

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034438.D
 Acq On : 13 Mar 2023 17:22
 Operator : JC/MD
 Sample : 01879-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 14 02:27:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	267665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	452676	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	396416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169593	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	173980	44.679	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.360%
35) Dibromofluoromethane	5.385	113	143398	47.979	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.960%
50) Toluene-d8	8.647	98	545289	48.873	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.740%
62) 4-Bromofluorobenzene	11.079	95	200491	44.487	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.980%

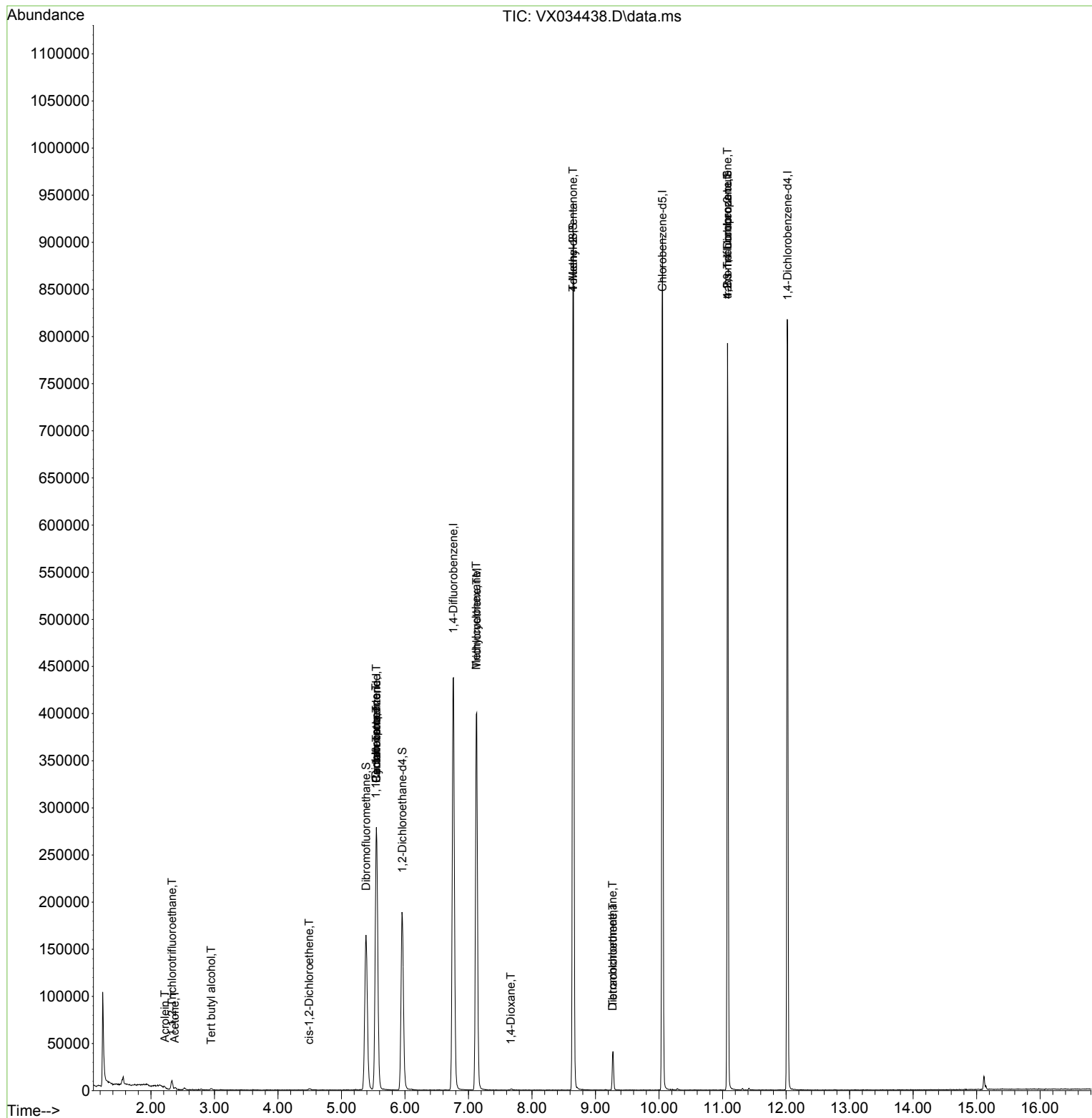
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.288	50	372	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	3368	1.132	ug/l	97
11) Tert butyl alcohol	2.947	59	1700	2.096	ug/l #	73
13) Acrolein	2.221	56	188	0.293	ug/l	92
16) Acetone	2.373	43	1942	1.059	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	869	0.232	ug/l	92
31) Cyclohexane	5.550	56	6082	1.114	ug/l #	14
36) 1,1-Dichloropropene	5.544	75	20886	4.550	ug/l #	50
38) Carbon Tetrachloride	5.550	117	27519	6.026	ug/l #	16
39) Methylcyclohexane	7.123	83	2101	0.382	ug/l #	1
44) Trichloroethene	7.129	130	156211	44.769	ug/l	99
49) 1,4-Dioxane	7.665	88	1190	13.866	ug/l	91
51) 4-Methyl-2-Pentanone	8.647	43	2761	0.560	ug/l #	1
60) Dibromochloromethane	9.269	129	7262	2.098	ug/l #	10
64) Tetrachloroethene	9.275	164	7650	2.873	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	103225	26.508	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	103225	71.713	ug/l #	8

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

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QLast Update : Mon Mar 13 10:29:32 2023
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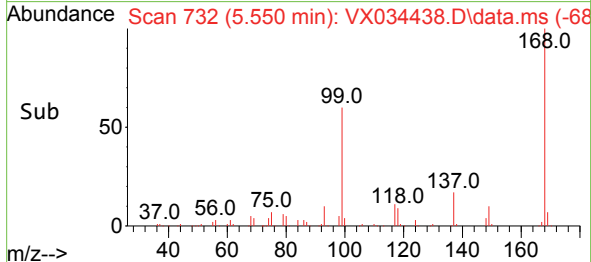
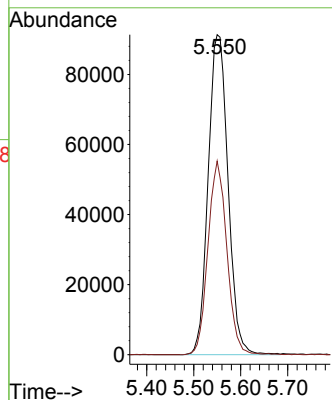
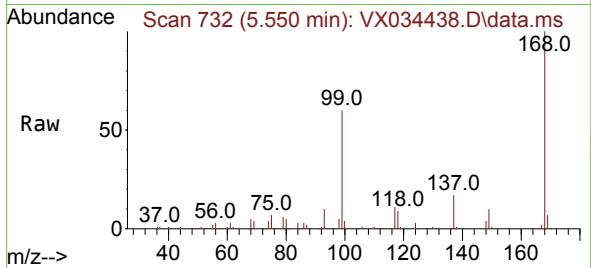




