

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022224\
 Data File : VX040402.D
 Acq On : 22 Feb 2024 15:26
 Operator : JC/MD
 Sample : P1520-11DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 23 00:08:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

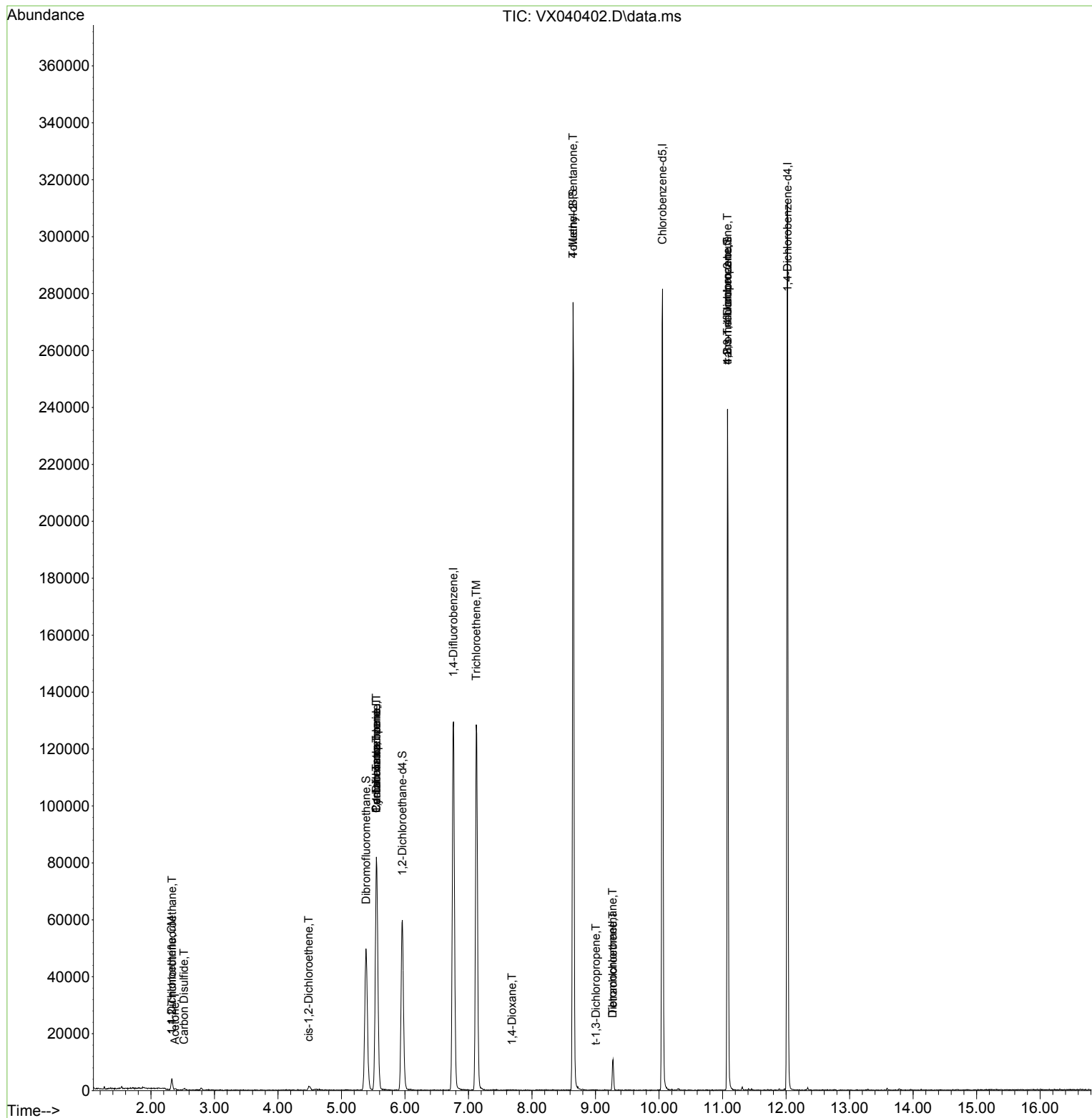
Internal Standards						
1) Pentafluorobenzene	5.550	168	71852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128650	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58228	54.472	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.940%			
35) Dibromofluoromethane	5.385	113	42318	47.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.200%			
50) Toluene-d8	8.647	98	158249	47.088	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.180%			
62) 4-Bromofluorobenzene	11.079	95	60267	43.970	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.940%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	1425	1.870	ug/l	94
12) 1,1-Dichloroethene	2.325	96	254	0.346	ug/l #	75
16) Acetone	2.380	43	409	0.932	ug/l #	47
17) Carbon Disulfide	2.520	76	418	0.216	ug/l #	76
20) Methylene Chloride	2.788	84	424	Below Cal	#	55
27) cis-1,2-Dichloroethene	4.483	96	979	1.027	ug/l	78
31) Cyclohexane	5.550	56	2016	1.581	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	6849	5.442	ug/l #	48
38) Carbon Tetrachloride	5.550	117	7867	6.574	ug/l #	16
44) Trichloroethene	7.123	130	47285	48.707	ug/l	96
49) 1,4-Dioxane	7.683	88	54	2.219	ug/l #	55
51) 4-Methyl-2-Pentanone	8.647	43	720	0.482	ug/l #	1
53) t-1,3-Dichloropropene	9.006	75	46	1.987	ug/l #	43
60) Dibromochloromethane	9.269	129	1849	1.846	ug/l #	11
64) Tetrachloroethene	9.275	164	1756	2.019	ug/l #	88
76) 1,2,3-Trichloropropane	11.079	75	34216	27.823	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	34216	76.134	ug/l #	5

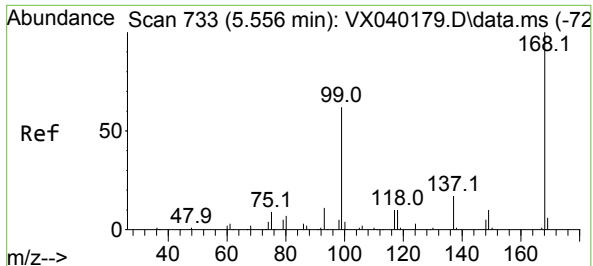
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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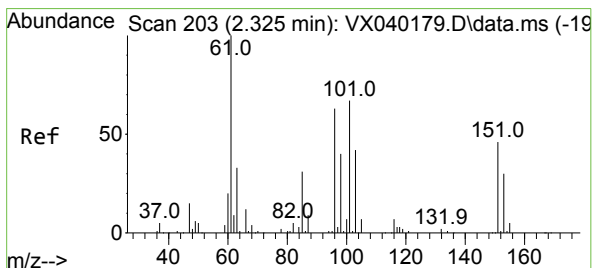
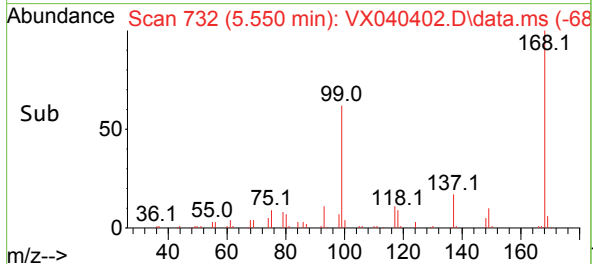
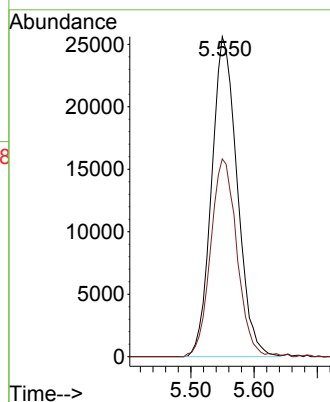
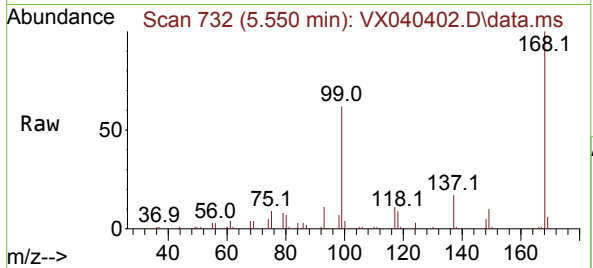




