

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035335.D
 Acq On : 27 Apr 2023 12:52
 Operator : JC/MD
 Sample : 02485-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33992

Quant Time: Apr 28 05:04:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

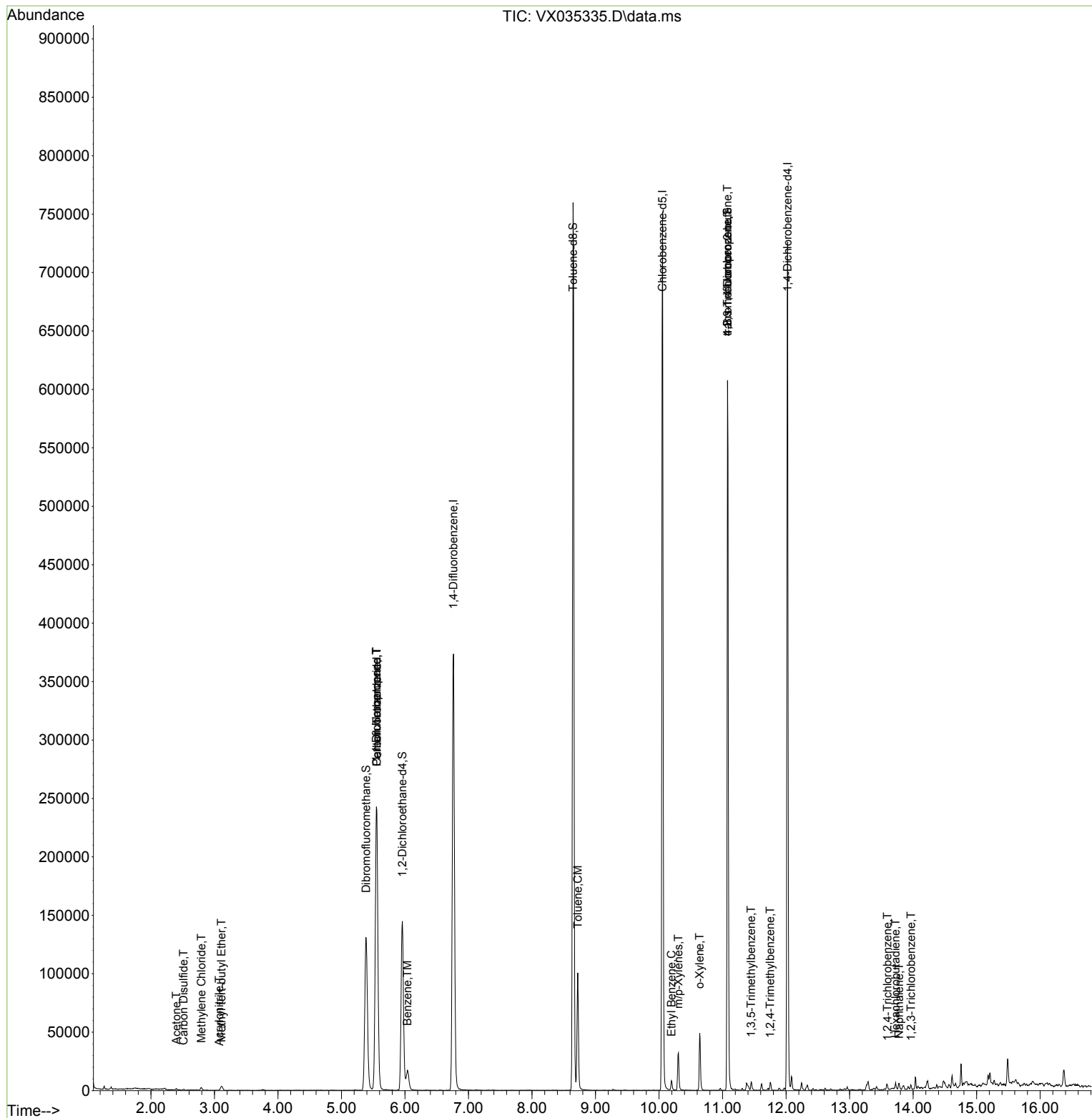
Internal Standards						
1) Pentafluorobenzene	5.556	168	241235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	393215	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	351384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	157309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139956	48.089	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.180%
35) Dibromofluoromethane	5.385	113	117252	48.583	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.160%
50) Toluene-d8	8.647	98	461121	50.649	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.300%
62) 4-Bromofluorobenzene	11.079	95	168836	49.297	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.600%
Target Compounds						
					Qvalue	
15) Acrylonitrile	3.074	53	272	0.205	ug/l #	37
16) Acetone	2.398	43	1709	1.352	ug/l	96
17) Carbon Disulfide	2.514	76	1156	0.206	ug/l #	75
19) Methyl tert-butyl Ether	3.111	73	3899	0.485	ug/l #	89
20) Methylene Chloride	2.794	84	1079	0.372	ug/l	92
36) 1,1-Dichloropropene	5.550	75	18071	4.795	ug/l #	51
38) Carbon Tetrachloride	5.556	117	24377	6.814	ug/l #	16
40) Benzene	6.037	78	21184	1.960	ug/l	99
52) Toluene	8.720	92	38603	5.633	ug/l	100
67) Ethyl Benzene	10.195	91	5035	0.382	ug/l	97
68) m/p-Xylenes	10.305	106	8298	1.645	ug/l	96
69) o-Xylene	10.640	106	11388	2.302	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	82870	26.409	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.451	105	3210	0.331	ug/l	88
81) trans-1,4-Dichloro-2-b...	11.079	75	82870	85.533	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	3474	0.357	ug/l	98
93) 1,2,4-Trichlorobenzene	13.597	180	953	0.279	ug/l	95
94) Hexachlorobutadiene	13.725	225	717	0.478	ug/l	89
95) Naphthalene	13.780	128	4042	0.384	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.969	180	1000	0.291	ug/l #	88

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

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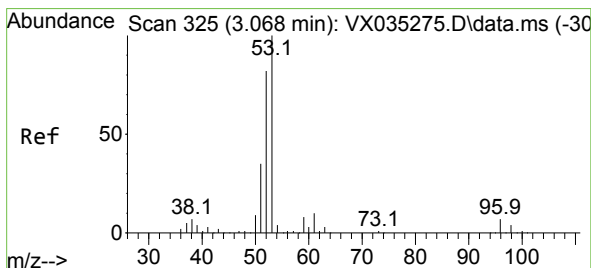
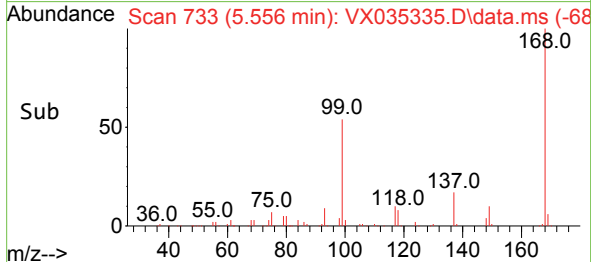
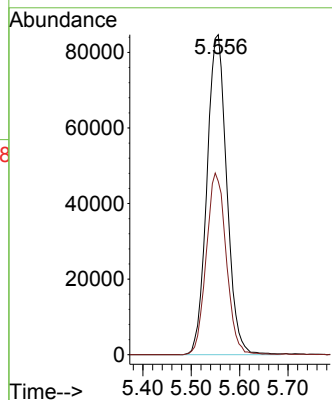
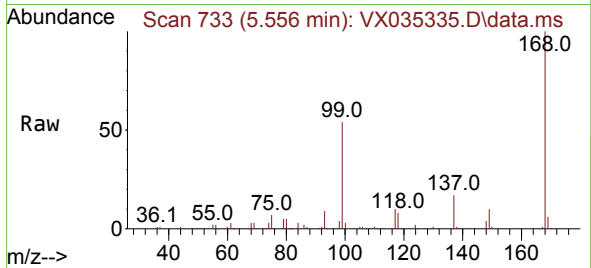




