

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070723\
 Data File : VX036468.D
 Acq On : 07 Jul 2023 18:38
 Operator : JC/MD
 Sample : 03533-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 7623

Quant Time: Jul 07 23:08:59 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)

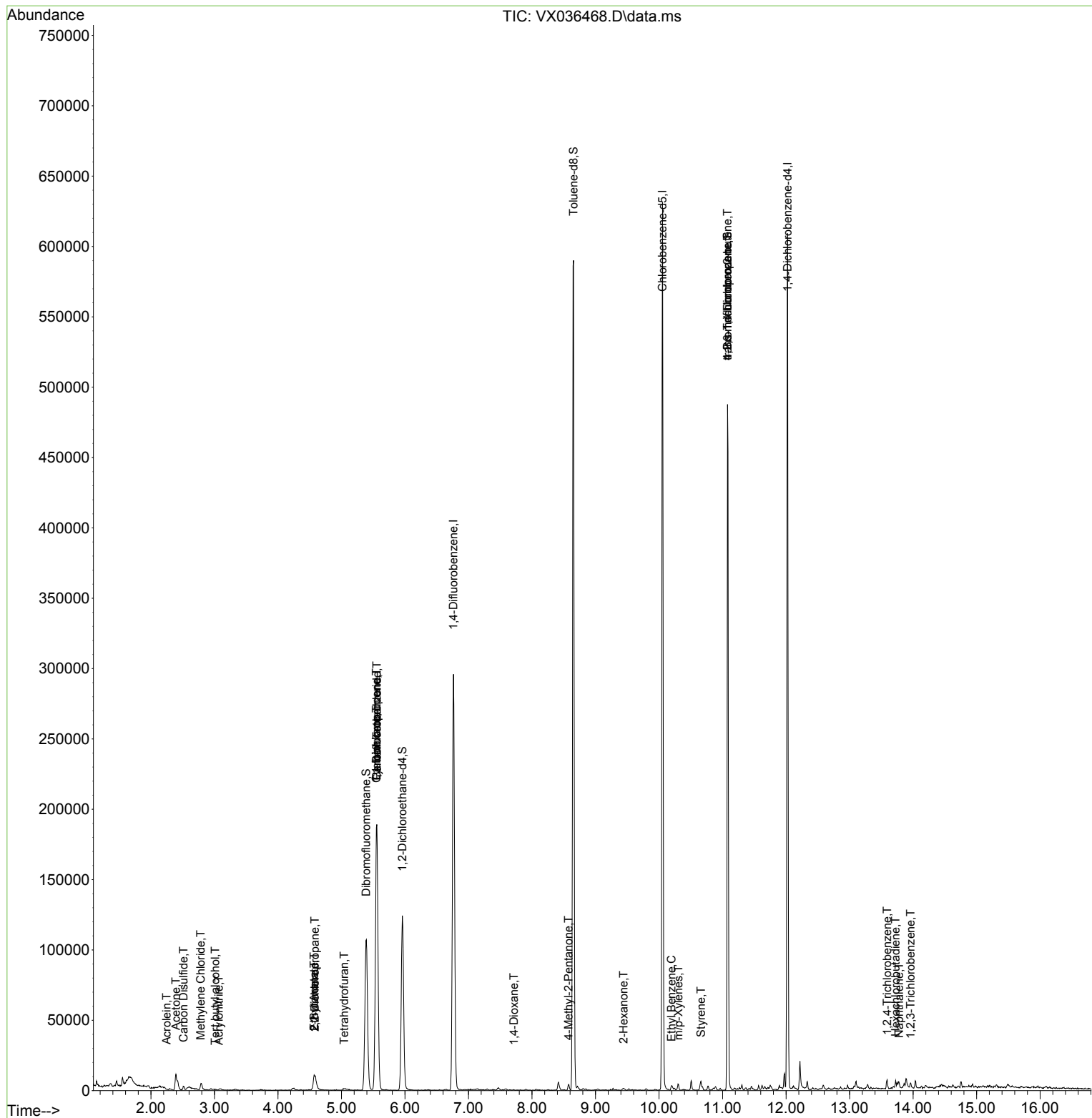
Internal Standards						
1) Pentafluorobenzene	5.556	168	177301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	297618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	274349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	115537	45.460	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.920%
35) Dibromofluoromethane	5.385	113	94583	48.197	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.400%
50) Toluene-d8	8.653	98	366366	49.985	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.960%
62) 4-Bromofluorobenzene	11.079	95	127209	49.273	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.014	59	441	0.953	ug/l #	78
13) Acrolein	2.245	56	144	0.227	ug/l	96
15) Acrylonitrile	3.068	53	383	0.327	ug/l	88
16) Acetone	2.392	43	13462	12.392	ug/l	90
17) Carbon Disulfide	2.514	76	3758	0.759	ug/l	95
20) Methylene Chloride	2.782	84	2363	1.010	ug/l #	69
25) 2-Butanone	4.568	43	10234	6.557	ug/l	95
26) 2,2-Dichloropropane	4.580	77	619	0.226	ug/l #	54
29) Tetrahydrofuran	5.044	42	436	0.439	ug/l #	49
31) Cyclohexane	5.550	56	4009	1.231	ug/l #	3
36) 1,1-Dichloropropene	5.550	75	14023	4.794	ug/l #	51
37) Ethyl Acetate	4.568	43	10234	3.433	ug/l #	71
38) Carbon Tetrachloride	5.556	117	18030	6.749	ug/l #	15
49) 1,4-Dioxane	7.714	88	93	1.769	ug/l #	12
51) 4-Methyl-2-Pentanone	8.574	43	2697	0.880	ug/l	96
59) 2-Hexanone	9.439	43	1034	0.462	ug/l	95
67) Ethyl Benzene	10.195	91	2191	0.214	ug/l #	73
68) m/p-Xylenes	10.305	106	1054	0.265	ug/l	94
70) Styrene	10.659	104	2403	0.382	ug/l #	88
76) 1,2,3-Trichloropropane	11.079	75	67082	25.664	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	67082	83.657	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	913	0.361	ug/l	94
94) Hexachlorobutadiene	13.725	225	539	0.520	ug/l	79
95) Naphthalene	13.780	128	2343	0.280	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	958	0.388	ug/l	97

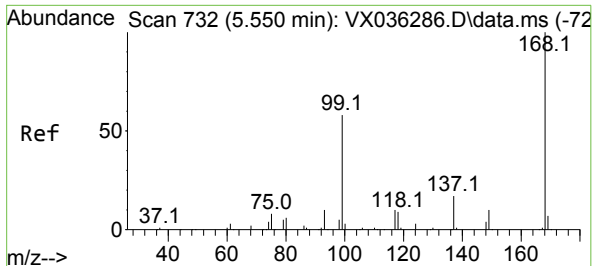
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

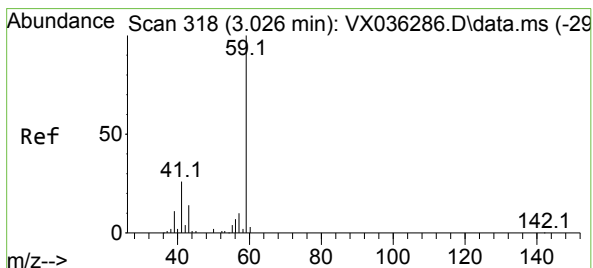
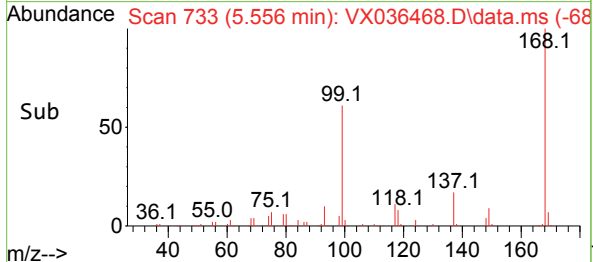
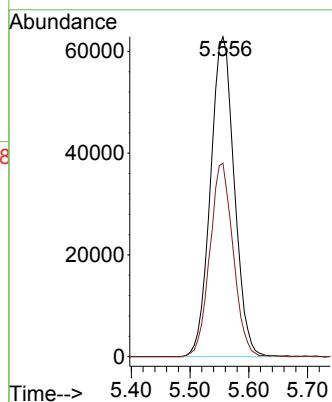
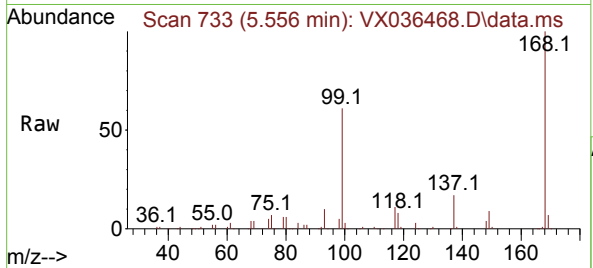




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

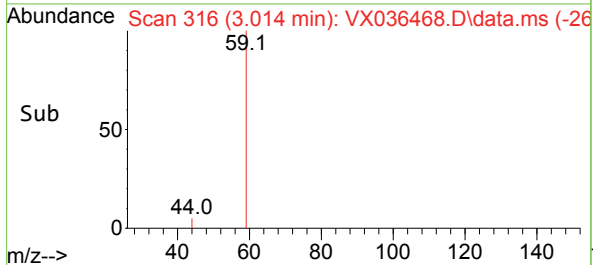
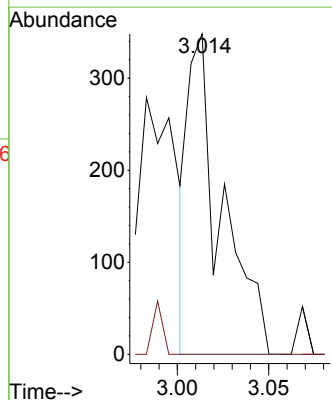
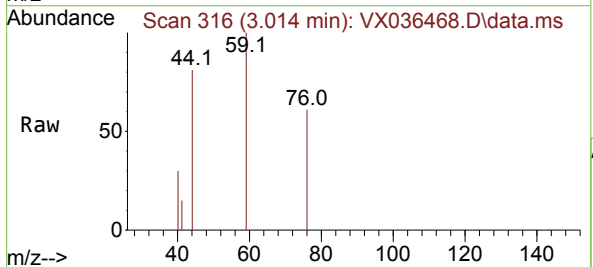
Instrument :
MSVOA_X
ClientSampleId :
7623

