio	Lower	Upper
84	100		
49	129.8	103.6	155.4
51	38.1	33.8	50.6
86	59.9	49.4	74.0



#25
2-Butanone
Concen: 20.038 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.006 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

Tgt Ion:	43	Resp:	33751
Ion	Ratio	Lower	Upper
43	100		
72	25.9	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.284 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.024 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

Instrument :

MSVOA_X

ClientSampleId :

E8965C-CC-001

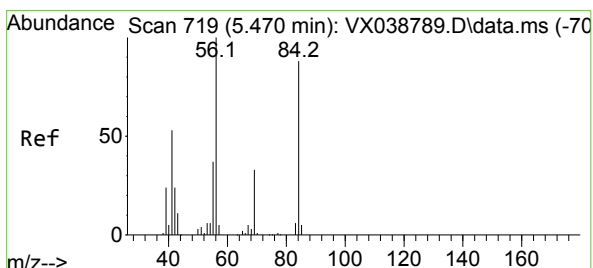
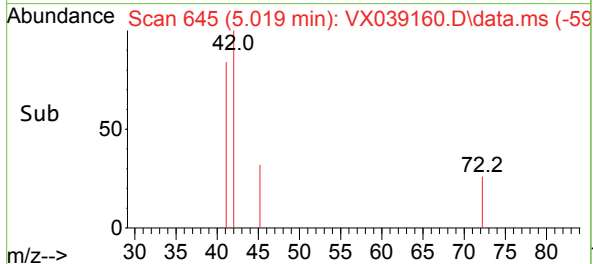
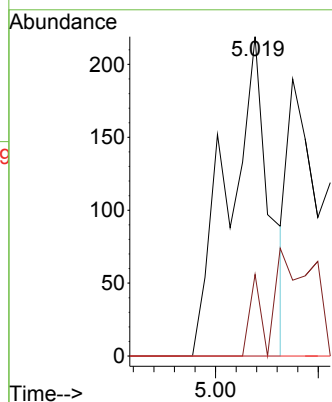
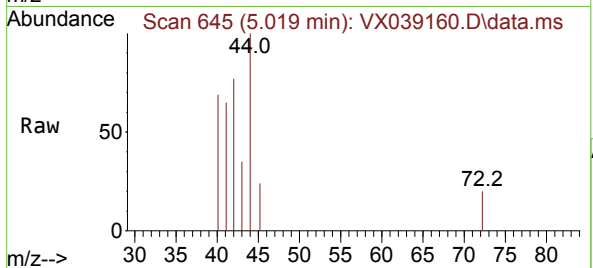
Tgt Ion: 42 Resp: 304

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.273 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

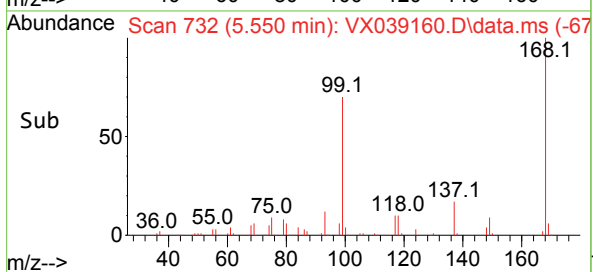
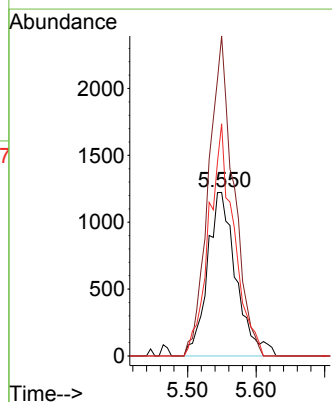
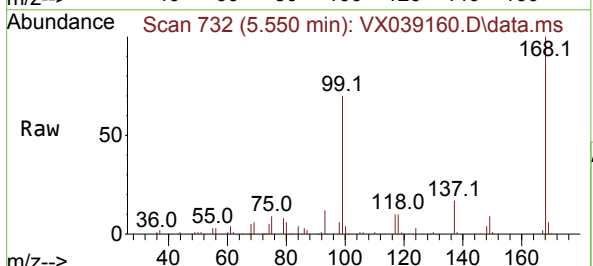
Tgt Ion: 56 Resp: 3545

Ion Ratio Lower Upper

56 100

69 195.7 23.4 35.2#

84 141.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 51.880 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

Instrument :

MSVOA_X

ClientSampleId :

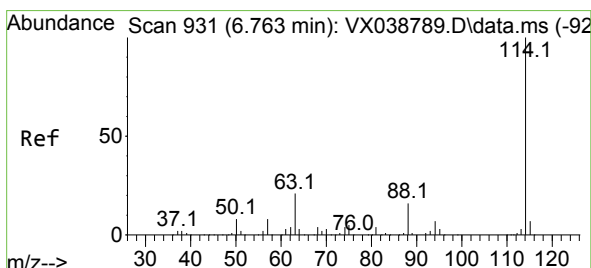
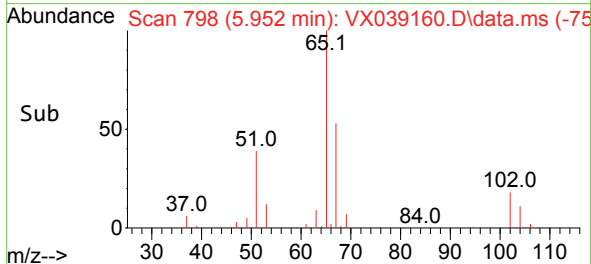
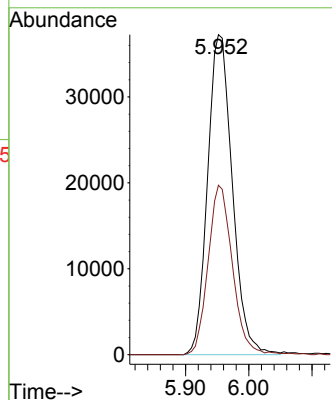
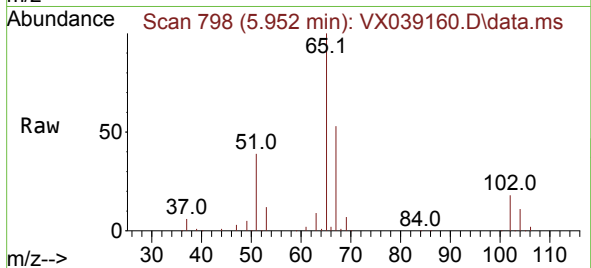
E8965C-CC-001