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

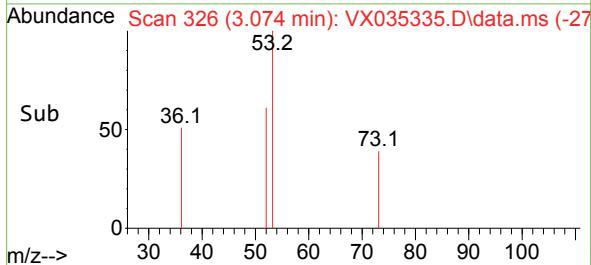
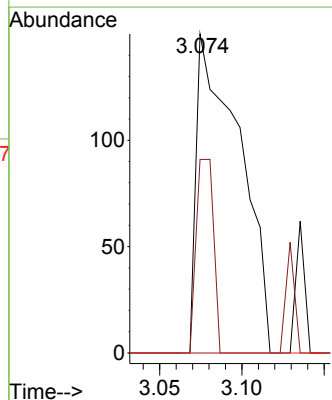
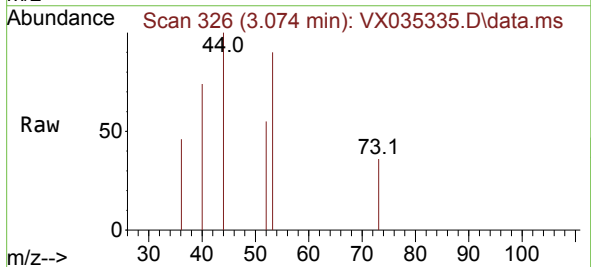
Instrument :
MSVOA_X
ClientSampleId :
33992

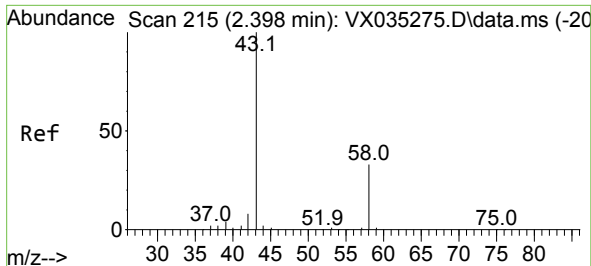
Tgt Ion:168 Resp: 241235
Ion Ratio Lower Upper
168 100
99 54.1 45.7 68.5



#15
Acrylonitrile
Concen: 0.205 ug/l
RT: 3.074 min Scan# 326
Delta R.T. 0.006 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

Tgt Ion: 53 Resp: 272
Ion Ratio Lower Upper
53 100
52 24.6 66.2 99.2#
51 0.0 28.3 42.5#

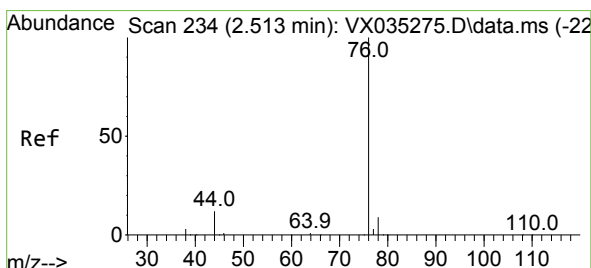
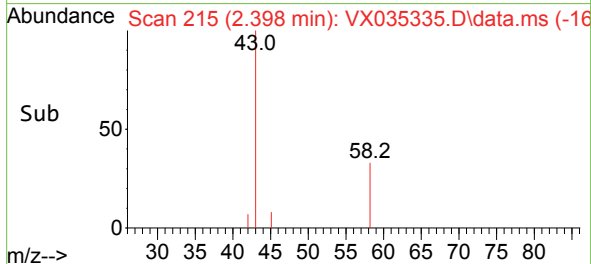
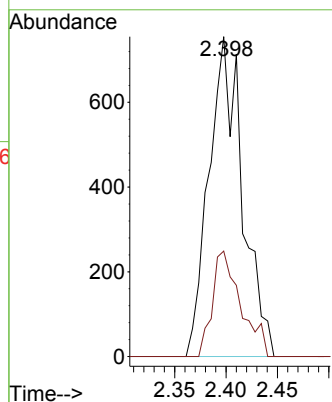
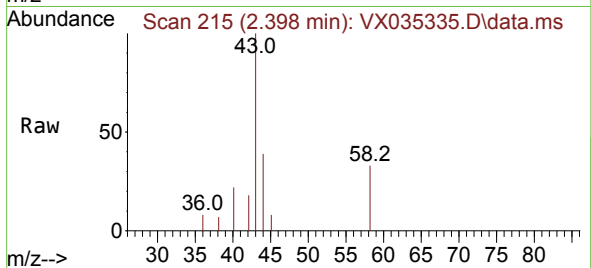




#16
Acetone
Concen: 1.352 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

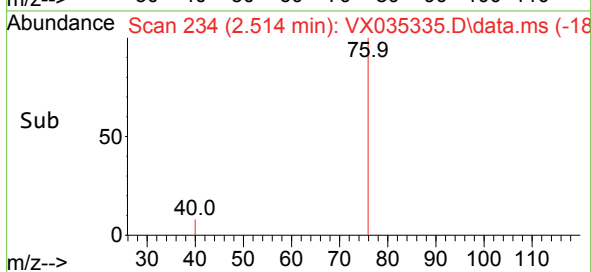
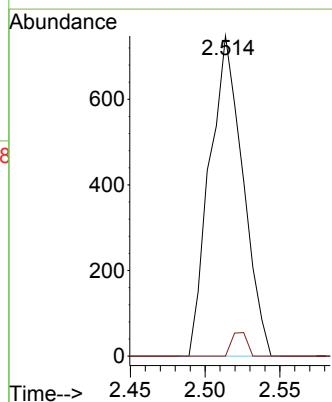
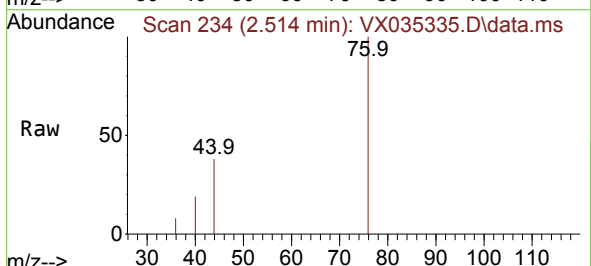
Instrument :
MSVOA_X
ClientSampleId :
33992

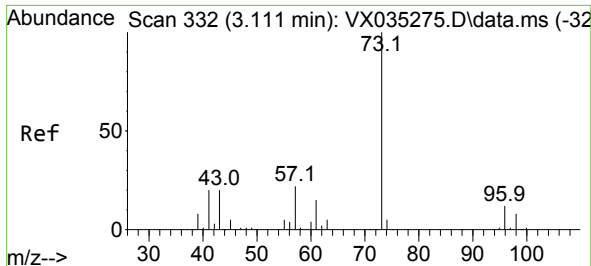
Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
58 33.0 24.7 37.1



#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

Tgt Ion: 76 Resp: 1156
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

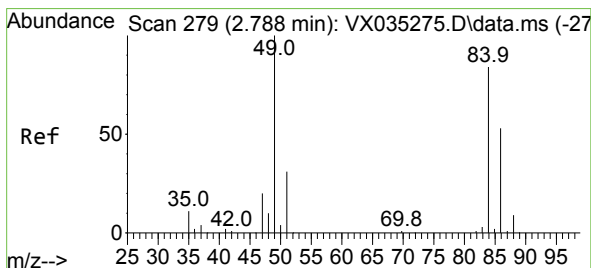
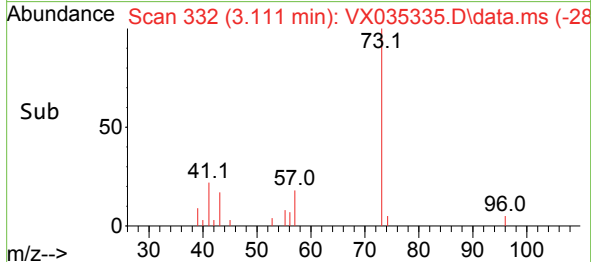
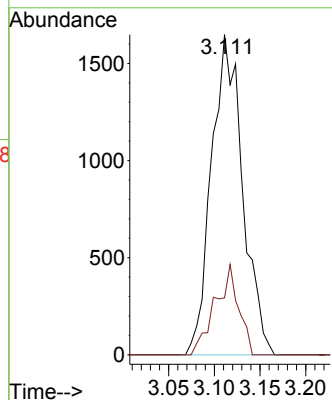
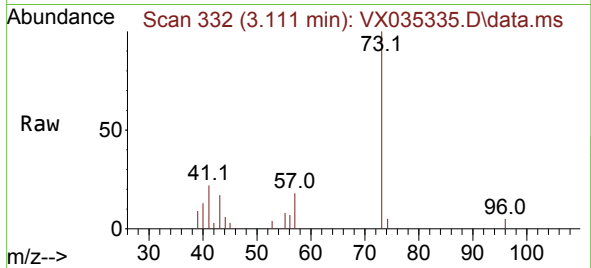




