

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034432.D
 Acq On : 13 Mar 2023 15:01
 Operator : JC/MD
 Sample : 01879-09 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 14 02:25:35 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)

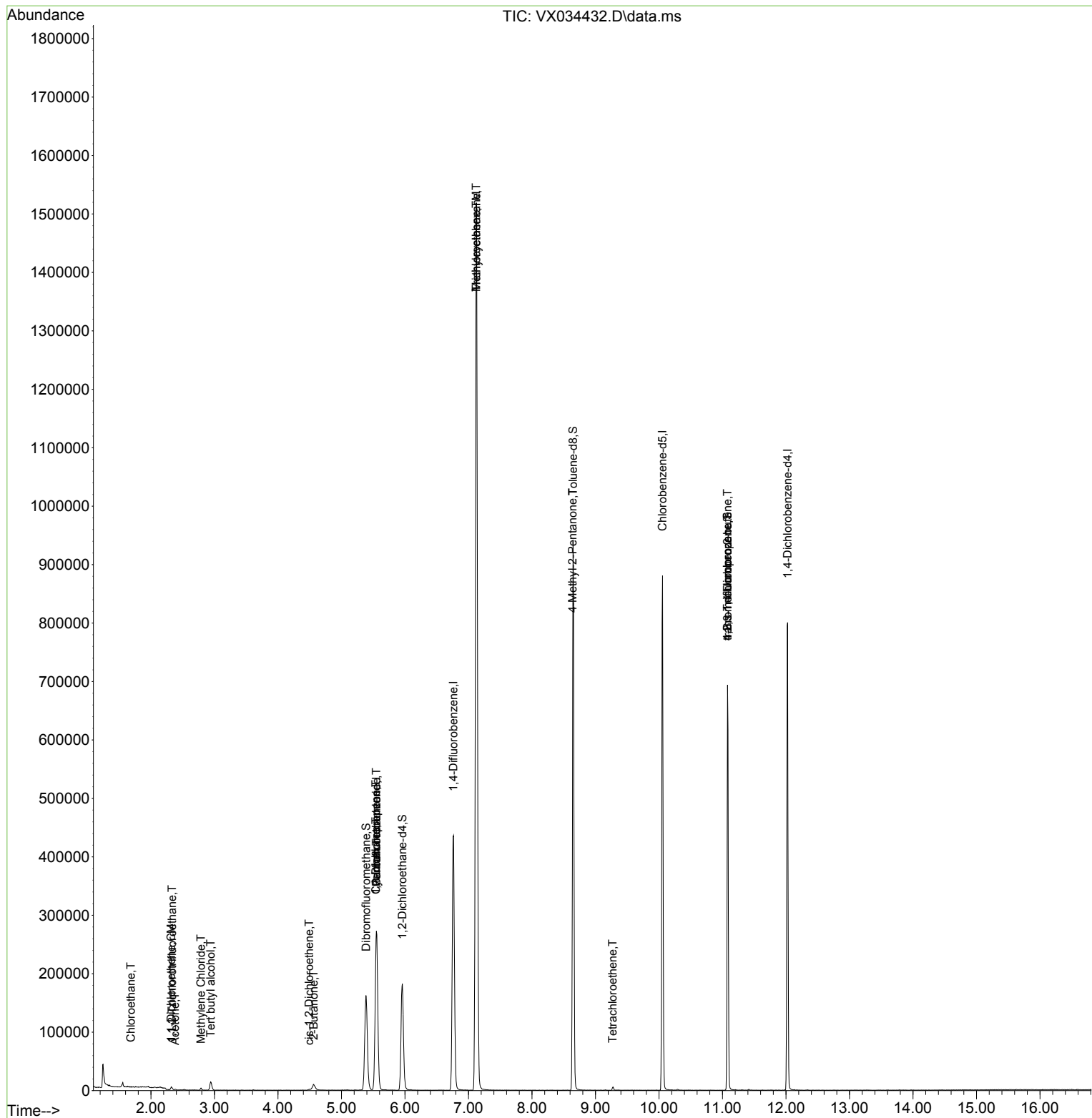
Internal Standards						
1) Pentafluorobenzene	5.550	168	264377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	447368	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	388784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172088	44.743	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.480%
35) Dibromofluoromethane	5.385	113	142540	48.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.520%
50) Toluene-d8	8.647	98	537581	48.754	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.500%
62) 4-Bromofluorobenzene	11.079	95	182632	41.005	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.020%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	584	Below Cal	#	74
6) Chloroethane	1.685	64	442	0.229	ug/l #	83
9) 1,1,2-Trichlorotrifluo...	2.331	101	1027	0.349	ug/l #	82
11) Tert butyl alcohol	2.941	59	8136	10.158	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	1028	0.355	ug/l	95
16) Acetone	2.380	43	1383	0.763	ug/l	89
20) Methylene Chloride	2.788	84	1172	0.333	ug/l #	58
25) 2-Butanone	4.562	43	674	0.260	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	1016	0.275	ug/l	65
31) Cyclohexane	5.544	56	6153	1.141	ug/l #	9
36) 1,1-Dichloropropene	5.544	75	20677	4.558	ug/l #	50
38) Carbon Tetrachloride	5.550	117	27087	6.002	ug/l #	14
39) Methylcyclohexane	7.123	83	6826	1.257	ug/l #	1
44) Trichloroethene	7.123	130	582310	168.867	ug/l	99
51) 4-Methyl-2-Pentanone	8.641	43	2648	0.544	ug/l #	1
64) Tetrachloroethene	9.269	164	659	0.252	ug/l #	66
76) 1,2,3-Trichloropropane	11.079	75	94377	24.166	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	94377	65.378	ug/l #	8

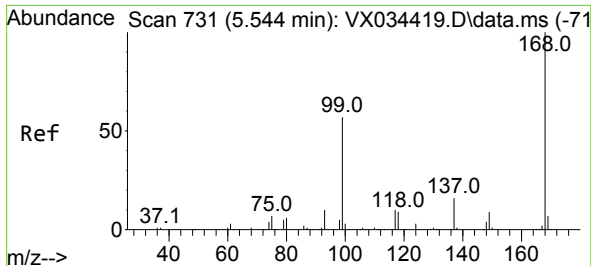
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX034432.D
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MSVOA_X
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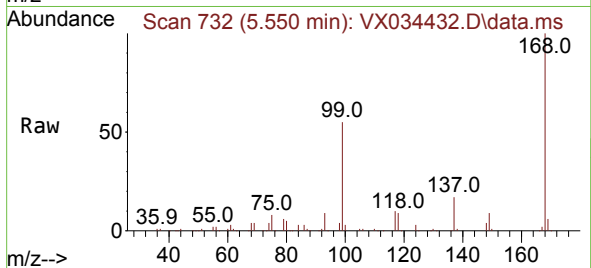
Quant Time: Mar 14 02:25:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration



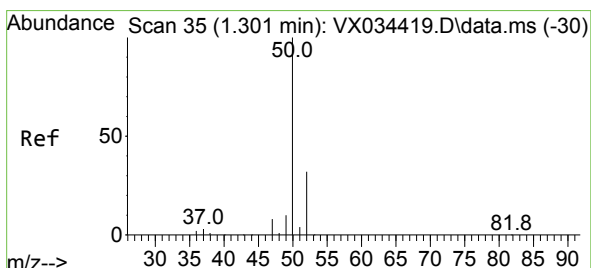
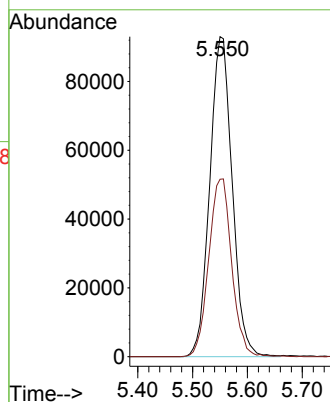
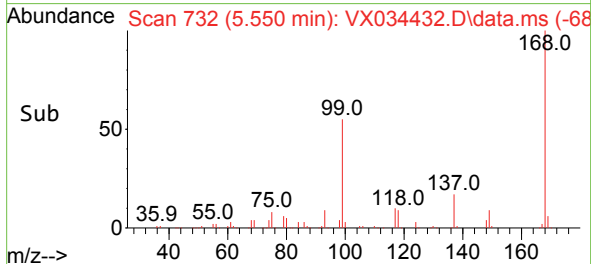