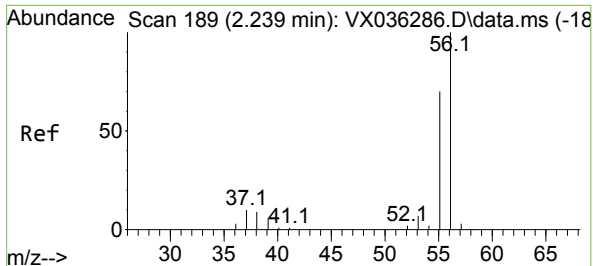
Tgt Ion:168 Resp: 177301
Ion Ratio Lower Upper
168 100
99 60.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.953 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.001 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

Tgt Ion: 59 Resp: 441
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.227 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

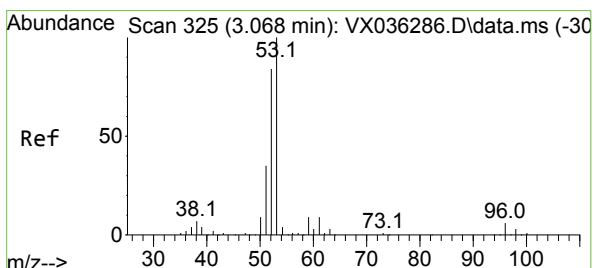
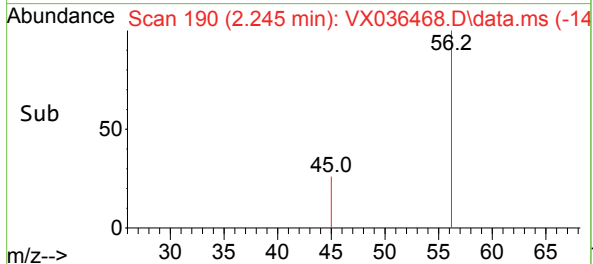
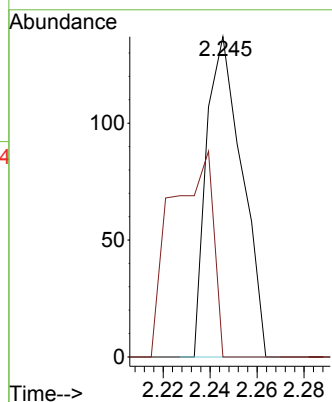
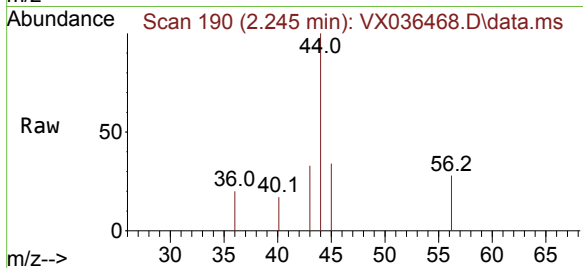
7623

Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

56 100

55 75.0 57.1 85.7



#15

Acrylonitrile

Concen: 0.327 ug/l

RT: 3.068 min Scan# 325

Delta R.T. -0.006 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

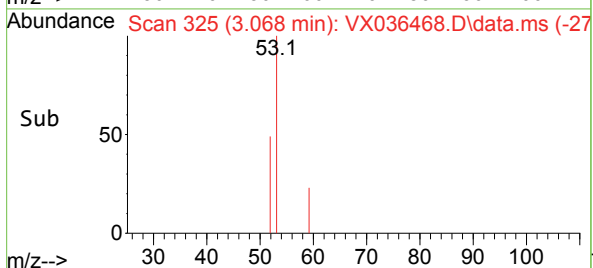
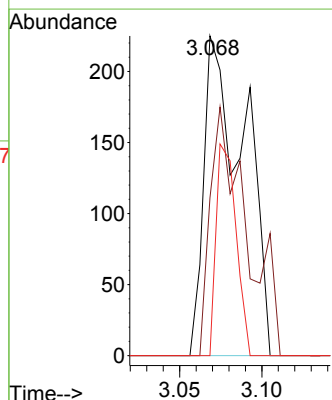
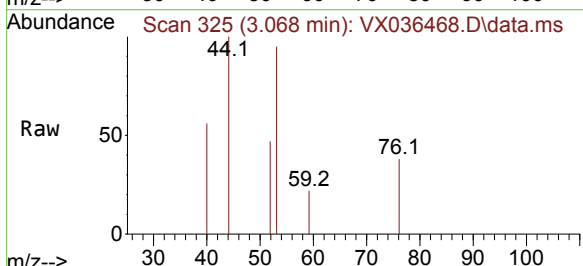
Tgt Ion: 53 Resp: 383

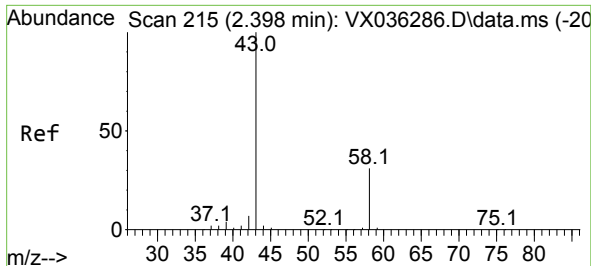
Ion Ratio Lower Upper

53 100

52 69.5 66.0 99.0

51 32.6 29.8 44.6

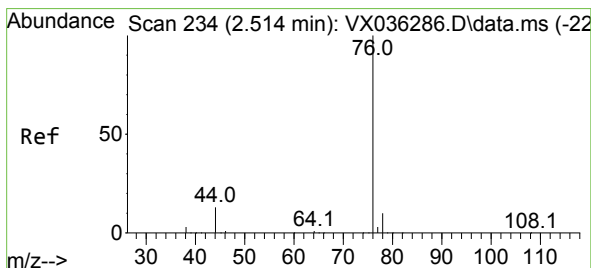
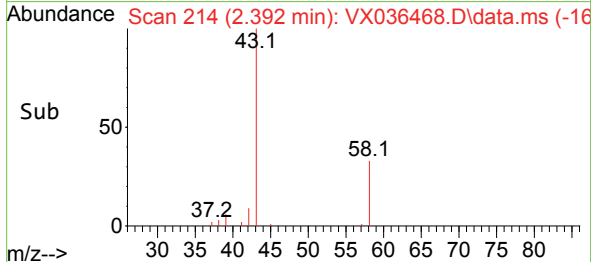
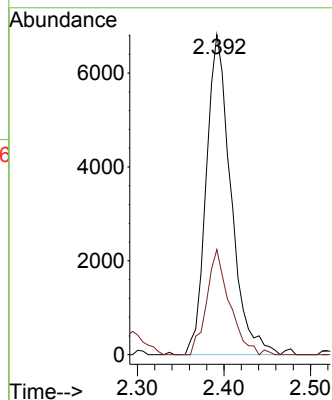
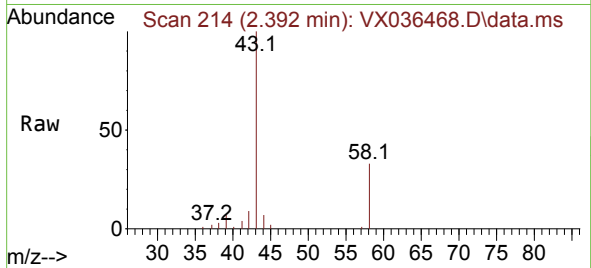




#16
Acetone
Concen: 12.392 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

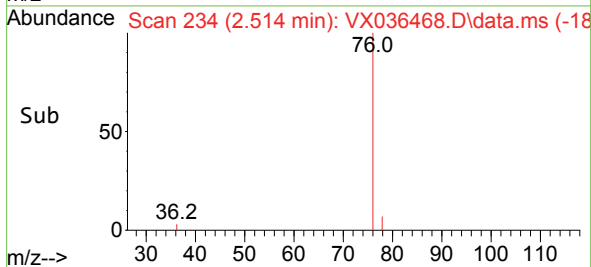
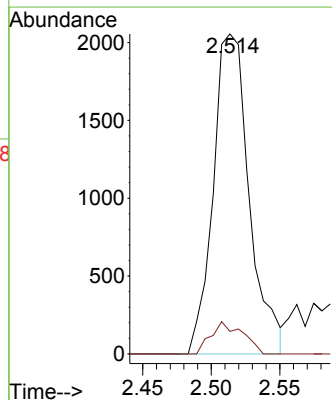
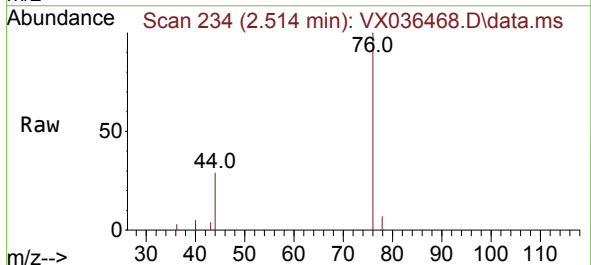
Instrument :
MSVOA_X
ClientSampleId :
7623

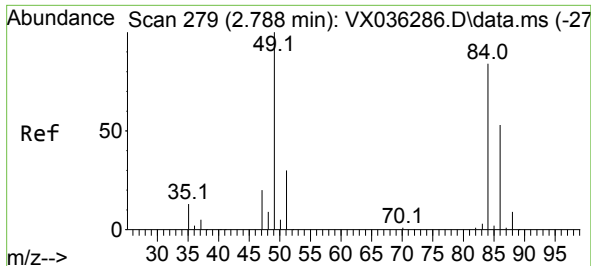
Tgt Ion: 43 Resp: 13462
Ion Ratio Lower Upper
43 100
58 32.9 21.9 32.9



