

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062923\
 Data File : VX036371.D
 Acq On : 29 Jun 2023 12:26
 Operator : JC/MD
 Sample : 03451-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Jun 30 01:29:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

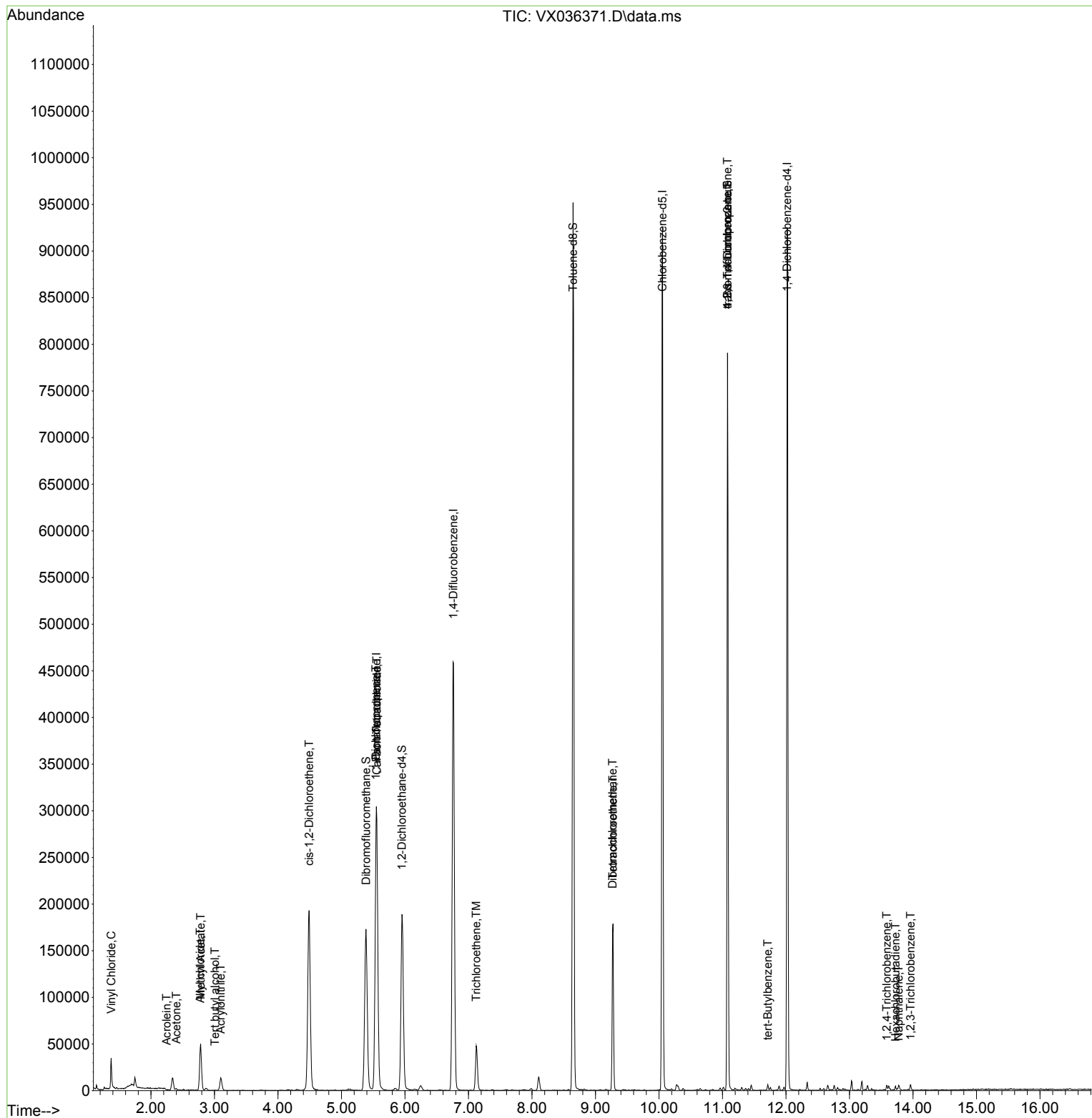
Internal Standards						
1) Pentafluorobenzene	5.550	168	287519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	475917	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	414438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	188557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	179037	43.441	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.880%		
35) Dibromofluoromethane	5.385	113	148016	47.168	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.340%		
50) Toluene-d8	8.647	98	558911	47.686	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.380%		
62) 4-Bromofluorobenzene	11.079	95	199513	48.327	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.660%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	17228	3.337	ug/l	97
11) Tert butyl alcohol	3.008	59	374	0.499	ug/l #	78
13) Acrolein	2.246	56	229	0.222	ug/l #	79
14) Allyl chloride	2.776	41	14117	2.658	ug/l #	65
15) Acrylonitrile	3.099	53	670	0.352	ug/l #	32
16) Acetone	2.398	43	2179	1.237	ug/l	96
18) Methyl Acetate	2.782	43	33006	4.556	ug/l #	53
27) cis-1,2-Dichloroethene	4.489	96	118200	30.227	ug/l	83
36) 1,1-Dichloropropene	5.544	75	22469	4.803	ug/l #	51
38) Carbon Tetrachloride	5.556	117	28734	6.726	ug/l #	15
44) Trichloroethene	7.123	130	18073	4.973	ug/l	92
60) Dibromochloromethane	9.269	129	31180	9.325	ug/l #	11
64) Tetrachloroethene	9.275	164	32192	11.001	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	102486	25.482	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	102486	83.063	ug/l #	5
83) tert-Butylbenzene	11.713	119	2517	0.218	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	1371	0.352	ug/l	94
94) Hexachlorobutadiene	13.725	225	662	0.415	ug/l	88
95) Naphthalene	13.774	128	3931	0.305	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	1445	0.380	ug/l #	82

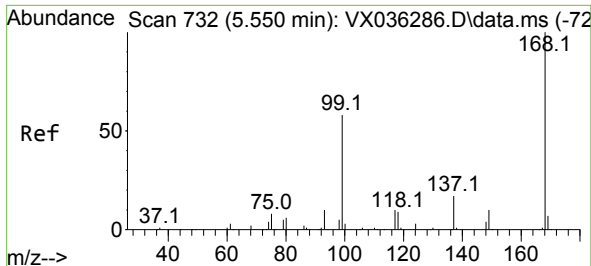
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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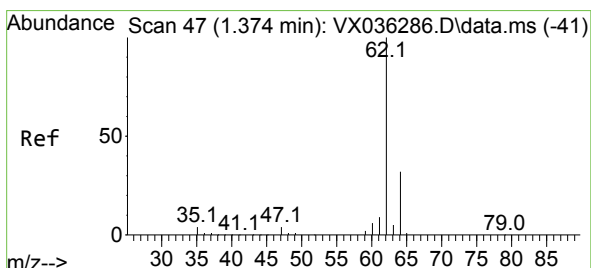
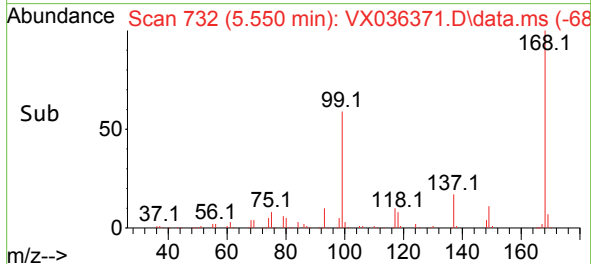
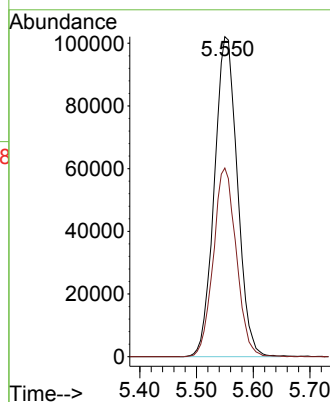
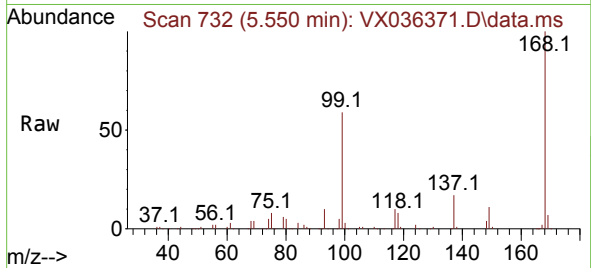




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.001 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