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

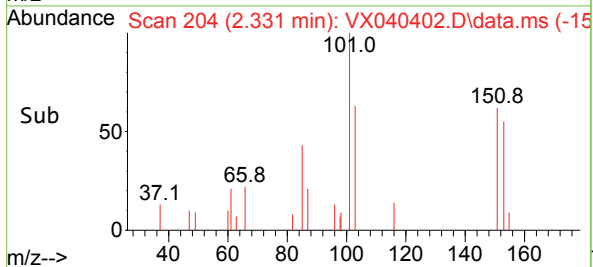
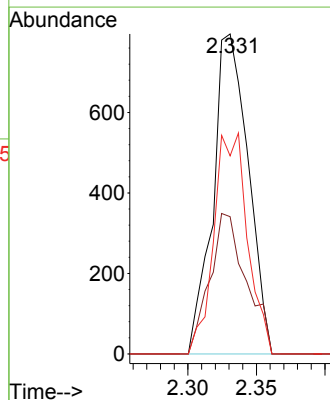
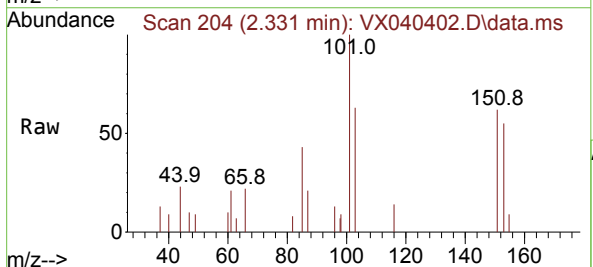
Instrument :
MSVOA_X
ClientSampleId :

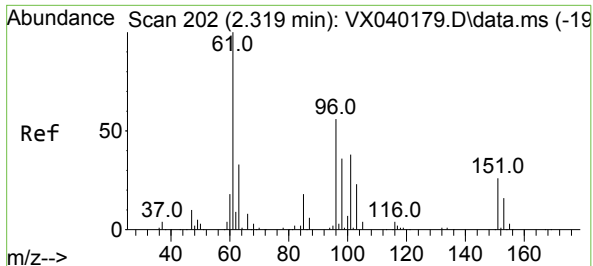
Tgt Ion:168 Resp: 71852
Ion Ratio Lower Upper
168 100
99 61.8 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.870 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

Tgt Ion:101 Resp: 1425
Ion Ratio Lower Upper
101 100
85 45.3 37.0 55.6
151 65.7 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.346 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX040402.D

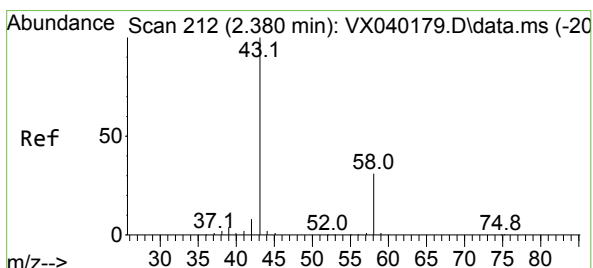
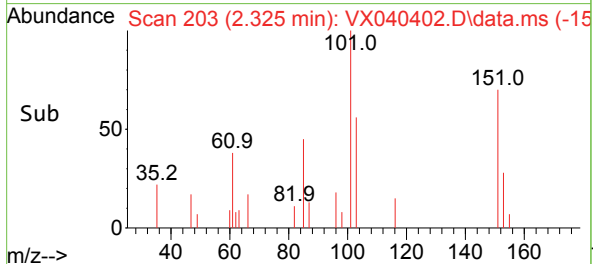
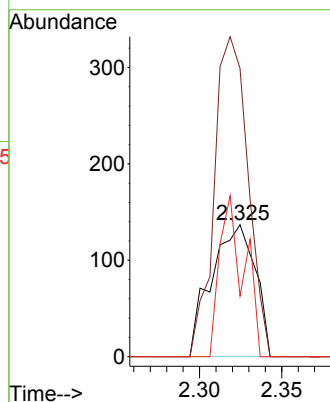
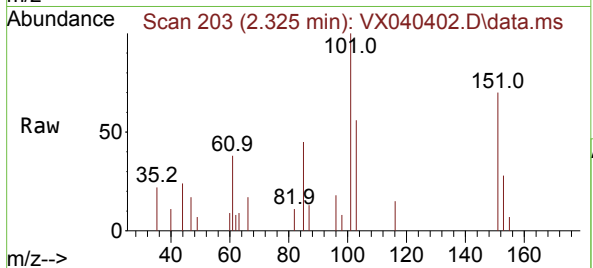
Acq: 22 Feb 2024 15:26

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	96	Resp:	254
Ion	Ratio	Lower	Upper
96	100		
61	218.2	144.6	216.8#
98	46.0	50.4	75.6#



#16

Acetone

Concen: 0.932 ug/l

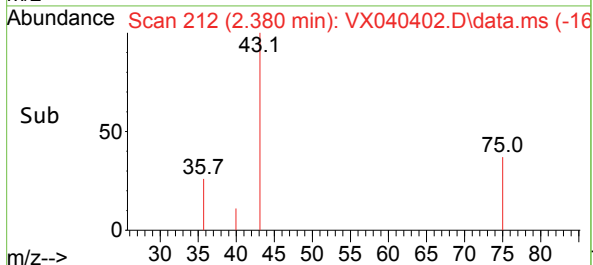
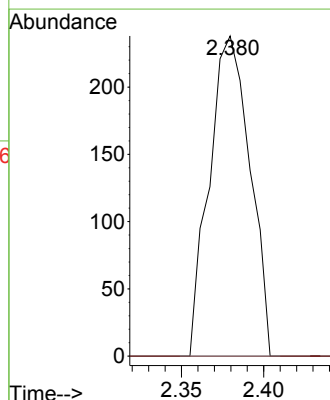
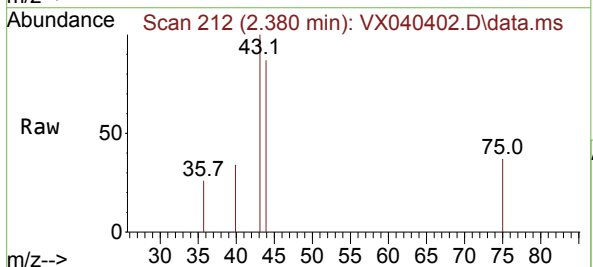
RT: 2.380 min Scan# 212