#19
Methyl tert-butyl Ether
Concen: 0.485 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

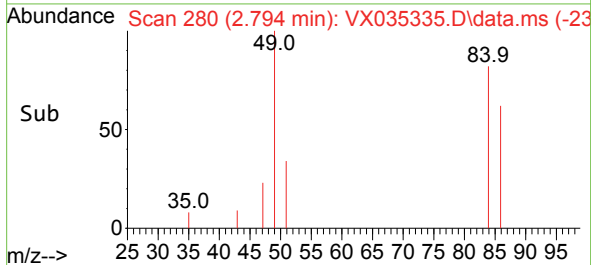
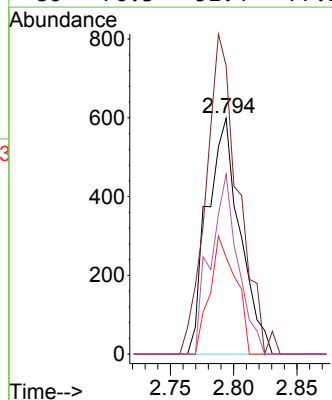
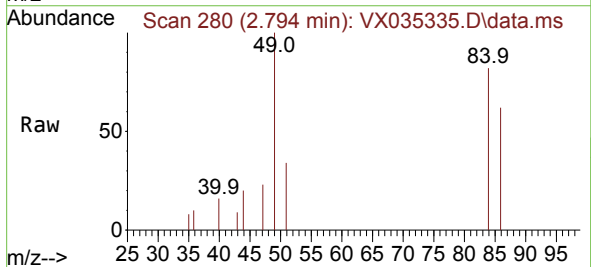
Instrument :
MSVOA_X
ClientSampleId :
33992

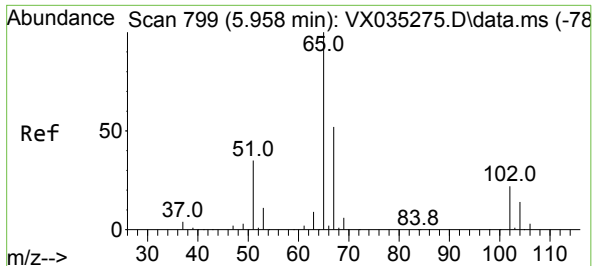
Tgt Ion: 73 Resp: 3899
Ion Ratio Lower Upper
73 100
57 17.8 18.5 27.7#



#20
Methylene Chloride
Concen: 0.372 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

Tgt Ion: 84 Resp: 1079
Ion Ratio Lower Upper
84 100
49 122.2 103.8 155.8
51 41.1 31.8 47.8
86 76.3 51.4 77.2





#33

1,2-Dichloroethane-d4

Concen: 48.089 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX035335.D

Acq: 27 Apr 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

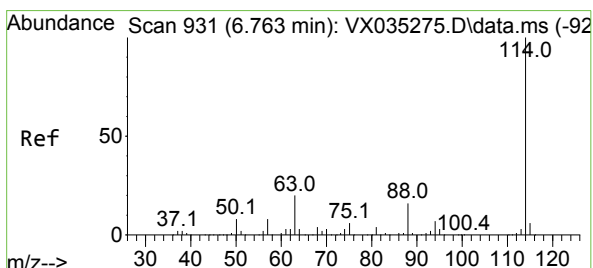
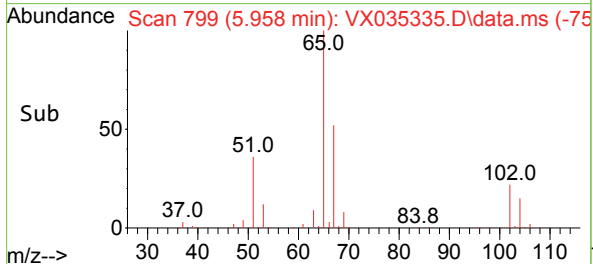
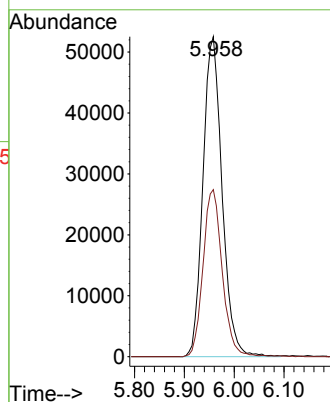
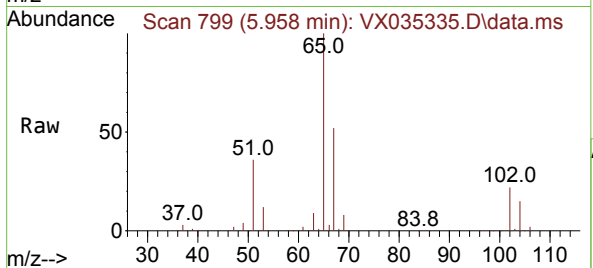
33992

Tgt Ion: 65 Resp: 139956

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035335.D

Acq: 27 Apr 2023 12:52

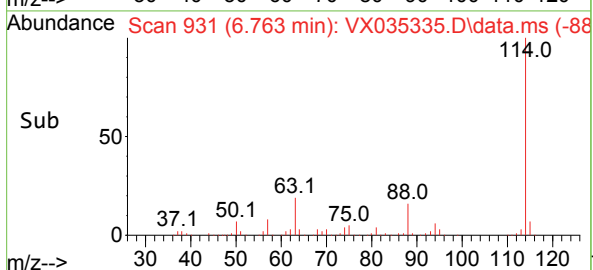
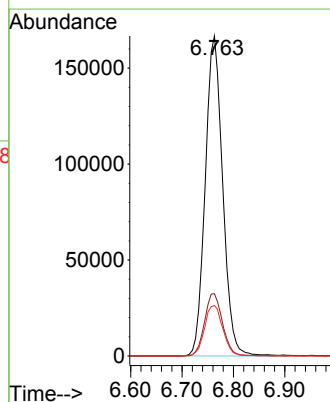
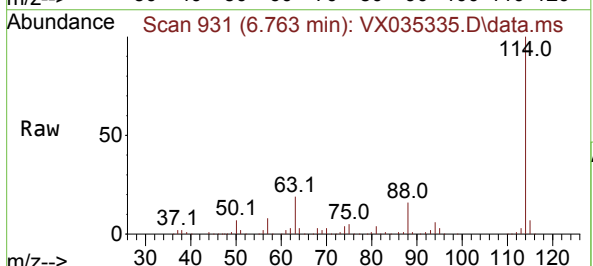
Tgt Ion: 114 Resp: 393215

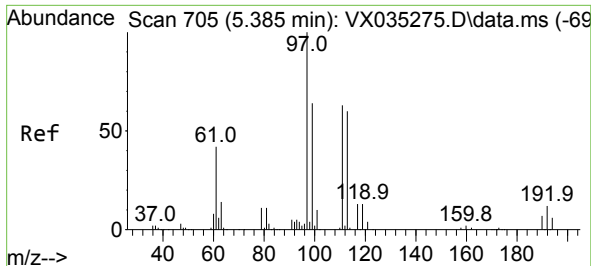
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.2

88 15.8 0.0 33.2

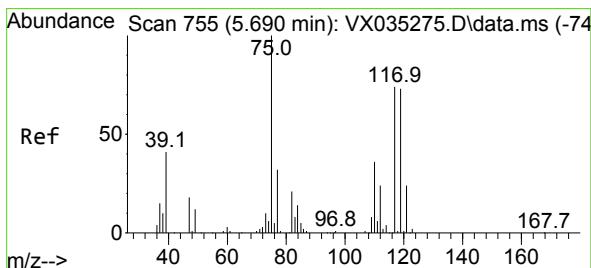
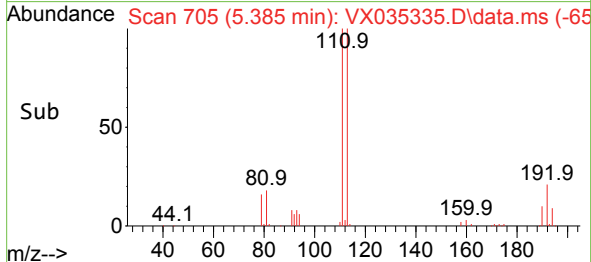
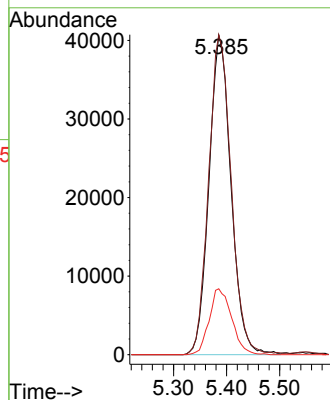
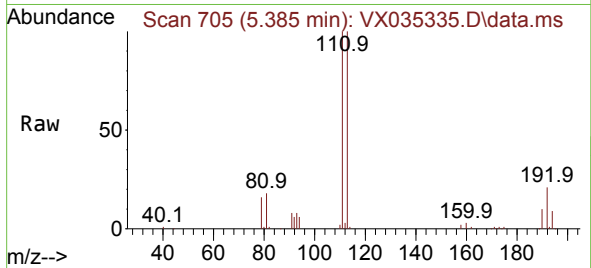