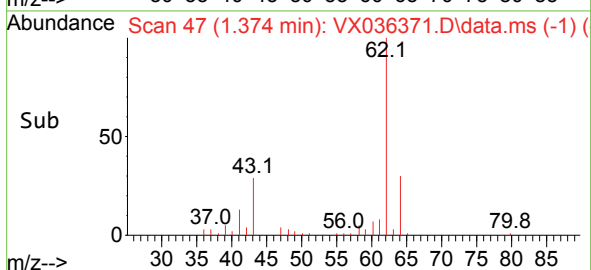
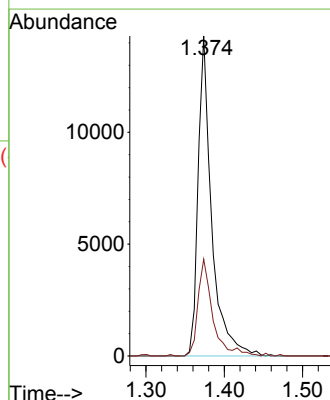
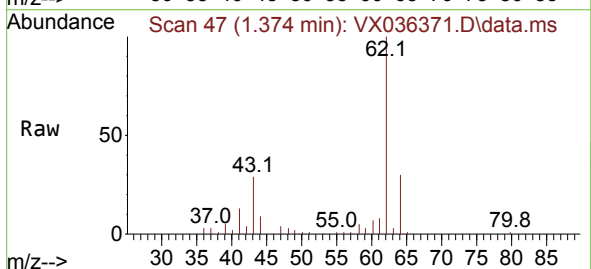
Instrument :
MSVOA_X
ClientSampleId :
MW-1

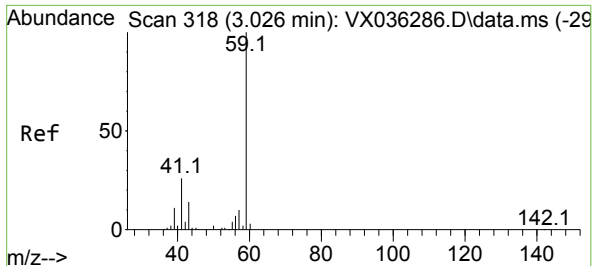
Tgt Ion:168 Resp: 287519
Ion Ratio Lower Upper
168 100
99 59.0 56.6 85.0



#4
Vinyl Chloride
Concen: 3.337 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

Tgt Ion: 62 Resp: 17228
Ion Ratio Lower Upper
62 100
64 30.3 25.4 38.0





#11

Tert butyl alcohol

Concen: 0.499 ug/l

RT: 3.008 min Scan# 318

Delta R.T. -0.005 min

Lab File: VX036371.D

Acq: 29 Jun 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

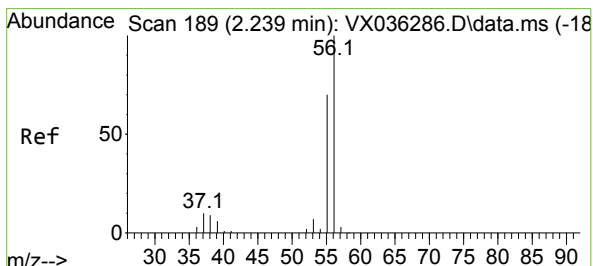
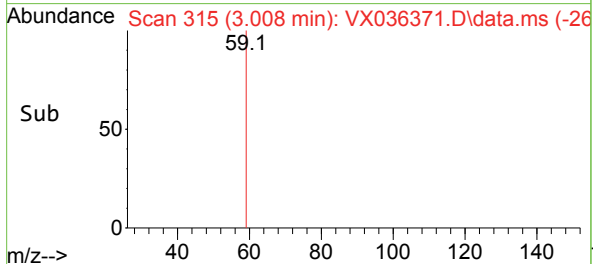
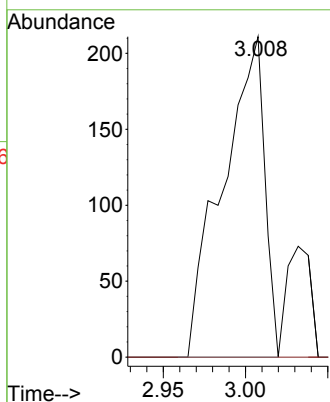
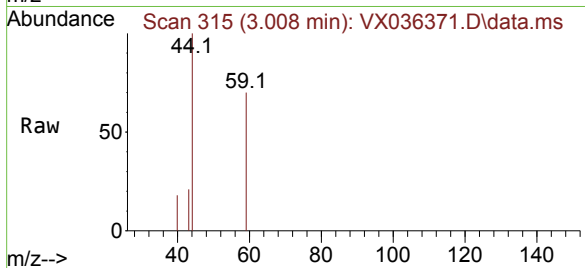
MW-1

Tgt Ion: 59 Resp: 374

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.222 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.007 min

Lab File: VX036371.D

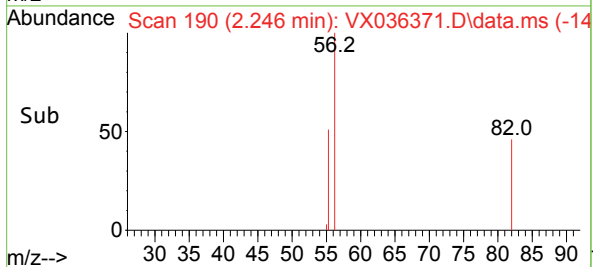
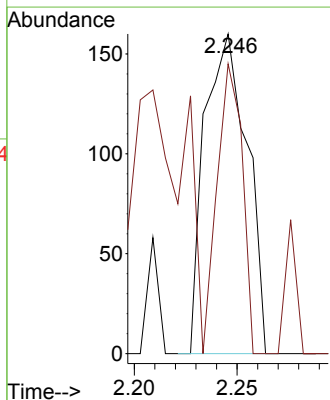
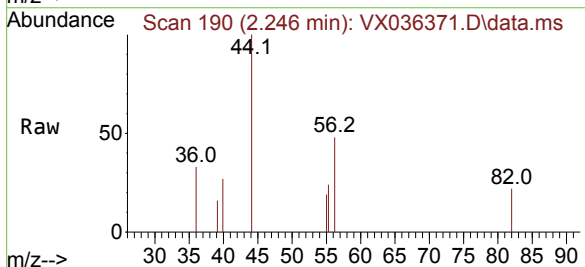
Acq: 29 Jun 2023 12:26

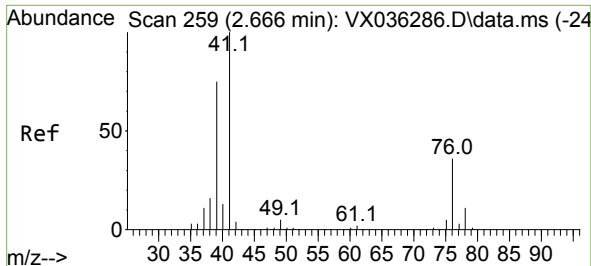
Tgt Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 53.7 57.1 85.7#

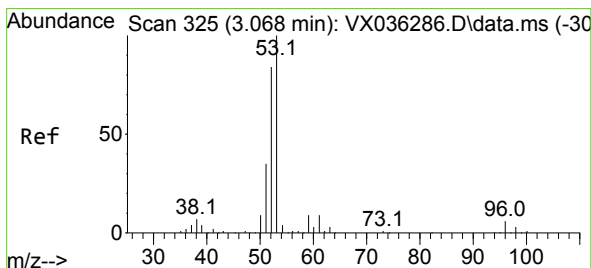
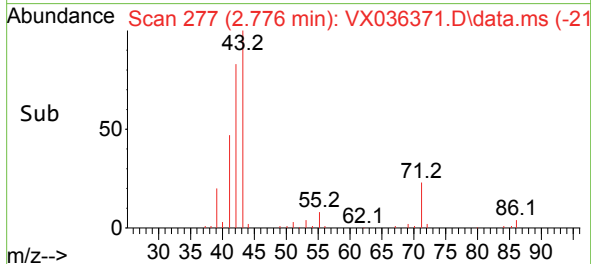
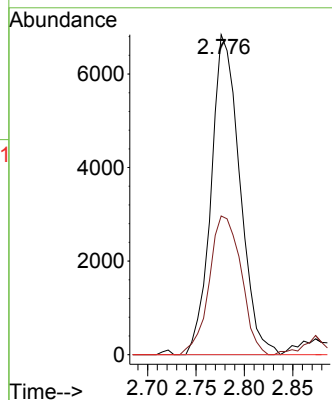
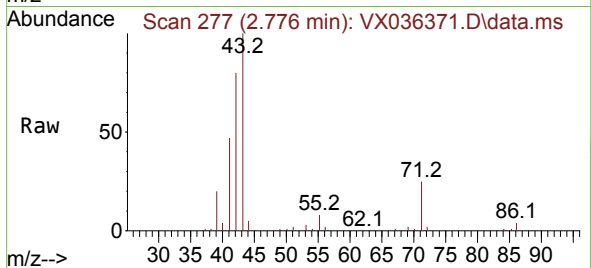