Tgt Ion: 65 Resp: 101226

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

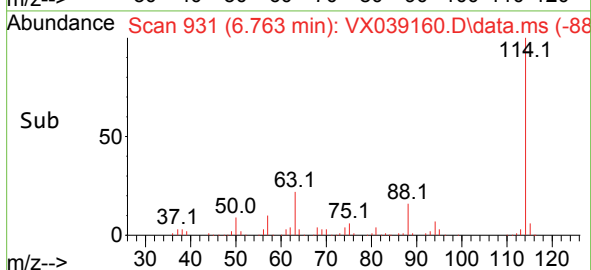
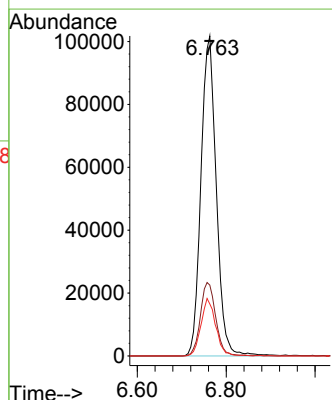
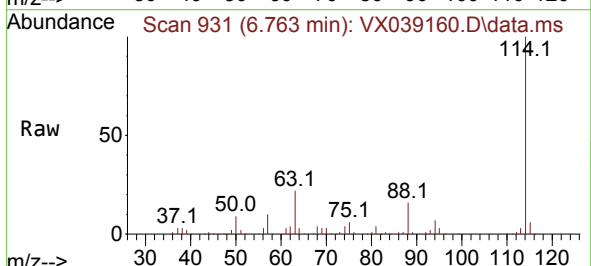
Tgt Ion:114 Resp: 244706

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

88 16.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.329 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

Instrument :

MSVOA_X

ClientSampleId :

E8965C-CC-001

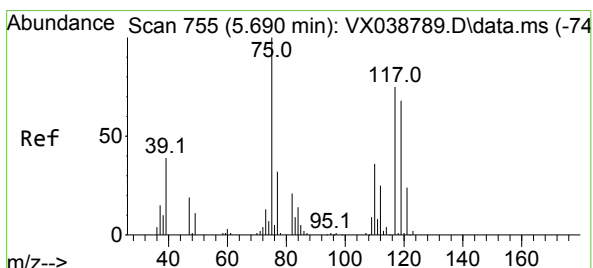
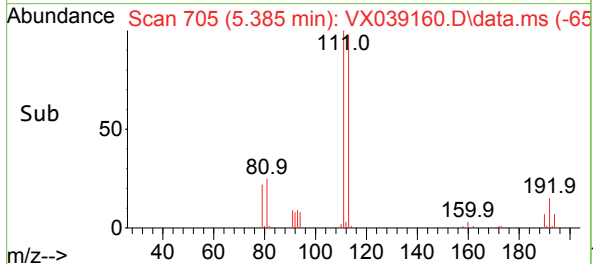
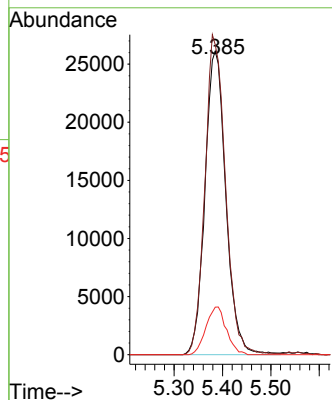
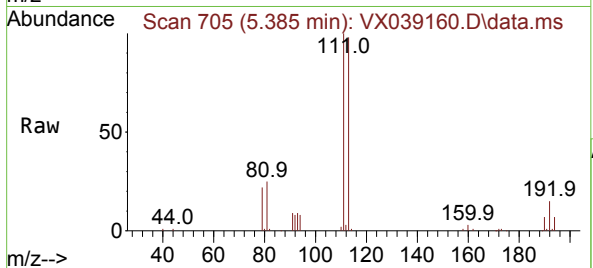
Tgt Ion:113 Resp: 78344

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

192 15.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.731 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

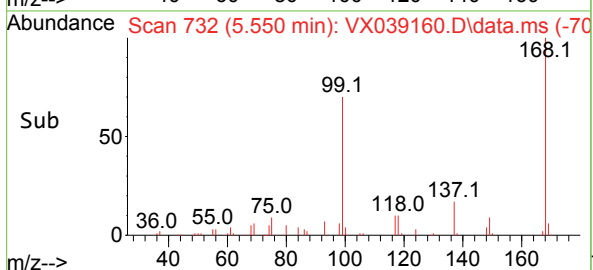
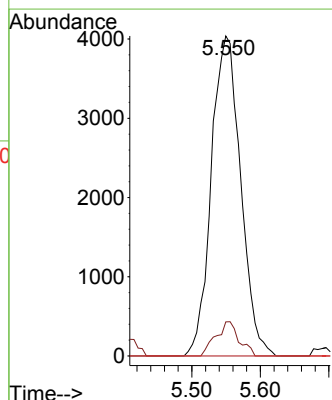
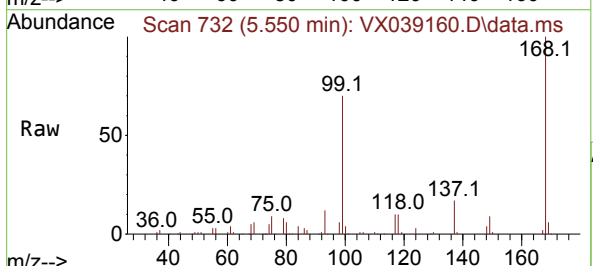
Tgt Ion: 75 Resp: 11983

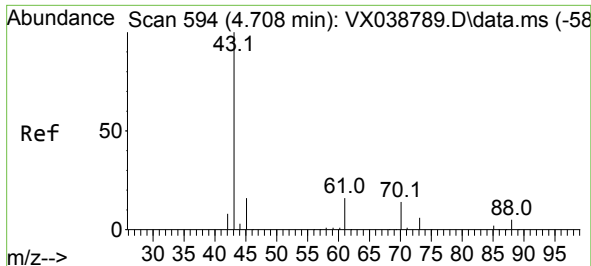
Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 10.227 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.152 min

Lab File: VX039160.D

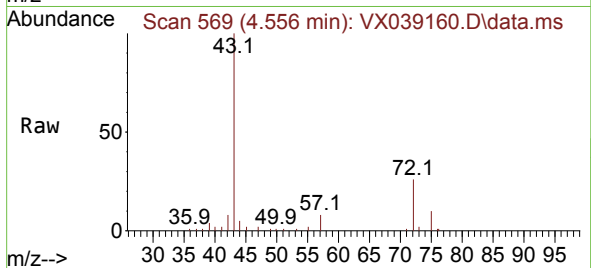
Acq: 12 Dec 2023 13:08

Instrument :