#17
Carbon Disulfide
Concen: 0.759 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

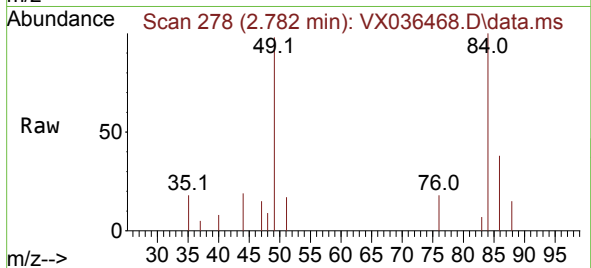
Tgt Ion: 76 Resp: 3758
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.6



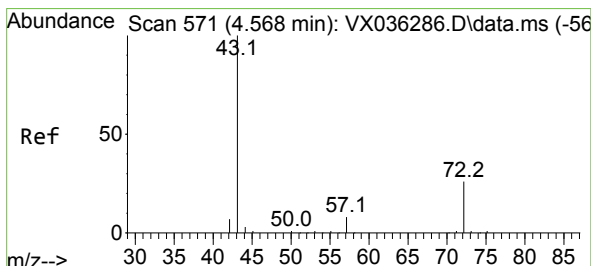
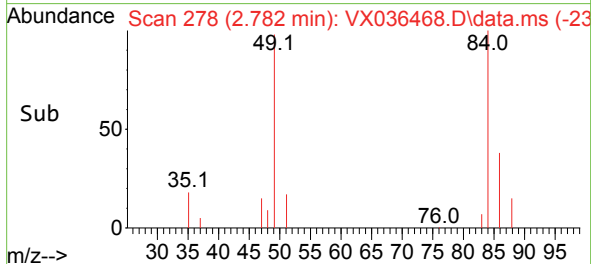
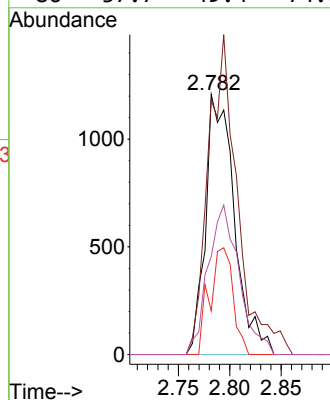


#20
Methylene Chloride
Concen: 1.010 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :
7623

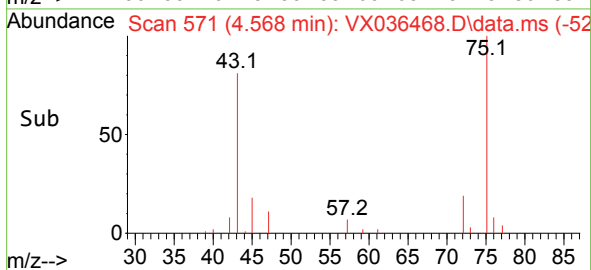
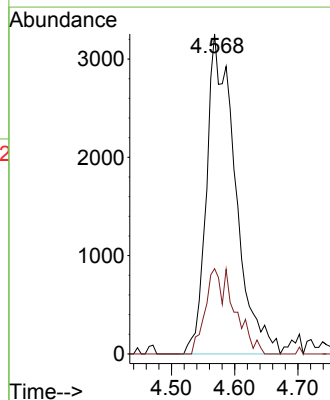
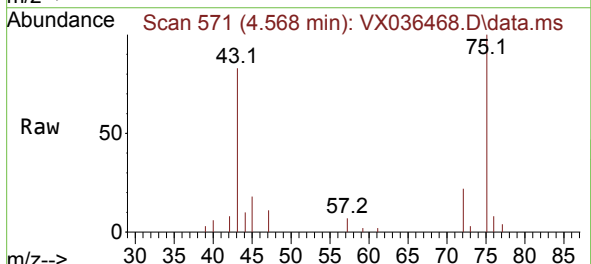


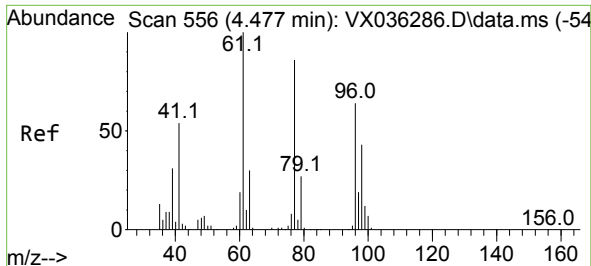
Tgt Ion: 84	Resp: 2363
Ion Ratio	Lower Upper
84 100	
49 97.8	103.6 155.4#
51 16.7	33.8 50.6#
86 37.7	49.4 74.0#



#25
2-Butanone
Concen: 6.557 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

Tgt Ion: 43	Resp: 10234
Ion Ratio	Lower Upper
43 100	
72 26.7	19.4 29.2





#26

2,2-Dichloropropane

Concen: 0.226 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.103 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

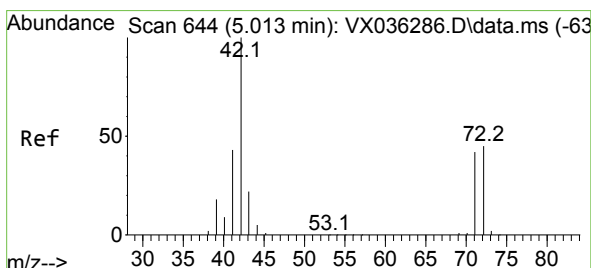
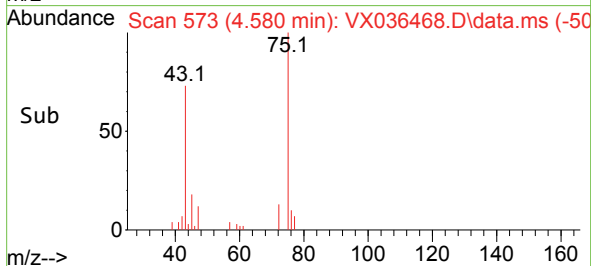
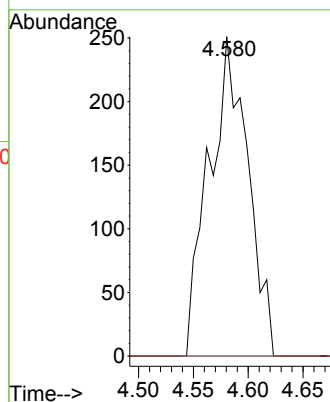
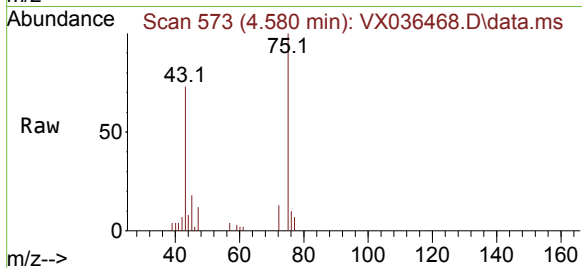
7623

Tgt Ion: 77 Resp: 619

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#29

Tetrahydrofuran

Concen: 0.439 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.025 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

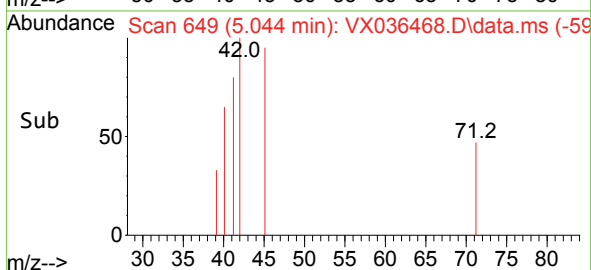
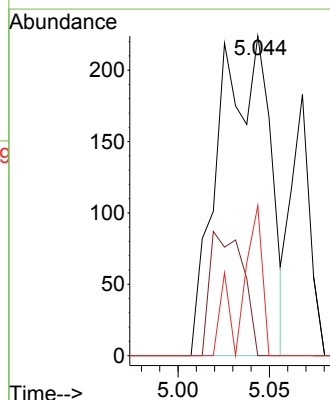
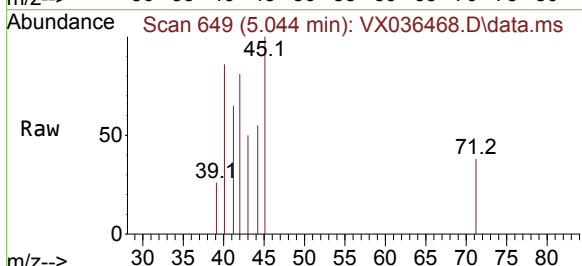
Tgt Ion: 42 Resp: 436

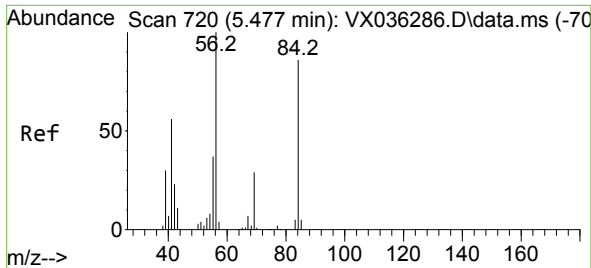
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 19.0 32.2 48.2#