#14
Allyl chloride
Concen: 2.658 ug/l
RT: 2.776 min Scan# 21
Delta R.T. 0.110 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

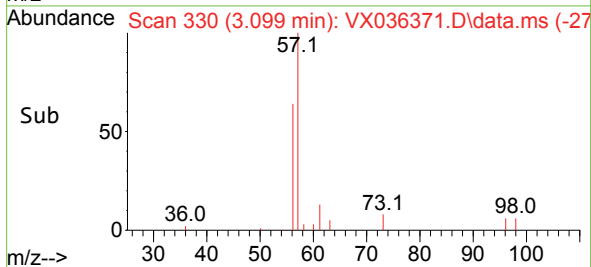
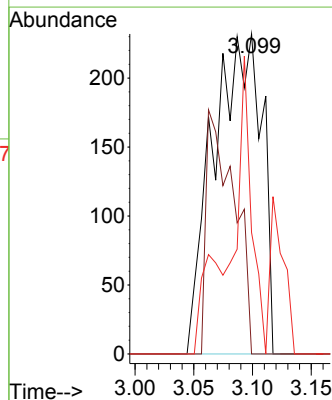
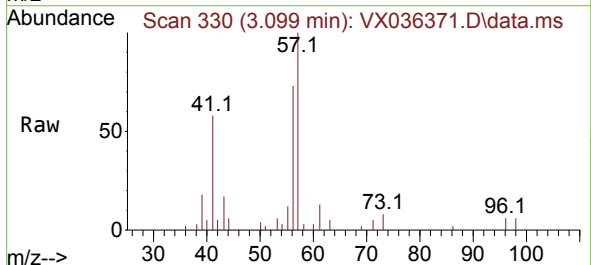
Instrument :
MSVOA_X
ClientSampleId :
MW-1

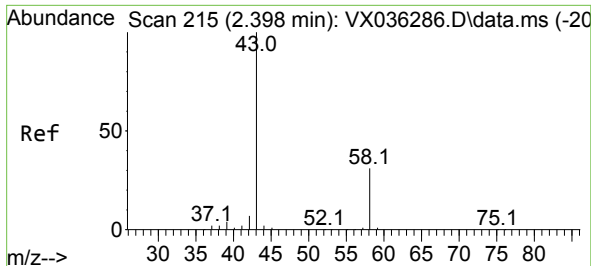
Tgt Ion: 41 Resp: 14117
Ion Ratio Lower Upper
41 100
39 48.1 55.8 83.6#
76 0.0 24.3 36.5#



#15
Acrylonitrile
Concen: 0.352 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.025 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

Tgt Ion: 53 Resp: 670
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 27.5 29.8 44.6#

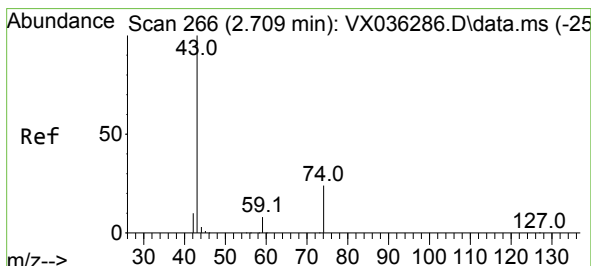
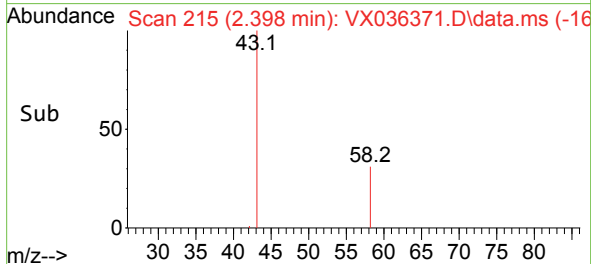
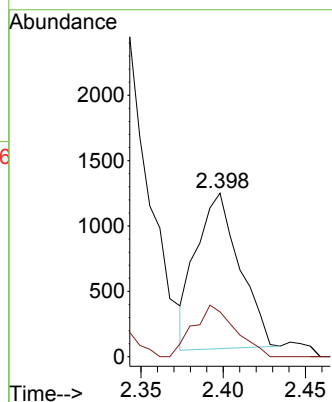
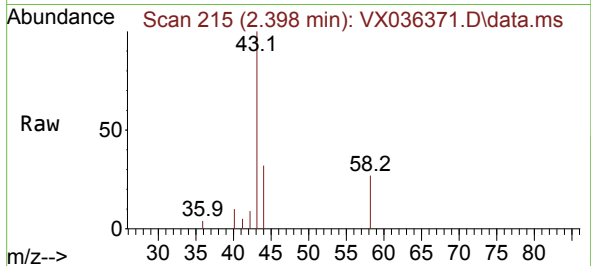




#16
Acetone
Concen: 1.237 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

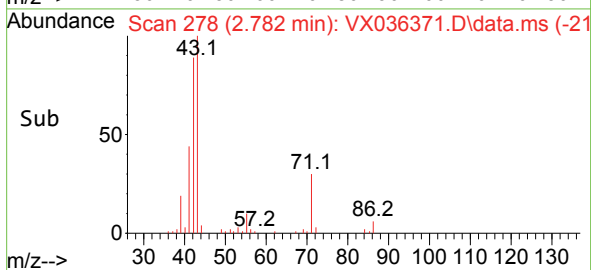
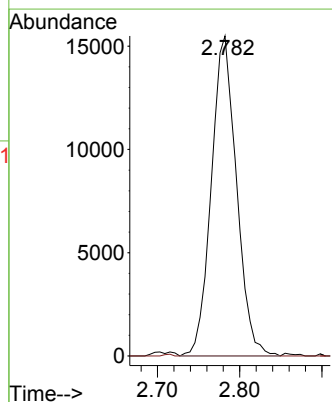
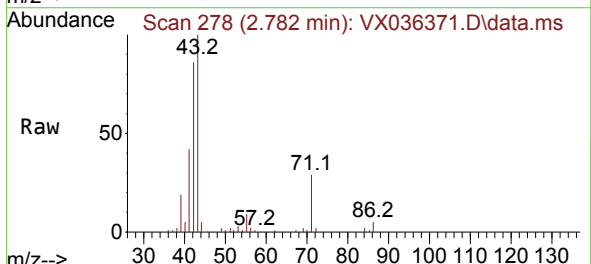
Instrument :
MSVOA_X
ClientSampleId :
MW-1

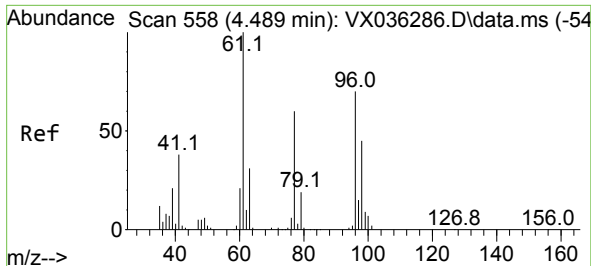
Tgt Ion: 43 Resp: 2179
Ion Ratio Lower Upper
43 100
58 29.3 21.9 32.9



#18
Methyl Acetate
Concen: 4.556 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.073 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