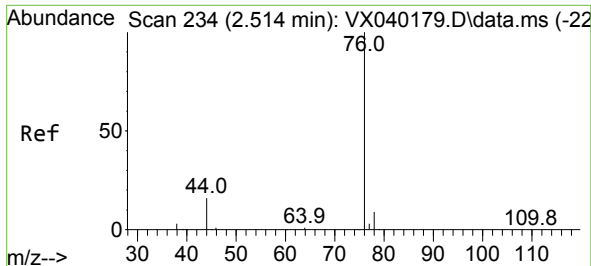
Delta R.T. -0.000 min

Lab File: VX040402.D

Acq: 22 Feb 2024 15:26

Tgt Ion:	43	Resp:	409
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.9	32.9#





#17

Carbon Disulfide

Concen: 0.216 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX040402.D

Acq: 22 Feb 2024 15:26

Instrument :

MSVOA_X

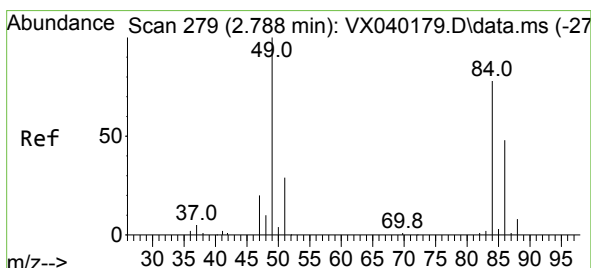
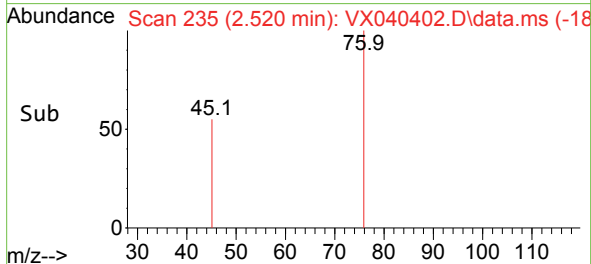
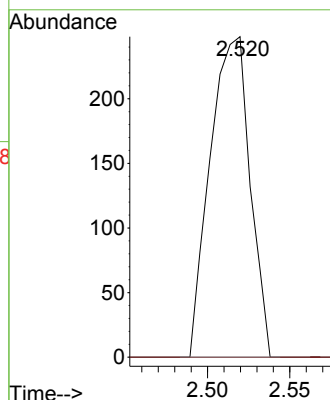
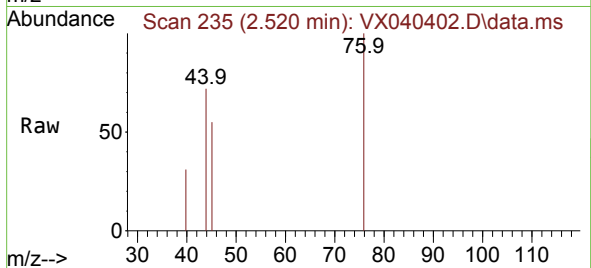
ClientSampleId :

Tgt Ion: 76 Resp: 418

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX040402.D

Acq: 22 Feb 2024 15:26

Tgt Ion: 84 Resp: 424

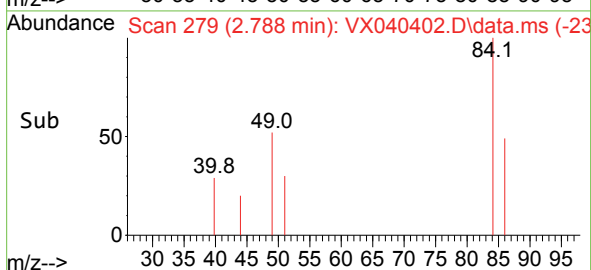
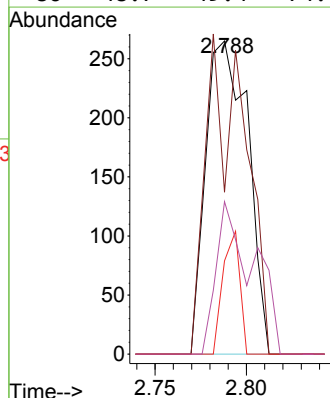
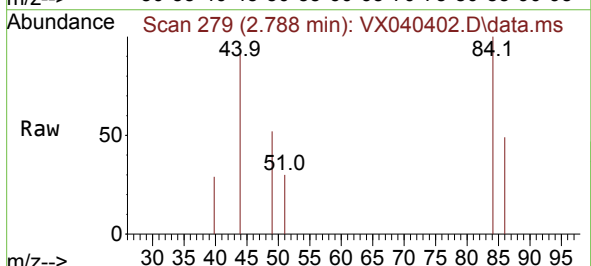
Ion Ratio Lower Upper

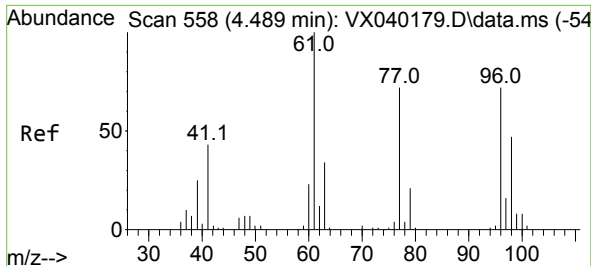
84 100

49 51.7 103.6 155.4#

51 29.8 33.8 50.6#

86 48.7 49.4 74.0#





#27

cis-1,2-Dichloroethene

Concen: 1.027 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

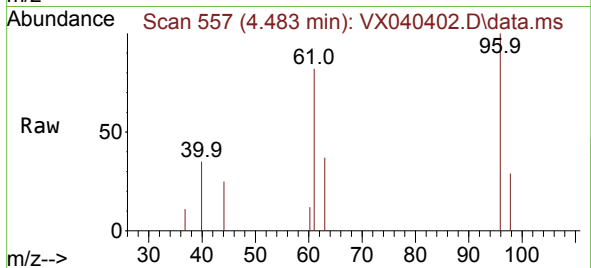
Lab File: VX040402.D

Acq: 22 Feb 2024 15:26

Instrument :

MSVOA_X

ClientSampleId :



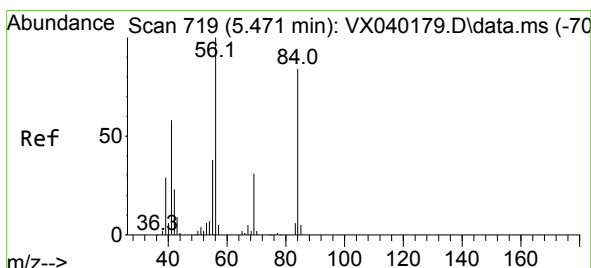
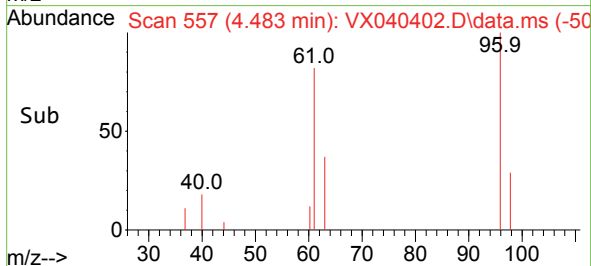
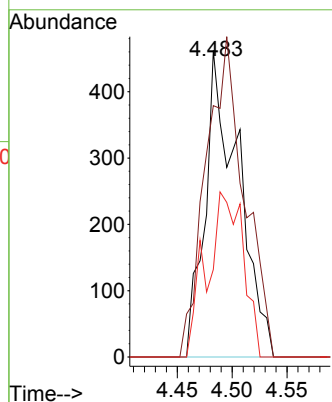
Tgt Ion: 96 Resp: 979