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

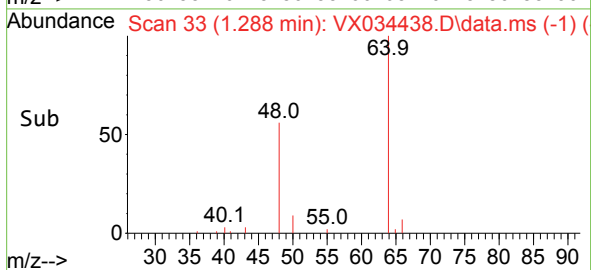
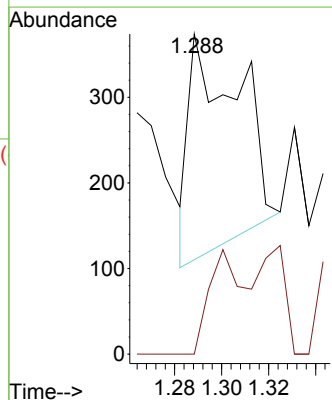
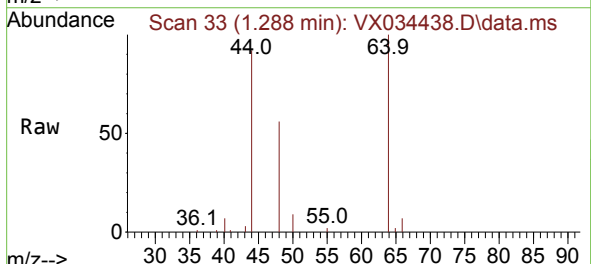
Instrument :
MSVOA_X
ClientSampleId :

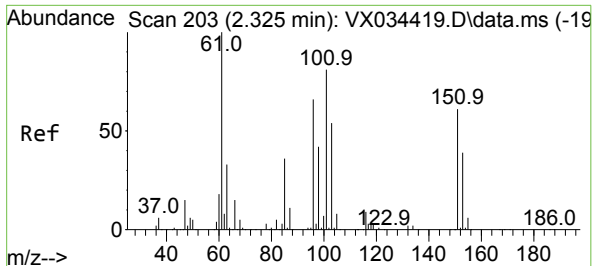
Tgt Ion:168 Resp: 267665
Ion Ratio Lower Upper
168 100
99 60.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.013 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

Tgt Ion: 50 Resp: 372
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

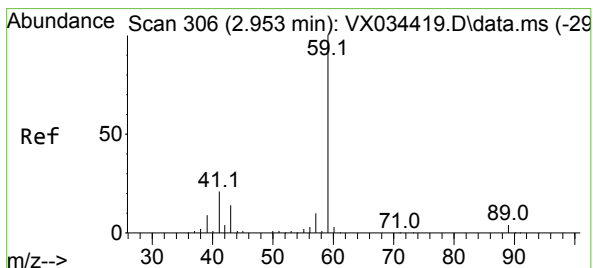
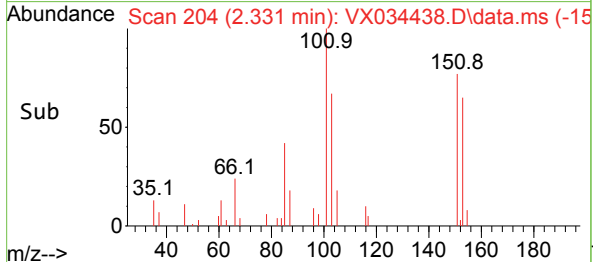
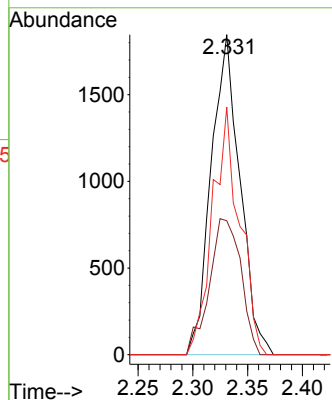
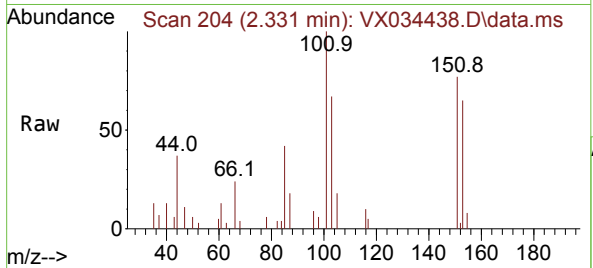




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.132 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

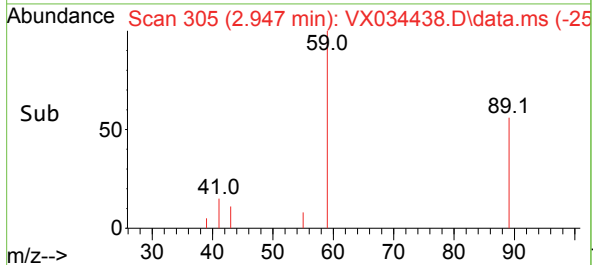
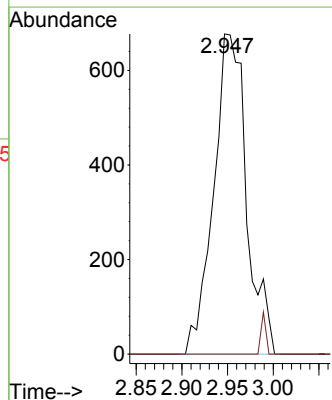
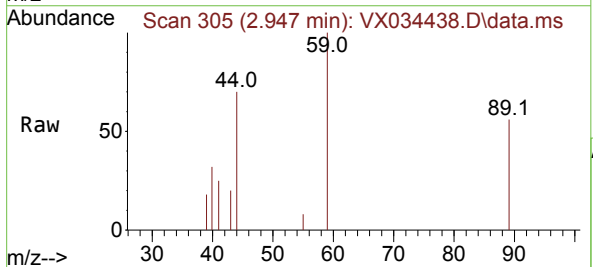
Instrument :
MSVOA_X
ClientSampleId :

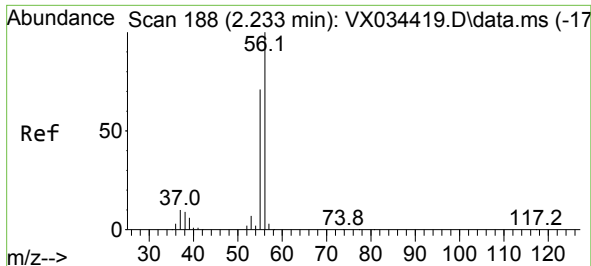
Tgt Ion:101 Resp: 3368
Ion Ratio Lower Upper
101 100
85 46.5 35.4 53.2
151 73.0 60.2 90.4



#11
Tert butyl alcohol
Concen: 2.096 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

Tgt Ion: 59 Resp: 1700
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

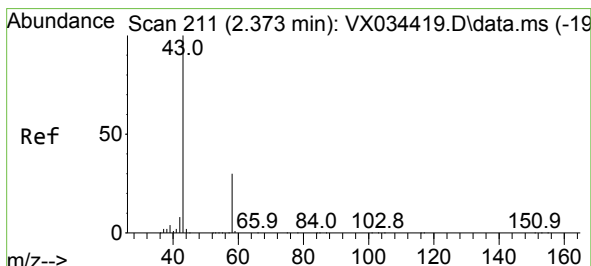
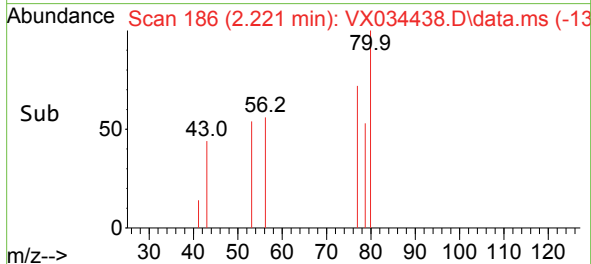
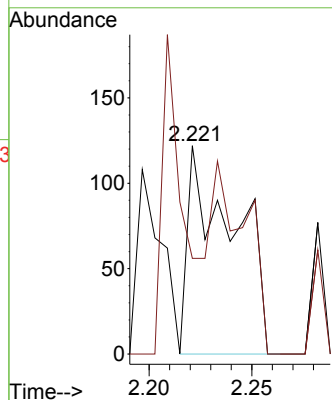
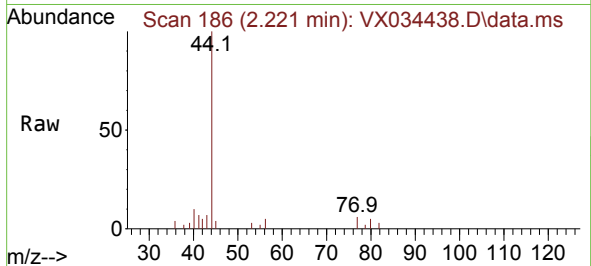