Tgt Ion: 43 Resp: 33006
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#





#27

cis-1,2-Dichloroethene

Concen: 30.227 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX036371.D

Acq: 29 Jun 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

MW-1

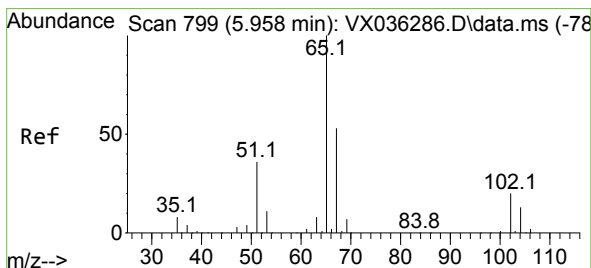
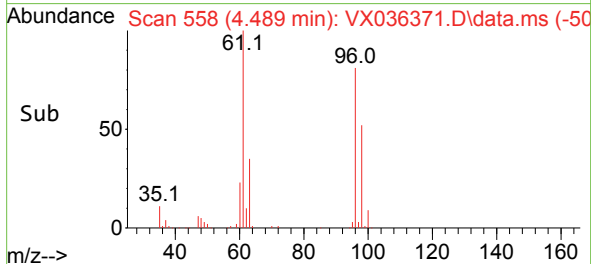
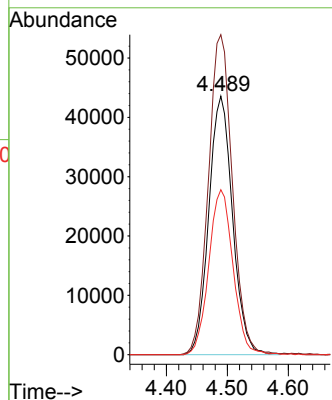
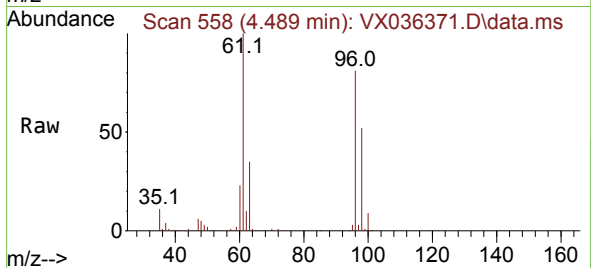
Tgt Ion: 96 Resp: 118200

Ion Ratio Lower Upper

96 100

61 125.4 0.0 312.2

98 65.0 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 43.441 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX036371.D

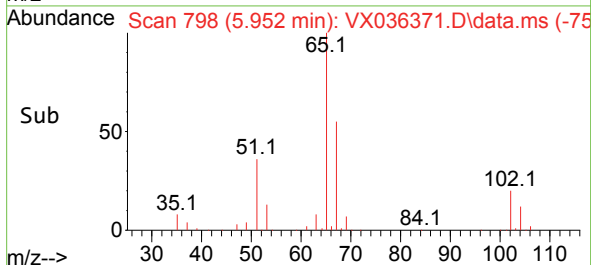
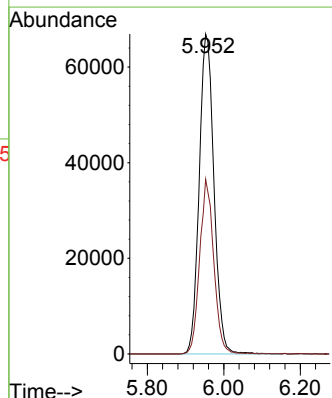
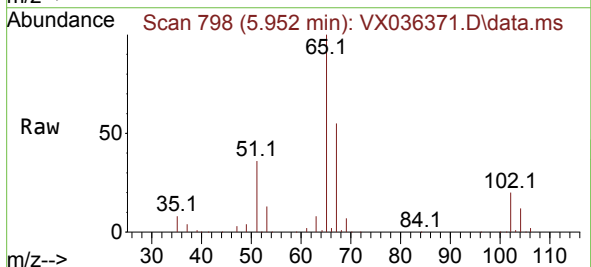
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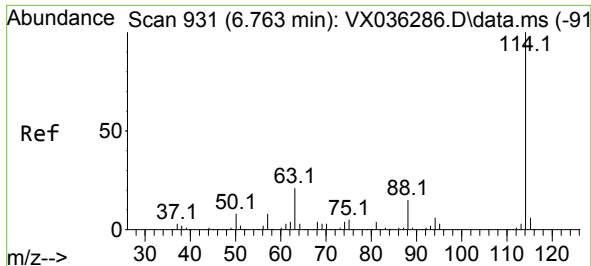
Tgt Ion: 65 Resp: 179037

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# 91

Delta R.T. 0.000 min

Lab File: VX036371.D

Acq: 29 Jun 2023 12:26

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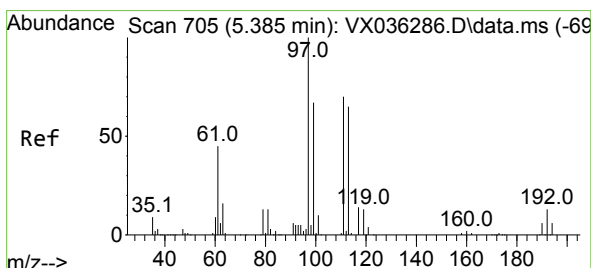
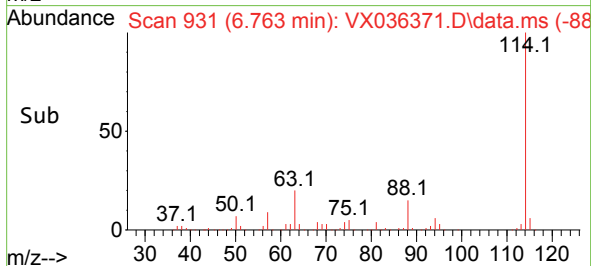
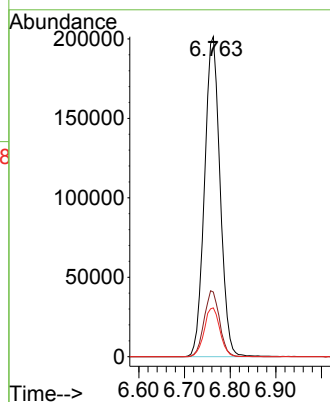
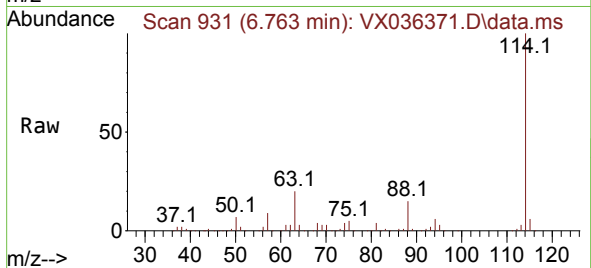
Tgt Ion:114 Resp: 475917

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.0

88 15.3 0.0 36.6



#35

Dibromofluoromethane

Concen: 47.168 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036371.D

Acq: 29 Jun 2023 12:26

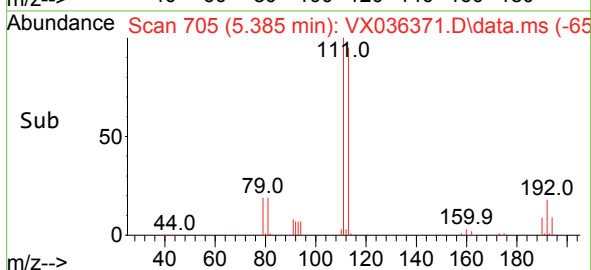
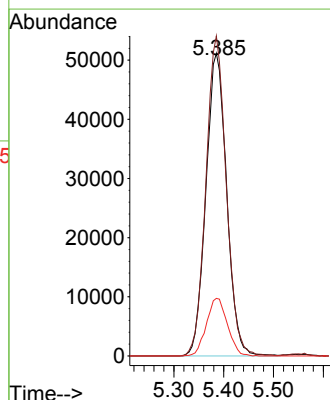
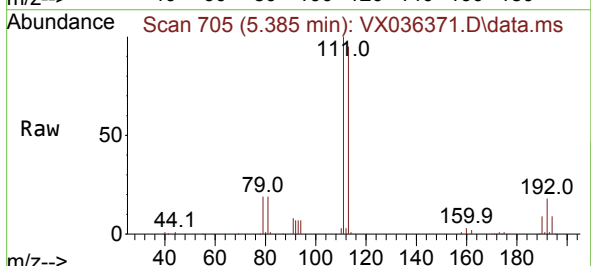
Tgt Ion:113 Resp: 148016

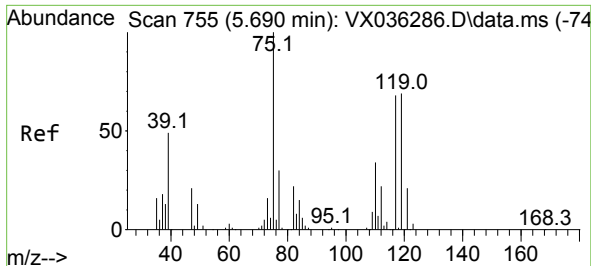
Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