#35
Dibromofluoromethane
Concen: 48.583 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

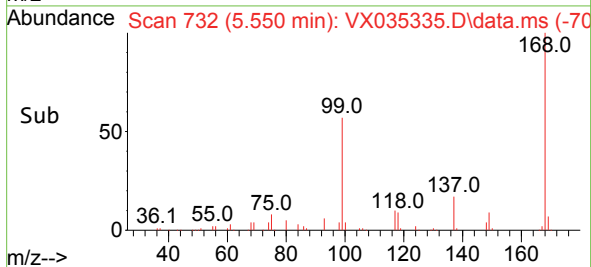
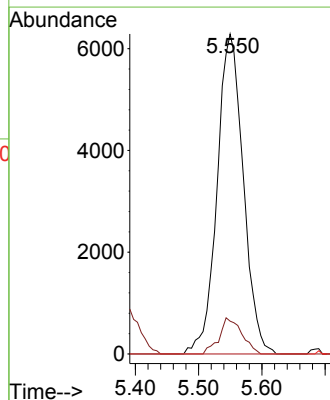
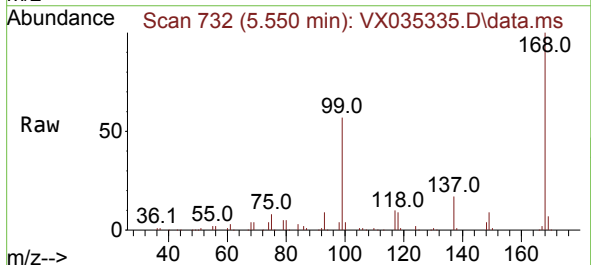
Instrument :
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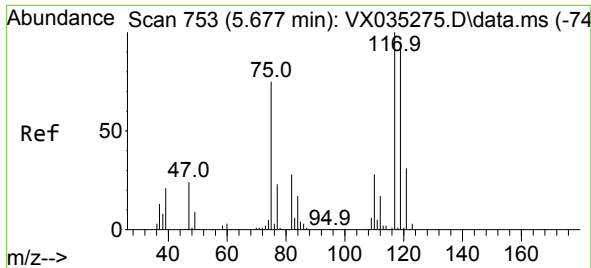
Tgt Ion:113 Resp: 117252
Ion Ratio Lower Upper
113 100
111 102.7 83.7 125.5
192 21.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.795 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

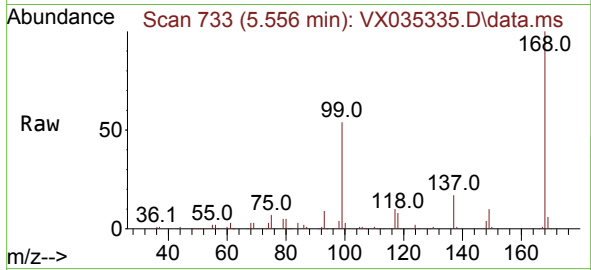
Tgt Ion: 75 Resp: 18071
Ion Ratio Lower Upper
75 100
110 9.7 17.5 52.5#
77 0.0 24.3 36.5#



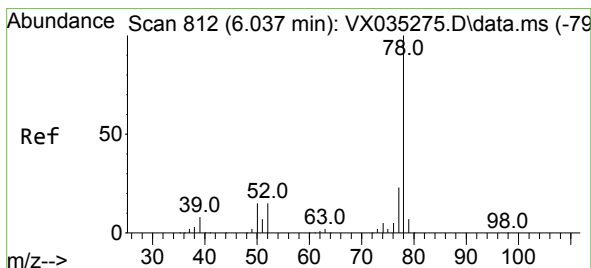
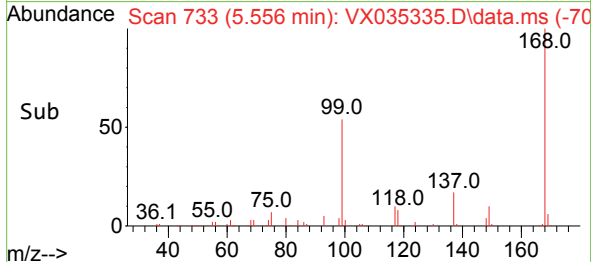
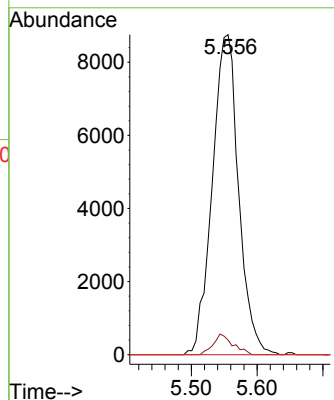


#38
Carbon Tetrachloride
Concen: 6.814 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

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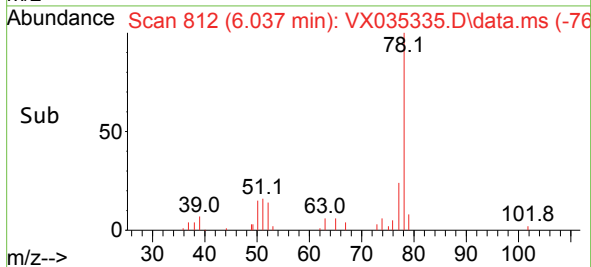
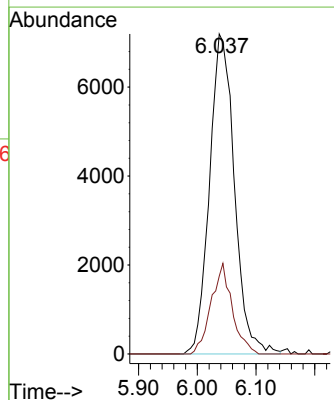
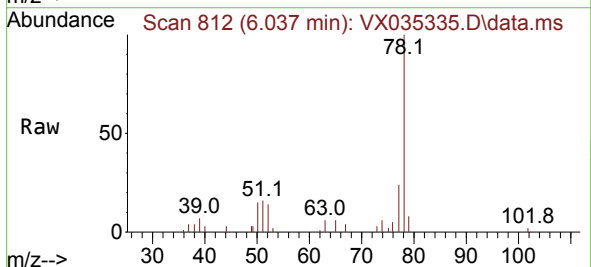


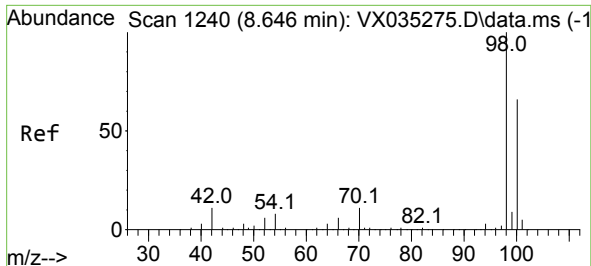
Tgt Ion:117 Resp: 24377
Ion Ratio Lower Upper
117 100
119 4.6 76.6 114.8#
121 0.0 23.8 35.6#