#13
Acrolein
Concen: 0.293 ug/l
RT: 2.221 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

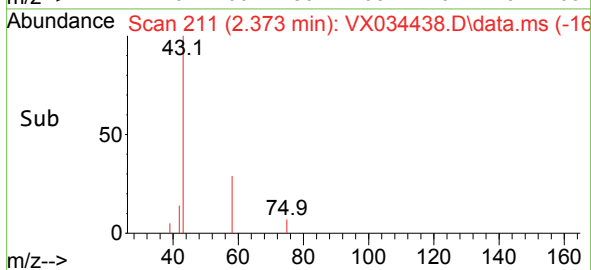
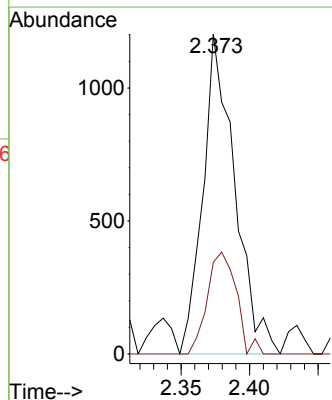
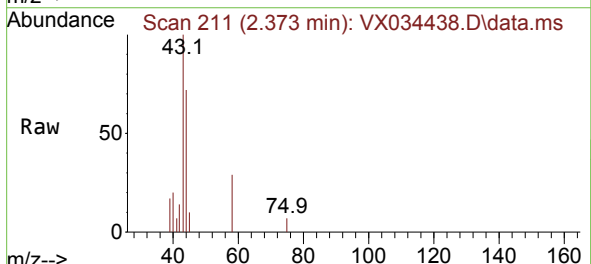
Instrument :
MSVOA_X
ClientSampleId :

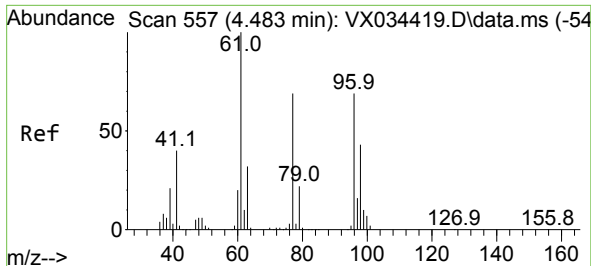
Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 64.4 56.6 85.0



#16
Acetone
Concen: 1.059 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

Tgt Ion: 43 Resp: 1942
Ion Ratio Lower Upper
43 100
58 28.7 24.7 37.1





#27

cis-1,2-Dichloroethene

Concen: 0.232 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX034438.D

Acq: 13 Mar 2023 17:22

Instrument :

MSVOA_X

ClientSampleId :

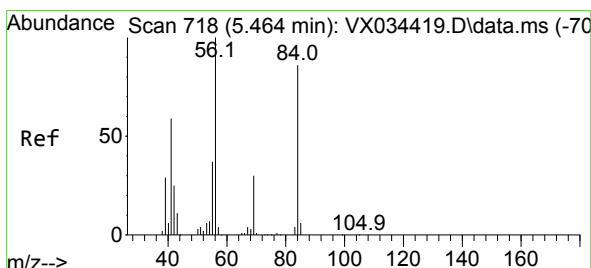
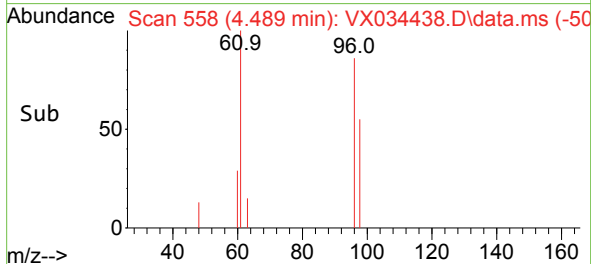
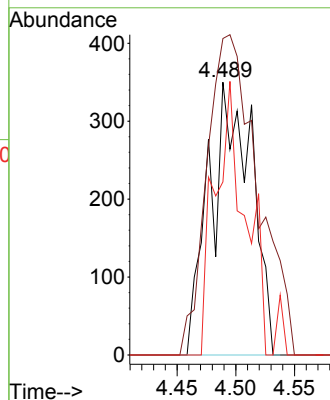
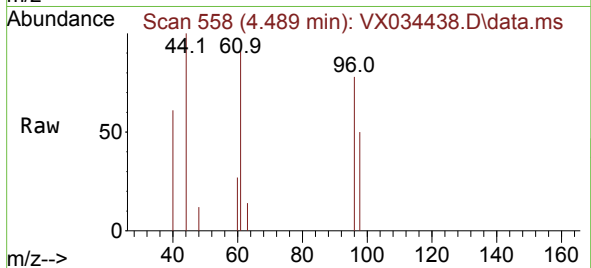
Tgt Ion: 96 Resp: 869

Ion Ratio Lower Upper

96 100

61 141.9 0.0 300.4

98 72.4 0.0 129.0



#31

Cyclohexane

Concen: 1.114 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034438.D

Acq: 13 Mar 2023 17:22

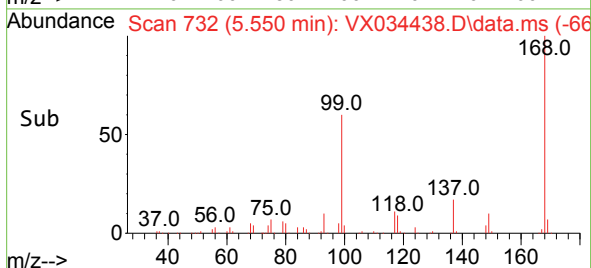
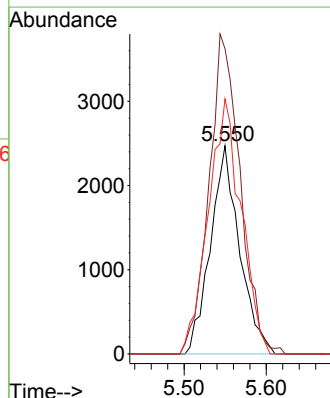
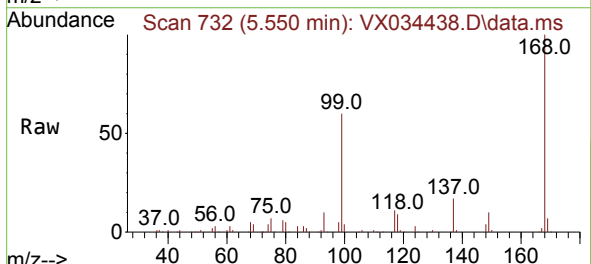
Tgt Ion: 56 Resp: 6082