192 19.3 13.3 19.9

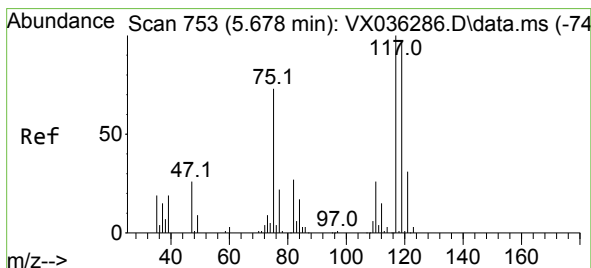
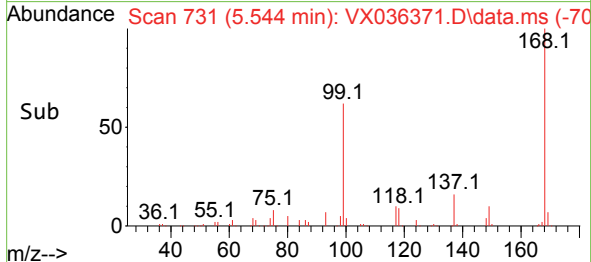
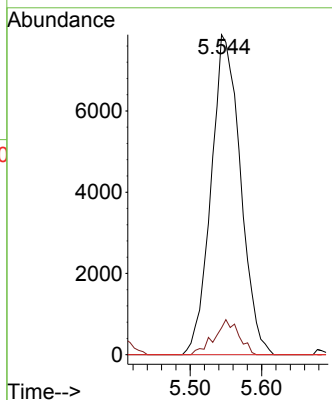
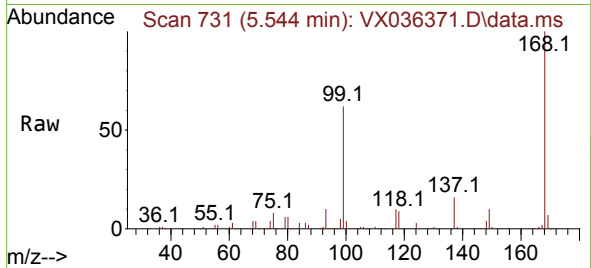




#36
1,1-Dichloropropene
Concen: 4.803 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

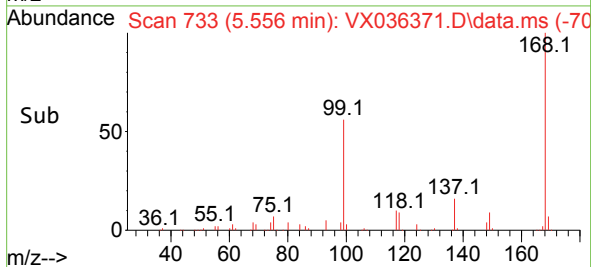
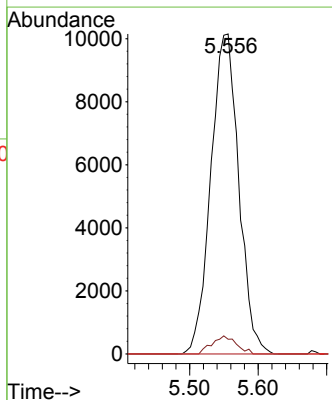
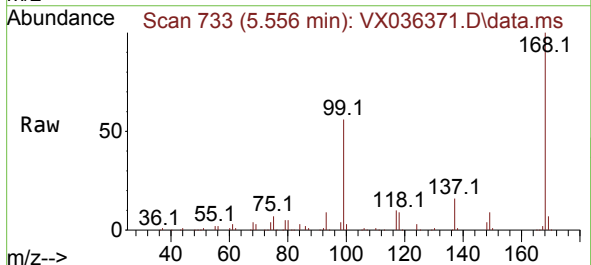
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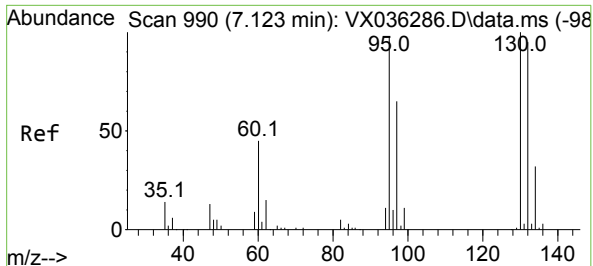
Tgt Ion: 75 Resp: 22469
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.726 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

Tgt Ion: 117 Resp: 28734
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#

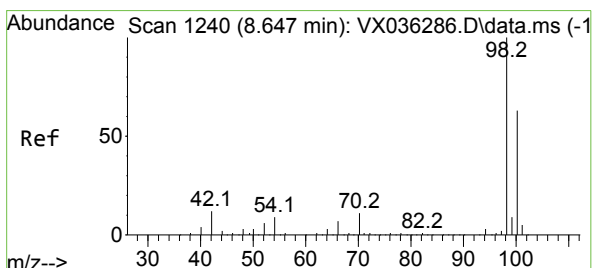
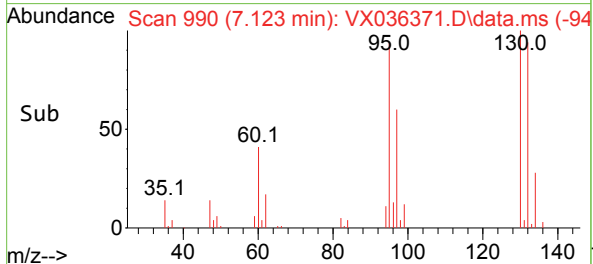
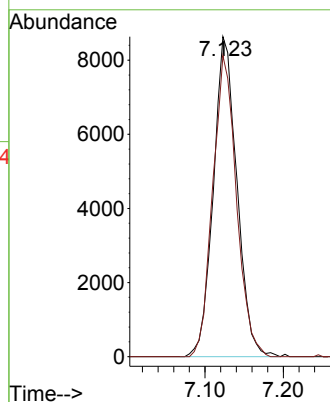
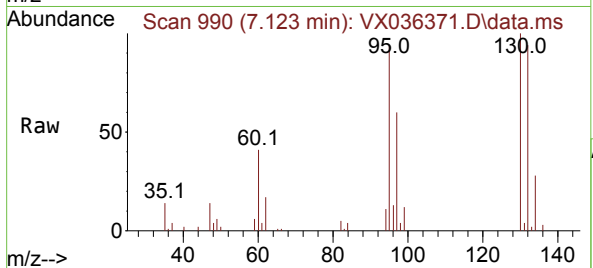




#44
Trichloroethene
Concen: 4.973 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.001 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

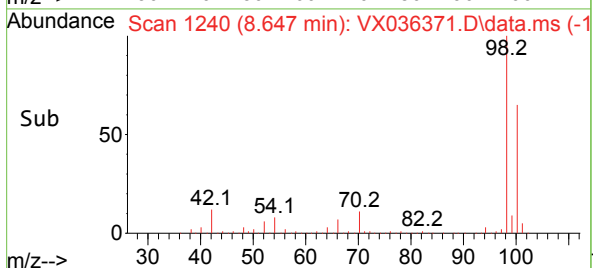
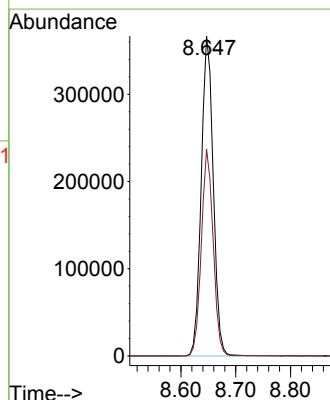
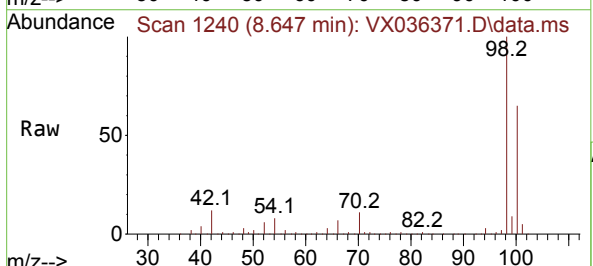
Instrument :
MSVOA_X
ClientSampleId :
MW-1

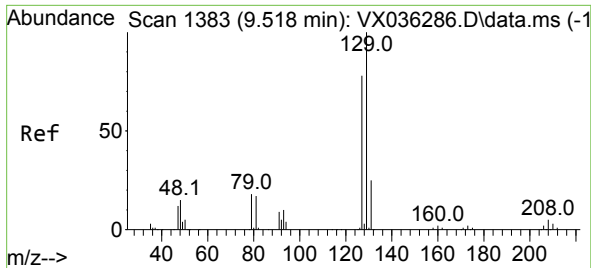
Tgt Ion:130 Resp: 18073
Ion Ratio Lower Upper
130 100
95 94.0 0.0 204.4