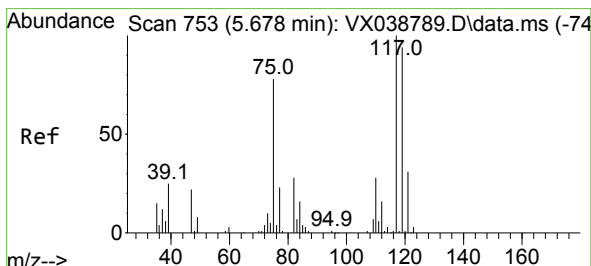
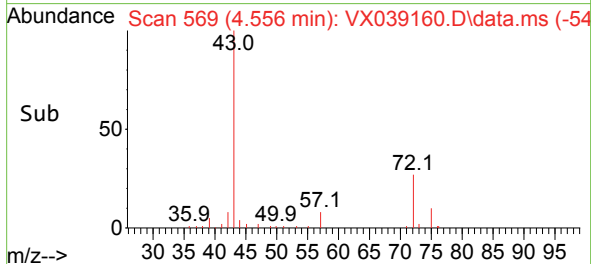
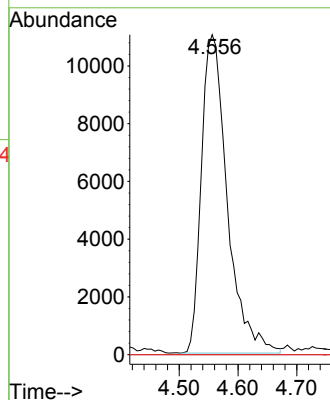
MSVOA_X

ClientSampleId :

E8965C-CC-001



Tgt Ion:	43	Resp:	33751
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.952 ug/l

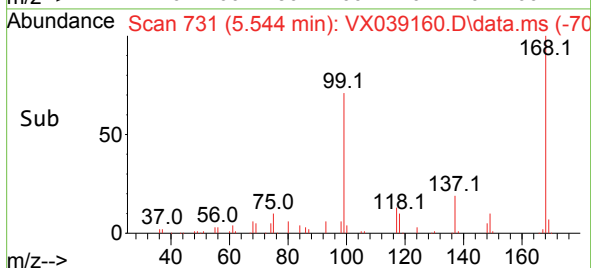
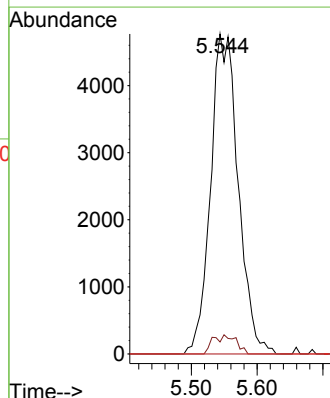
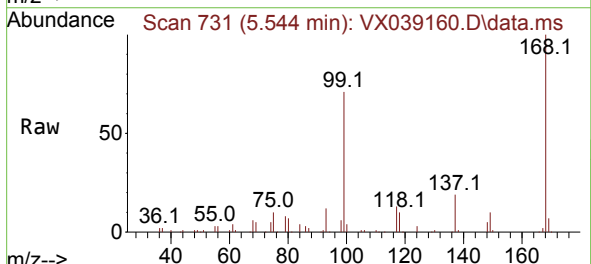
RT: 5.544 min Scan# 731

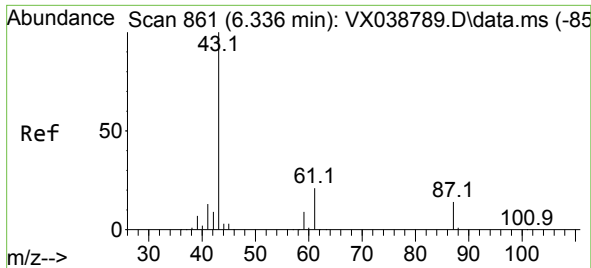
Delta R.T. -0.134 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

Tgt Ion:	117	Resp:	13933
Ion	Ratio	Lower	Upper
117	100		
119	3.7	78.2	117.2#
121	0.0	24.4	36.6#

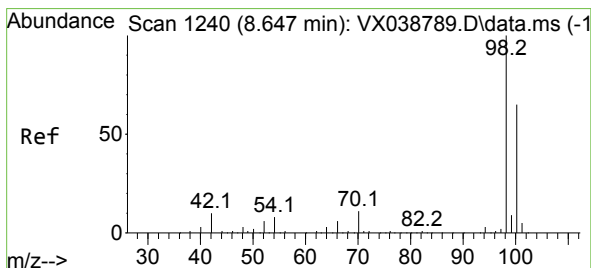
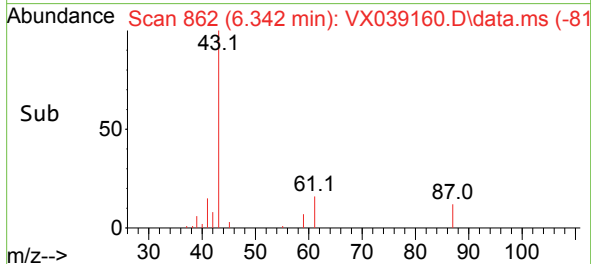
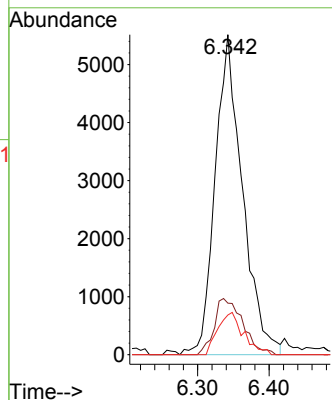
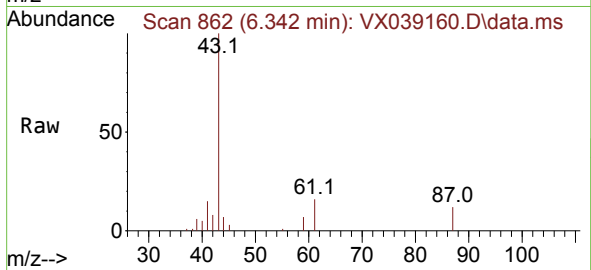




#43
Isopropyl Acetate
Concen: 2.772 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