Ion Ratio Lower Upper

96 100

61 119.8 0.0 312.2

98 58.4 0.0 129.0



#31

Cyclohexane

Concen: 1.581 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040402.D

Acq: 22 Feb 2024 15:26

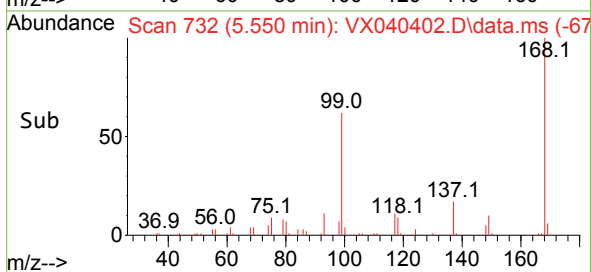
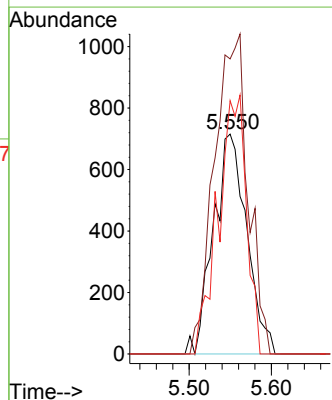
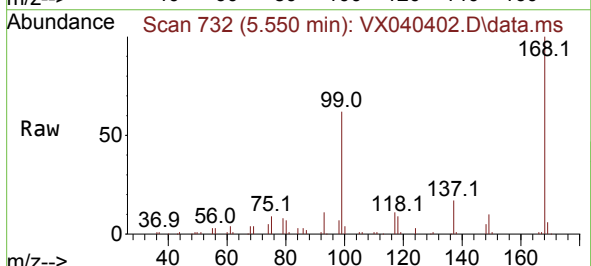
Tgt Ion: 56 Resp: 2016

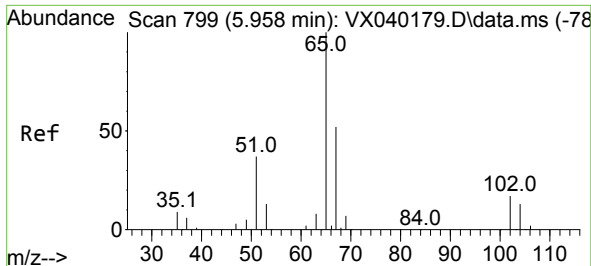
Ion Ratio Lower Upper

56 100

69 134.3 23.4 35.2#

84 115.2 65.9 98.9#

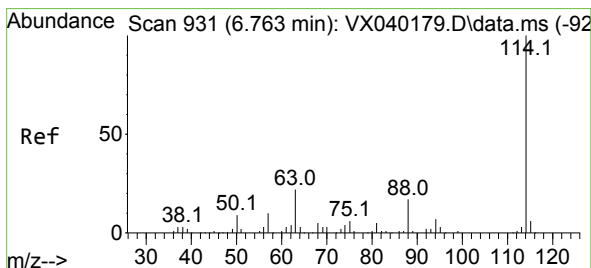
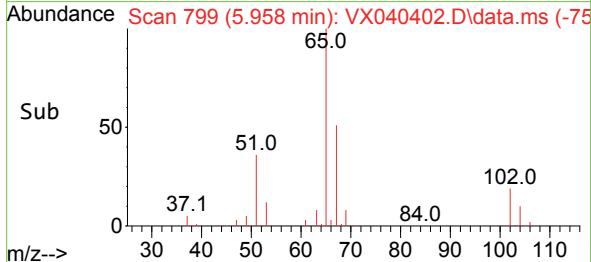
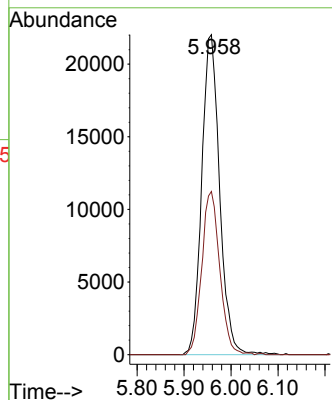
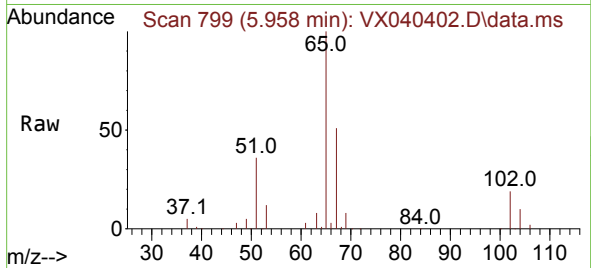




#33
 1,2-Dichloroethane-d4
 Concen: 54.472 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX040402.D
 Acq: 22 Feb 2024 15:26

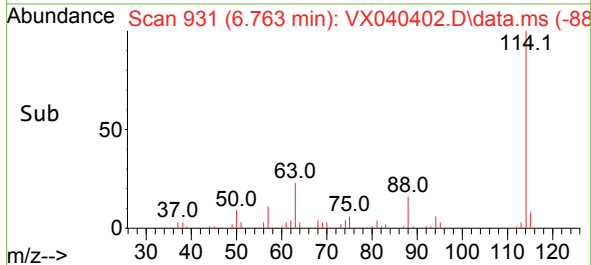
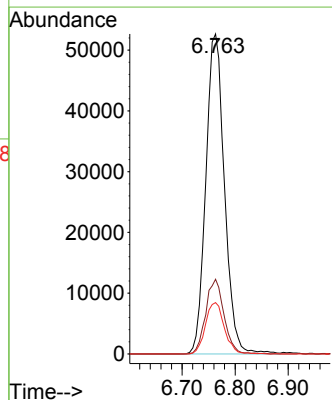
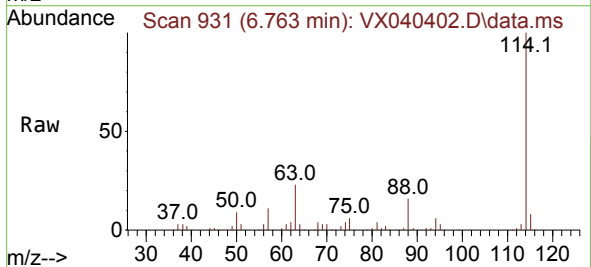
Instrument :
 MSVOA_X
 ClientSampleId :

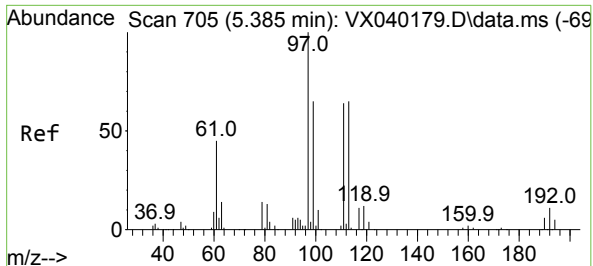
Tgt Ion: 65 Resp: 58228
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX040402.D
 Acq: 22 Feb 2024 15:26

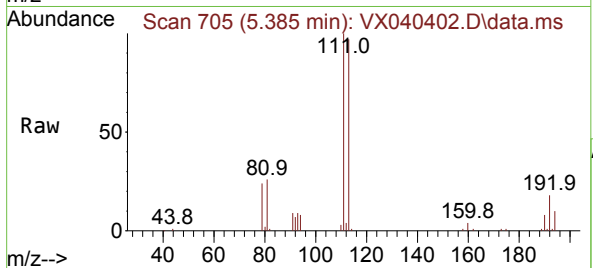
Tgt Ion: 114 Resp: 128650
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.0
 88 16.1 0.0 36.6