#50
Toluene-d8
Concen: 47.686 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

Tgt Ion: 98 Resp: 558911
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7

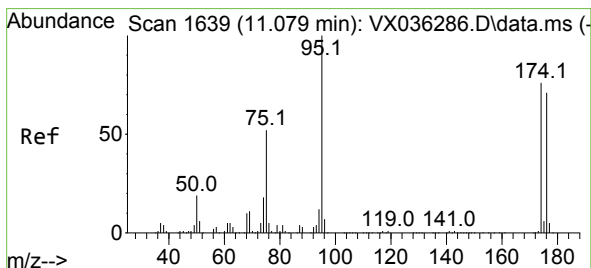
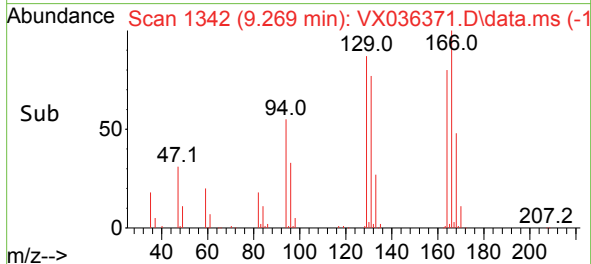
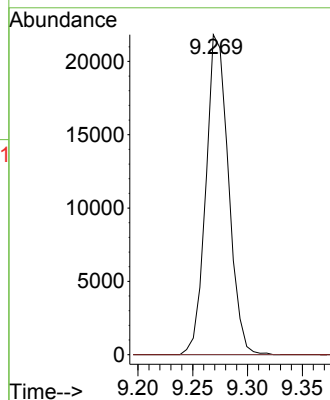
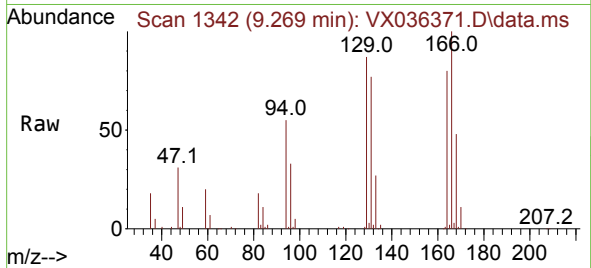




#60
Dibromochloromethane
Concen: 9.325 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.249 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

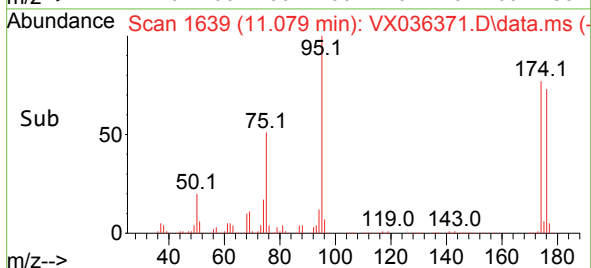
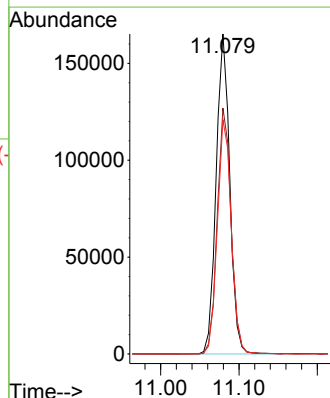
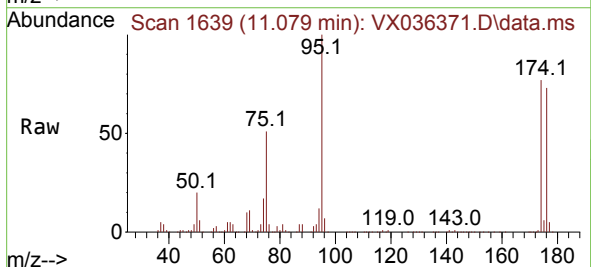
Instrument :
MSVOA_X
ClientSampleId :
MW-1

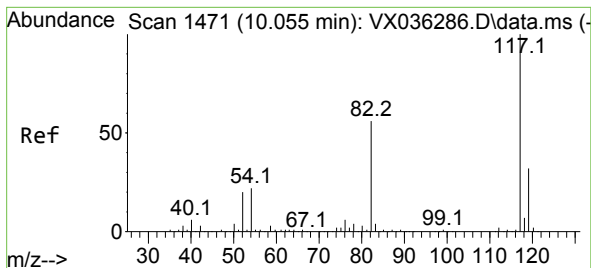
Tgt Ion:129 Resp: 31180
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.327 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036371.D
Acq: 29 Jun 2023 12:26

Tgt Ion: 95 Resp: 199513
Ion Ratio Lower Upper
95 100
174 78.0 0.0 135.6
176 74.9 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: VX036371.D

Acq: 29 Jun 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

MW-1

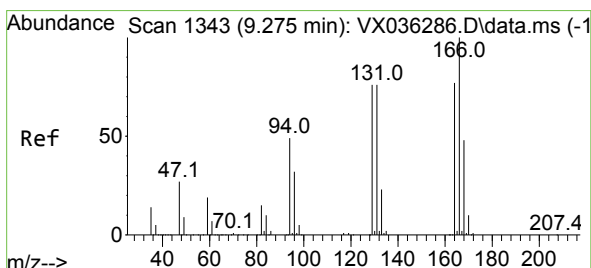
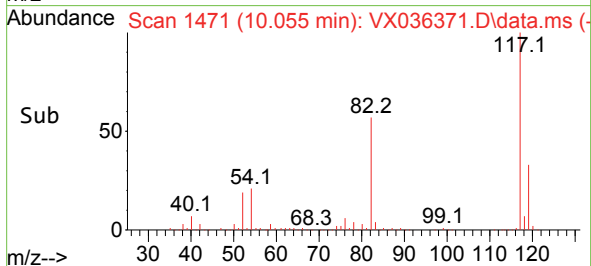
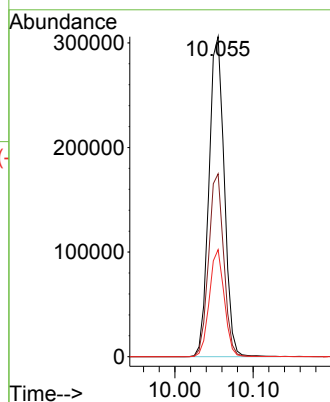
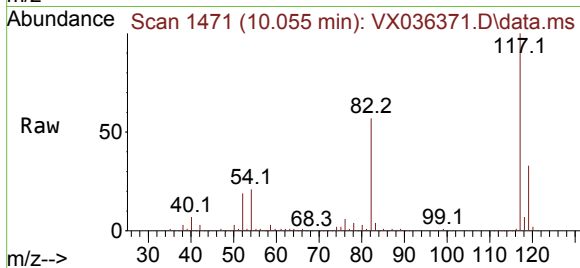
Tgt Ion:117 Resp: 414438

Ion Ratio Lower Upper

117 100

82 57.2 46.2 69.4

119 33.4 25.5 38.3



#64

Tetrachloroethene

Concen: 11.001 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.001 min

Lab File: VX036371.D

Acq: 29 Jun 2023 12:26

Tgt Ion:164 Resp: 32192

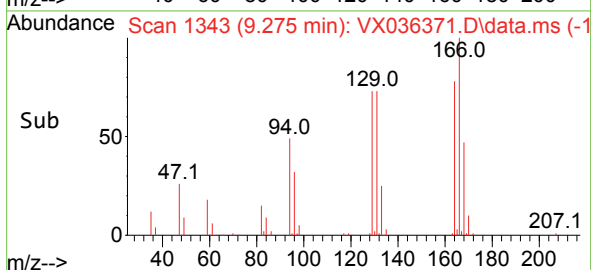
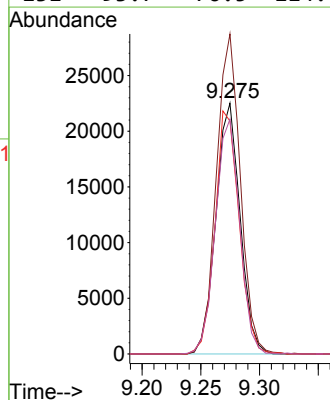
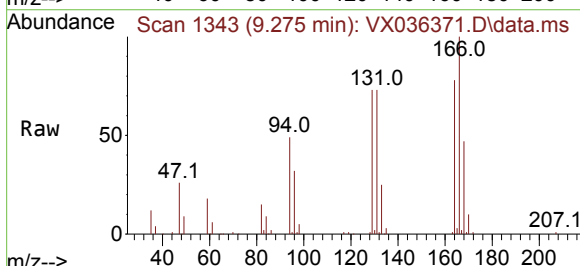
Ion Ratio Lower Upper