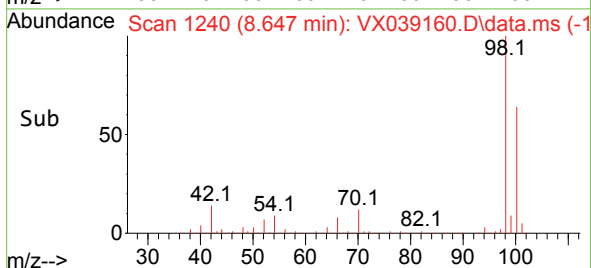
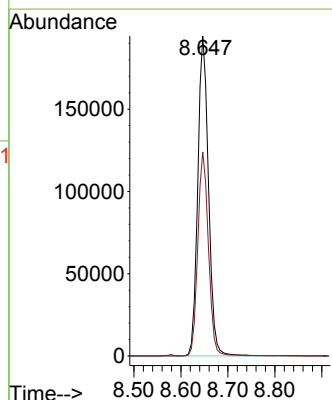
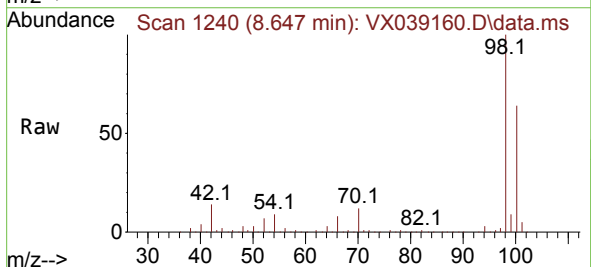
Instrument :
MSVOA_X
ClientSampleId :
E8965C-CC-001

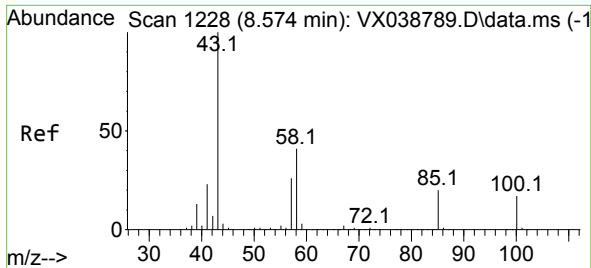
Tgt Ion: 43 Resp: 14617
Ion Ratio Lower Upper
43 100
61 18.4 15.2 22.8
87 12.5 9.8 14.6



#50
Toluene-d8
Concen: 45.833 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

Tgt Ion: 98 Resp: 309915
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7

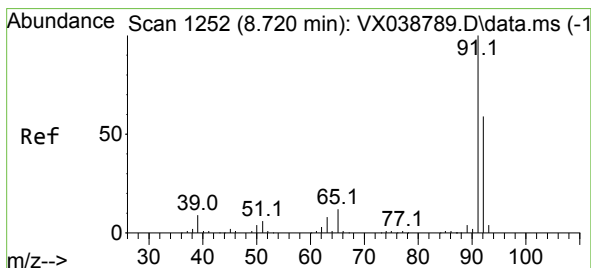
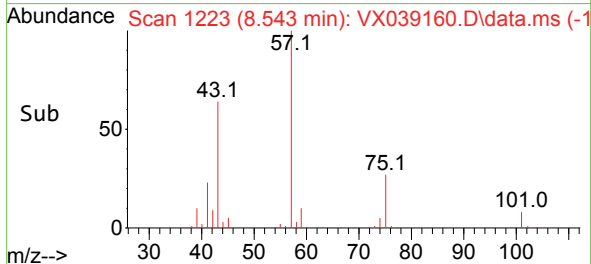
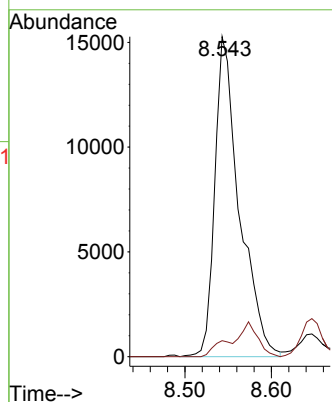
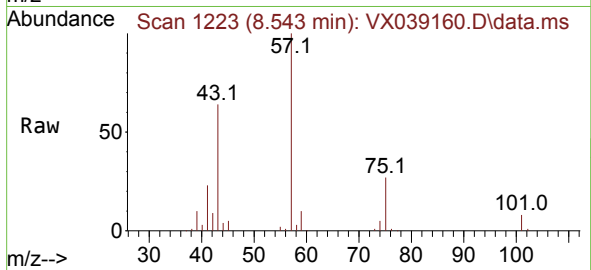




#51
4-Methyl-2-Pentanone
Concen: 8.930 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

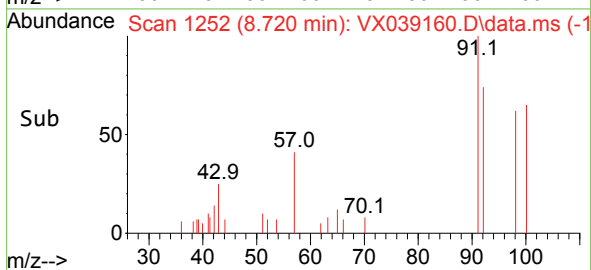
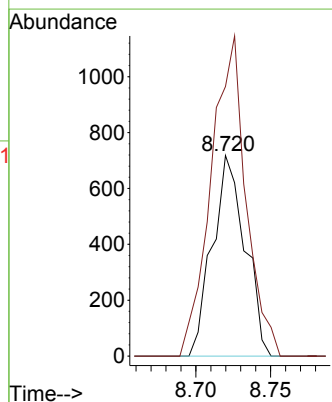
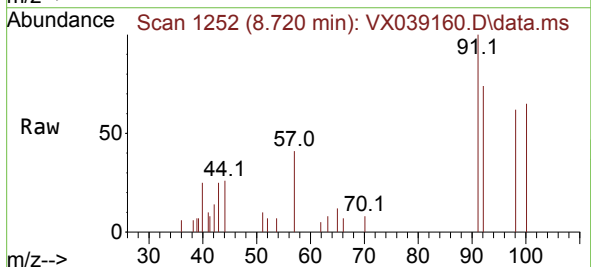
Instrument :
MSVOA_X
ClientSampleId :
E8965C-CC-001

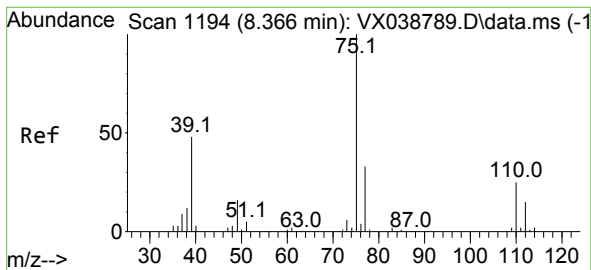
Tgt Ion: 43 Resp: 30099
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#52
Toluene
Concen: 0.235 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