#40
Benzene
Concen: 1.960 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

Tgt Ion: 78 Resp: 21184
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4

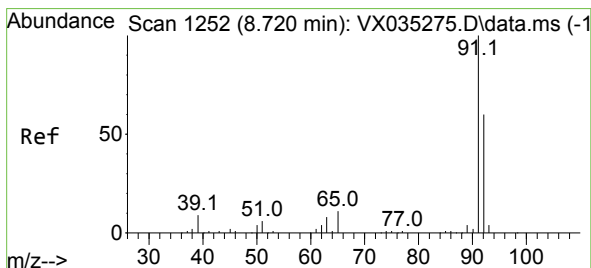
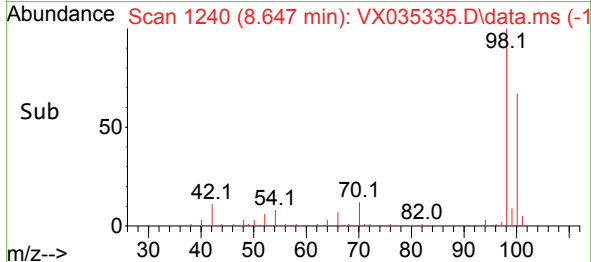
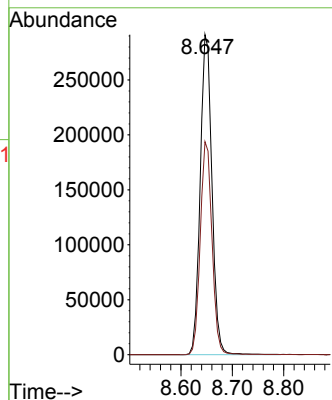
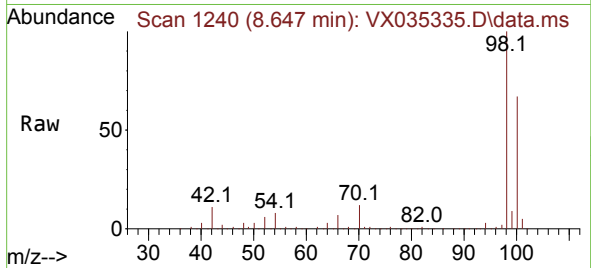




#50
Toluene-d8
Concen: 50.649 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

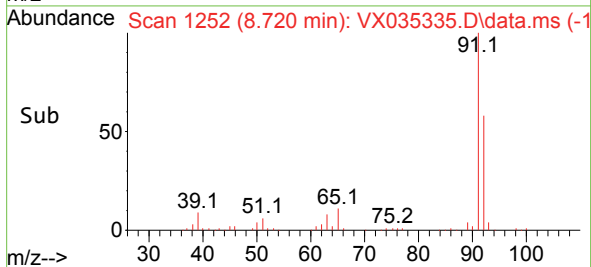
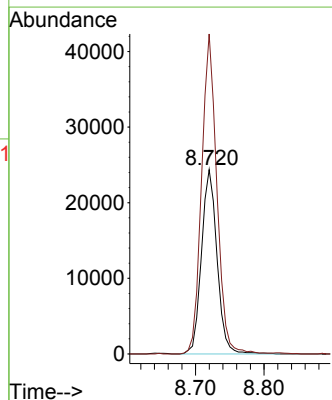
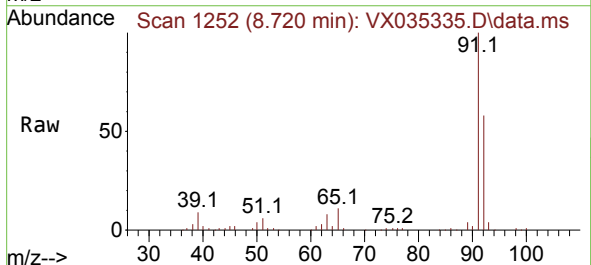
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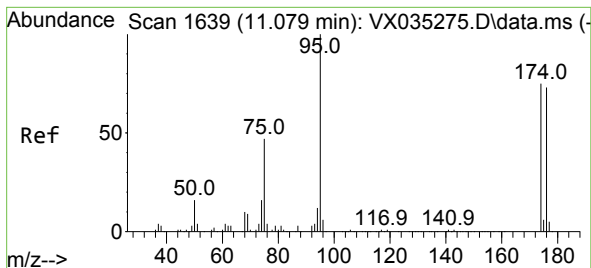
Tgt Ion: 98 Resp: 461121
Ion Ratio Lower Upper
98 100
100 66.8 52.5 78.7



#52
Toluene
Concen: 5.633 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

Tgt Ion: 92 Resp: 38603
Ion Ratio Lower Upper
92 100
91 170.4 136.8 205.2

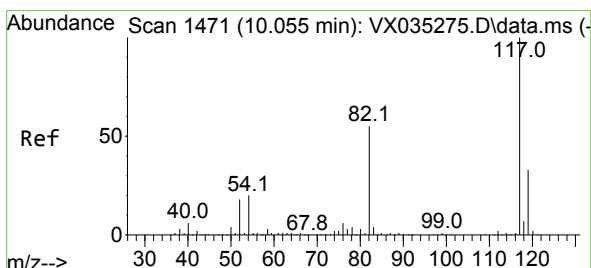
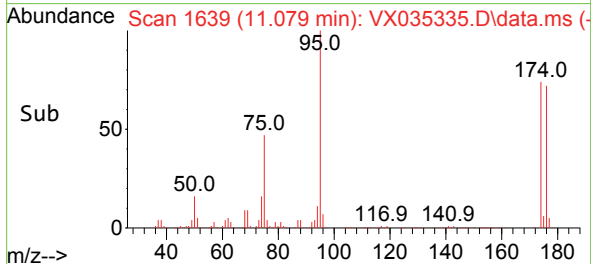
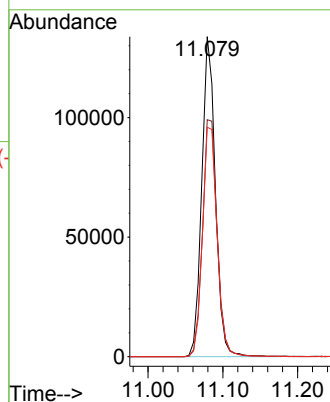
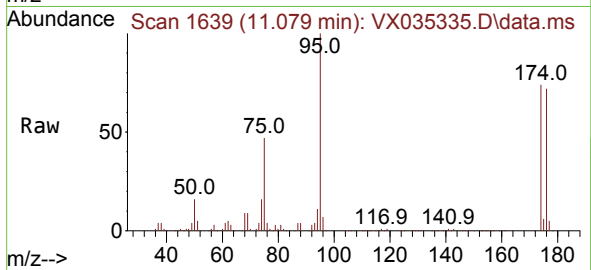




#62
4-Bromofluorobenzene
Concen: 49.297 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

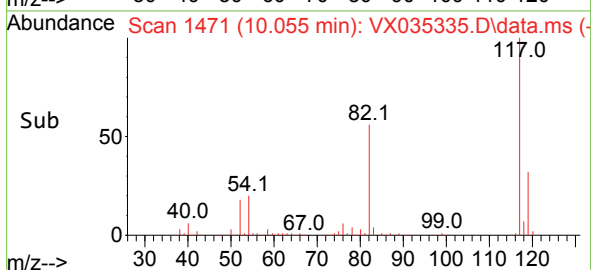
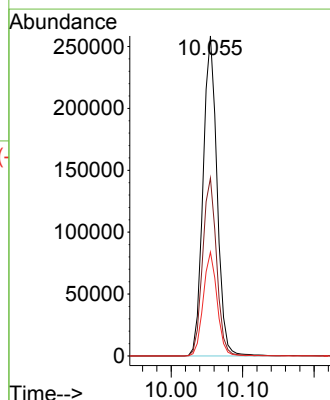
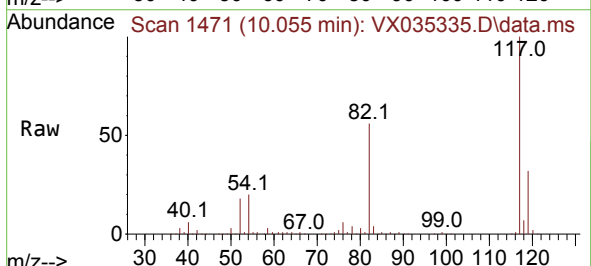
Instrument :
MSVOA_X
ClientSampleId :
33992

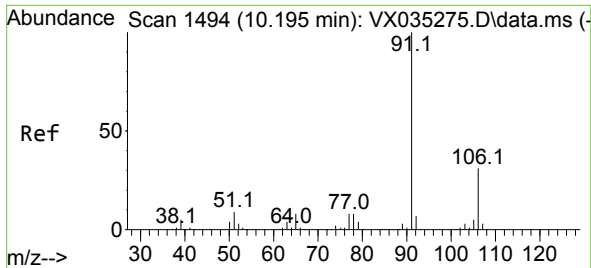
Tgt Ion: 95 Resp: 168836
Ion Ratio Lower Upper
95 100
174 79.8 0.0 147.4
176 77.3 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

Tgt Ion: 117 Resp: 351384
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.4
119 32.4 26.0 39.0