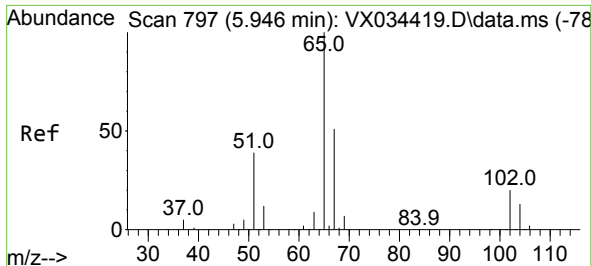
Ion Ratio Lower Upper

56 100

69 146.6 23.7 35.5#

84 122.5 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 44.679 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034438.D

Acq: 13 Mar 2023 17:22

Instrument :

MSVOA_X

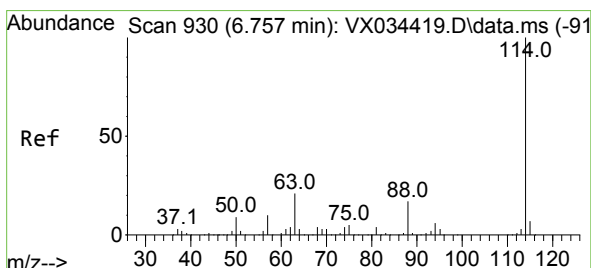
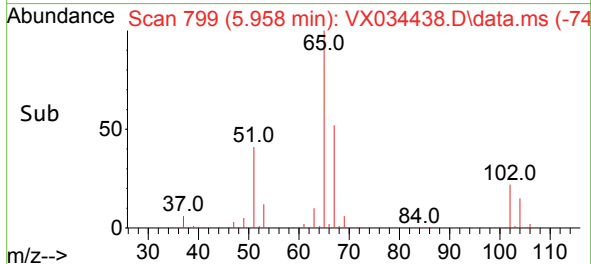
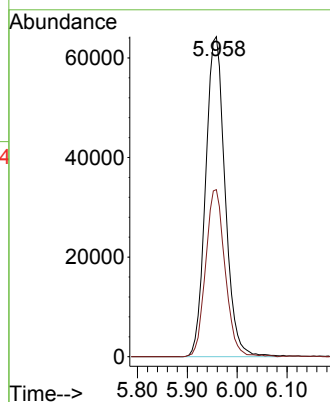
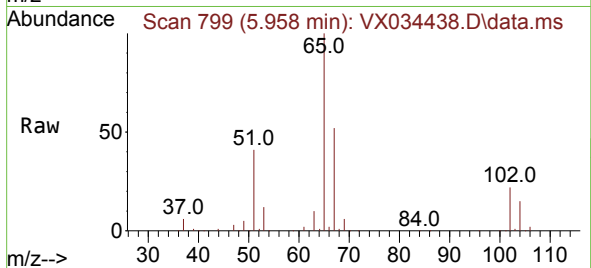
ClientSampleId :

Tgt Ion: 65 Resp: 173980

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034438.D

Acq: 13 Mar 2023 17:22

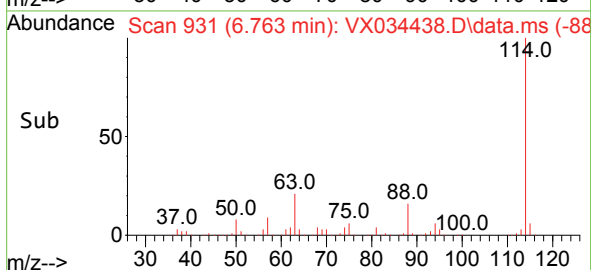
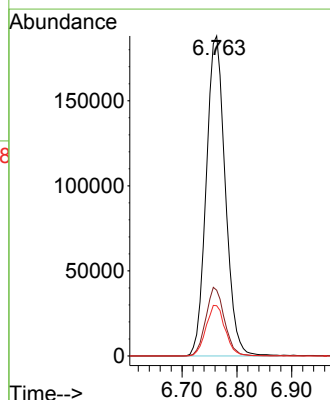
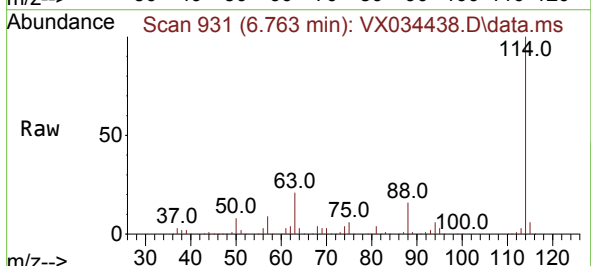
Tgt Ion: 114 Resp: 452676

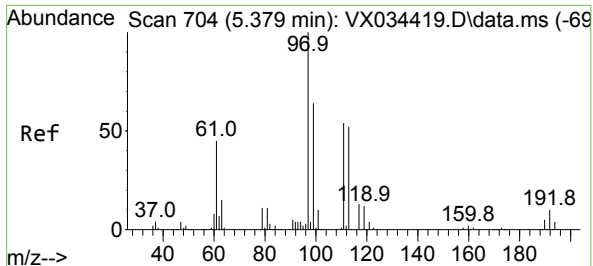
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.2

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.979 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

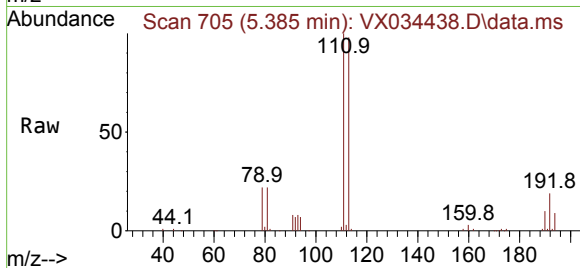
Lab File: VX034438.D

Acq: 13 Mar 2023 17:22

Instrument :

MSVOA_X

ClientSampleId :



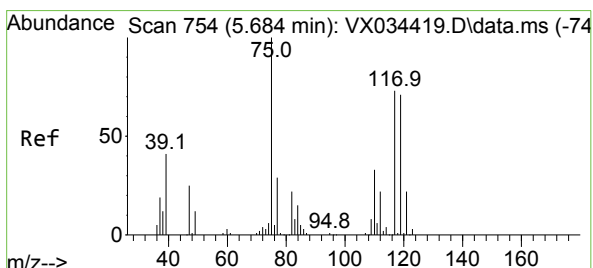
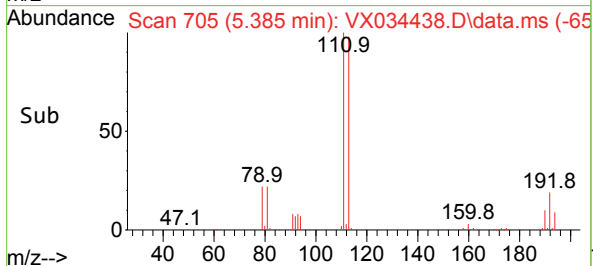
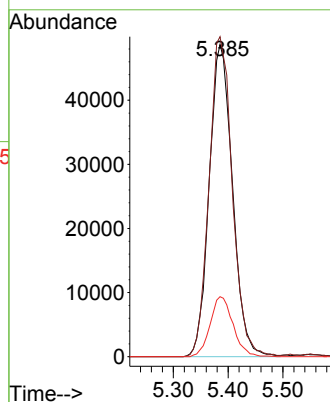
Tgt Ion:113 Resp: 143398

Ion Ratio Lower Upper

113 100

111 102.5 83.7 125.5

192 18.9 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.550 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX034438.D