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

Instrument :
MSVOA_X
ClientSampleId :

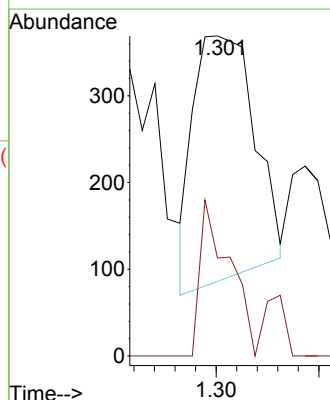
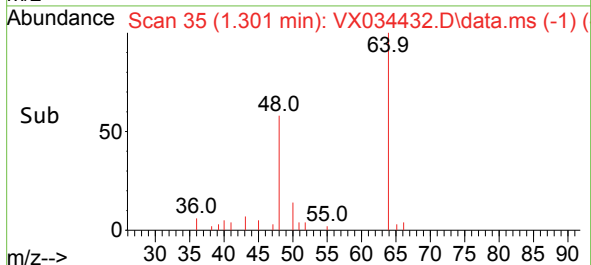
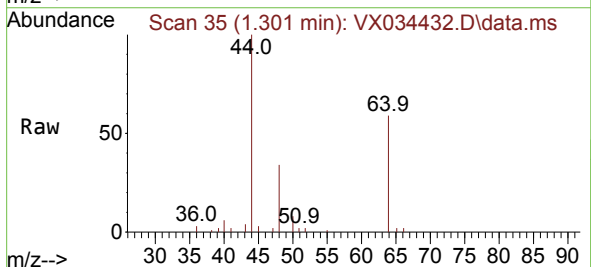


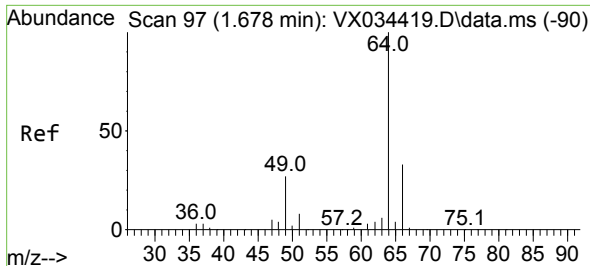
Tgt Ion:168 Resp: 264377
Ion Ratio Lower Upper
168 100
99 55.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

Tgt Ion: 50 Resp: 584
Ion Ratio Lower Upper
50 100
52 47.1 25.9 38.9#

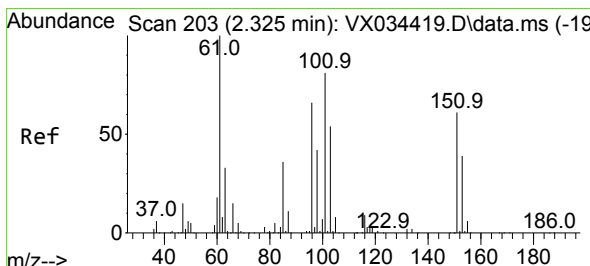
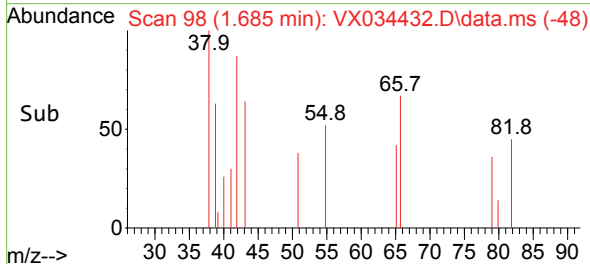
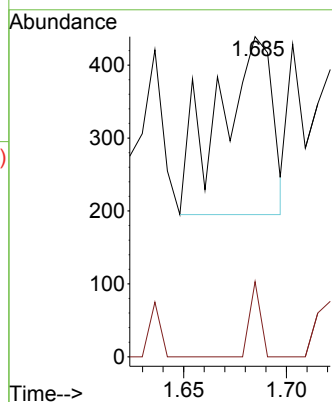
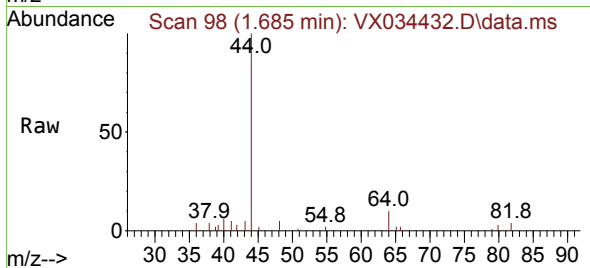




#6
Chloroethane
Concen: 0.229 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.007 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

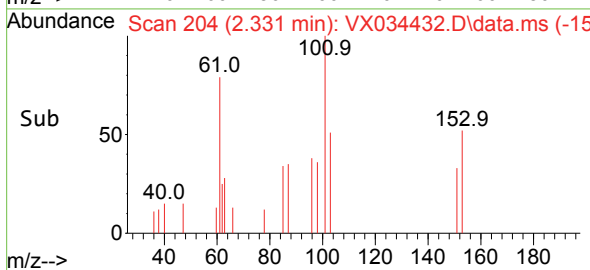
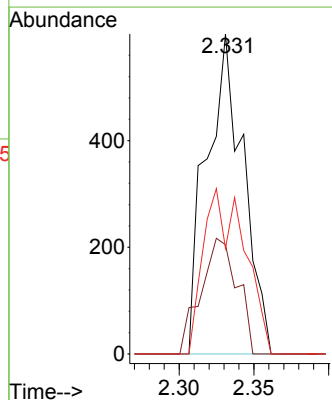
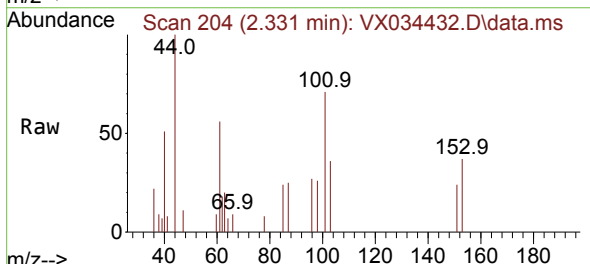
Instrument :
MSVOA_X
ClientSampleId :

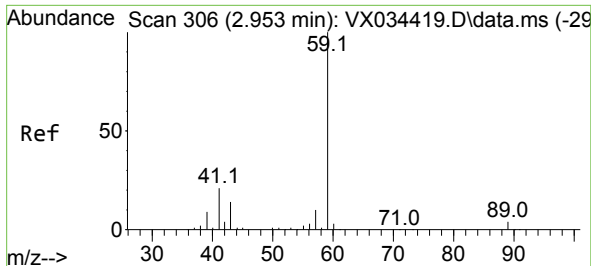
Tgt Ion: 64 Resp: 442
Ion Ratio Lower Upper
64 100
66 42.2 26.2 39.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.349 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

Tgt Ion: 101 Resp: 1027
Ion Ratio Lower Upper
101 100
85 35.8 35.4 53.2
151 57.7 60.2 90.4#





#11

Tert butyl alcohol

Concen: 10.158 ug/l

RT: 2.941 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX034432.D

Acq: 13 Mar 2023 15:01

Instrument :