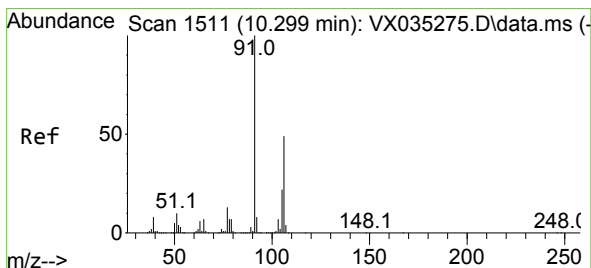
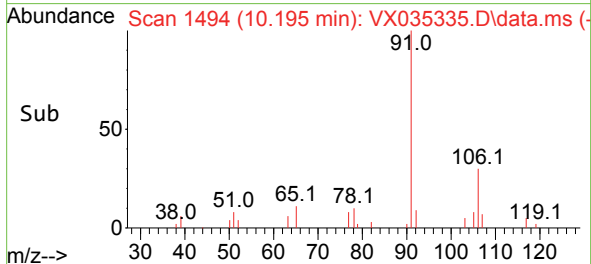
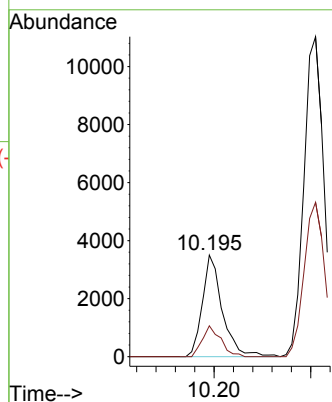
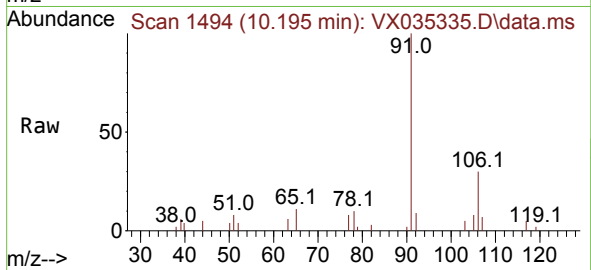




#67
Ethyl Benzene
Concen: 0.382 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

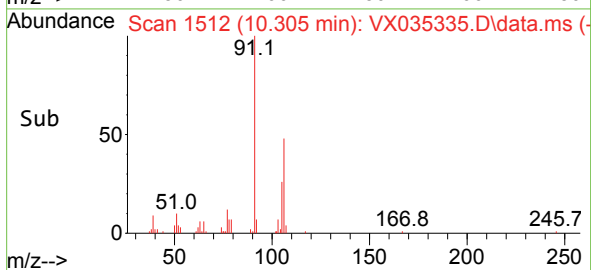
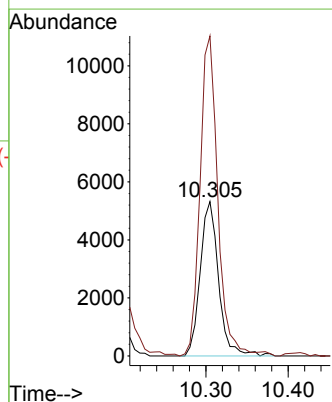
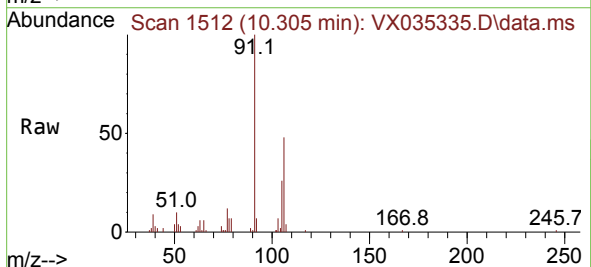
Instrument :
MSVOA_X
ClientSampleId :
33992

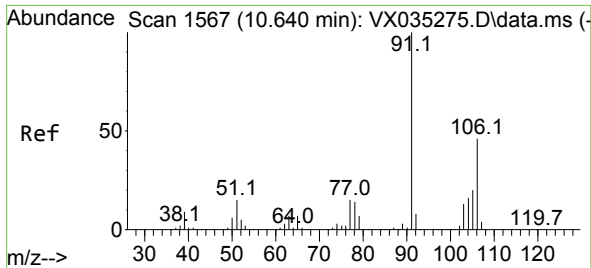
Tgt Ion: 91 Resp: 5035
Ion Ratio Lower Upper
91 100
106 30.4 25.6 38.4



#68
m/p-Xylenes
Concen: 1.645 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

Tgt Ion: 106 Resp: 8298
Ion Ratio Lower Upper
106 100
91 198.7 164.0 246.0

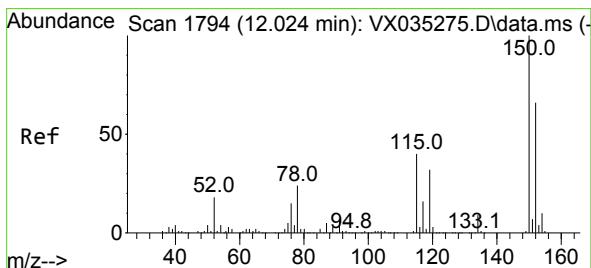
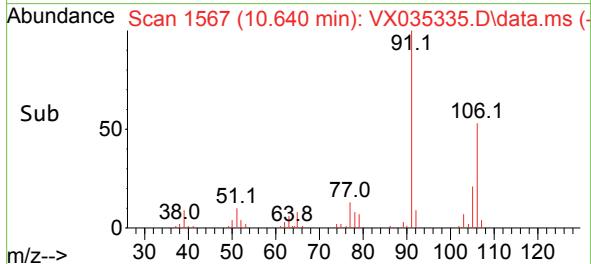
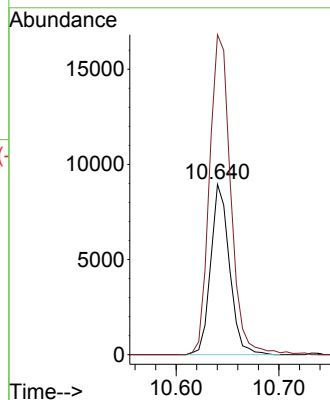
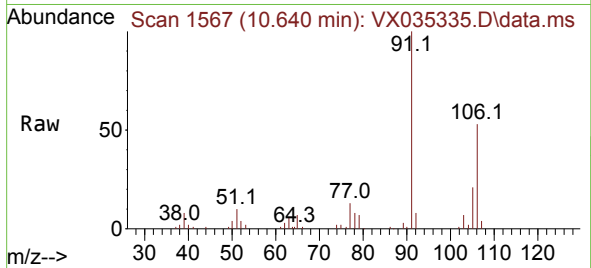




#69
o-Xylene
Concen: 2.302 ug/l
RT: 10.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

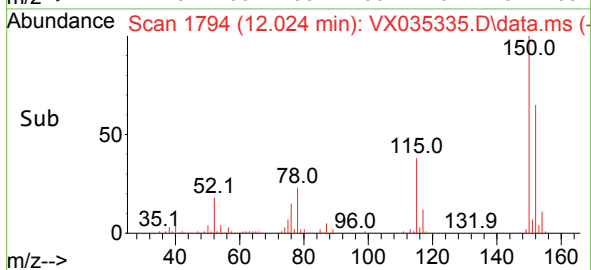
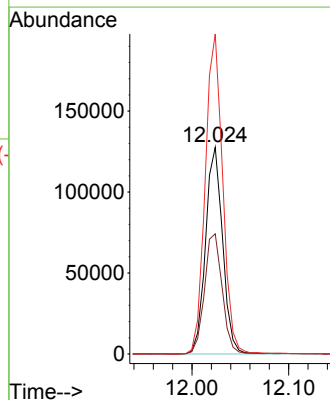
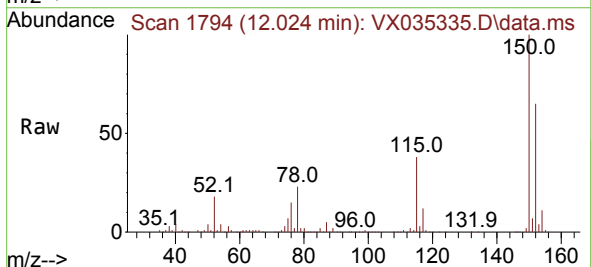
Instrument :
MSVOA_X
ClientSampleId :
33992