Acq: 13 Mar 2023 17:22

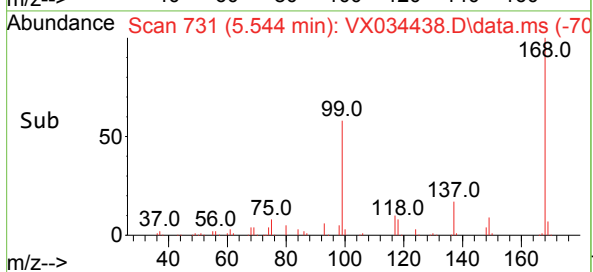
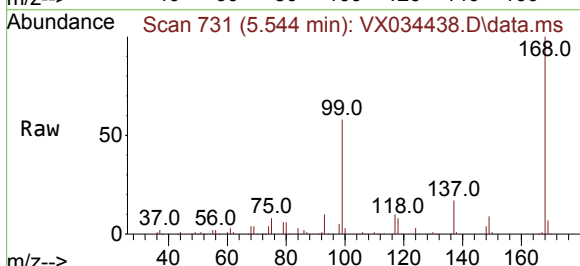
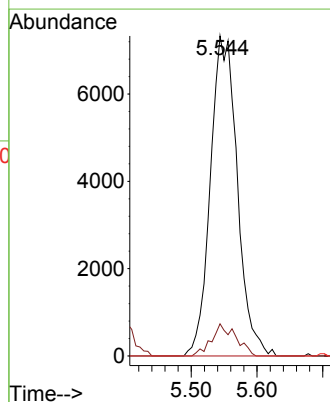
Tgt Ion: 75 Resp: 20886

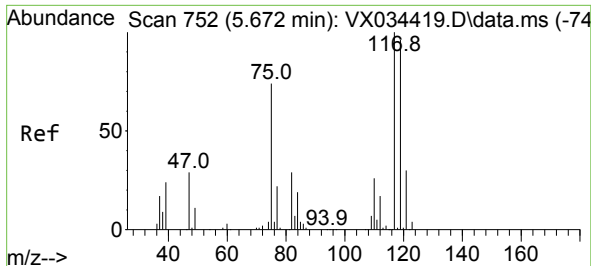
Ion Ratio Lower Upper

75 100

110 9.1 17.5 52.5#

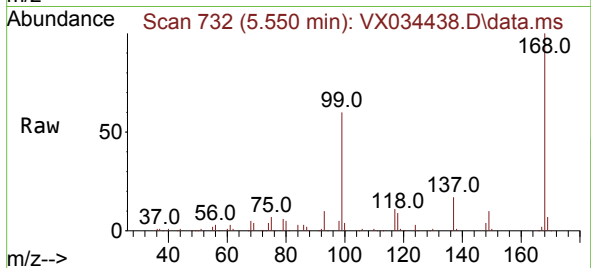
77 0.0 24.3 36.5#



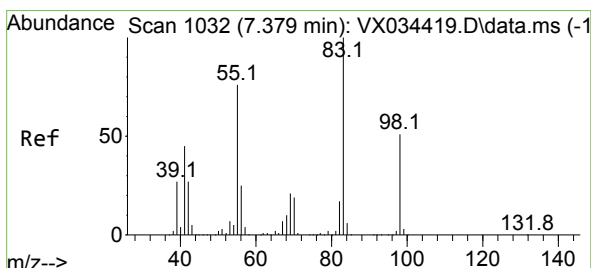
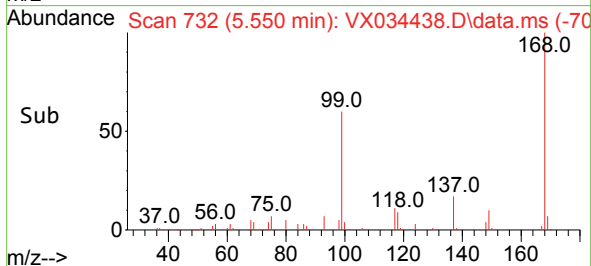
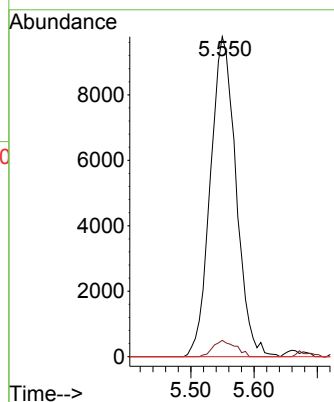


#38
Carbon Tetrachloride
Concen: 6.026 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

Instrument :
MSVOA_X
ClientSampleId :

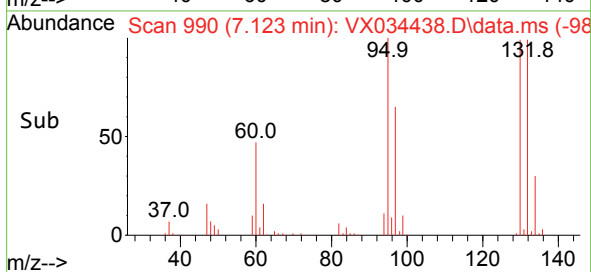
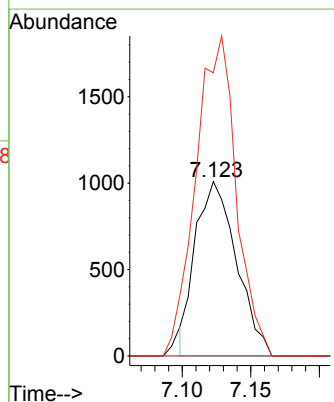
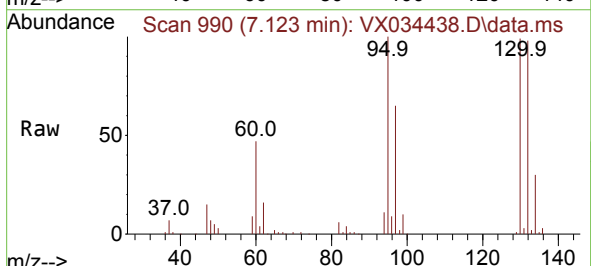


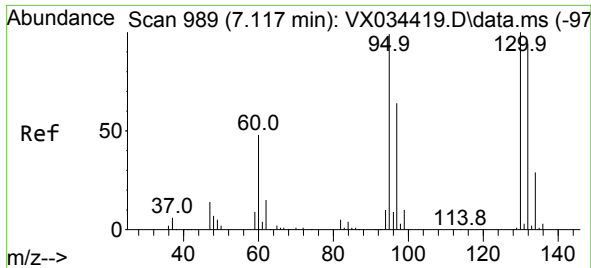
Tgt Ion:117 Resp: 27519
Ion Ratio Lower Upper
117 100
119 5.1 76.6 114.8#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.382 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

Tgt Ion: 83 Resp: 2101
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 162.4 40.4 60.6#

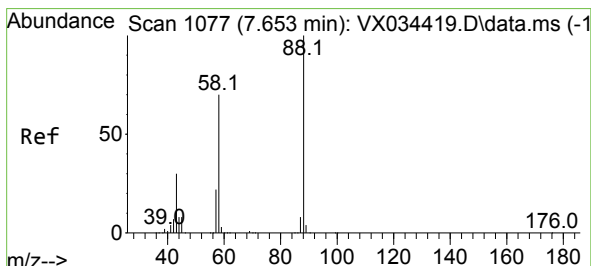
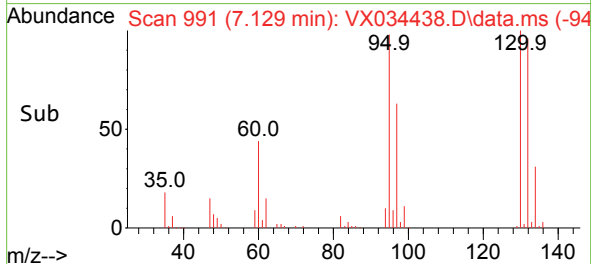
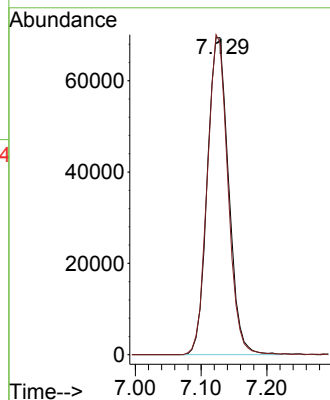
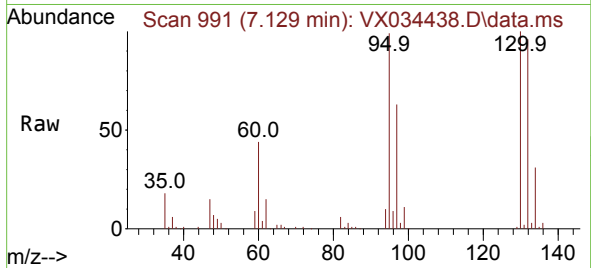