MSVOA_X

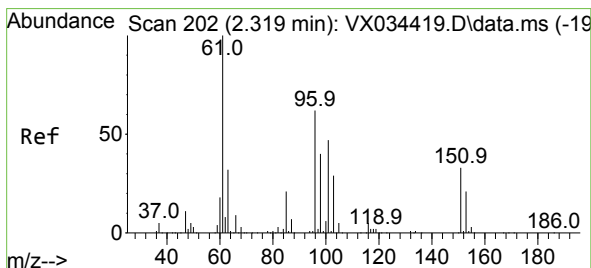
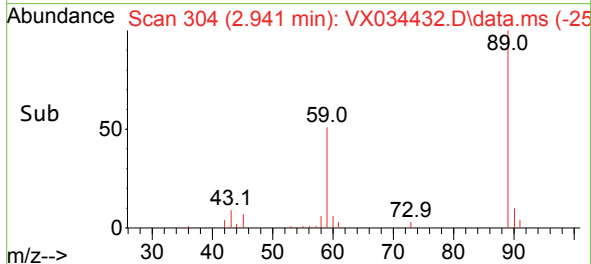
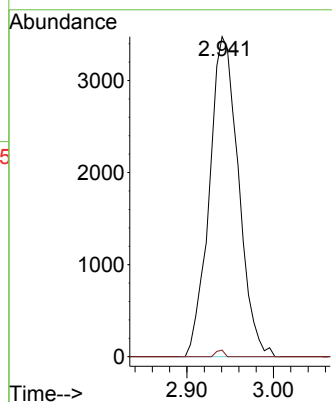
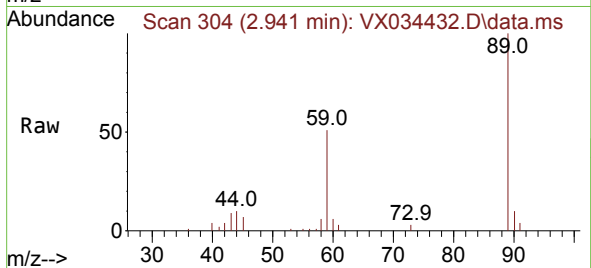
ClientSampleId :

Tgt Ion: 59 Resp: 8136

Ion Ratio Lower Upper

59 100

57 0.6 8.1 12.1#



#12

1,1-Dichloroethene

Concen: 0.355 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX034432.D

Acq: 13 Mar 2023 15:01

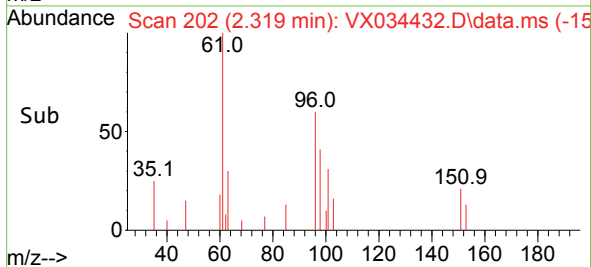
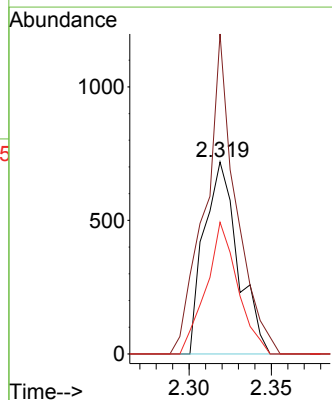
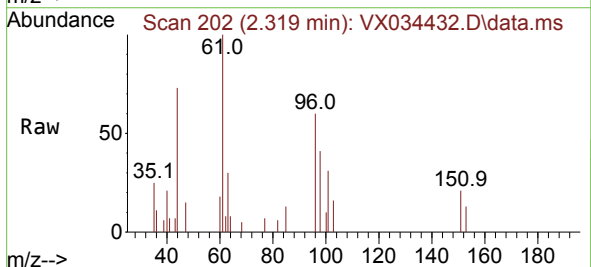
Tgt Ion: 96 Resp: 1028

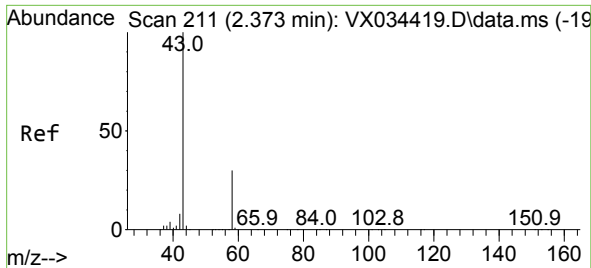
Ion Ratio Lower Upper

96 100

61 166.6 128.8 193.2

98 68.6 51.4 77.0

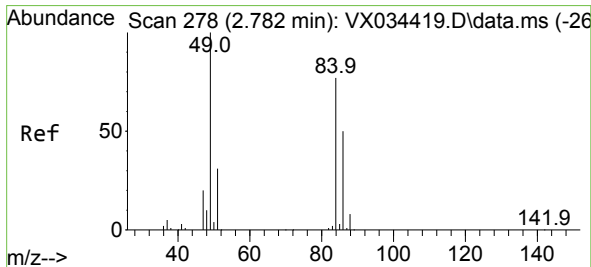
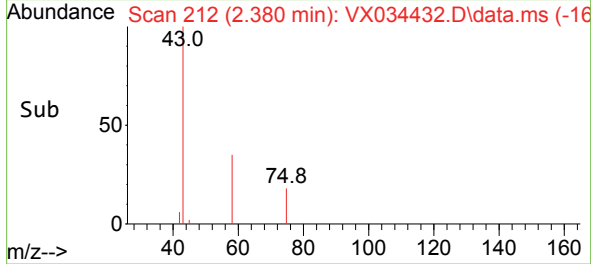
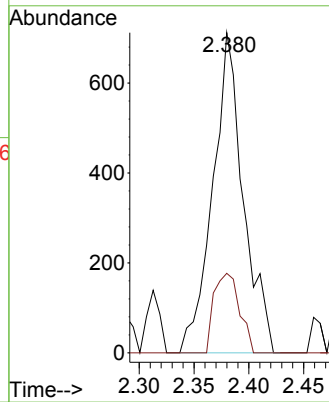
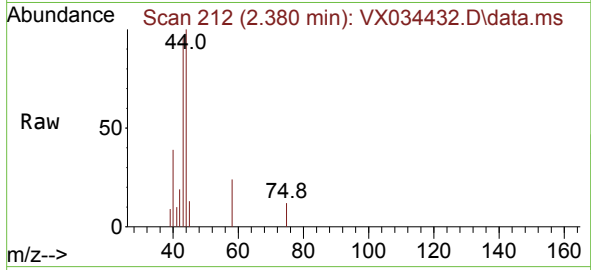




#16
Acetone
Concen: 0.763 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

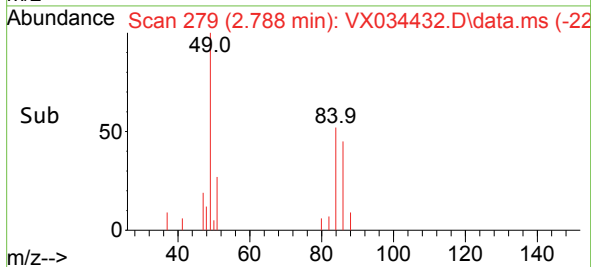
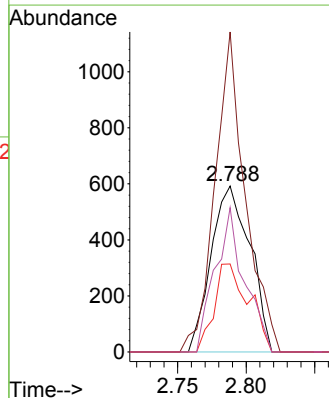
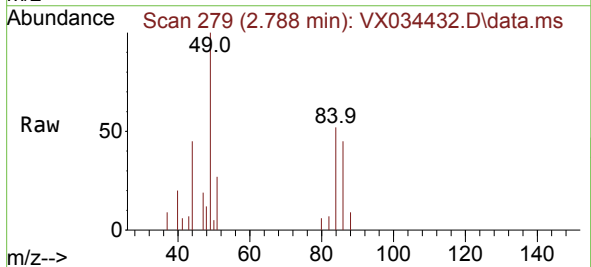
Instrument :
MSVOA_X
ClientSampleId :