Tgt Ion: 92 Resp: 1093
Ion Ratio Lower Upper
92 100
91 170.2 134.2 201.2

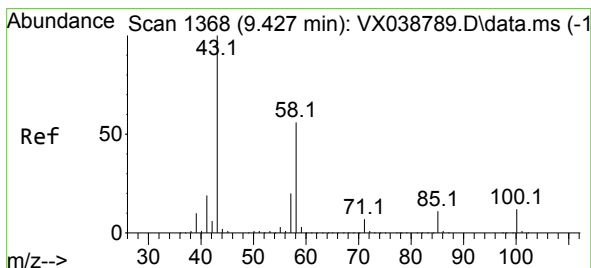
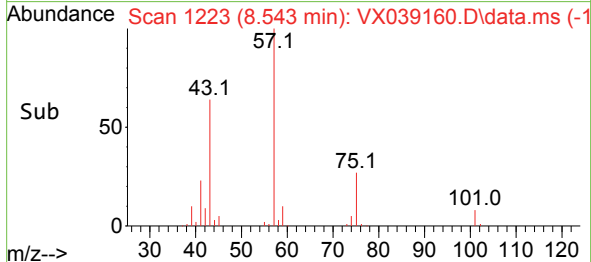
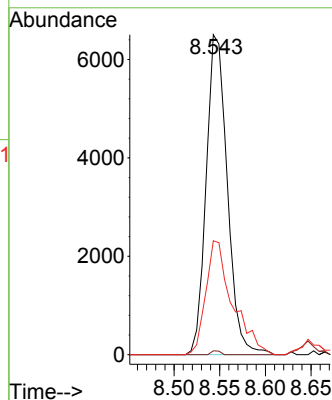
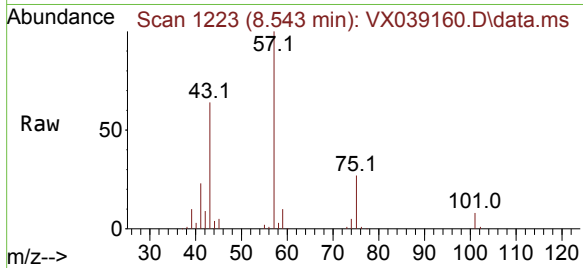




#54
 cis-1,3-Dichloropropene
 Concen: 3.187 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX039160.D
 Acq: 12 Dec 2023 13:08

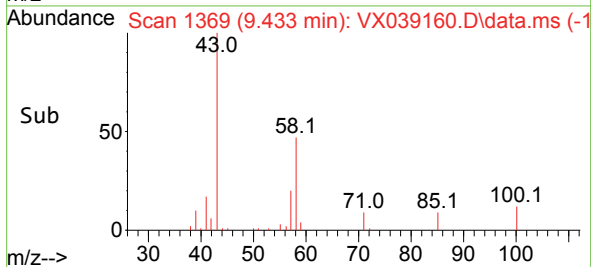
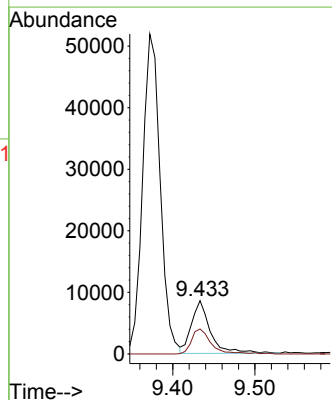
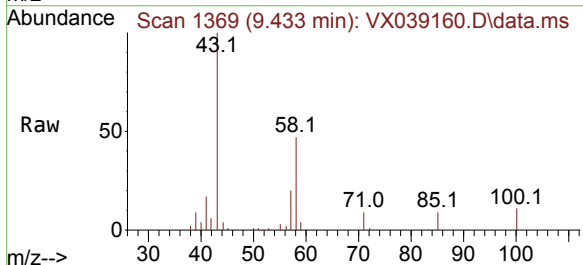
Instrument :
 MSVOA_X
 ClientSampleId :
 E8965C-CC-001

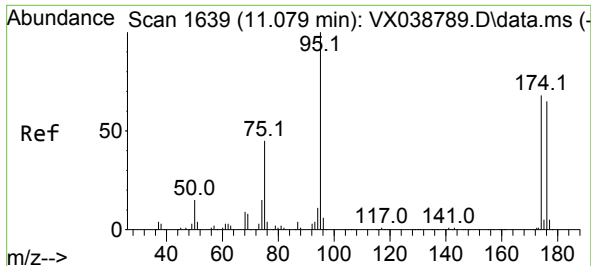
Tgt Ion: 75 Resp: 10439
 Ion Ratio Lower Upper
 75 100
 77 1.2 25.3 37.9#
 39 35.6 46.7 70.1#



#59
 2-Hexanone
 Concen: 5.052 ug/l
 RT: 9.433 min Scan# 1369
 Delta R.T. 0.006 min
 Lab File: VX039160.D
 Acq: 12 Dec 2023 13:08

Tgt Ion: 43 Resp: 13647
 Ion Ratio Lower Upper
 43 100
 58 49.2 26.2 78.5

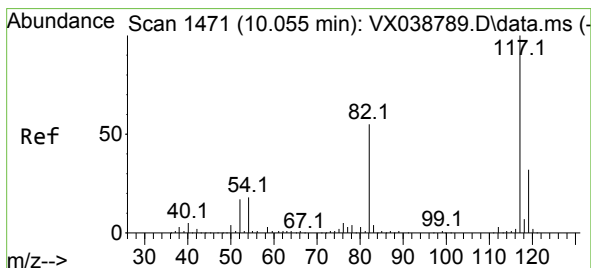
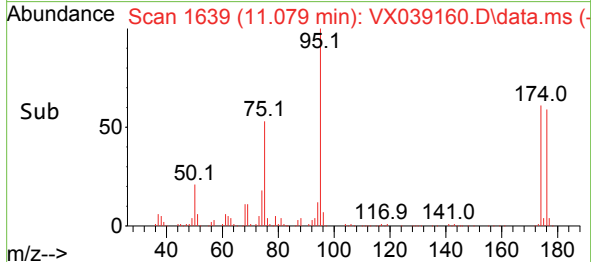
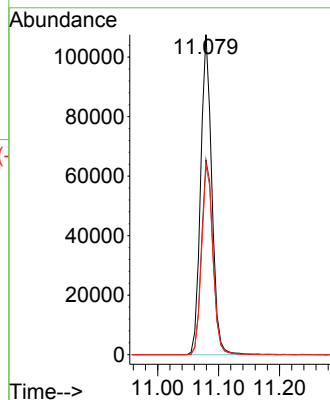
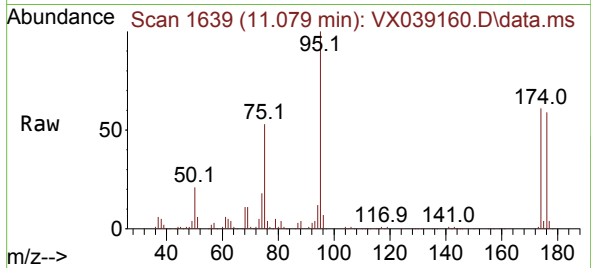