#44
Trichloroethene
Concen: 44.769 ug/l
RT: 7.129 min Scan# 94
Delta R.T. 0.012 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

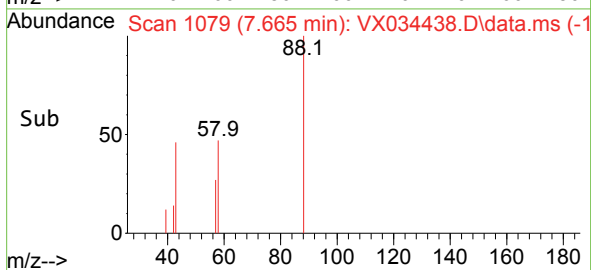
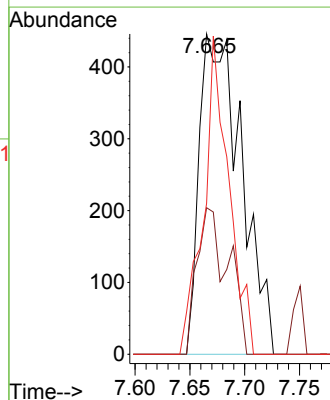
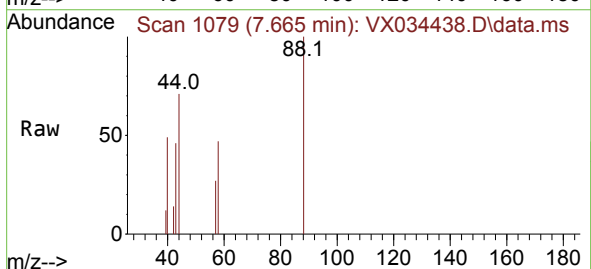
Instrument :
MSVOA_X
ClientSampleId :

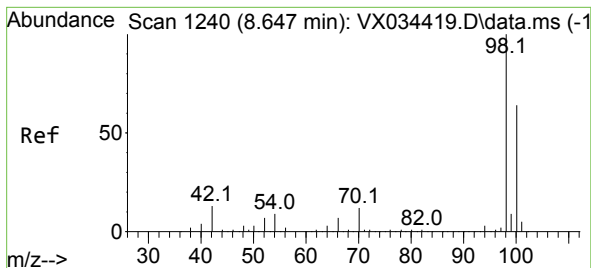
Tgt Ion:130 Resp: 156211
Ion Ratio Lower Upper
130 100
95 98.5 0.0 198.4



#49
1,4-Dioxane
Concen: 13.866 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.012 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

Tgt Ion: 88 Resp: 1190
Ion Ratio Lower Upper
88 100
43 34.0 27.7 41.5
58 59.7 56.8 85.2





#50

Toluene-d8

Concen: 48.873 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034438.D

Acq: 13 Mar 2023 17:22

Instrument :

MSVOA_X

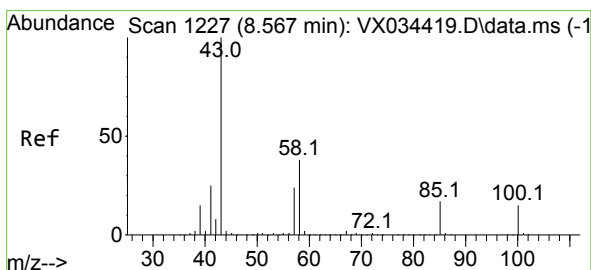
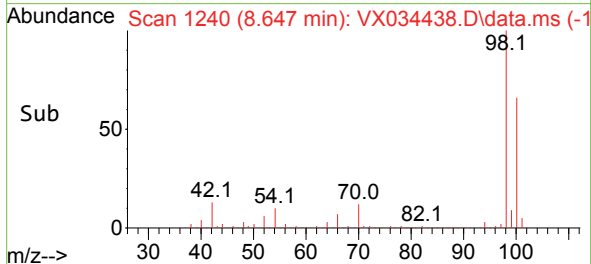
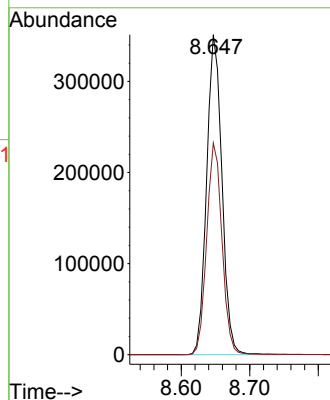
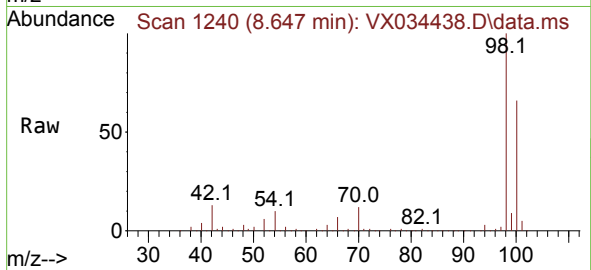
ClientSampleId :

Tgt Ion: 98 Resp: 545289

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.560 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.079 min

Lab File: VX034438.D

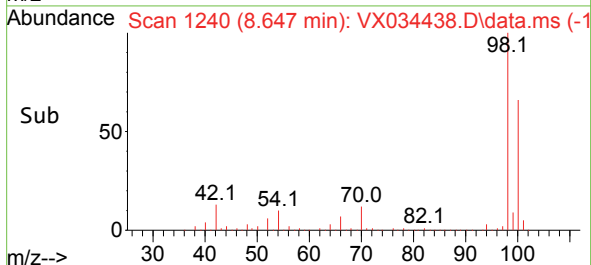
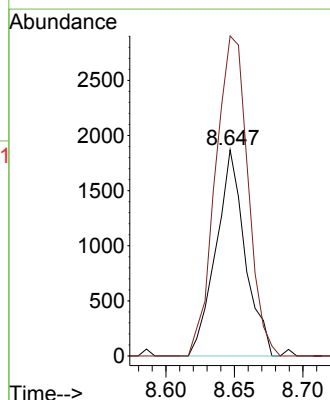
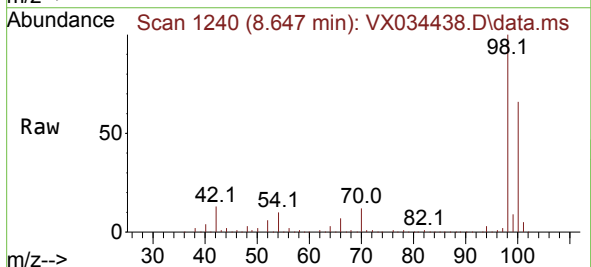
Acq: 13 Mar 2023 17:22