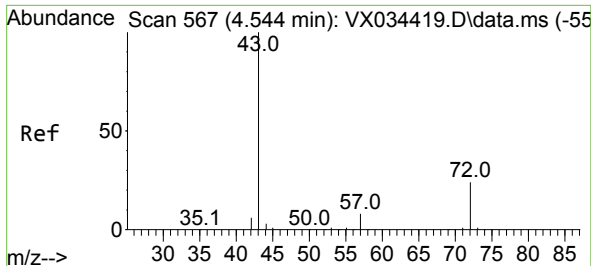
Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
58 24.9 24.7 37.1



#20
Methylene Chloride
Concen: 0.333 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

Tgt Ion: 84 Resp: 1172
Ion Ratio Lower Upper
84 100
49 192.9 103.8 155.8#
51 53.0 31.8 47.8#
86 87.0 51.4 77.2#

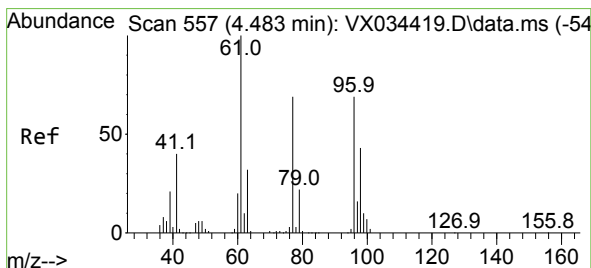
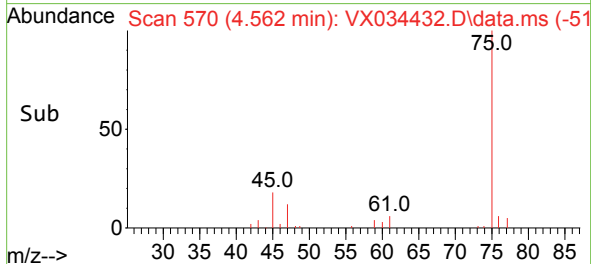
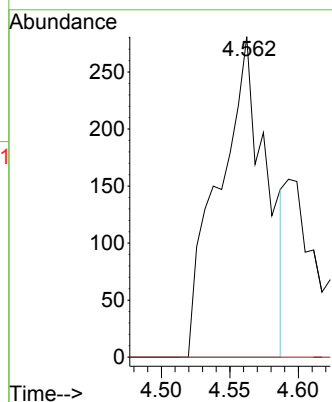
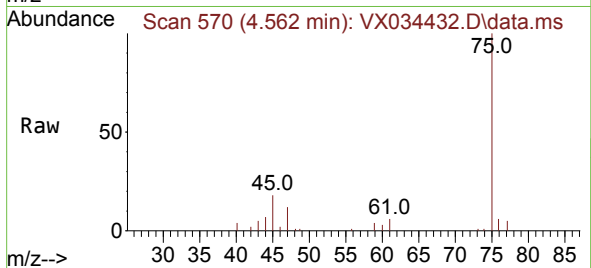




#25
2-Butanone
Concen: 0.260 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

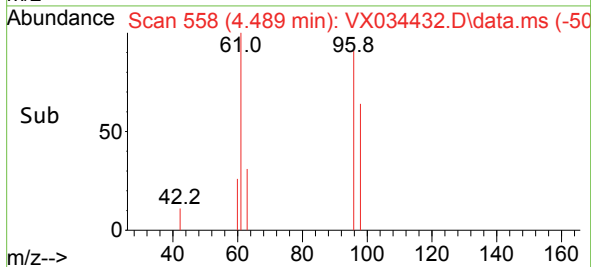
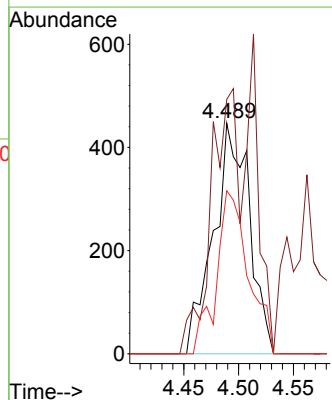
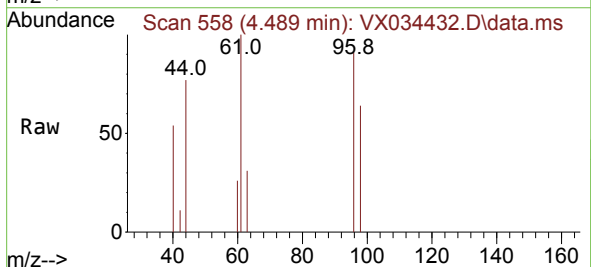
Instrument :
MSVOA_X
ClientSampleId :

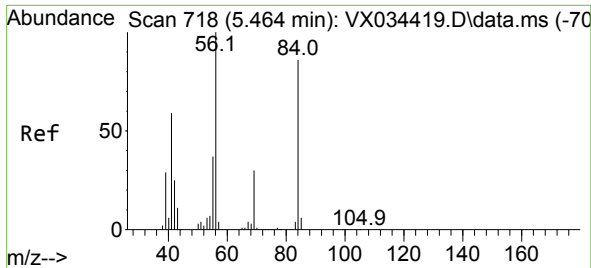
Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



#27
cis-1,2-Dichloroethene
Concen: 0.275 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

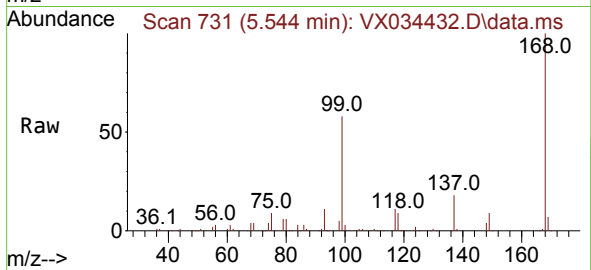
Tgt Ion: 96 Resp: 1016
Ion Ratio Lower Upper
96 100
61 87.2 0.0 300.4
98 63.3 0.0 129.0



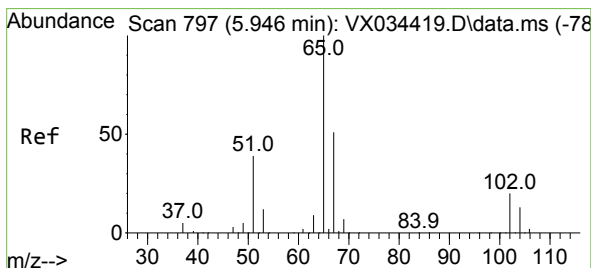
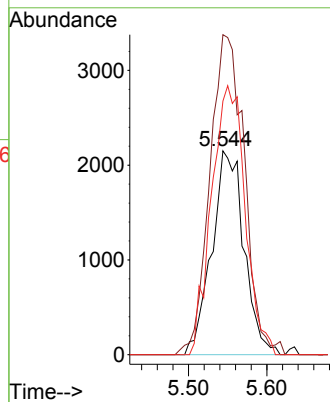
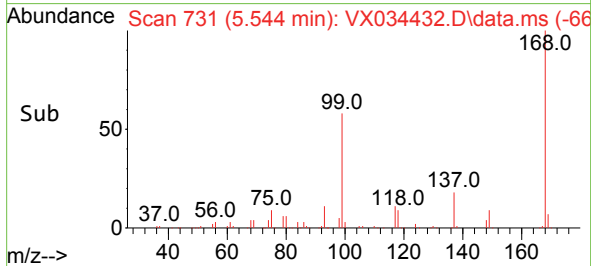


#31
Cyclohexane
Concen: 1.141 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

Instrument :
MSVOA_X
ClientSampleId :