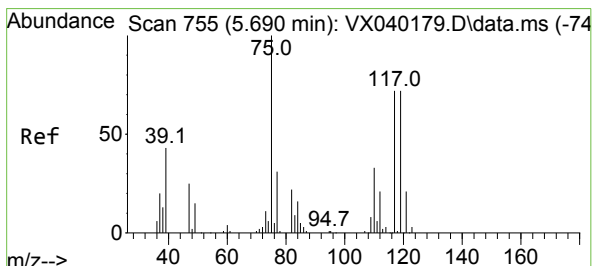
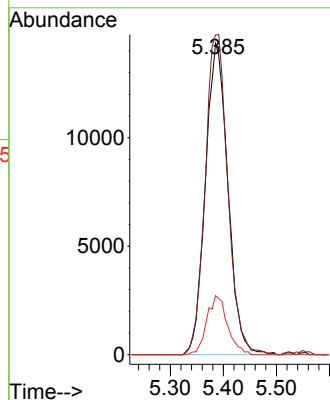
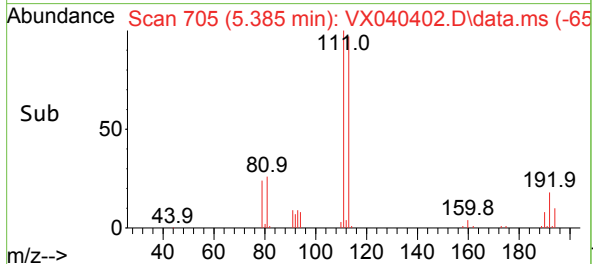


#35
Dibromofluoromethane
Concen: 47.103 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

Instrument :
MSVOA_X
ClientSampleId :

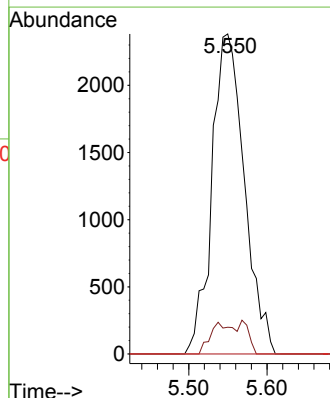
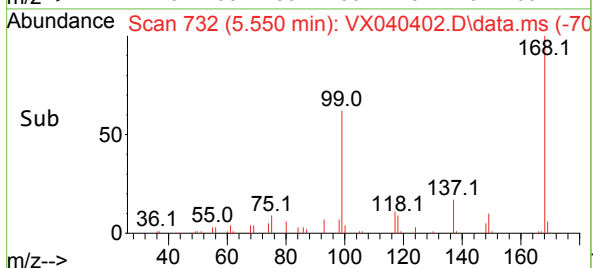
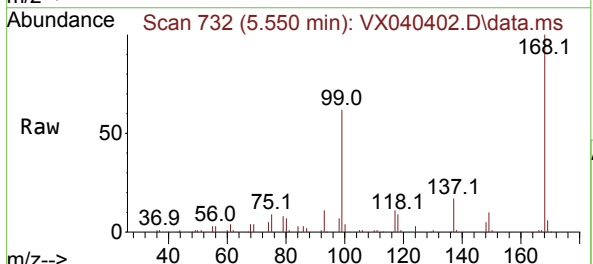


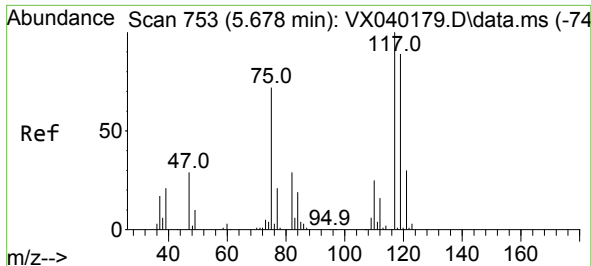
Tgt Ion:113 Resp: 42318
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.442 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

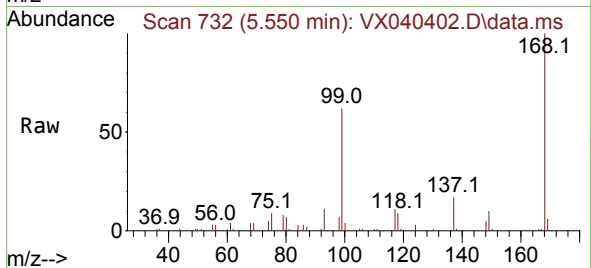
Tgt Ion: 75 Resp: 6849
Ion Ratio Lower Upper
75 100
110 6.4 17.0 50.9#
77 0.0 24.7 37.1#



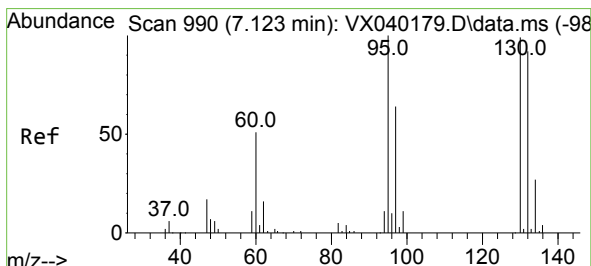
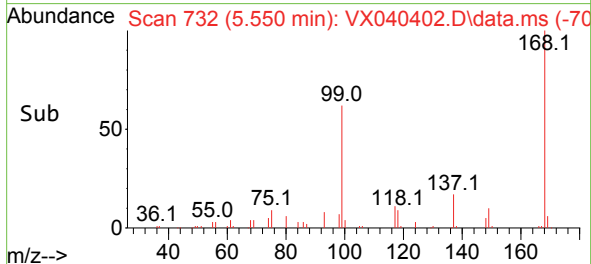
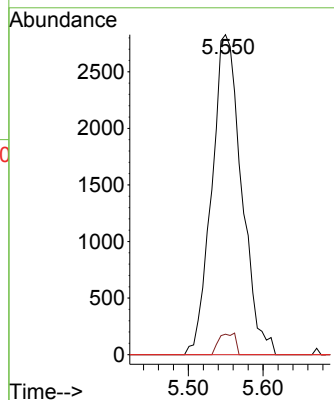


#38
Carbon Tetrachloride
Concen: 6.574 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

Instrument :
MSVOA_X
ClientSampleId :

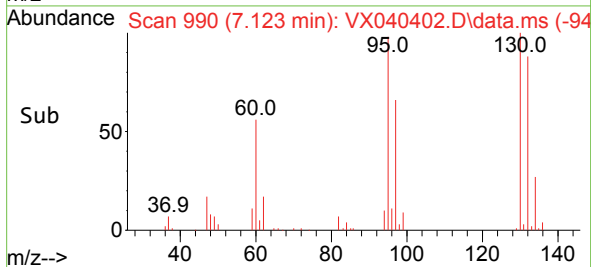
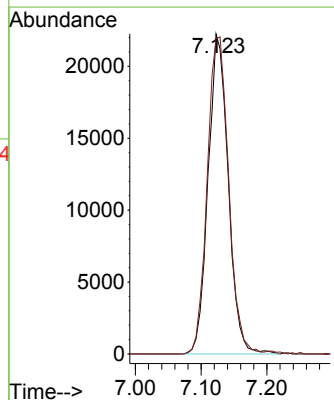
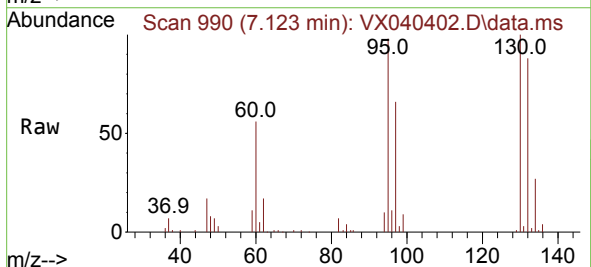