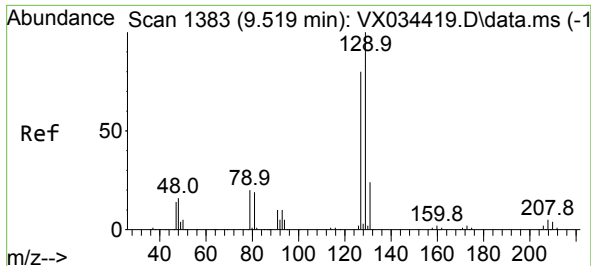
Tgt Ion: 43 Resp: 2761

Ion Ratio Lower Upper

43 100

58 173.9 30.6 46.0#

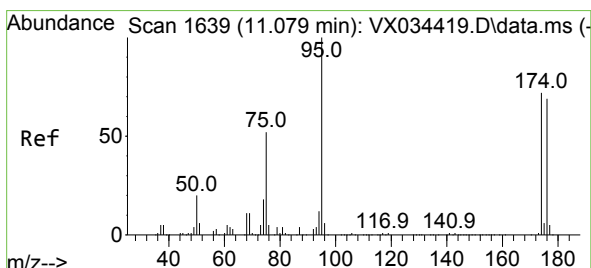
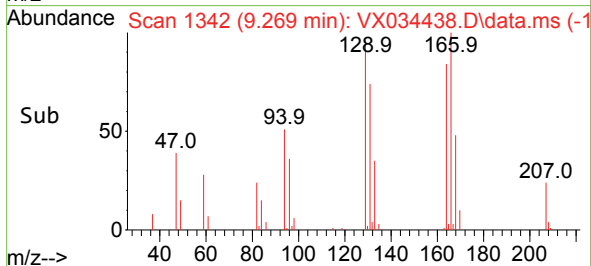
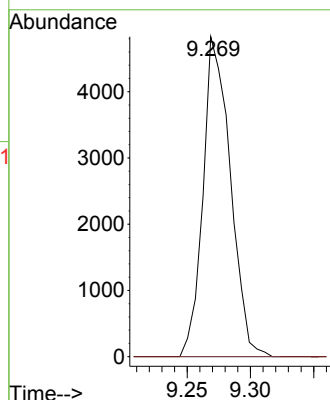
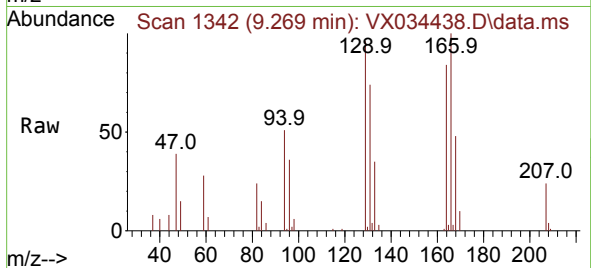




#60
Dibromochloromethane
Concen: 2.098 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

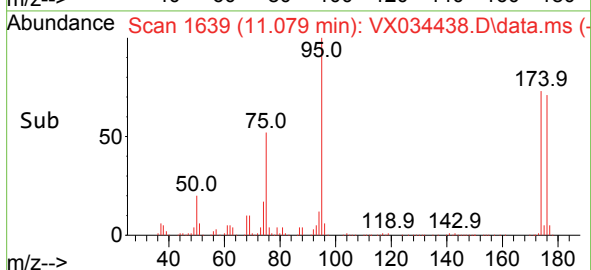
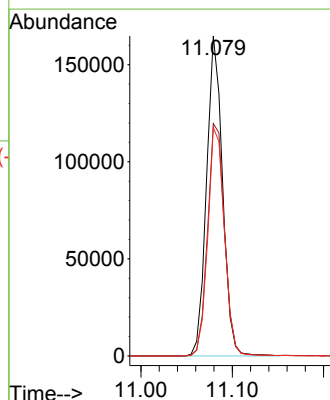
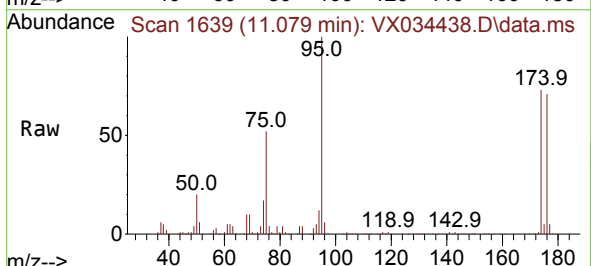
Instrument :
MSVOA_X
ClientSampleId :

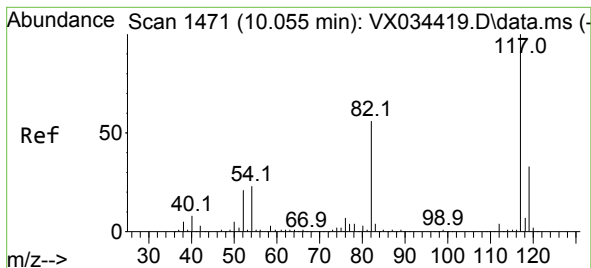
Tgt Ion:129 Resp: 7262
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 44.487 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

Tgt Ion: 95 Resp: 200491
Ion Ratio Lower Upper
95 100
174 76.9 0.0 147.4
176 74.3 0.0 140.6

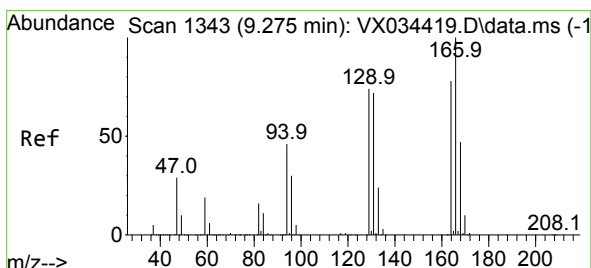
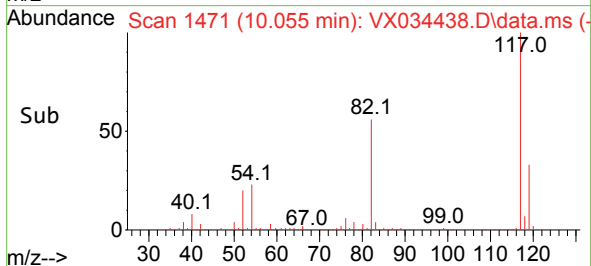
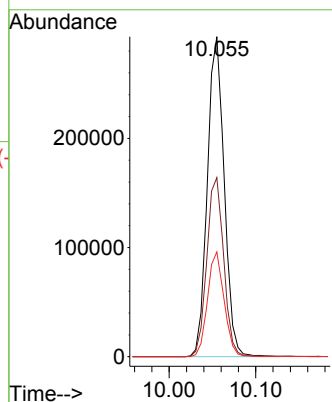
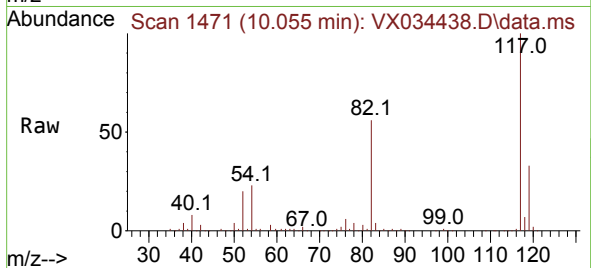