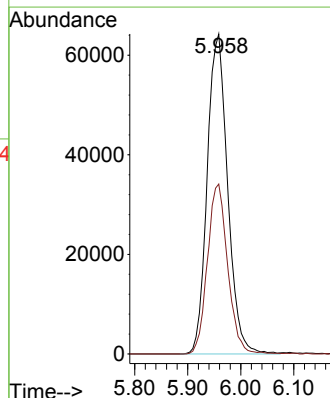
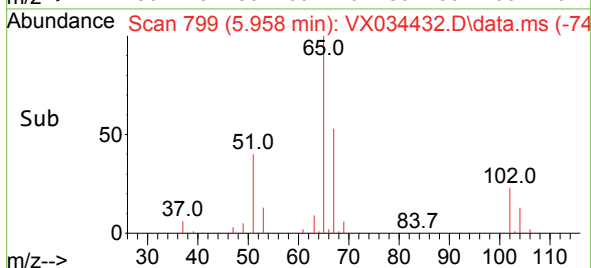
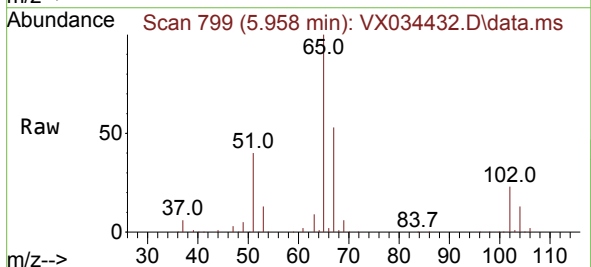


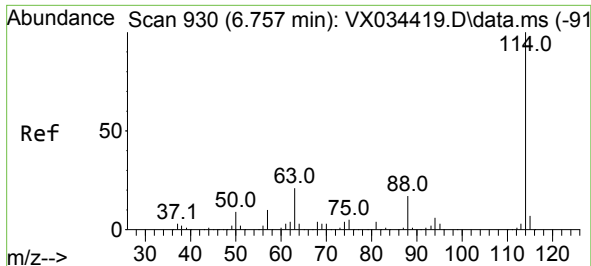
Tgt Ion: 56 Resp: 6153
Ion Ratio Lower Upper
56 100
69 154.6 23.7 35.5#
84 124.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 44.743 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

Tgt Ion: 65 Resp: 172088
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX034432.D

Acq: 13 Mar 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

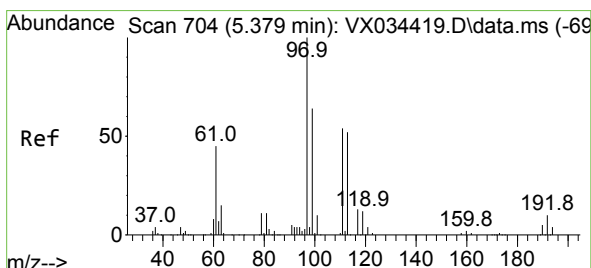
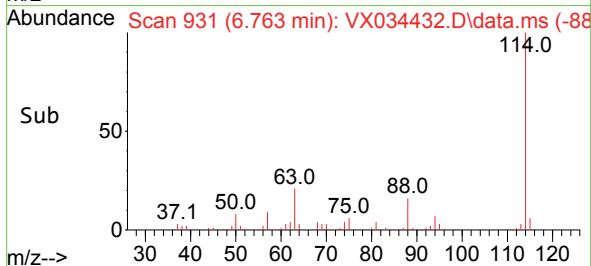
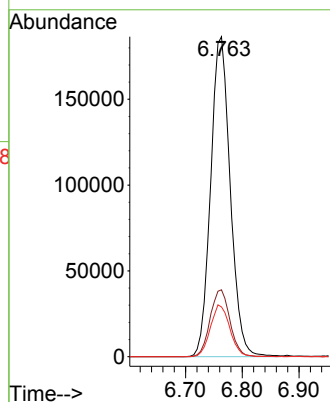
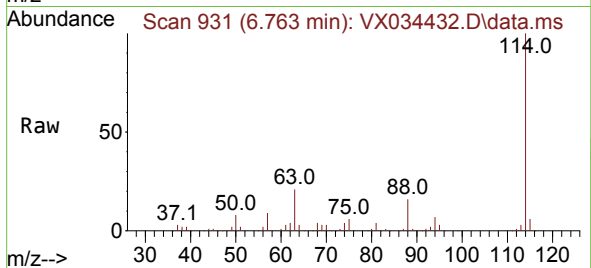
Tgt Ion:114 Resp: 447368

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.2

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.258 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034432.D

Acq: 13 Mar 2023 15:01

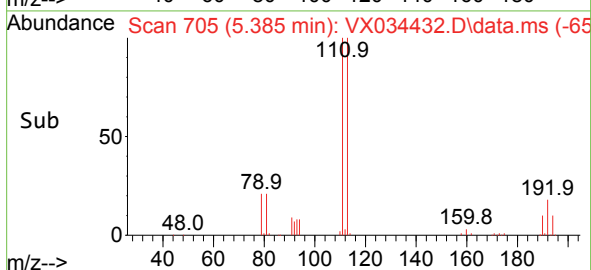
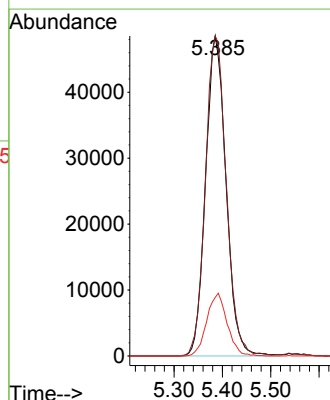
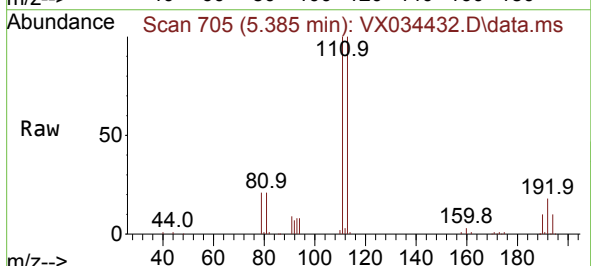
Tgt Ion:113 Resp: 142540

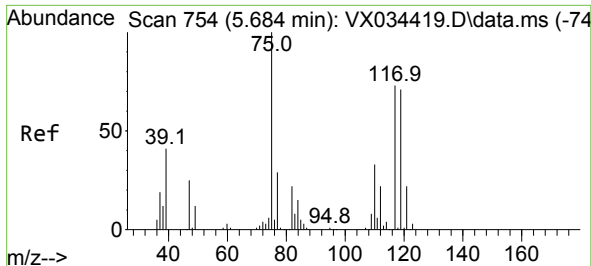
Ion Ratio Lower Upper

113 100

111 101.4 83.7 125.5

192 19.5 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.558 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

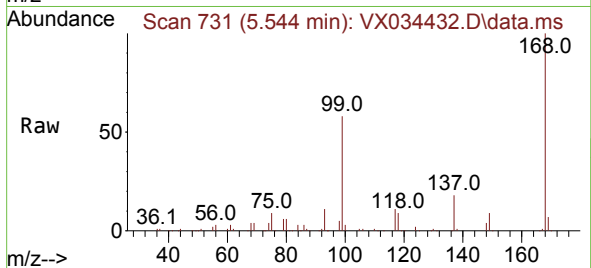
Lab File: VX034432.D

Acq: 13 Mar 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :