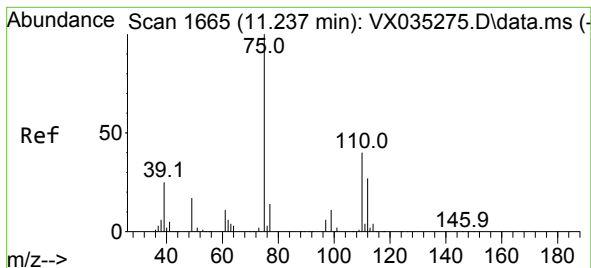
Tgt Ion:106 Resp: 11388
Ion Ratio Lower Upper
106 100
91 212.8 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

Tgt Ion:152 Resp: 157309
Ion Ratio Lower Upper
152 100
115 60.3 45.0 135.0
150 157.7 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 26.409 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035335.D

Acq: 27 Apr 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

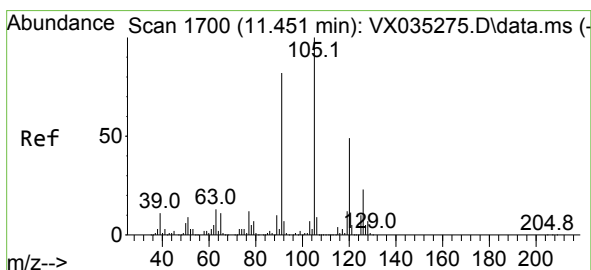
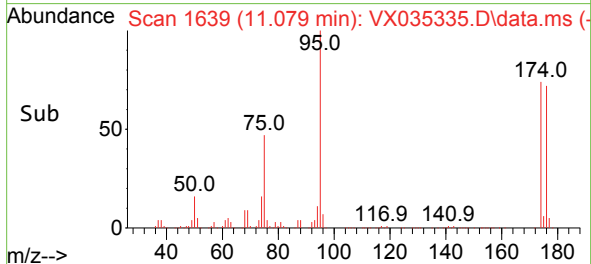
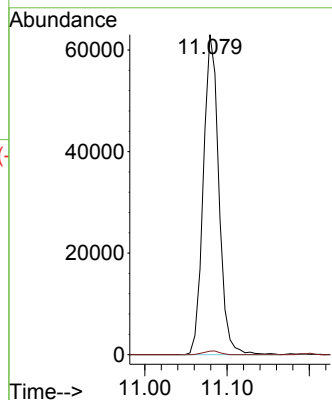
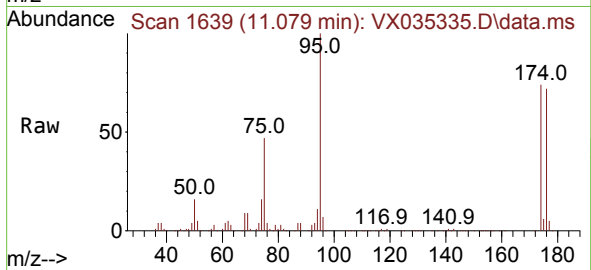
33992

Tgt Ion: 75 Resp: 82870

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.331 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035335.D

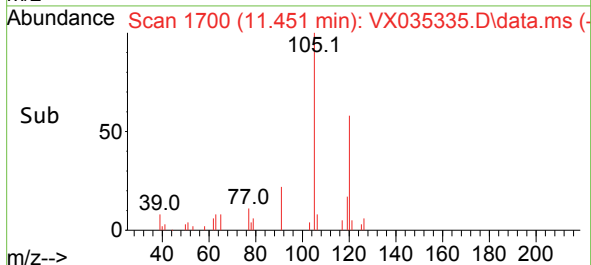
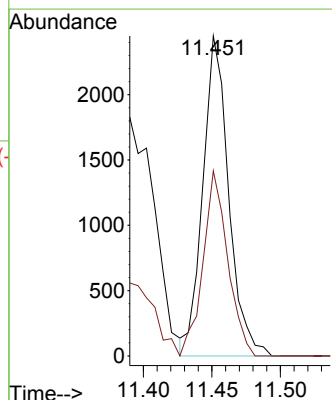
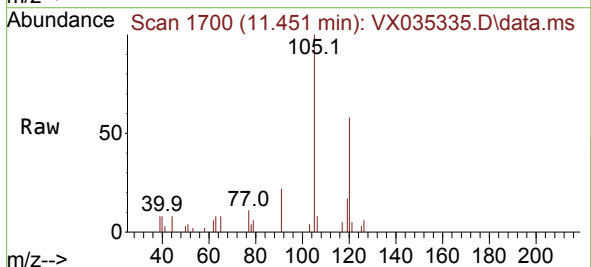
Acq: 27 Apr 2023 12:52

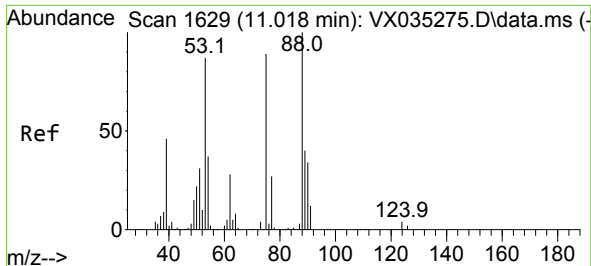
Tgt Ion:105 Resp: 3210

Ion Ratio Lower Upper

105 100

120 55.3 23.7 71.1

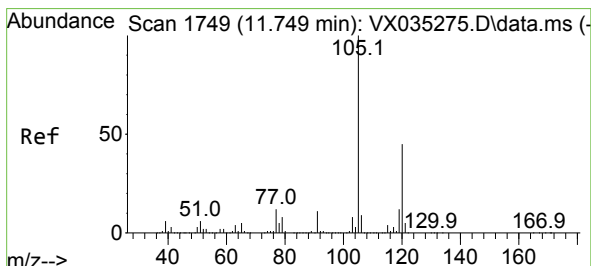
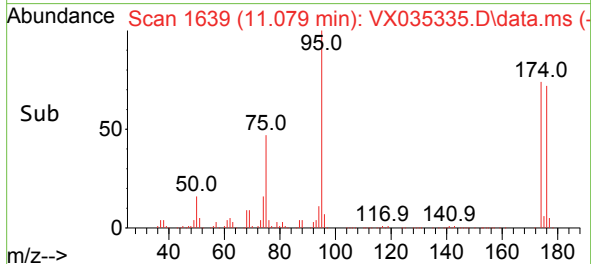
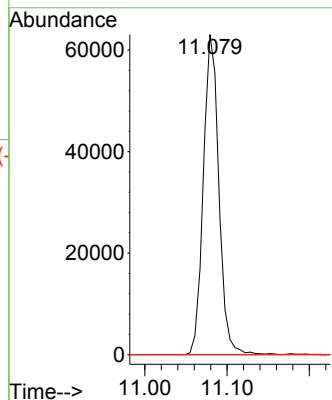
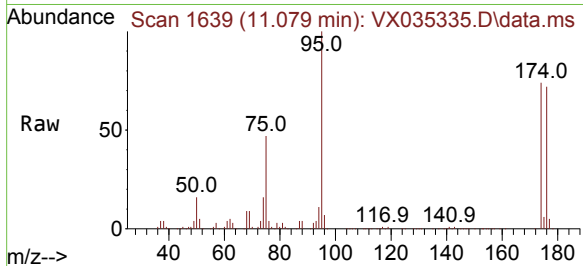




#81
trans-1,4-Dichloro-2-butene
Concen: 85.533 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

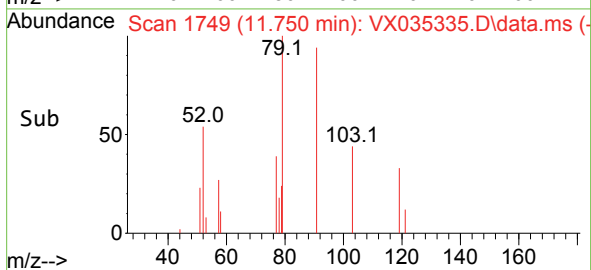
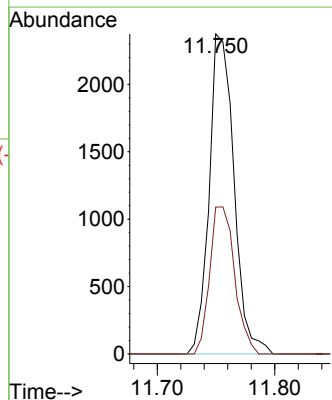
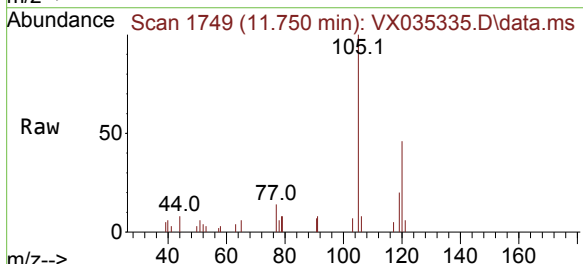
Instrument :
MSVOA_X
ClientSampleId :
33992