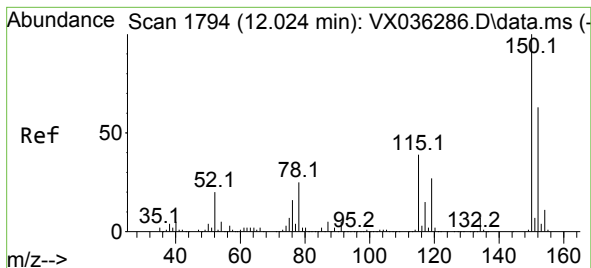
164 100

166 127.6 102.7 154.1

129 92.9 80.4 120.6

131 93.7 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX036371.D

Acq: 29 Jun 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

MW-1

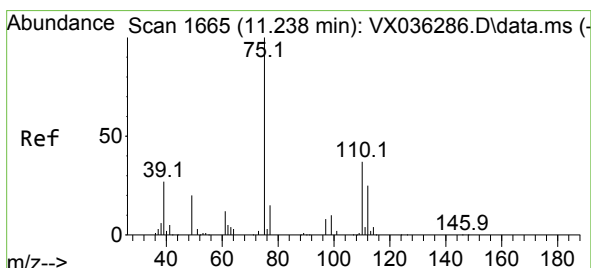
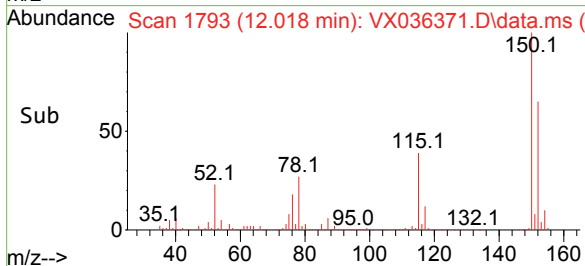
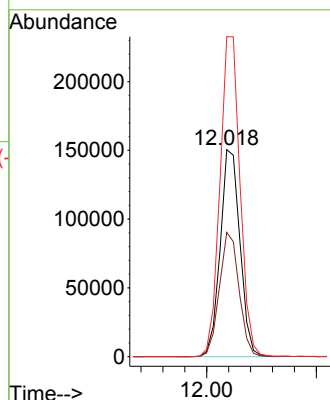
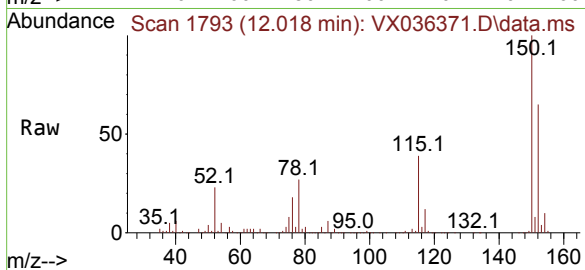
Tgt Ion:152 Resp: 188557

Ion Ratio Lower Upper

152 100

115 59.8 43.3 129.9

150 157.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.482 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036371.D

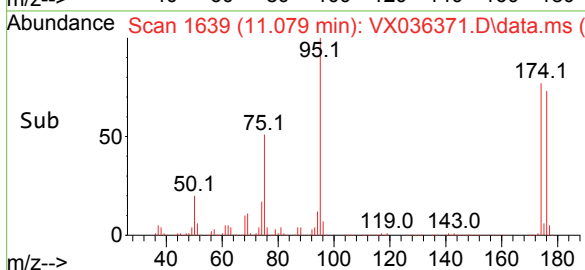
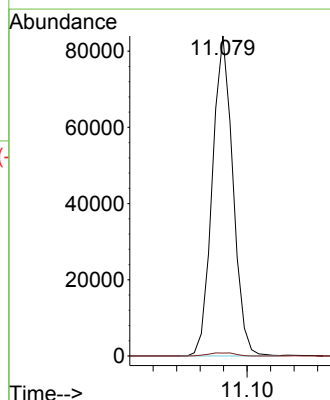
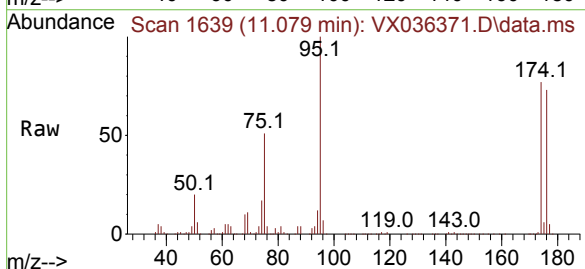
Acq: 29 Jun 2023 12:26

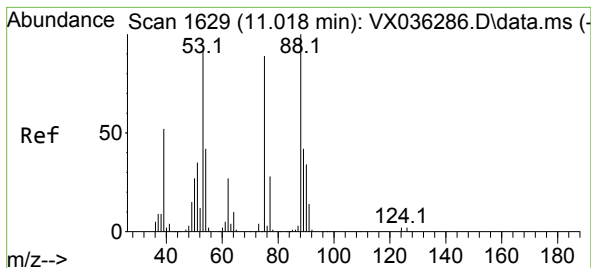
Tgt Ion: 75 Resp: 102486

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

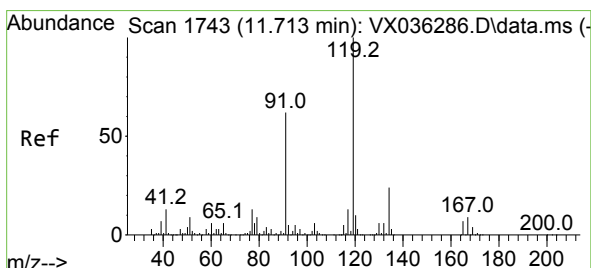
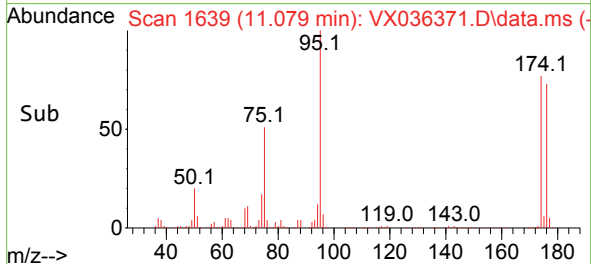
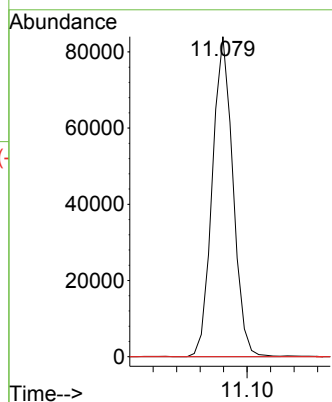
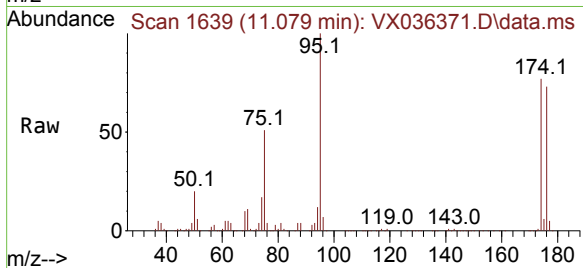




#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.063 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036371.D
 Acq: 29 Jun 2023 12:26

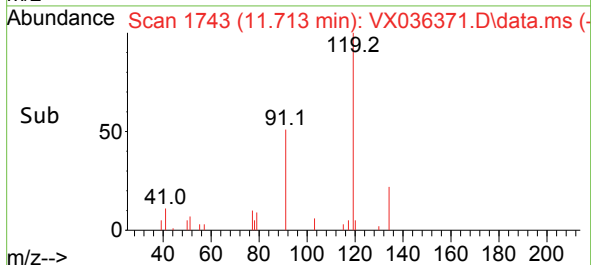
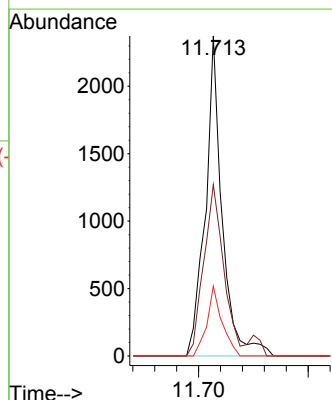
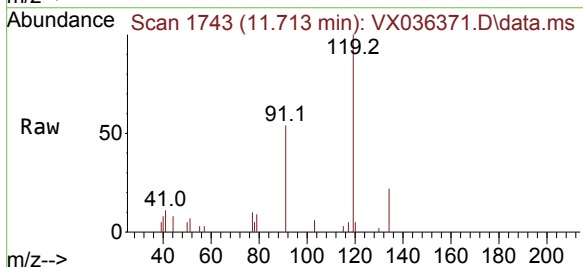
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