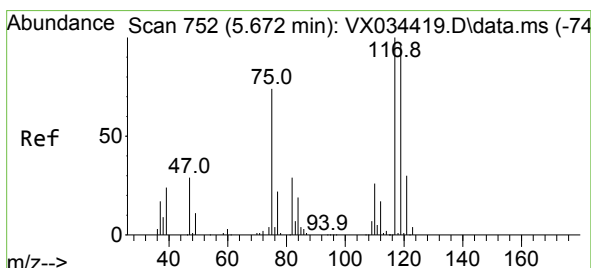
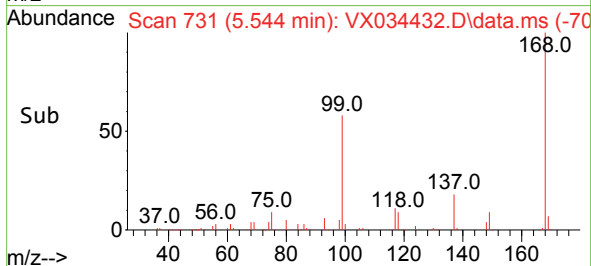
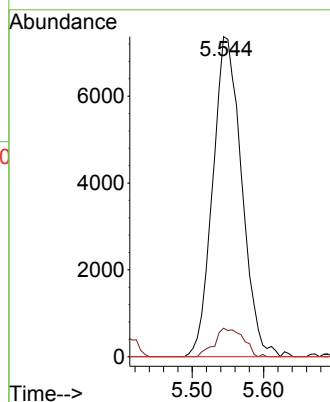
Tgt Ion: 75 Resp: 20677

Ion Ratio Lower Upper

75 100

110 8.8 17.5 52.5#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX034432.D

Acq: 13 Mar 2023 15:01

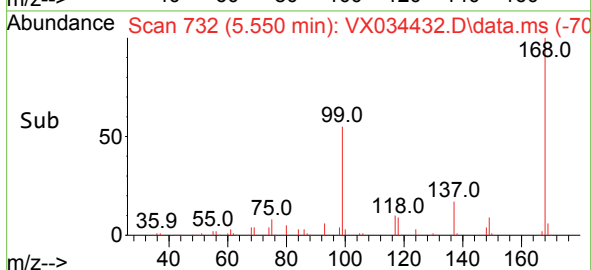
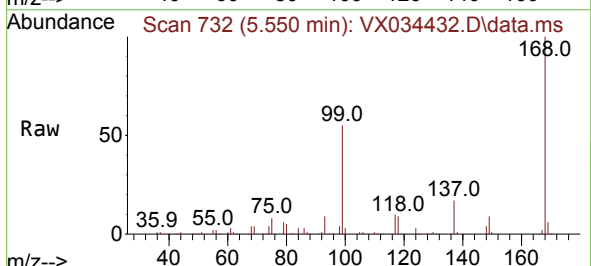
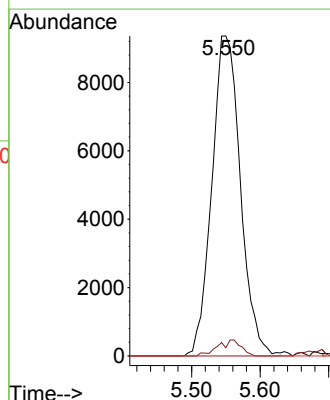
Tgt Ion: 117 Resp: 27087

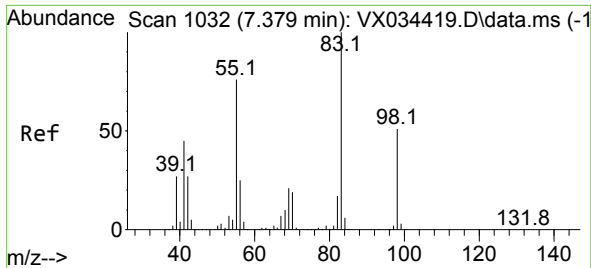
Ion Ratio Lower Upper

117 100

119 2.5 76.6 114.8#

121 0.0 23.8 35.6#

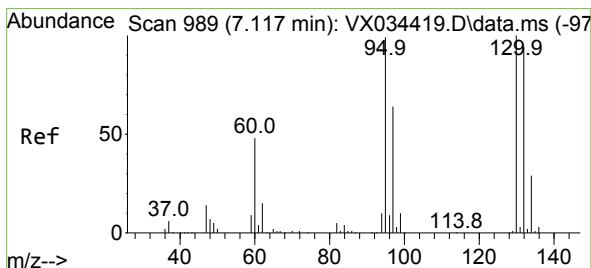
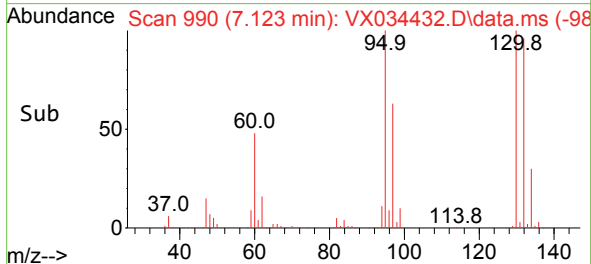
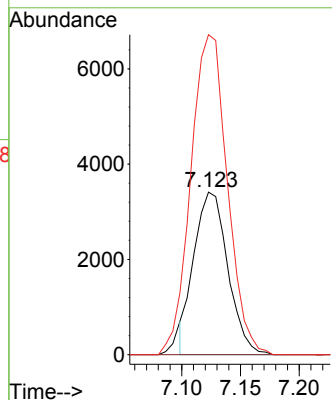
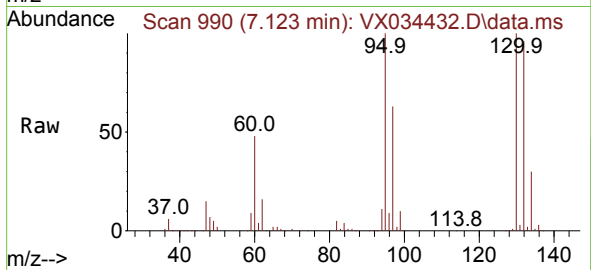




#39
Methylcyclohexane
Concen: 1.257 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

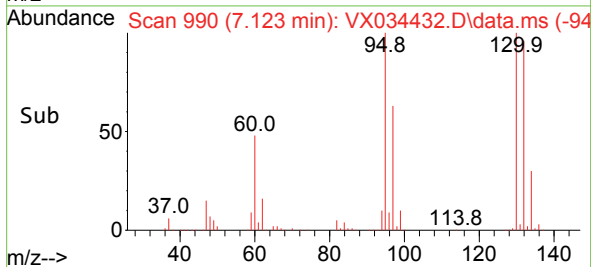
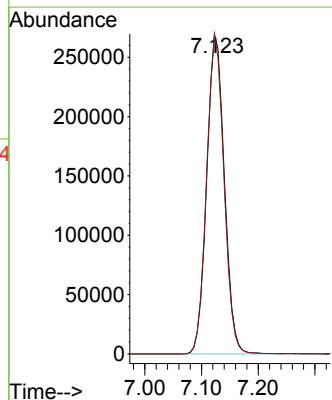
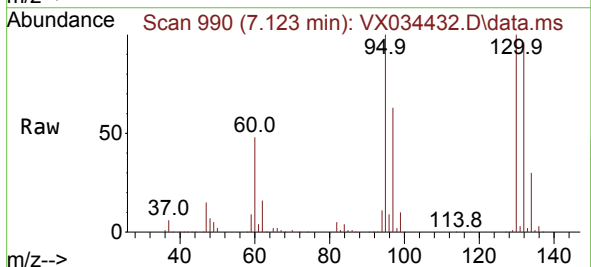
Instrument :
MSVOA_X
ClientSampleId :

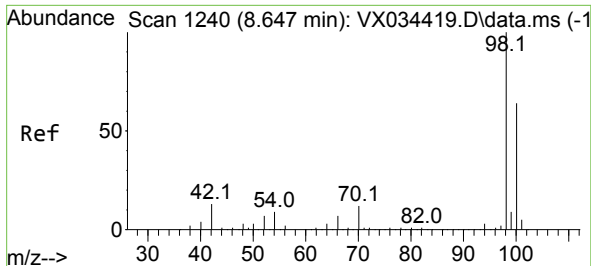
Tgt Ion: 83 Resp: 6826
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 197.0 40.4 60.6#



#44
Trichloroethene
Concen: 168.867 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