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

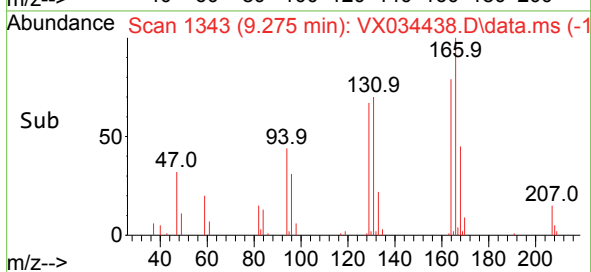
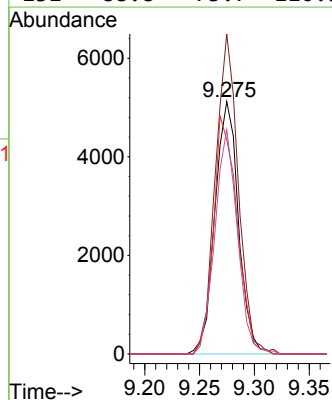
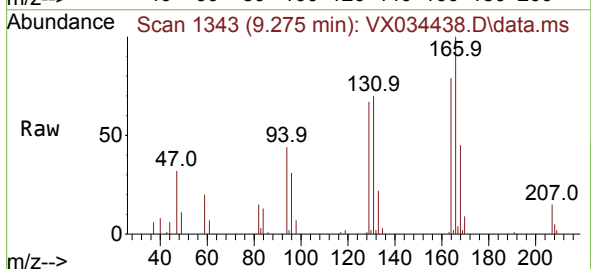
Instrument :
MSVOA_X
ClientSampleId :

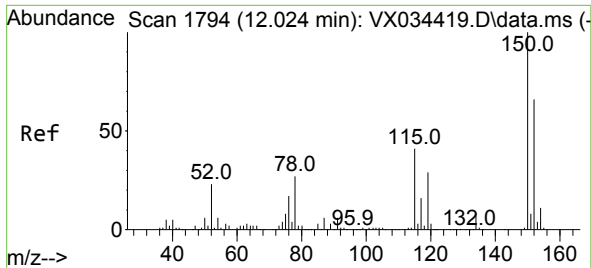
Tgt Ion:117 Resp: 396416
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.4
119 32.7 26.0 39.0



#64
Tetrachloroethene
Concen: 2.873 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034438.D
Acq: 13 Mar 2023 17:22

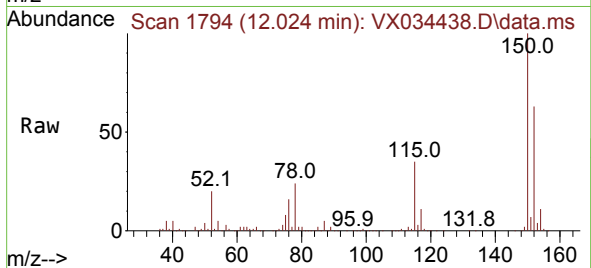
Tgt Ion:164 Resp: 7650
Ion Ratio Lower Upper
164 100
166 126.7 102.7 154.1
129 84.9 75.6 113.4
131 88.8 73.7 110.5



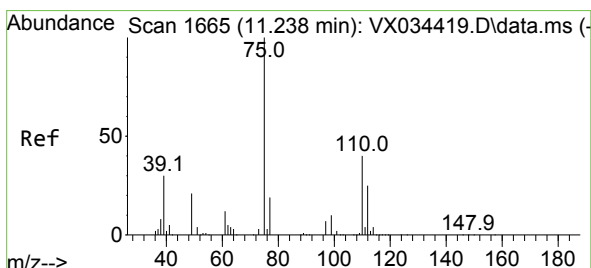
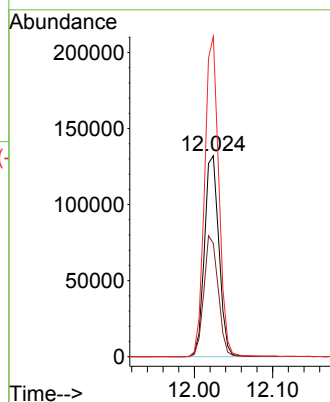
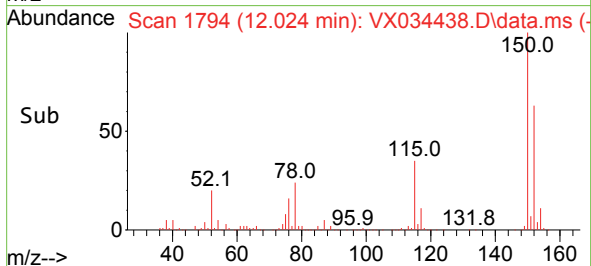


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034438.D
 Acq: 13 Mar 2023 17:22

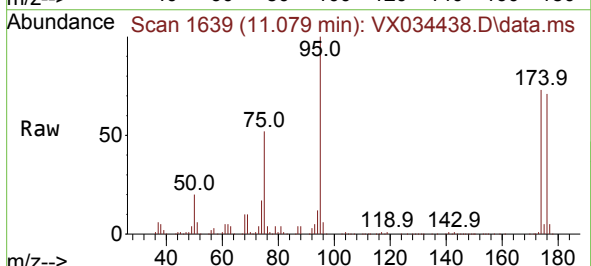
Instrument :
 MSVOA_X
 ClientSampleId :



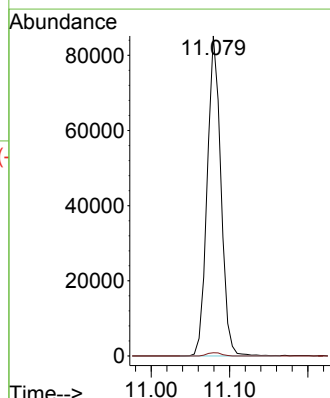
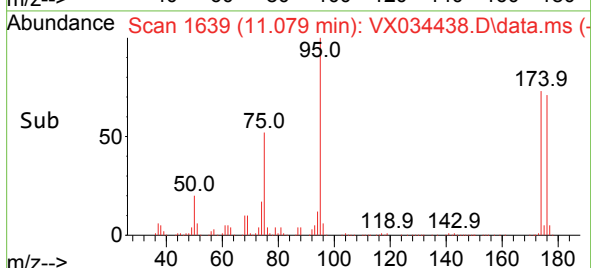
Tgt Ion:152 Resp: 169593
 Ion Ratio Lower Upper
 152 100
 115 59.5 45.0 135.0
 150 155.9 0.0 352.4

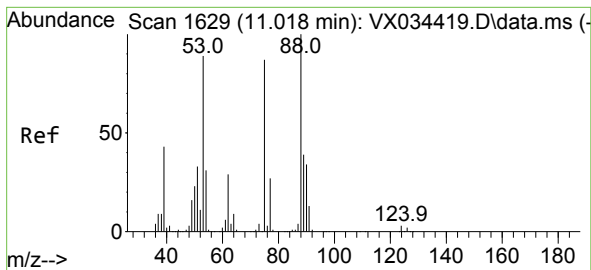


#76
 1,2,3-Trichloropropane
 Concen: 26.508 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX034438.D
 Acq: 13 Mar 2023 17:22



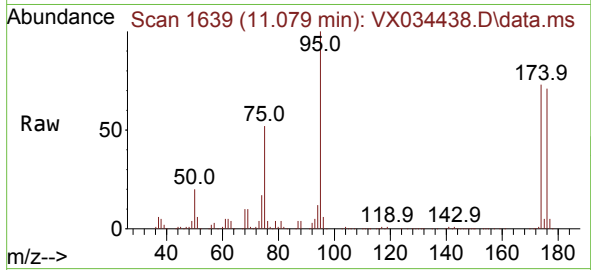
Tgt Ion: 75 Resp: 103225
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.713 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034438.D
 Acq: 13 Mar 2023 17:22

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 103225
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