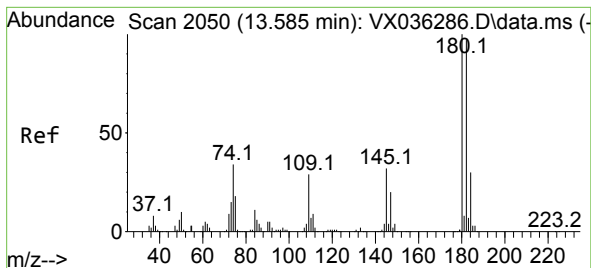
Tgt Ion: 75 Resp: 102486
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#83
 tert-Butylbenzene
 Concen: 0.218 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX036371.D
 Acq: 29 Jun 2023 12:26

Tgt Ion: 119 Resp: 2517
 Ion Ratio Lower Upper
 119 100
 91 64.9 31.2 93.6
 134 19.7 11.7 35.0





#93

1,2,4-Trichlorobenzene

Concen: 0.352 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX036371.D

Acq: 29 Jun 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

MW-1

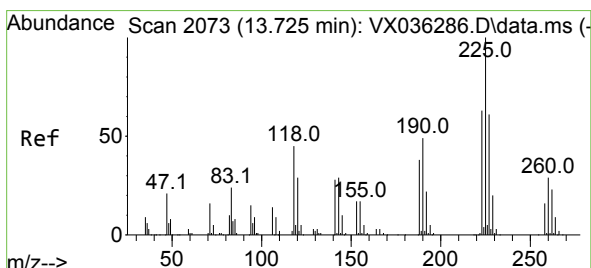
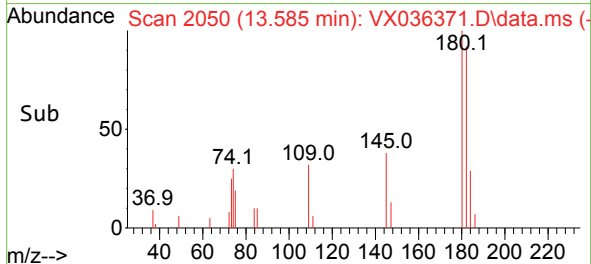
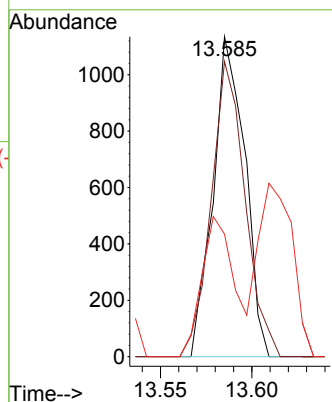
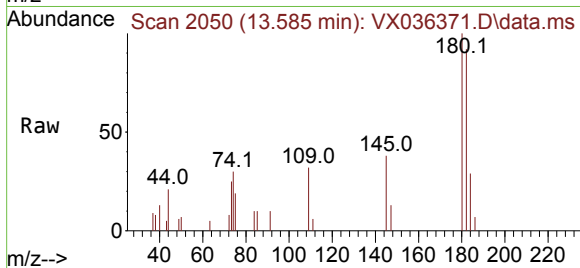
Tgt Ion:180 Resp: 1371

Ion Ratio Lower Upper

180 100

182 98.4 48.3 144.8

145 45.1 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.415 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX036371.D

Acq: 29 Jun 2023 12:26

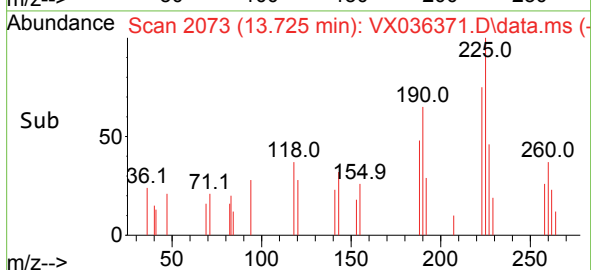
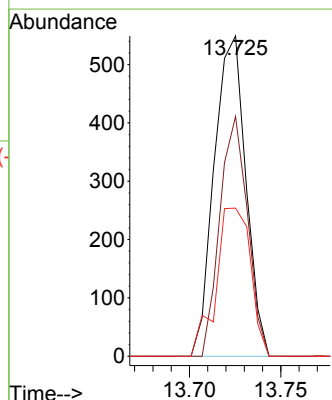
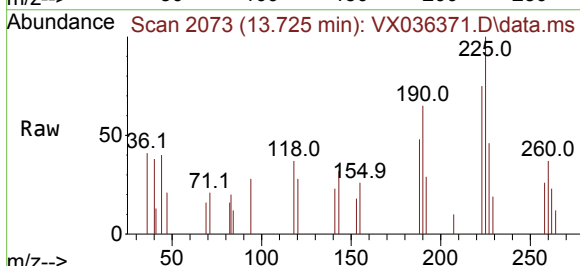
Tgt Ion:225 Resp: 662

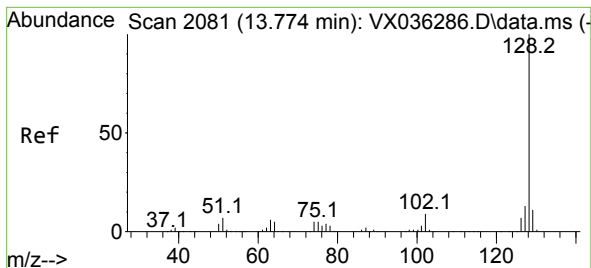
Ion Ratio Lower Upper

225 100

223 65.6 31.1 93.2

227 50.5 32.5 97.5





#95

Naphthalene

Concen: 0.305 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX036371.D

Acq: 29 Jun 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

MW-1

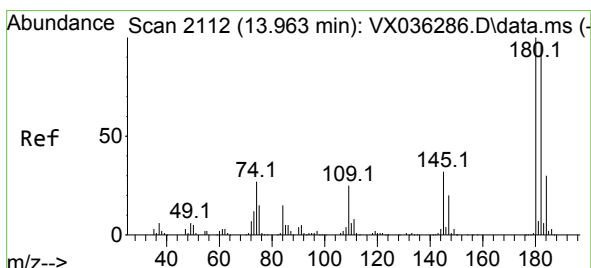
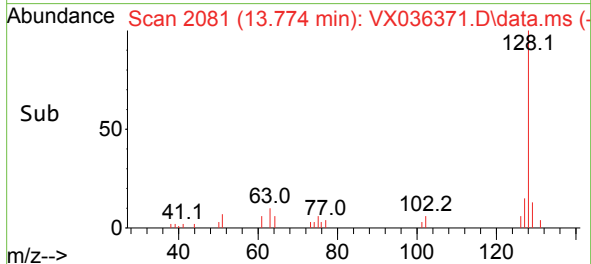
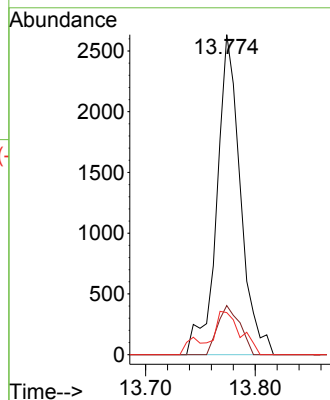
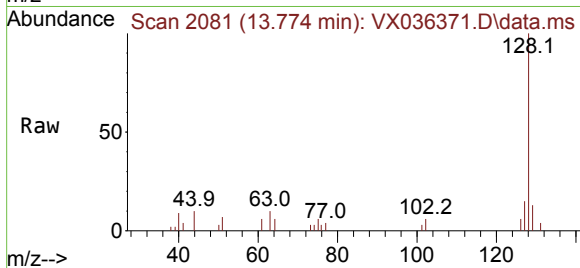
Tgt Ion:128 Resp: 3931

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

129 15.1 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.380 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX036371.D

Acq: 29 Jun 2023 12:26

Tgt Ion:180 Resp: 1445

Ion Ratio Lower Upper

180 100

182 91.8 46.9 140.6

145 70.6 17.8 53.5#