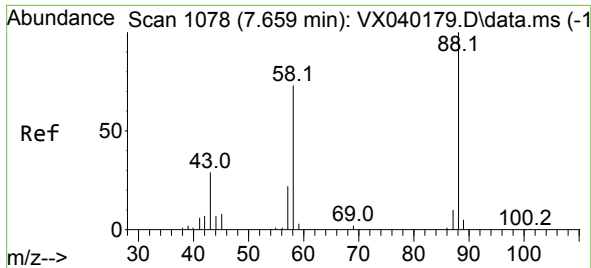
Tgt Ion:117 Resp: 7867
Ion Ratio Lower Upper
117 100
119 6.4 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 48.707 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

Tgt Ion:130 Resp: 47285
Ion Ratio Lower Upper
130 100
95 98.5 0.0 204.4

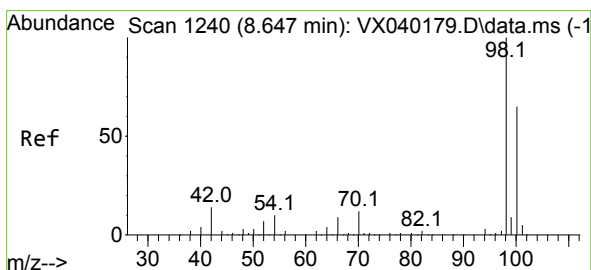
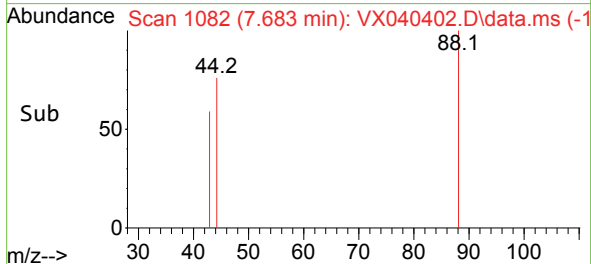
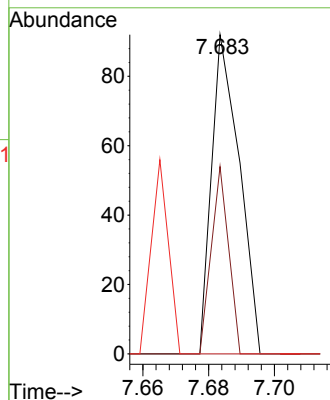
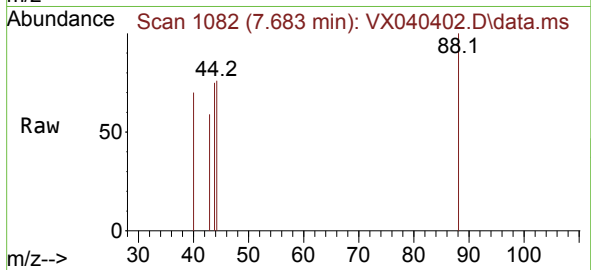




#49
1,4-Dioxane
Concen: 2.219 ug/l
RT: 7.683 min Scan# 1078
Delta R.T. 0.024 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

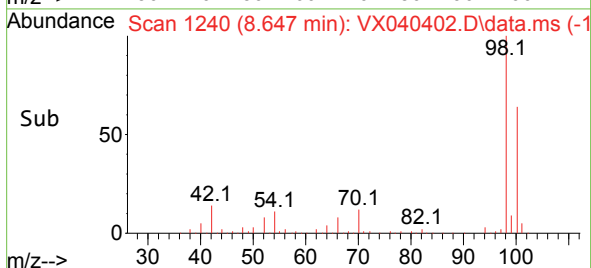
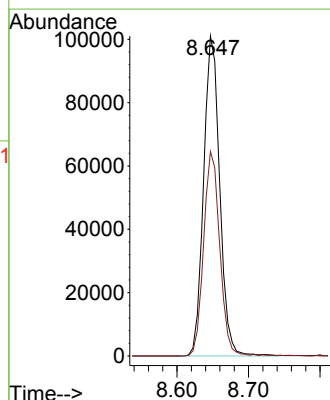
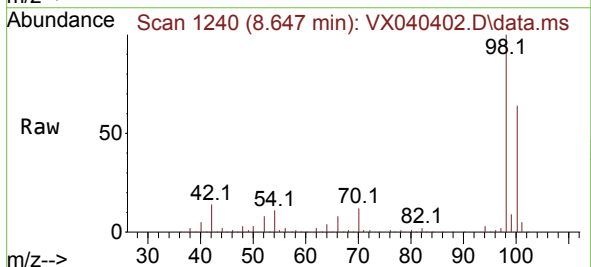
Instrument :
MSVOA_X
ClientSampleId :

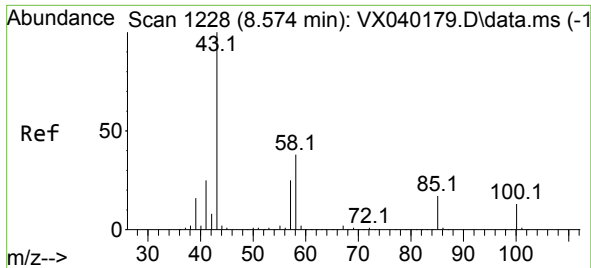
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 37.0 0.0 0.0#
58 37.0 60.1 90.1#



#50
Toluene-d8
Concen: 47.088 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

Tgt Ion: 98 Resp: 158249
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

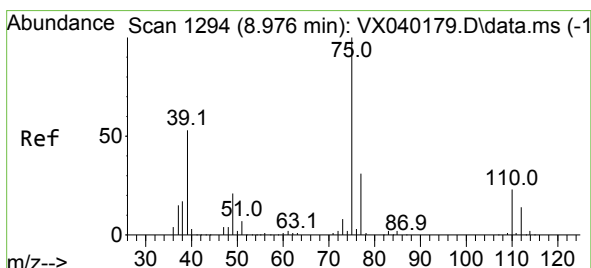
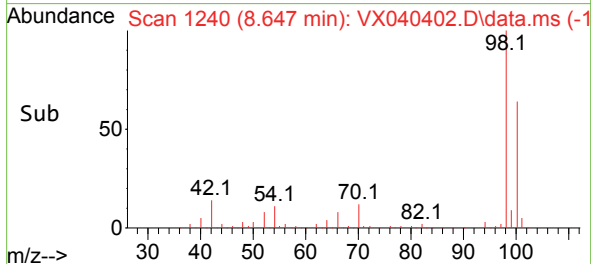
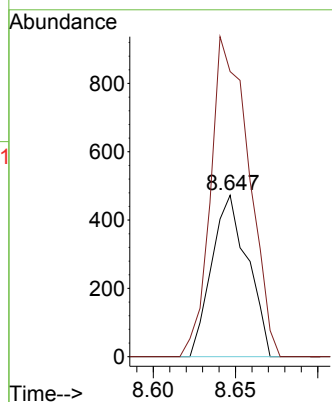
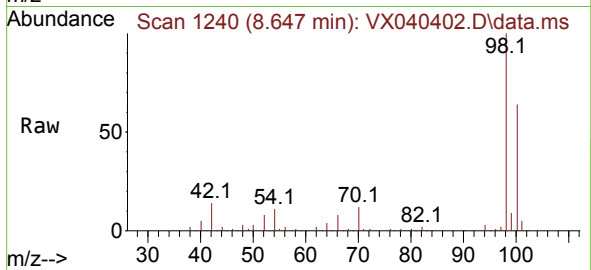