#62
4-Bromofluorobenzene
Concen: 50.512 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

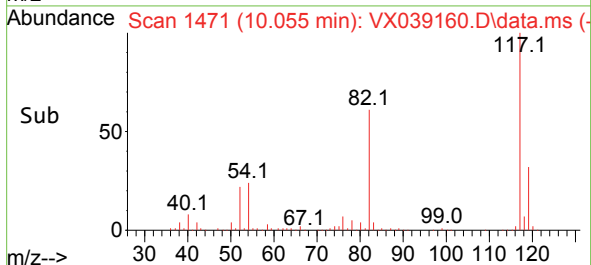
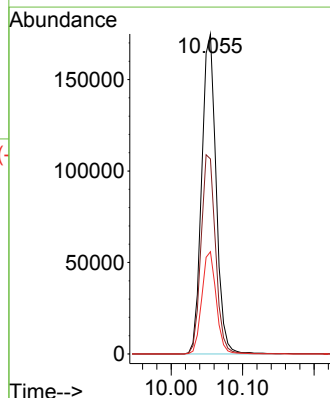
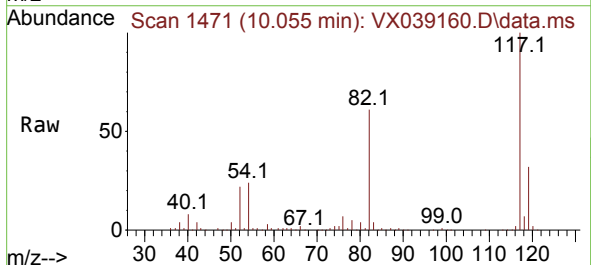
Instrument :
MSVOA_X
ClientSampleId :
E8965C-CC-001

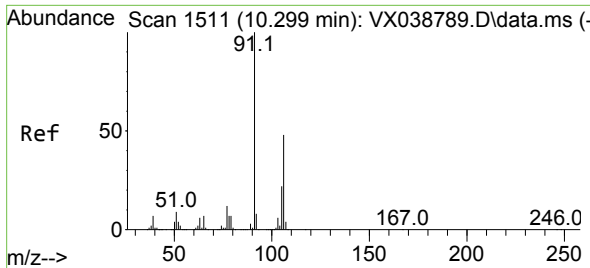
Tgt Ion: 95 Resp: 136728
Ion Ratio Lower Upper
95 100
174 62.3 0.0 135.6
176 60.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

Tgt Ion: 117 Resp: 245001
Ion Ratio Lower Upper
117 100
82 61.0 46.2 69.4
119 32.0 25.5 38.3

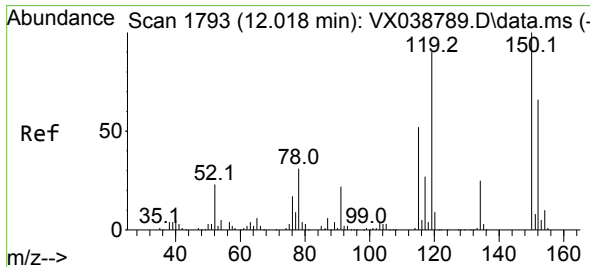
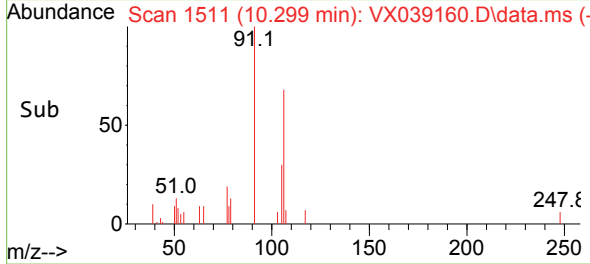
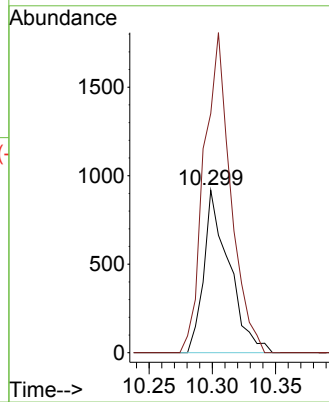
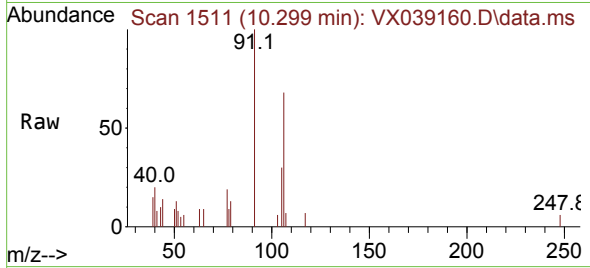




#68
m/p-Xylenes
Concen: 0.349 ug/l
RT: 10.299 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

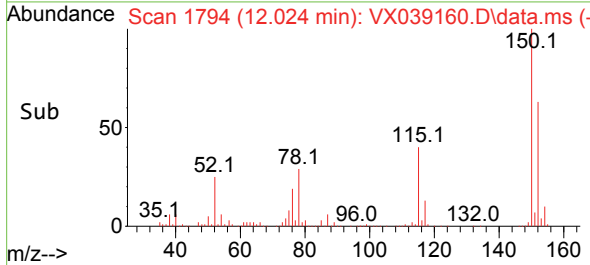
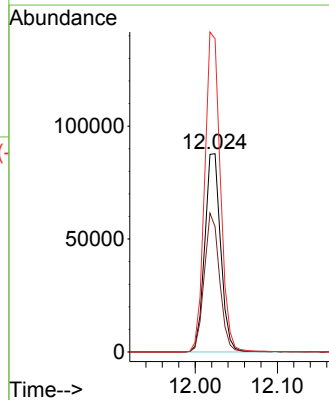
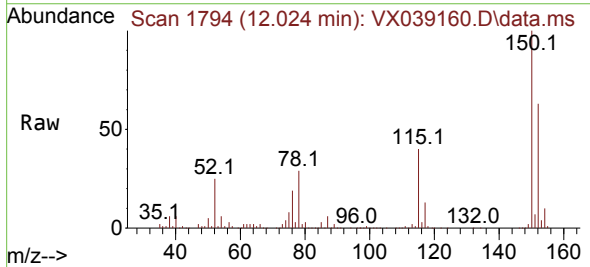
Instrument :
MSVOA_X
ClientSampleId :
E8965C-CC-001