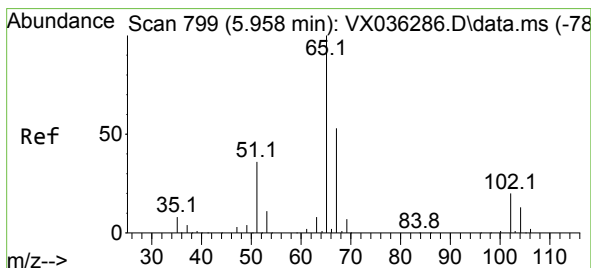
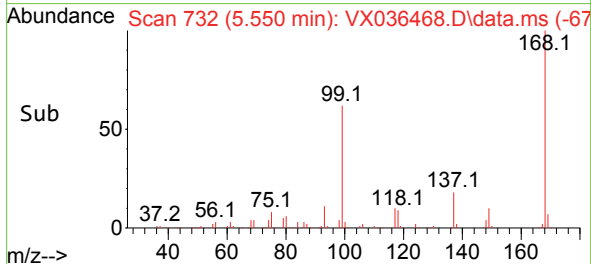
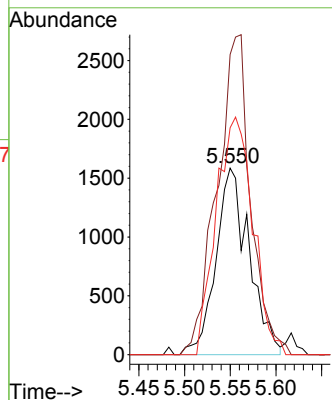
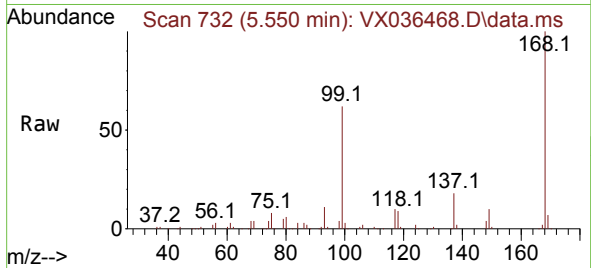




#31
Cyclohexane
Concen: 1.231 ug/l
RT: 5.550 min Scan# 712
Delta R.T. 0.080 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

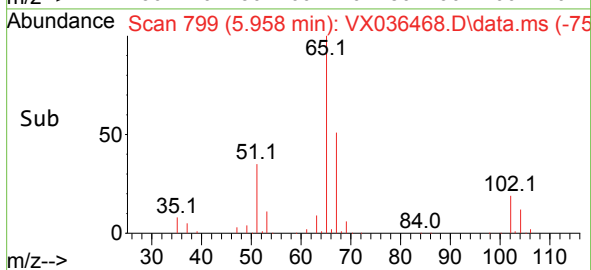
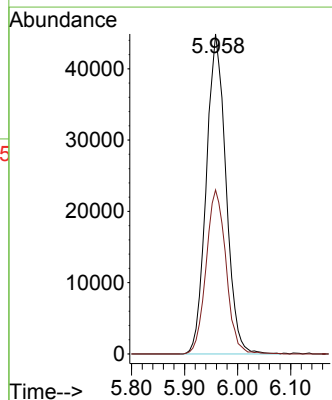
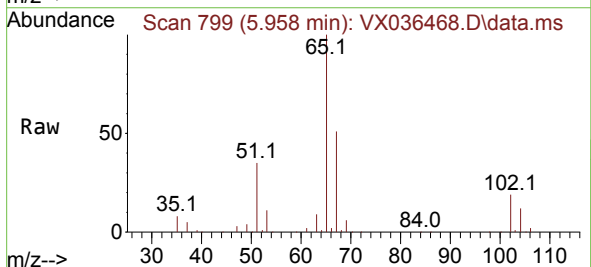
Instrument :
MSVOA_X
ClientSampleId :
7623

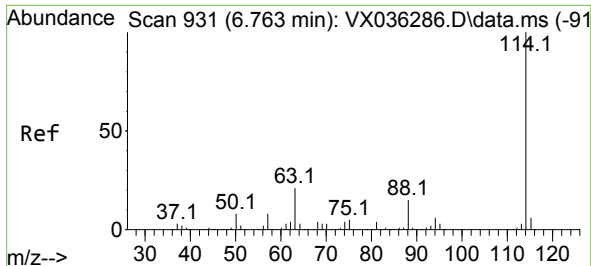
Tgt Ion: 56 Resp: 4009
Ion Ratio Lower Upper
56 100
69 160.9 23.4 35.2#
84 121.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.460 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

Tgt Ion: 65 Resp: 115537
Ion Ratio Lower Upper
65 100
67 51.9 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: VX036468.D

Acq: 07 Jul 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

7623

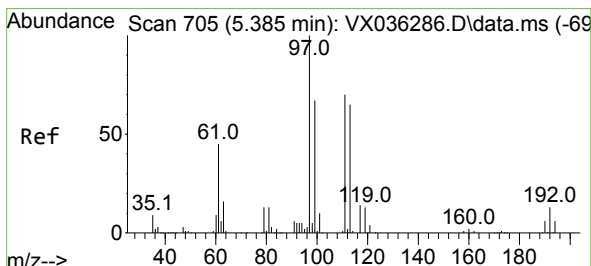
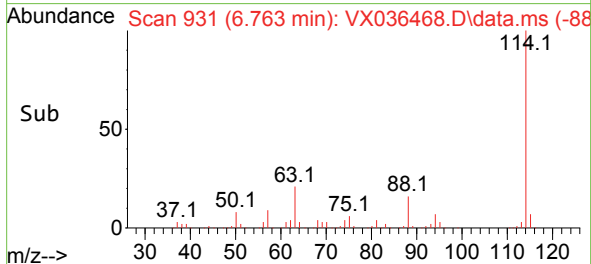
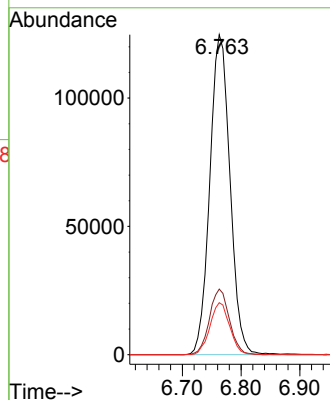
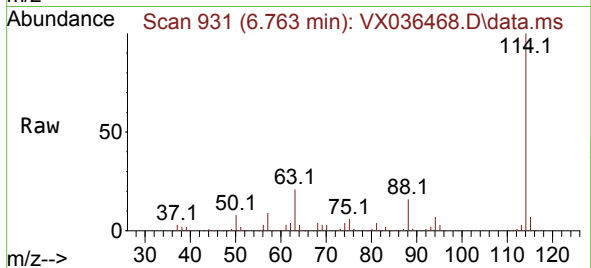
Tgt Ion:114 Resp: 297618

Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.0

88 16.3 0.0 36.6



#35

Dibromofluoromethane

Concen: 48.197 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

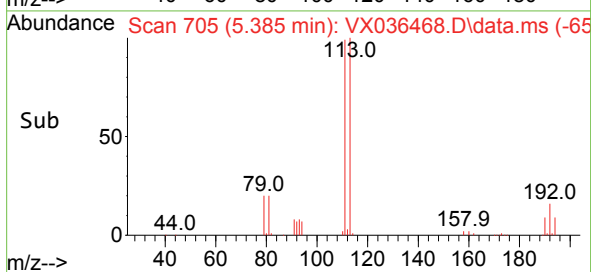
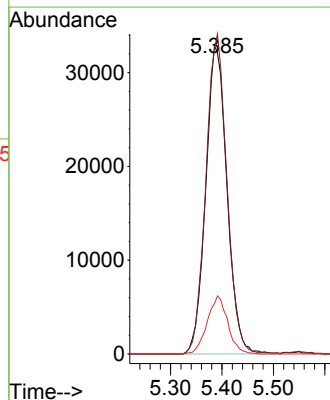
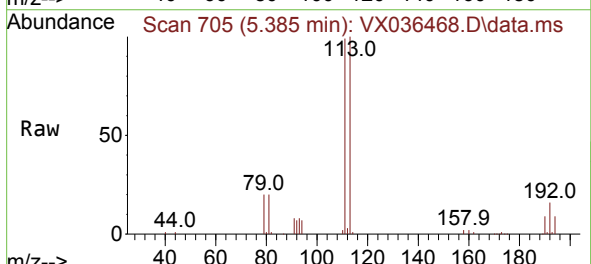
Tgt Ion:113 Resp: 94583

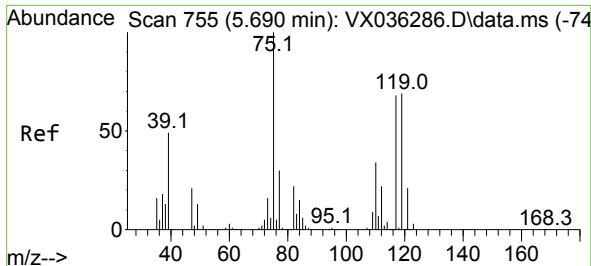
Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

192 18.1 13.3 19.9

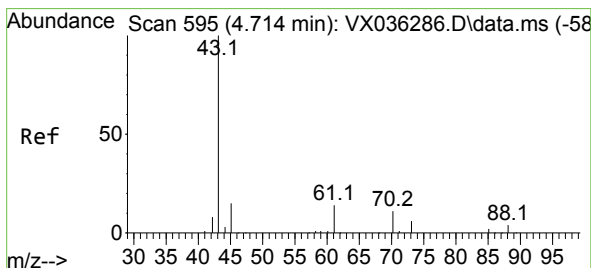
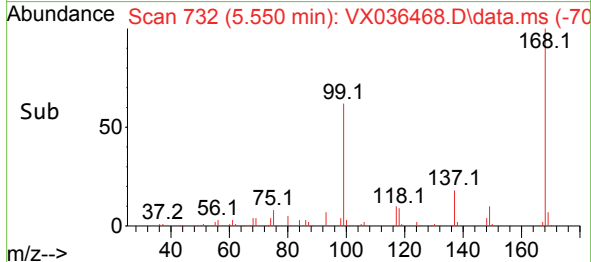
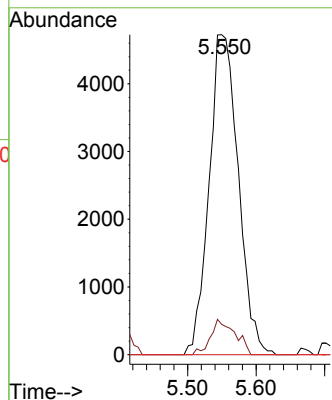
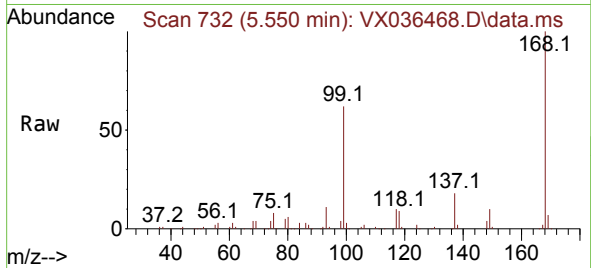