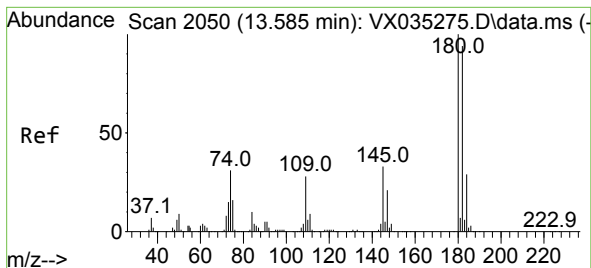
Tgt Ion: 75 Resp: 82870
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.357 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VX035335.D
Acq: 27 Apr 2023 12:52

Tgt Ion:105 Resp: 3474
Ion Ratio Lower Upper
105 100
120 46.2 22.4 67.0





#93

1,2,4-Trichlorobenzene

Concen: 0.279 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX035335.D

Acq: 27 Apr 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

33992

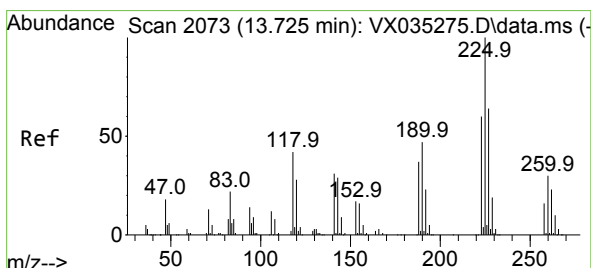
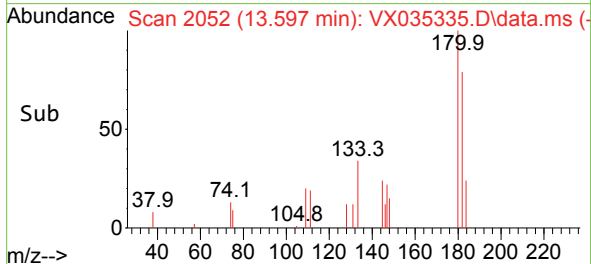
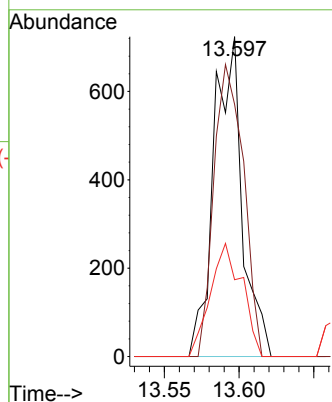
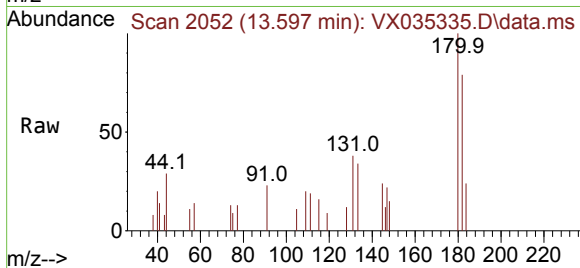
Tgt Ion:180 Resp: 953

Ion Ratio Lower Upper

180 100

182 95.3 47.0 141.0

145 39.6 15.9 47.7



#94

Hexachlorobutadiene

Concen: 0.478 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX035335.D

Acq: 27 Apr 2023 12:52

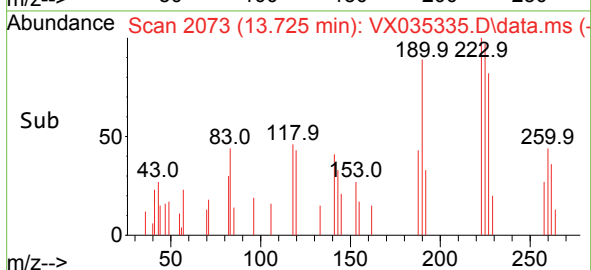
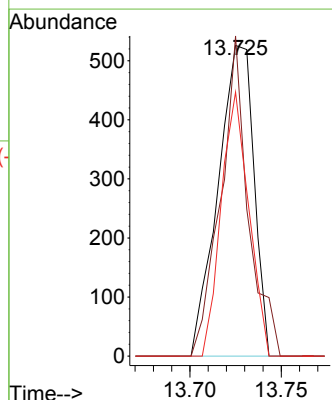
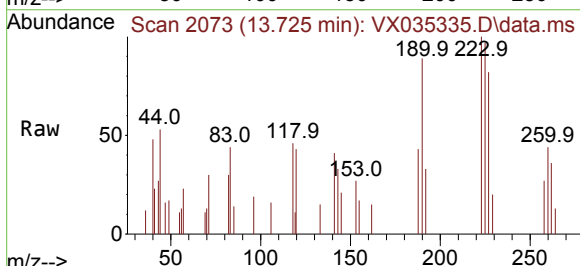
Tgt Ion:225 Resp: 717

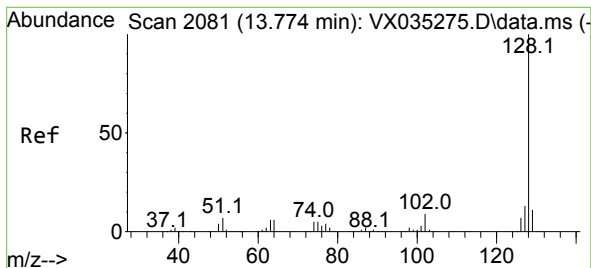
Ion Ratio Lower Upper

225 100

223 79.5 32.1 96.5

227 65.6 31.8 95.4





#95

Naphthalene

Concen: 0.384 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX035335.D

Acq: 27 Apr 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

33992

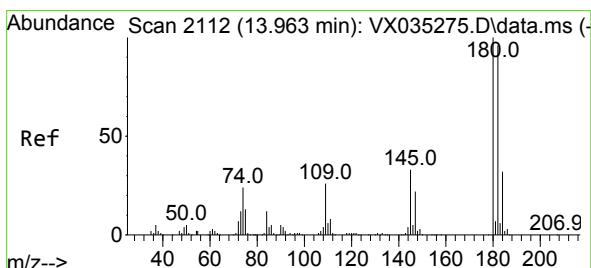
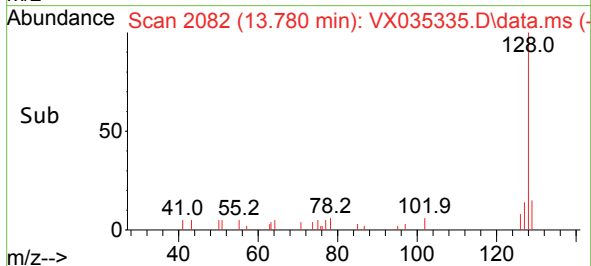
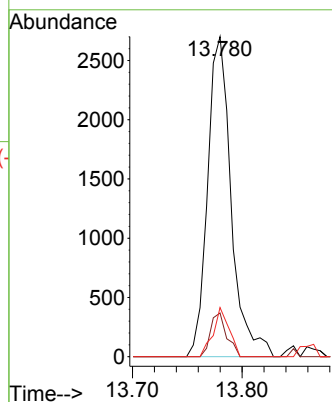
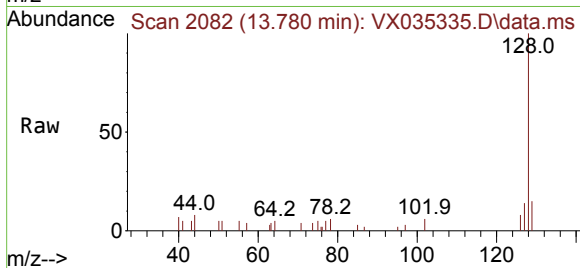
Tgt Ion:128 Resp: 4042

Ion Ratio Lower Upper

128 100

127 9.4 10.2 15.4#

129 10.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.291 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX035335.D

Acq: 27 Apr 2023 12:52

Tgt Ion:180 Resp: 1000

Ion Ratio Lower Upper

180 100

182 91.5 48.0 144.2

145 53.4 17.7 53.1#