#51
4-Methyl-2-Pentanone
Concen: 0.482 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

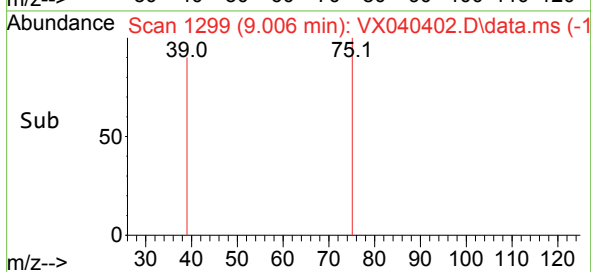
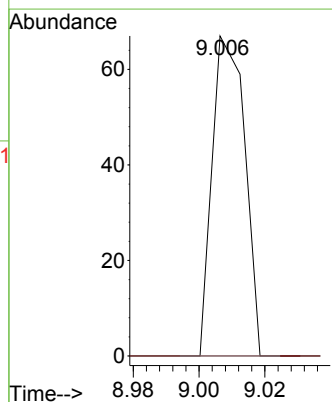
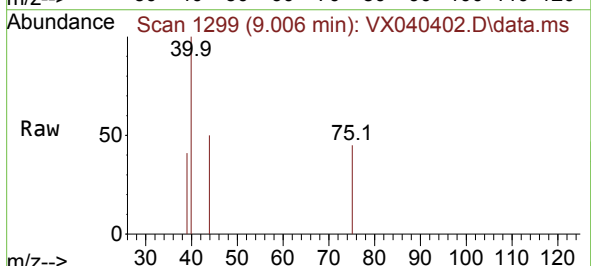
Instrument :
MSVOA_X
ClientSampleId :

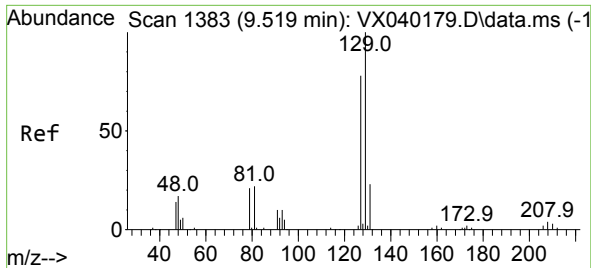
Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
58 210.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.987 ug/l
RT: 9.006 min Scan# 1299
Delta R.T. 0.030 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

Tgt Ion: 75 Resp: 46
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

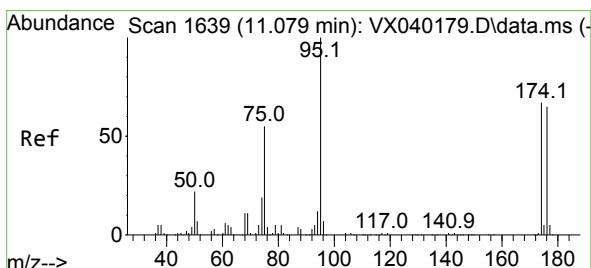
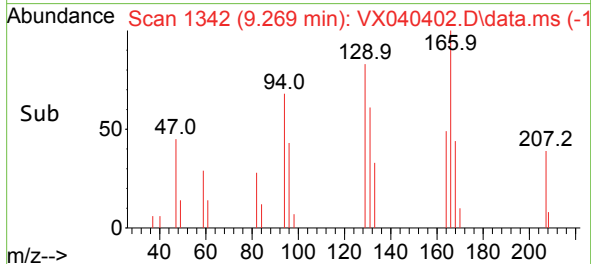
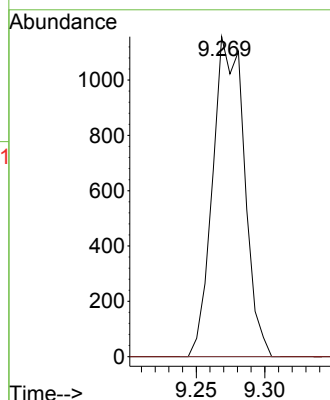
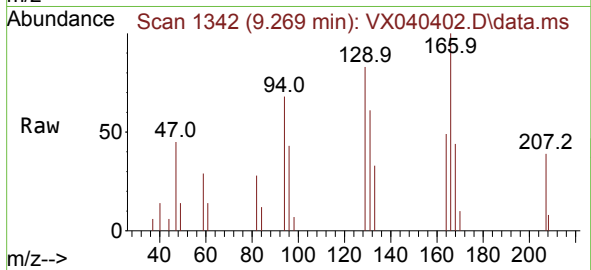




#60
Dibromochloromethane
Concen: 1.846 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

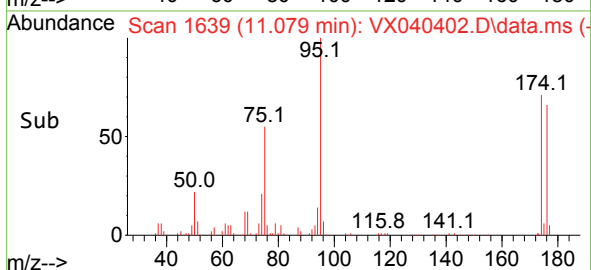
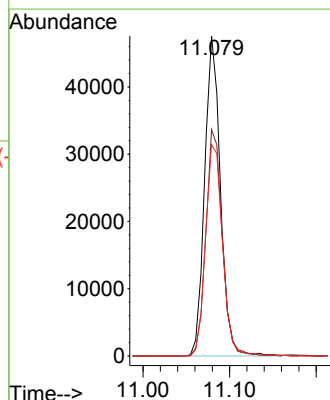
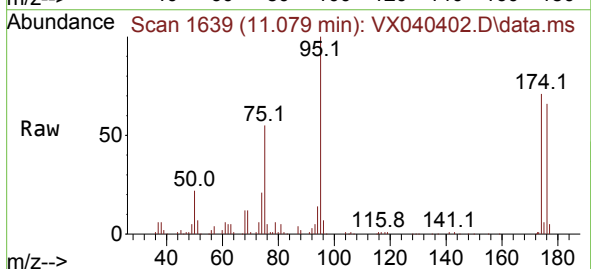
Instrument :
MSVOA_X
ClientSampleId :

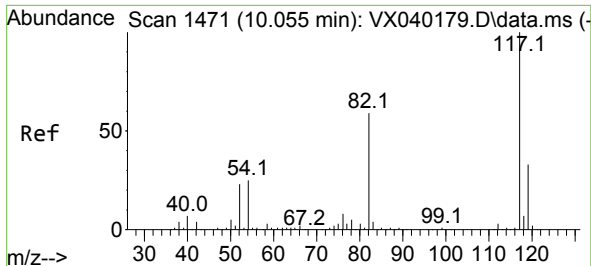
Tgt Ion:129 Resp: 1849
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 43.970 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

Tgt Ion: 95 Resp: 60267
Ion Ratio Lower Upper
95 100
174 73.5 0.0 135.6
176 71.0 0.0 131.0