#36
1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

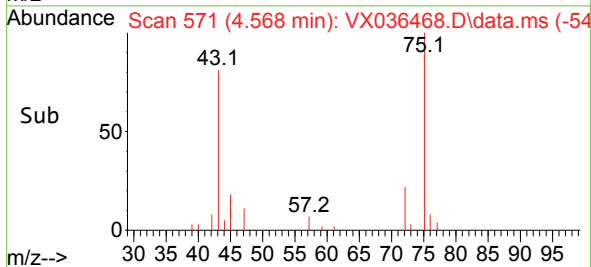
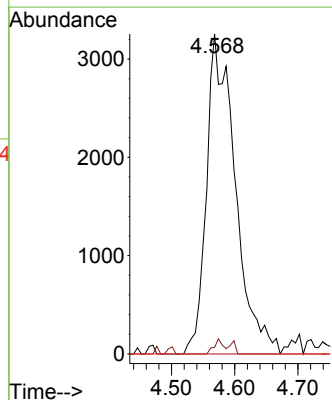
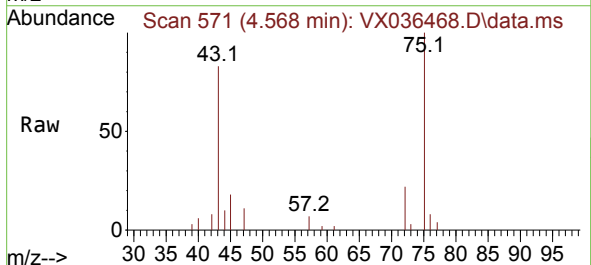
Instrument :
MSVOA_X
ClientSampleId :
7623

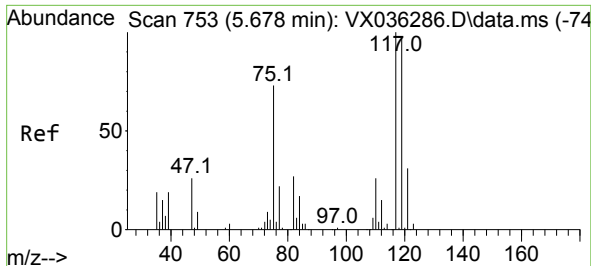
Tgt Ion: 75 Resp: 14023
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 3.433 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.146 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

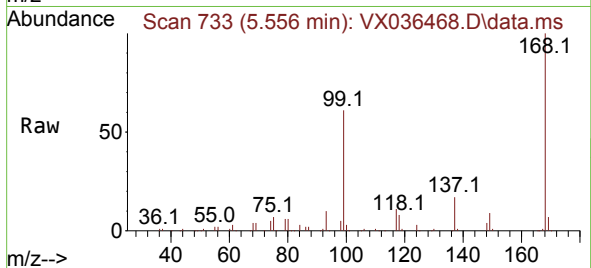
Tgt Ion: 43 Resp: 10234
Ion Ratio Lower Upper
43 100
61 1.5 10.6 16.0#
70 0.0 8.3 12.5#



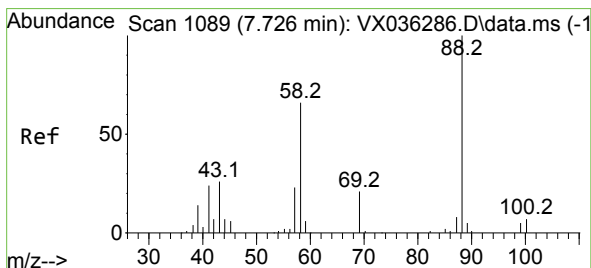
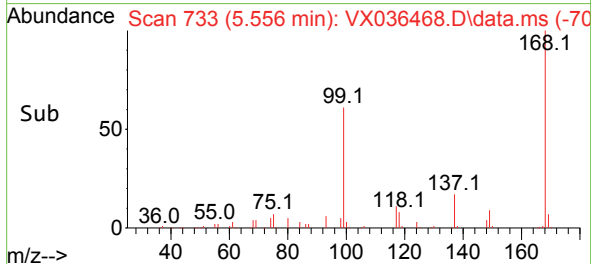
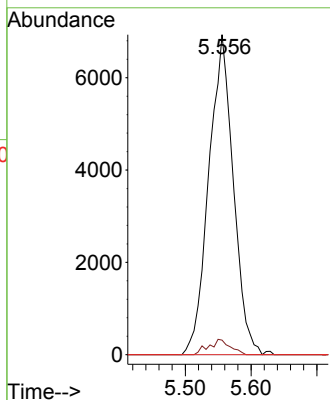


#38
Carbon Tetrachloride
Concen: 6.749 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :
7623

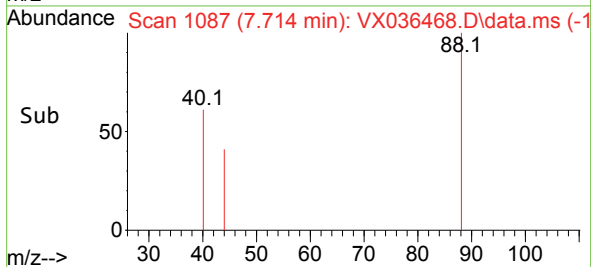
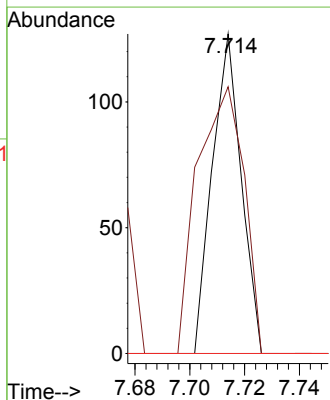
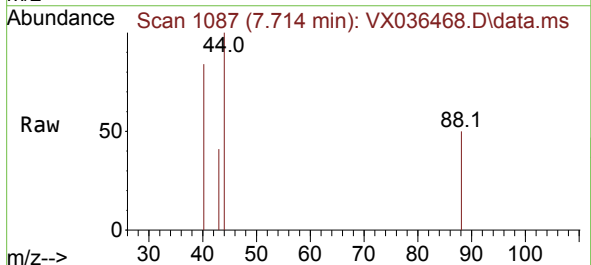


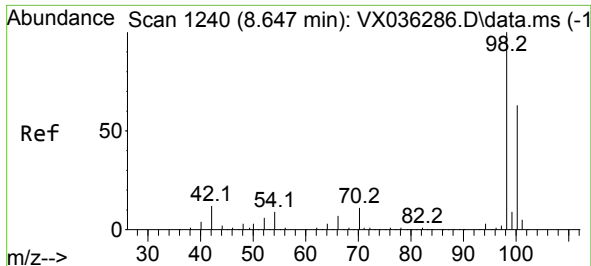
Tgt Ion:117 Resp: 18030
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 1.769 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. -0.018 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 133.3 0.0 0.0#
58 0.0 60.1 90.1#

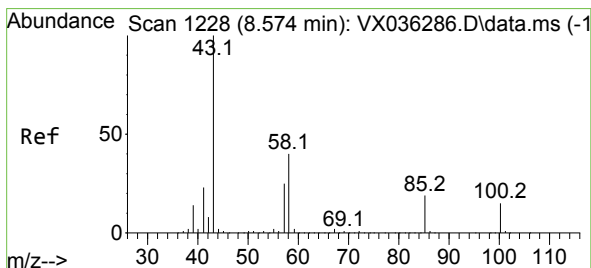
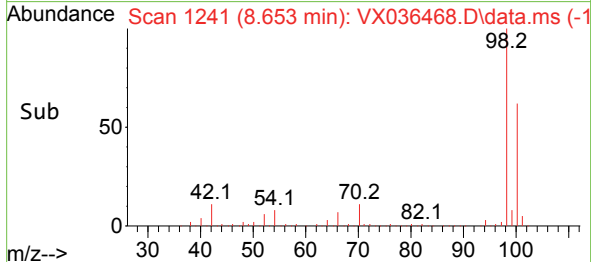
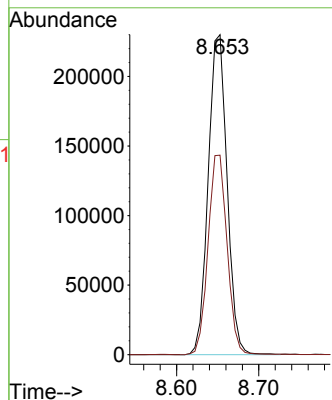
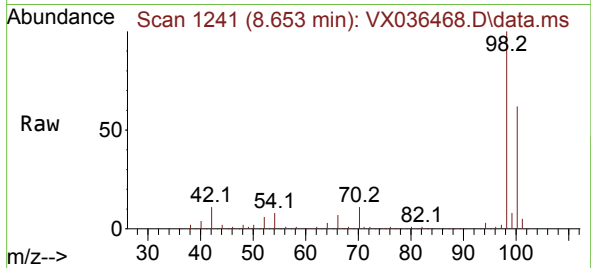




#50
Toluene-d8
Concen: 49.985 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