Tgt Ion:130 Resp: 582310
Ion Ratio Lower Upper
130 100
95 99.7 0.0 198.4

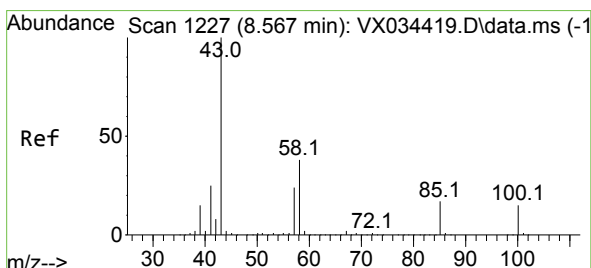
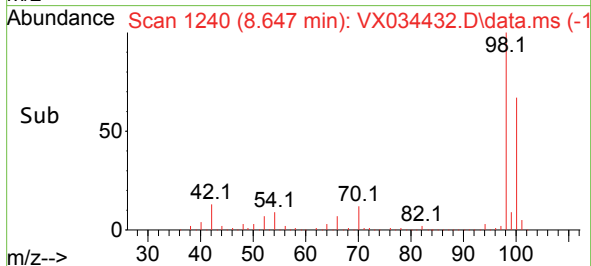
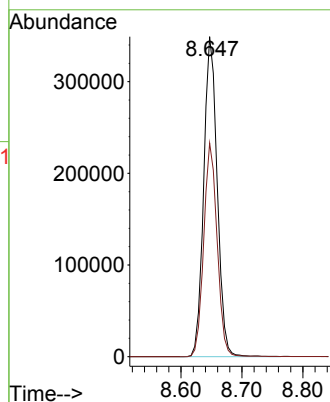
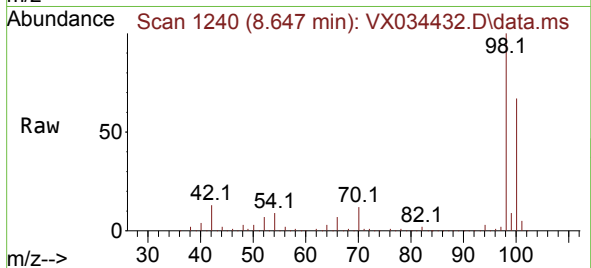




#50
Toluene-d8
Concen: 48.754 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

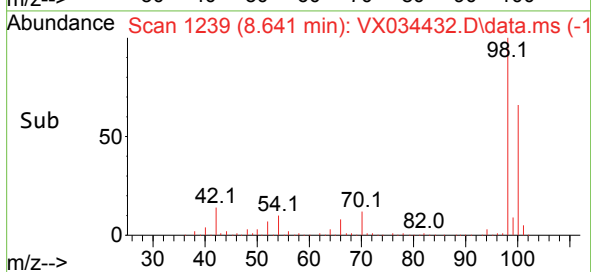
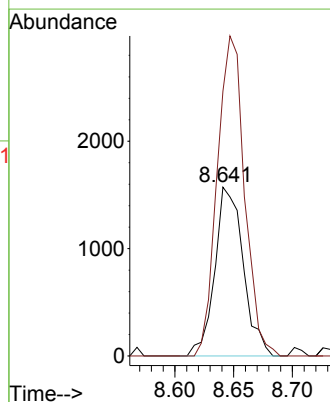
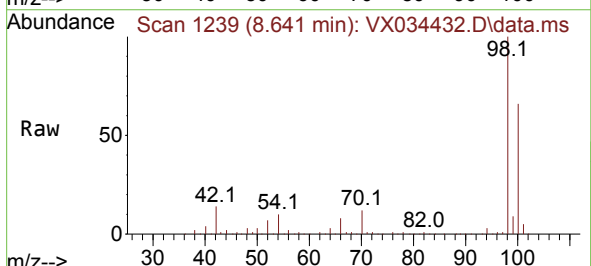
Instrument :
MSVOA_X
ClientSampleId :

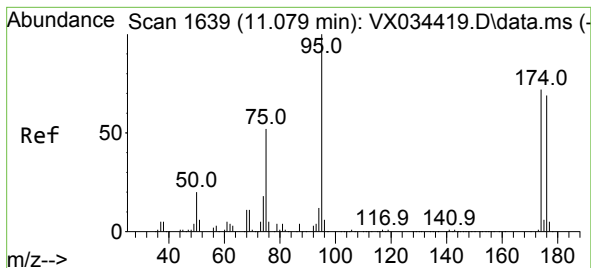
Tgt Ion: 98 Resp: 537581
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.544 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.073 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

Tgt Ion: 43 Resp: 2648
Ion Ratio Lower Upper
43 100
58 182.4 30.6 46.0#

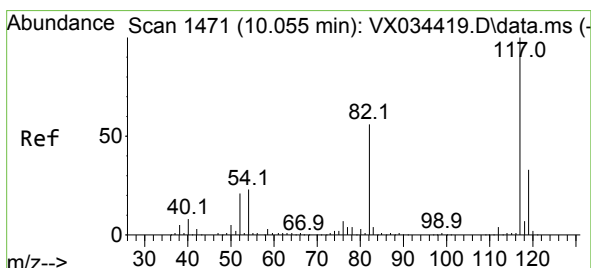
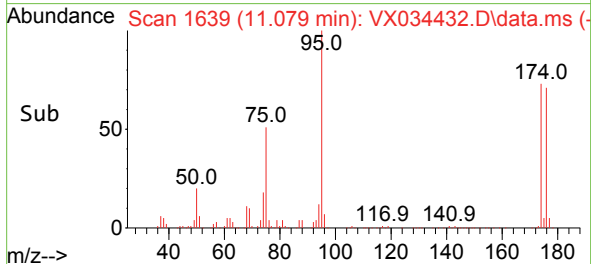
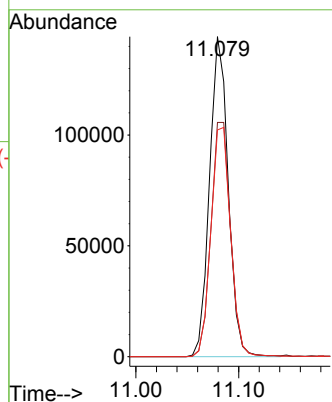
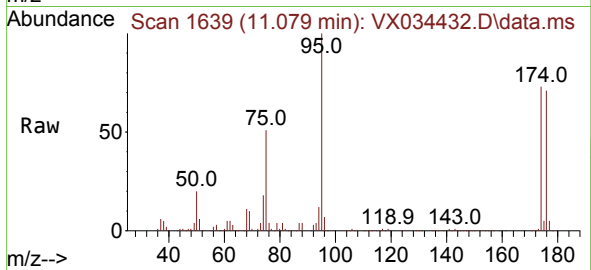




#62
4-Bromofluorobenzene
Concen: 41.005 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

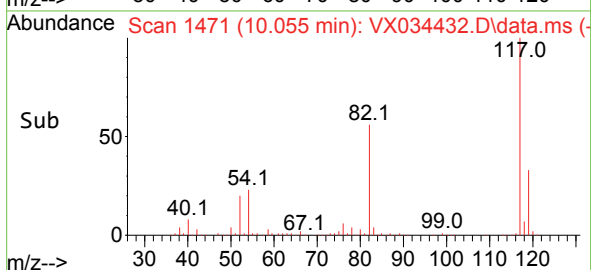
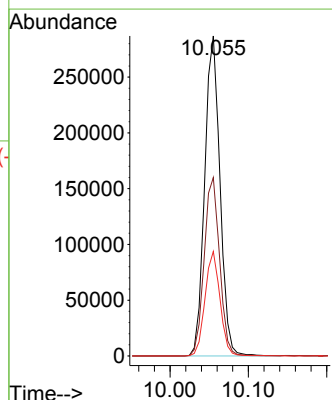
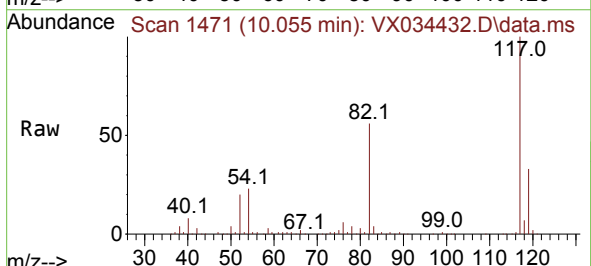
Instrument :
MSVOA_X
ClientSampleId :