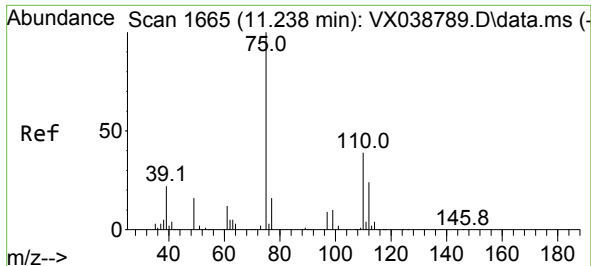
Tgt Ion:106 Resp: 1280
Ion Ratio Lower Upper
106 100
91 207.7 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

Tgt Ion:152 Resp: 118095
Ion Ratio Lower Upper
152 100
115 67.4 43.3 129.9
150 159.2 0.0 345.0

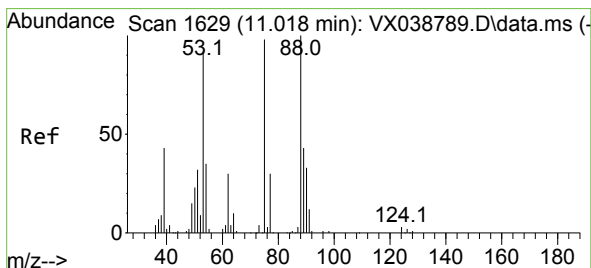
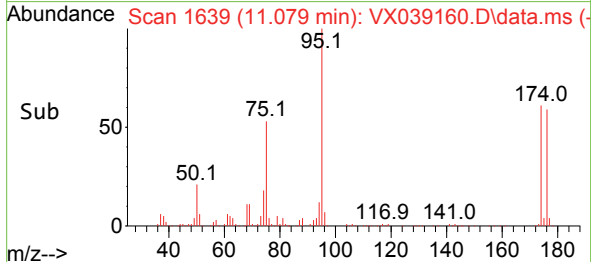
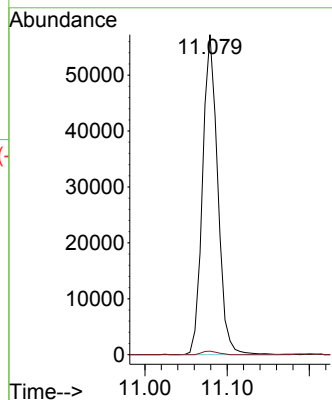
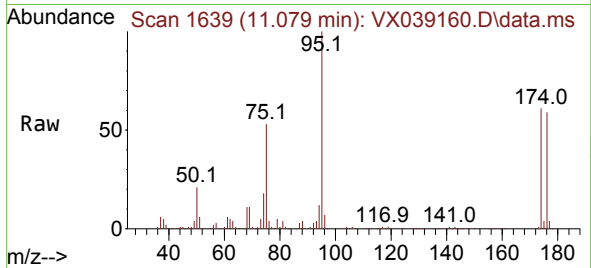




#76
1,2,3-Trichloropropane
Concen: 24.878 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

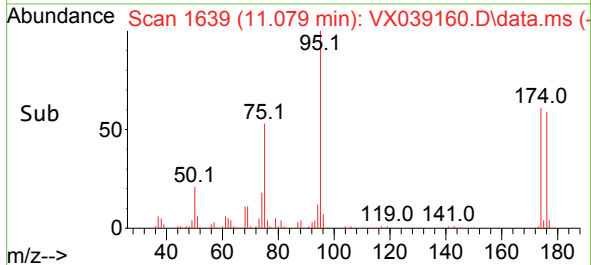
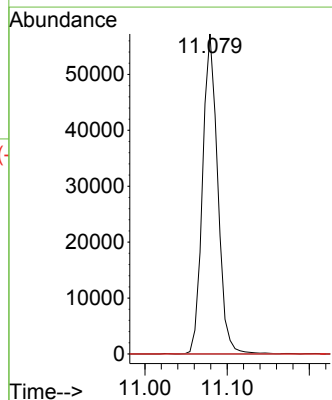
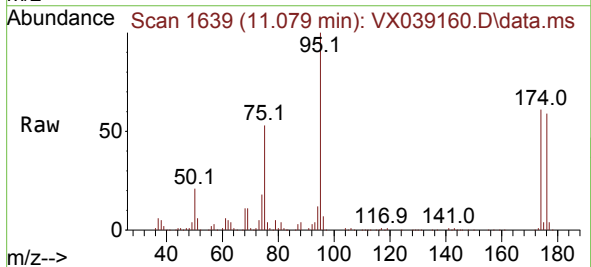
Instrument :
MSVOA_X
ClientSampleId :
E8965C-CC-001

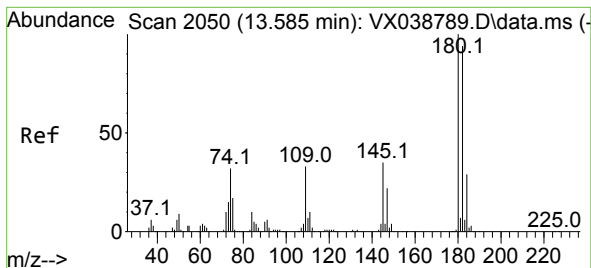
Tgt Ion: 75 Resp: 73301
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.181 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039160.D
Acq: 12 Dec 2023 13:08

Tgt Ion: 75 Resp: 73301
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.436 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

Instrument :

MSVOA_X

ClientSampleId :