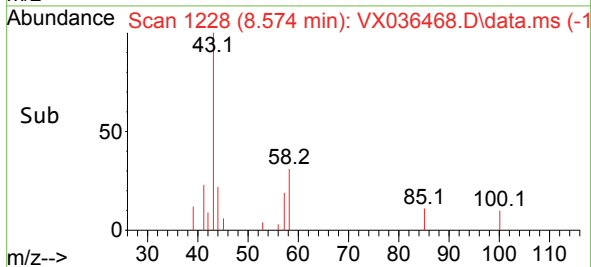
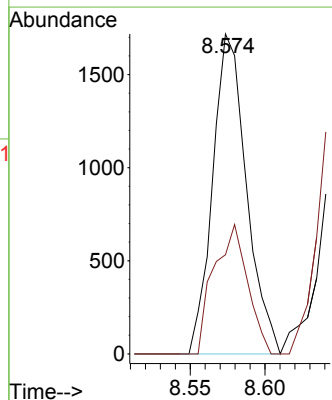
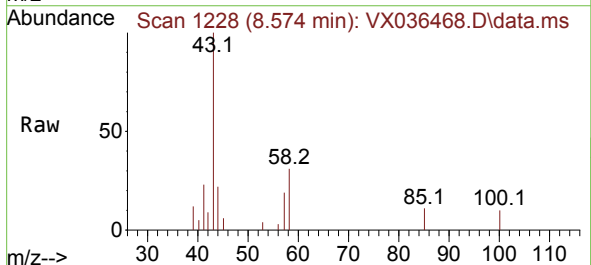
Instrument :
MSVOA_X
ClientSampleId :
7623

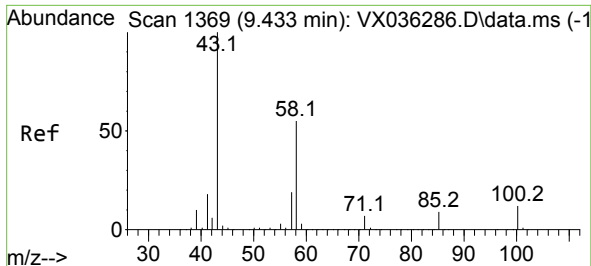
Tgt Ion: 98 Resp: 366366
Ion Ratio Lower Upper
98 100
100 62.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.880 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

Tgt Ion: 43 Resp: 2697
Ion Ratio Lower Upper
43 100
58 40.2 30.4 45.6





#59

2-Hexanone

Concen: 0.462 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

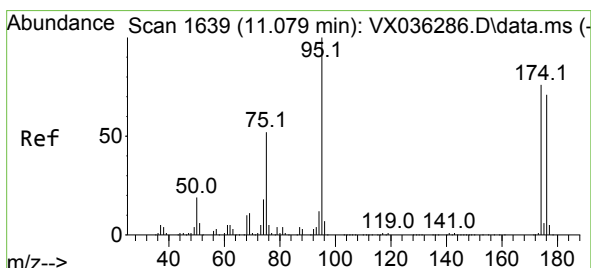
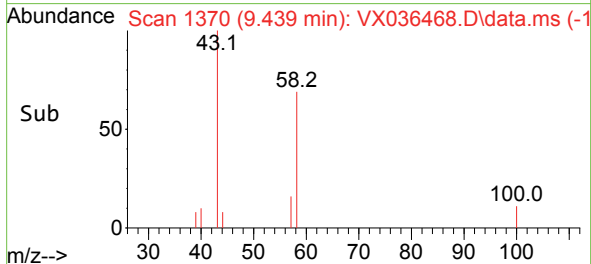
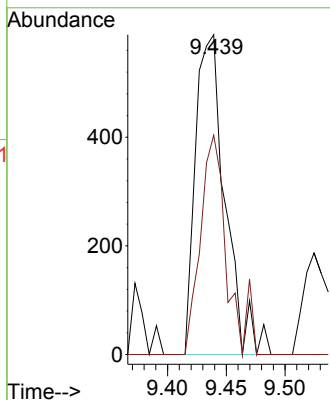
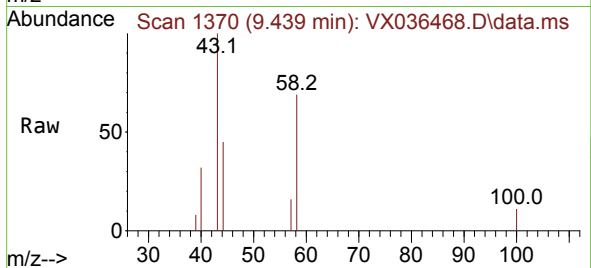
7623

Tgt Ion: 43 Resp: 1034

Ion Ratio Lower Upper

43 100

58 55.9 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 49.273 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

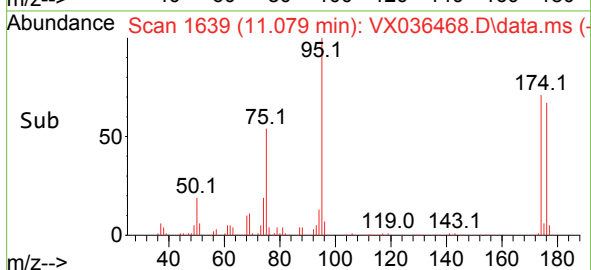
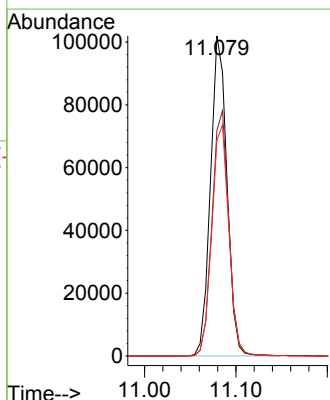
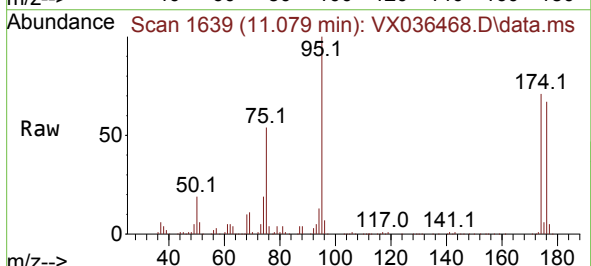
Tgt Ion: 95 Resp: 127209

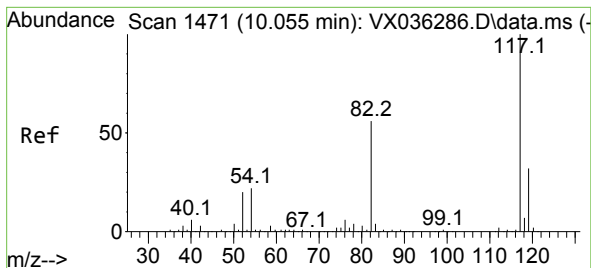
Ion Ratio Lower Upper

95 100

174 78.4 0.0 135.6

176 74.7 0.0 131.0

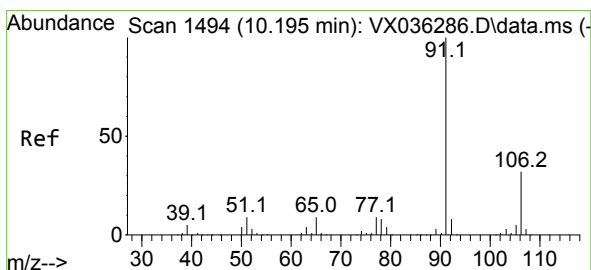
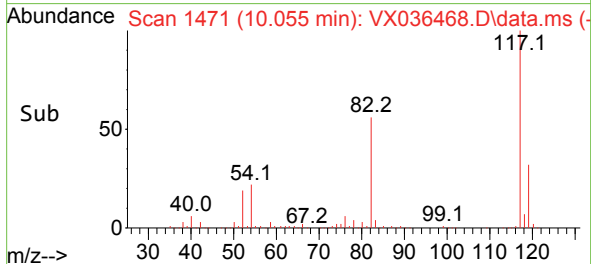
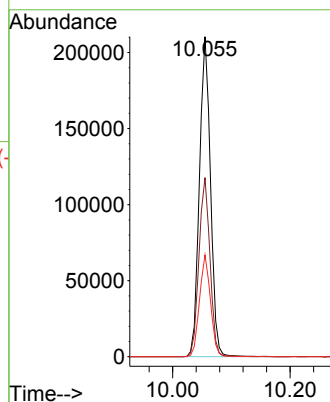
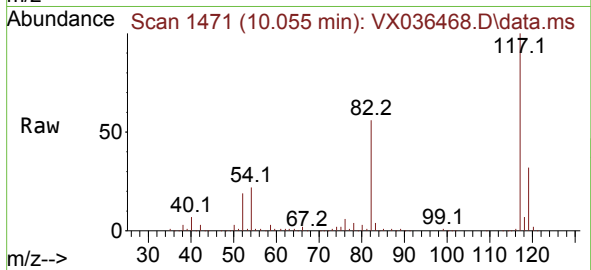




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

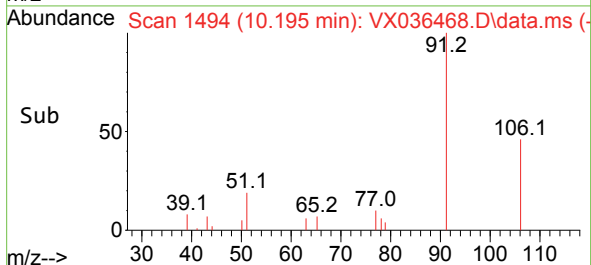
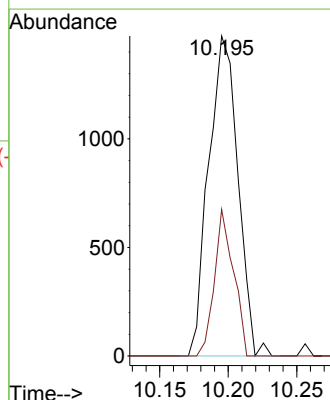
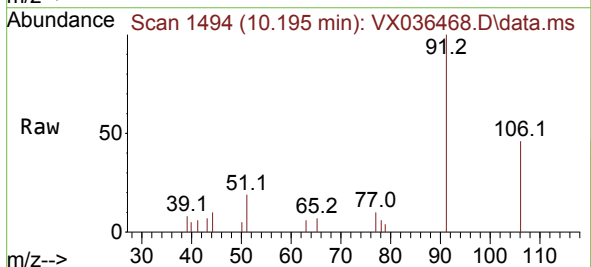
Instrument :
MSVOA_X
ClientSampleId :
7623