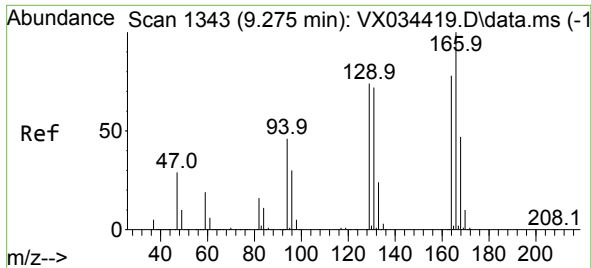
Tgt Ion: 95 Resp: 182632
Ion Ratio Lower Upper
95 100
174 76.8 0.0 147.4
176 75.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

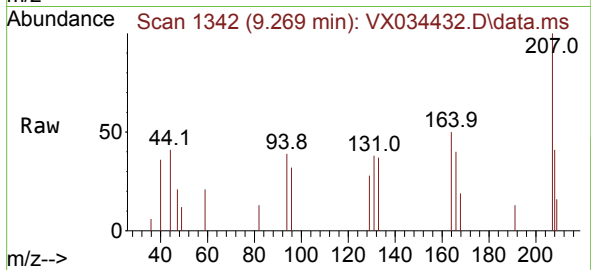
Tgt Ion: 117 Resp: 388784
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.4
119 32.6 26.0 39.0



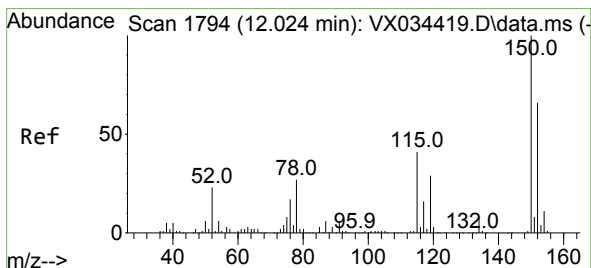
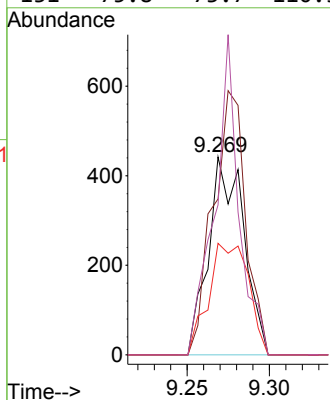
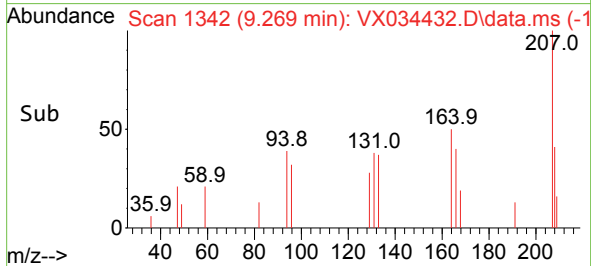


#64
Tetrachloroethene
Concen: 0.252 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

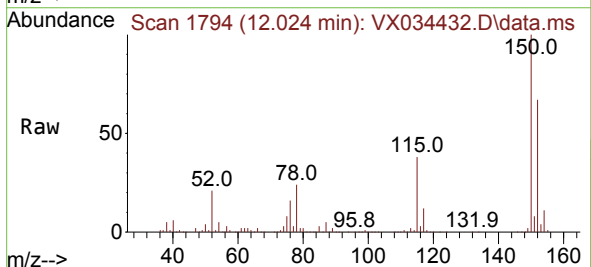
Instrument :
MSVOA_X
ClientSampleId :



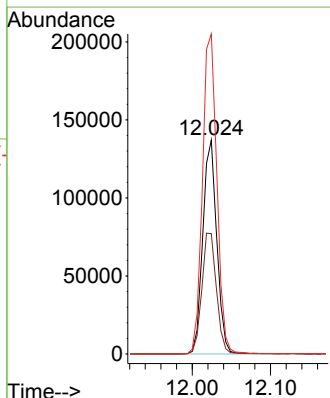
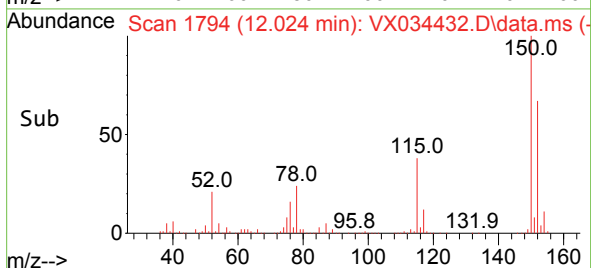
Tgt Ion:164 Resp: 659
Ion Ratio Lower Upper
164 100
166 78.7 102.7 154.1#
129 56.3 75.6 113.4#
131 75.8 73.7 110.5

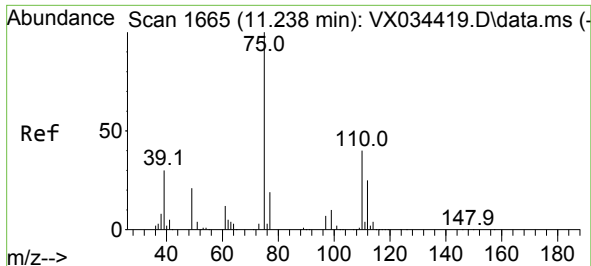


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01



Tgt Ion:152 Resp: 170082
Ion Ratio Lower Upper
152 100
115 58.9 45.0 135.0
150 154.1 0.0 352.4

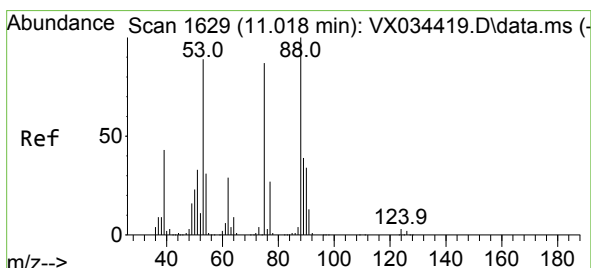
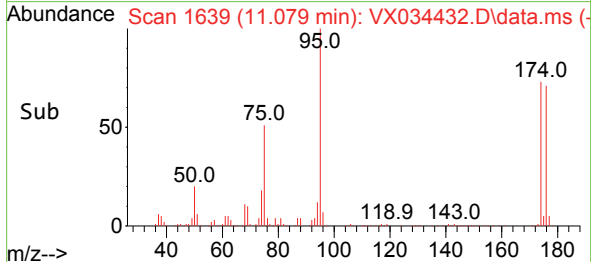
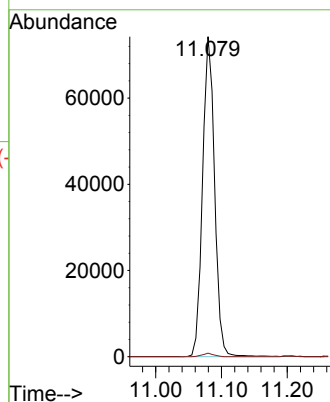
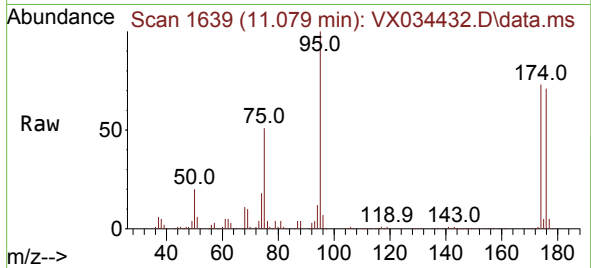




#76
1,2,3-Trichloropropane
Concen: 24.166 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 94377
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034432.D
Acq: 13 Mar 2023 15:01

Tgt Ion: 75 Resp: 94377
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