E8965C-CC-001

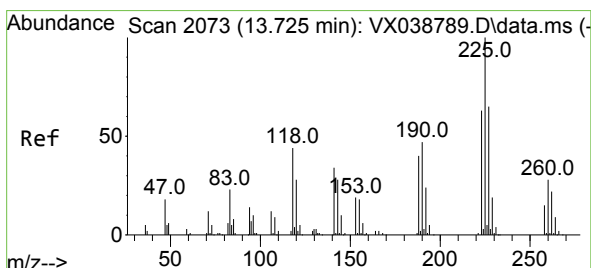
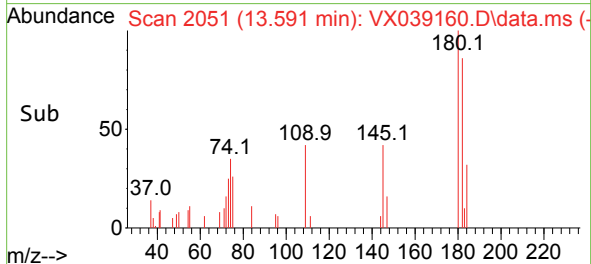
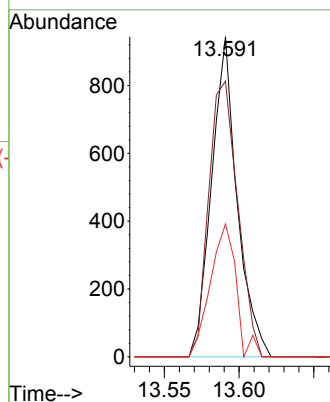
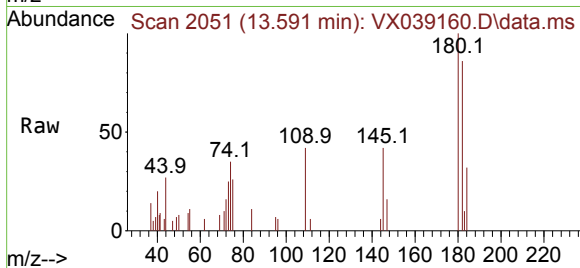
Tgt Ion:180 Resp: 1122

Ion Ratio Lower Upper

180 100

182 97.5 48.3 144.8

145 41.8 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.421 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

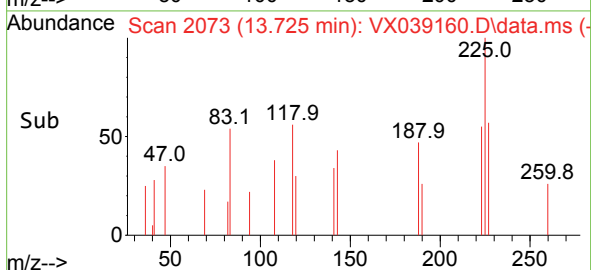
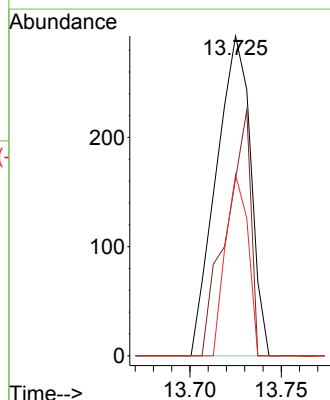
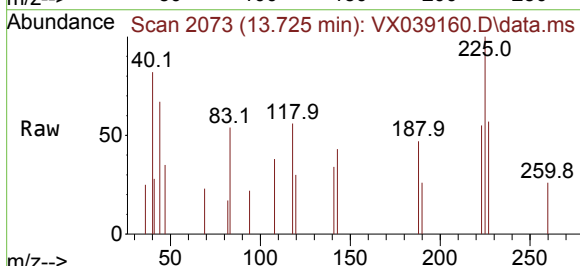
Tgt Ion:225 Resp: 384

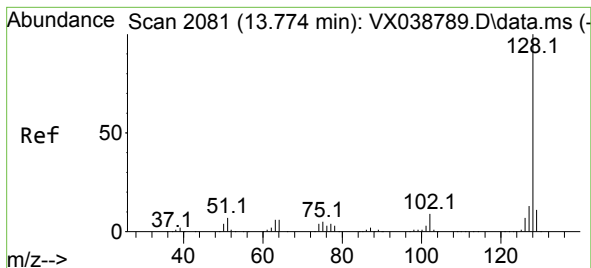
Ion Ratio Lower Upper

225 100

223 54.4 31.1 93.2

227 37.0 32.5 97.5





#95

Naphthalene

Concen: 0.327 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

Instrument :

MSVOA_X

ClientSampleId :

E8965C-CC-001

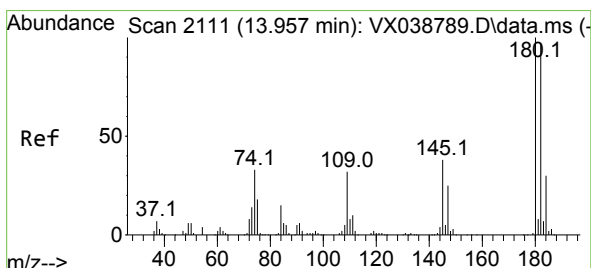
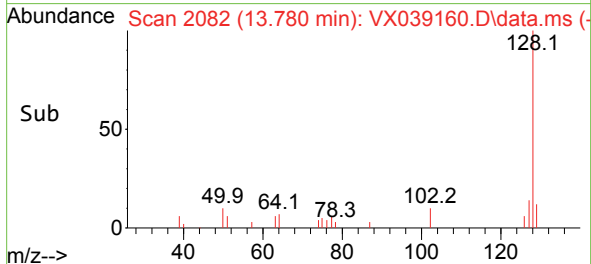
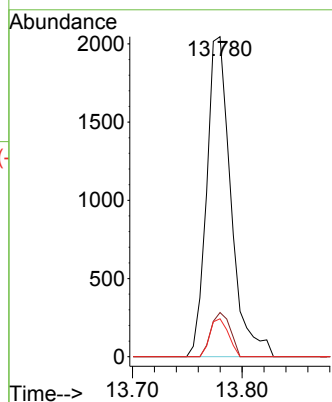
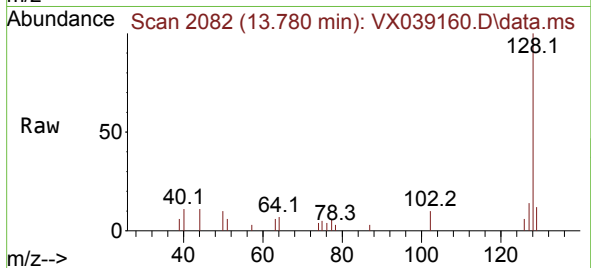
Tgt Ion:128 Resp: 3137

Ion Ratio Lower Upper

128 100

127 11.0 10.3 15.5

129 9.1 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.329 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX039160.D

Acq: 12 Dec 2023 13:08

Tgt Ion:180 Resp: 803

Ion Ratio Lower Upper

180 100

182 92.4 46.9 140.6

145 35.6 17.8 53.5