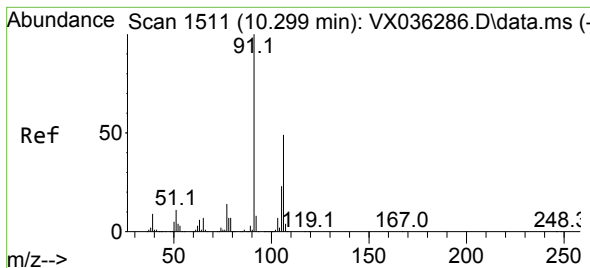
Tgt Ion:117 Resp: 274349
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 31.8 25.5 38.3



#67
Ethyl Benzene
Concen: 0.214 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

Tgt Ion: 91 Resp: 2191
Ion Ratio Lower Upper
91 100
106 45.8 24.9 37.3#





#68

m/p-Xylenes

Concen: 0.265 ug/l

RT: 10.305 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

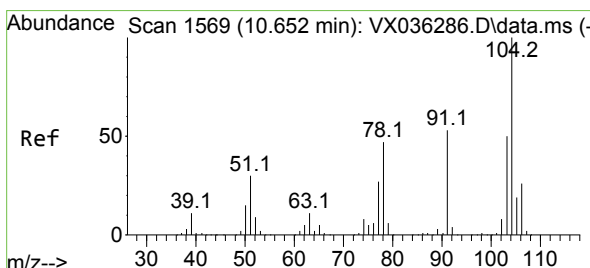
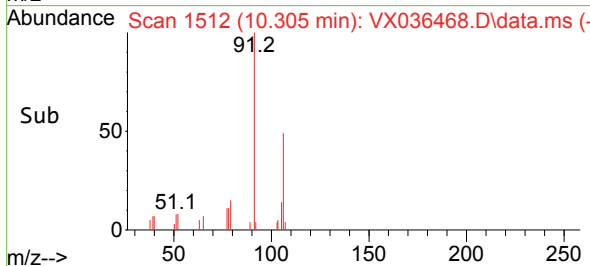
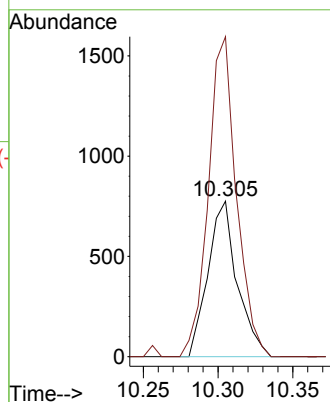
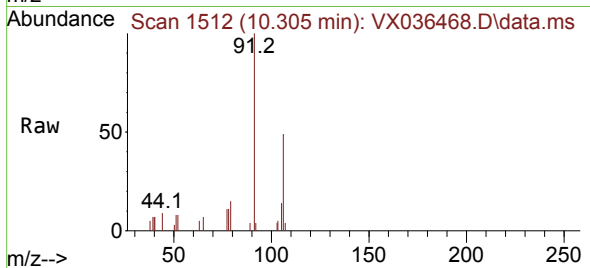
7623

Tgt Ion:106 Resp: 1054

Ion Ratio Lower Upper

106 100

91 197.7 165.5 248.3



#70

Styrene

Concen: 0.382 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.007 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

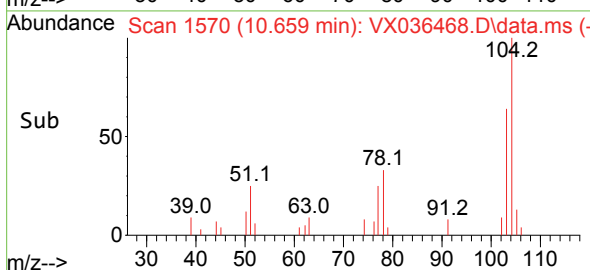
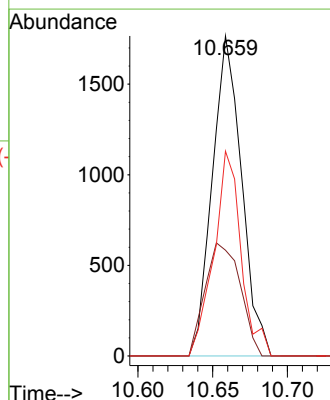
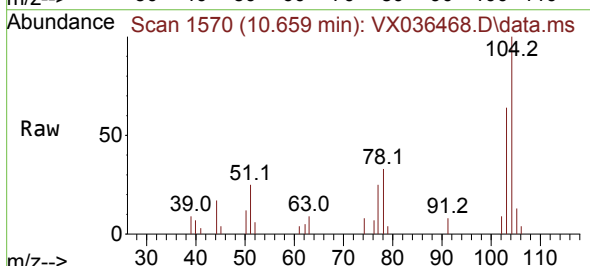
Tgt Ion:104 Resp: 2403

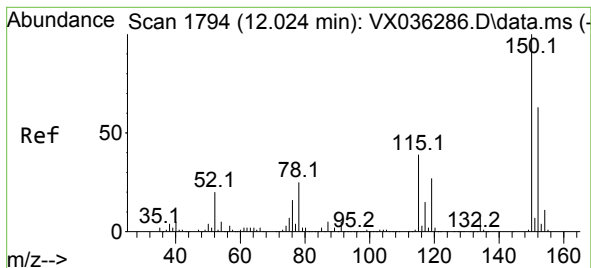
Ion Ratio Lower Upper

104 100

78 42.3 43.6 65.4#

103 59.6 43.6 65.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

7623

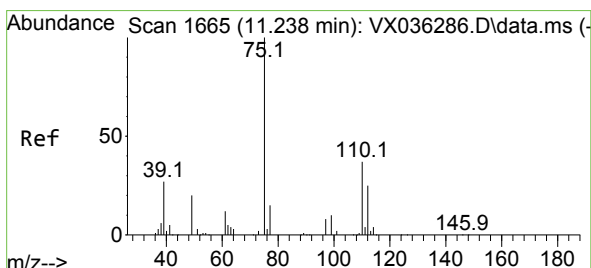
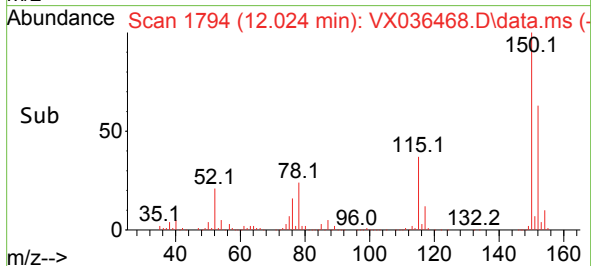
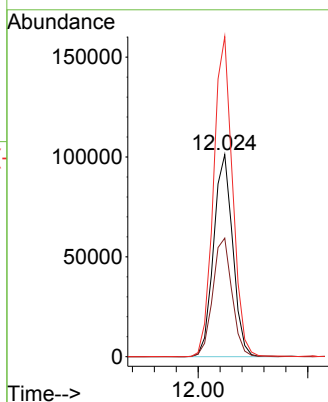
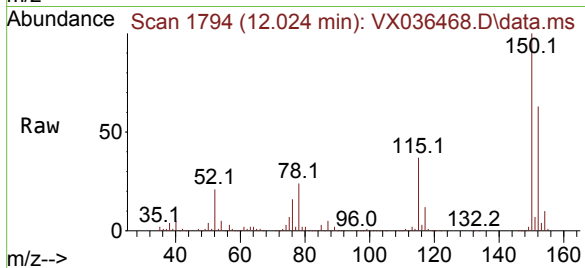
Tgt Ion:152 Resp: 122543

Ion Ratio Lower Upper

152 100

115 59.2 43.3 129.9

150 157.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.664 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036468.D

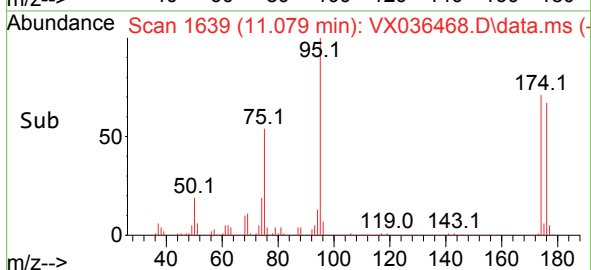
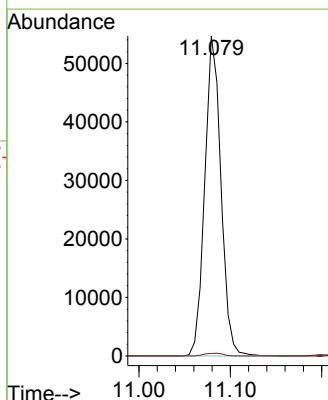
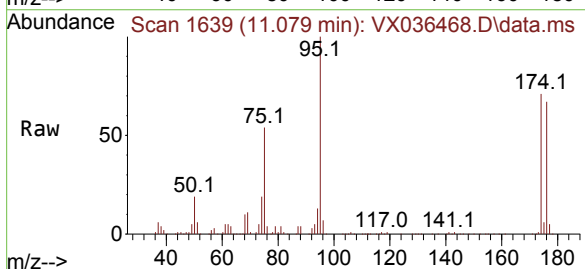
Acq: 07 Jul 2023 18:38

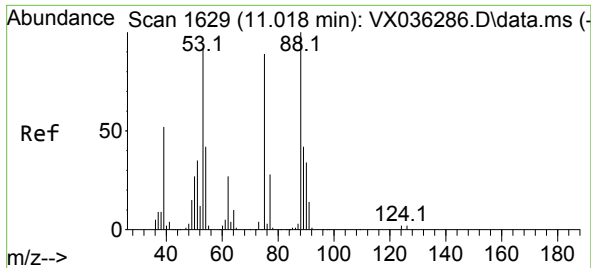
Tgt Ion: 75 Resp: 67082

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

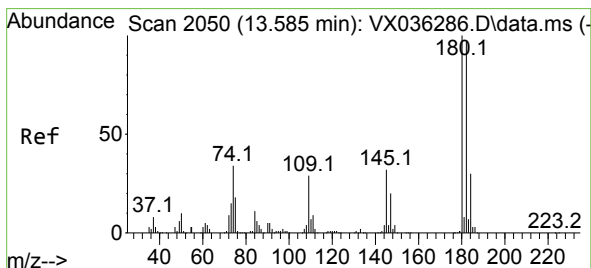
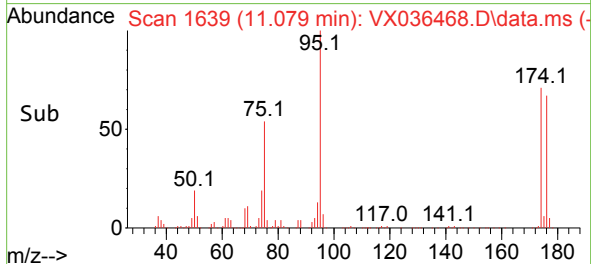
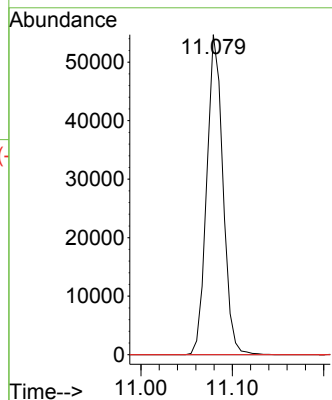
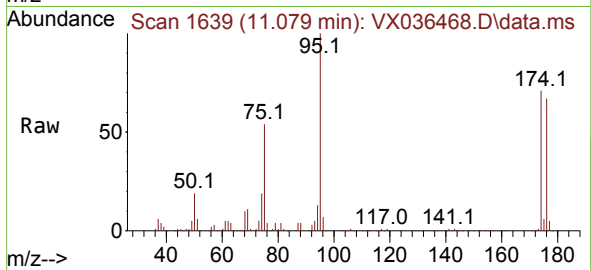




#81
trans-1,4-Dichloro-2-butene
Concen: 83.657 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

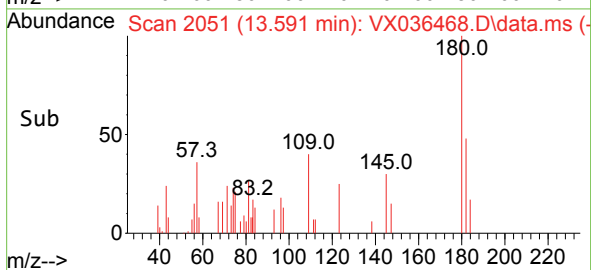
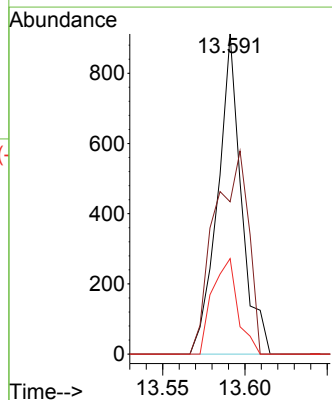
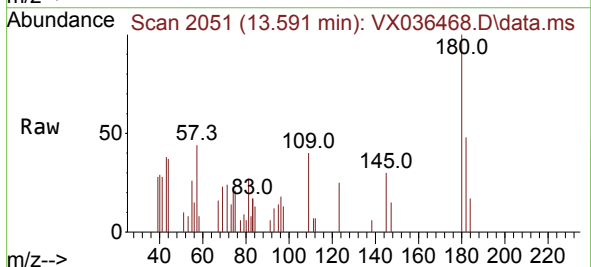
Instrument :
MSVOA_X
ClientSampleId :
7623

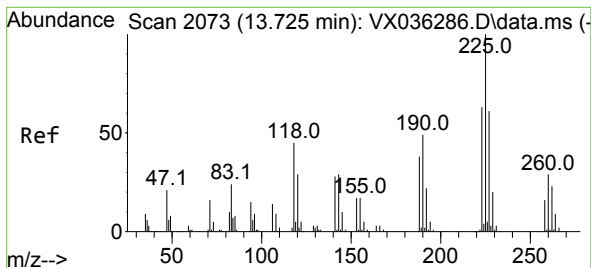
Tgt Ion: 75 Resp: 67082
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.361 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036468.D
Acq: 07 Jul 2023 18:38

Tgt Ion:180 Resp: 913
Ion Ratio Lower Upper
180 100
182 90.5 48.3 144.8
145 32.0 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.520 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

7623

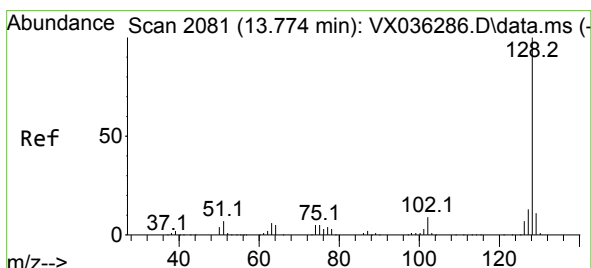
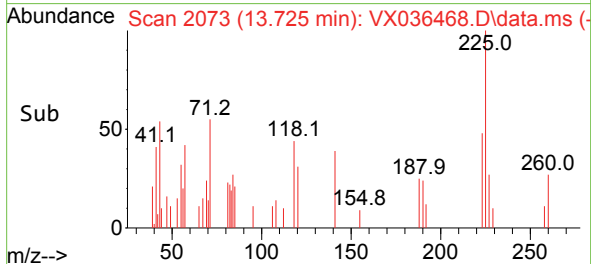
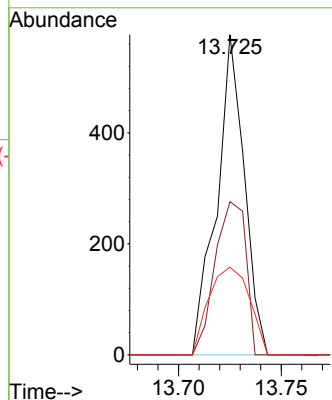
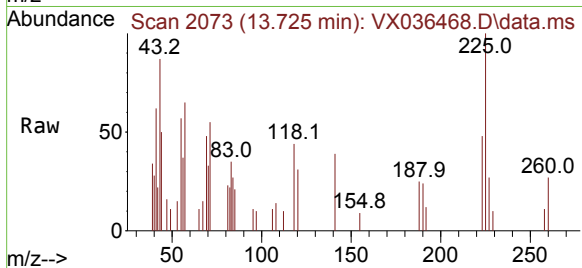
Tgt Ion:225 Resp: 539

Ion Ratio Lower Upper

225 100

223 53.4 31.1 93.2

227 40.4 32.5 97.5



#95

Naphthalene

Concen: 0.280 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX036468.D

Acq: 07 Jul 2023 18:38

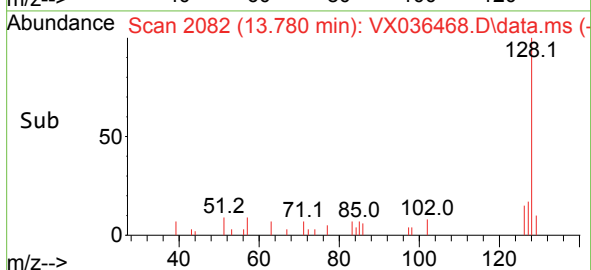
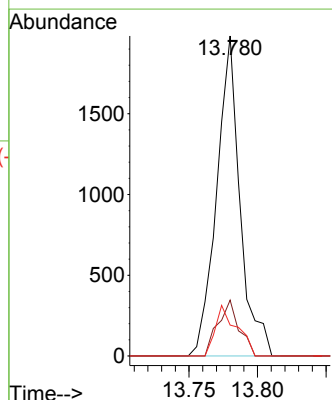
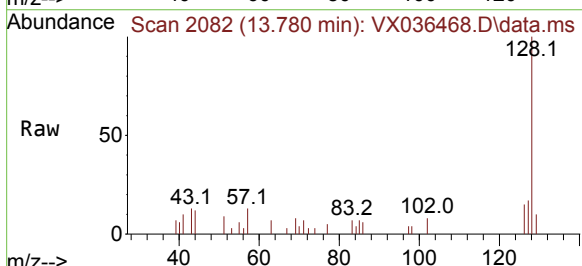
Tgt Ion:128 Resp: 2343

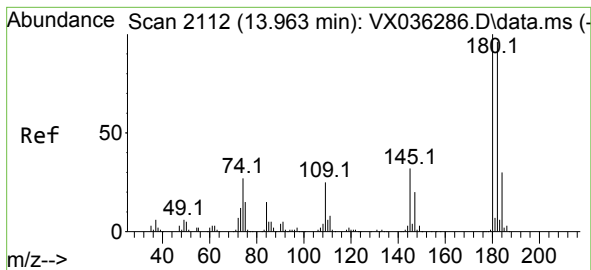
Ion Ratio Lower Upper

128 100

127 15.8 10.3 15.5#

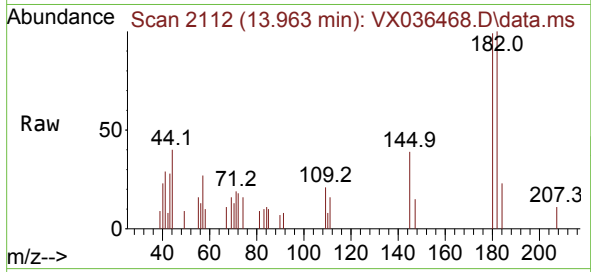
129 14.6 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.388 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX036468.D
 Acq: 07 Jul 2023 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 7623



Tgt Ion:	180	Resp:	958
Ion Ratio	Lower	Upper	
180	100		
182	98.0	46.9	140.6
145	36.1	17.8	53.5