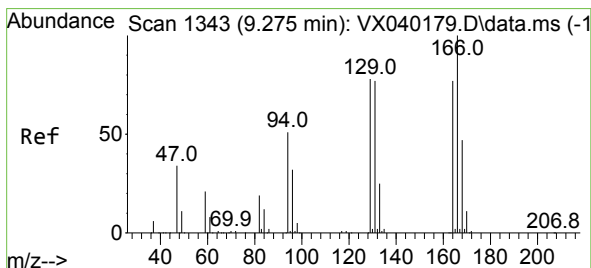
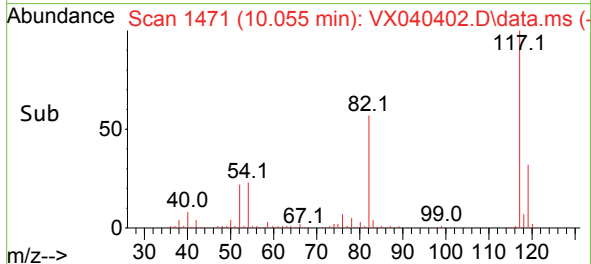
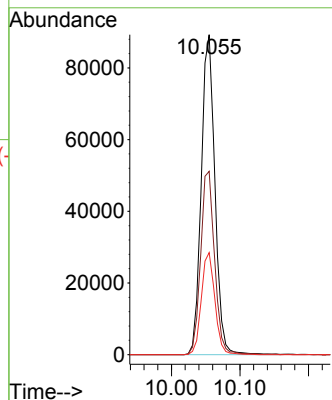
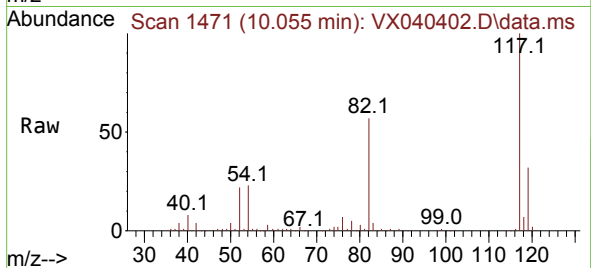




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

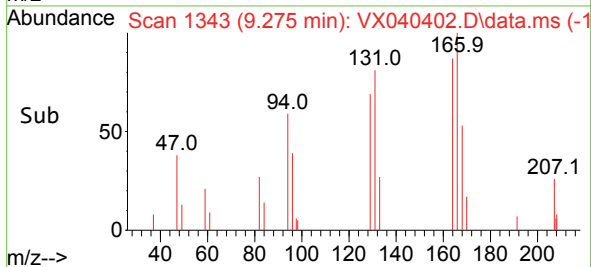
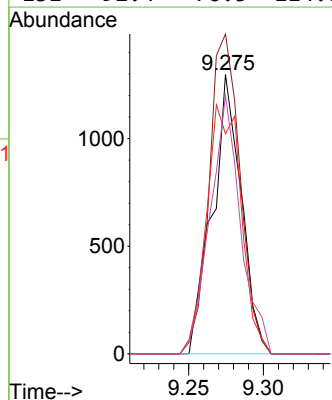
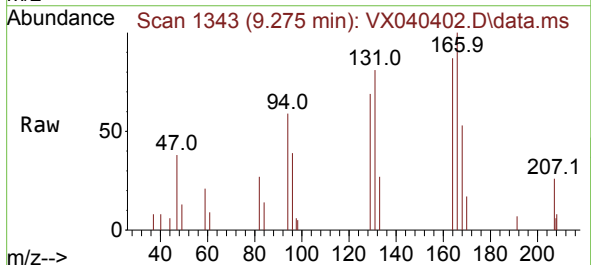
Instrument :
MSVOA_X
ClientSampleId :

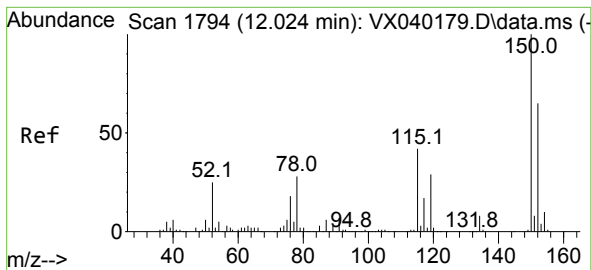
Tgt Ion:117 Resp: 124120
Ion Ratio Lower Upper
117 100
82 57.3 46.2 69.4
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 2.019 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

Tgt Ion:164 Resp: 1756
Ion Ratio Lower Upper
164 100
166 114.6 102.7 154.1
129 78.8 80.4 120.6#
131 92.4 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX040402.D

Acq: 22 Feb 2024 15:26

Instrument :

MSVOA_X

ClientSampleId :

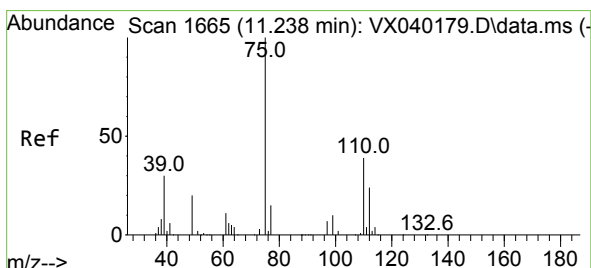
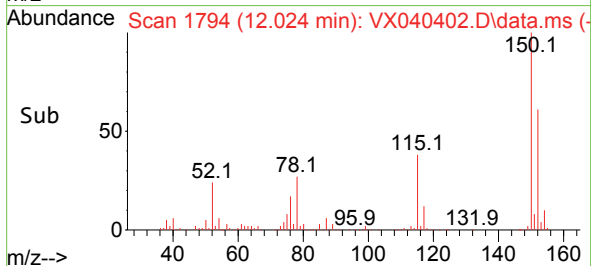
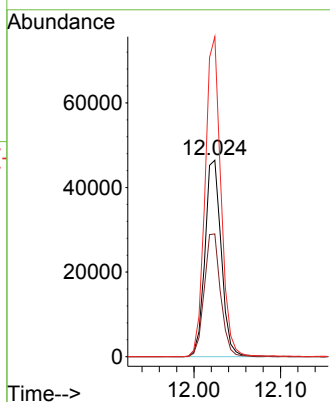
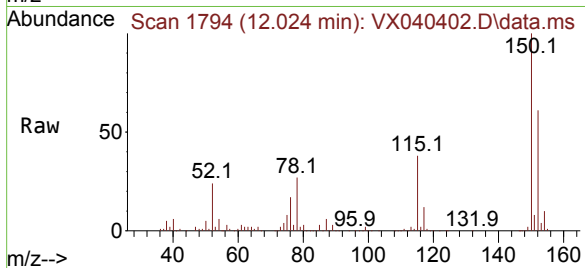
Tgt Ion:152 Resp: 60728

Ion Ratio Lower Upper

152 100

115 62.7 43.3 129.9

150 158.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.823 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040402.D

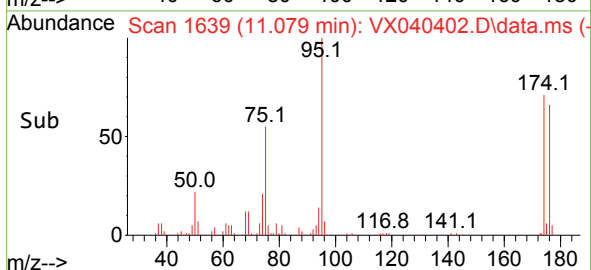
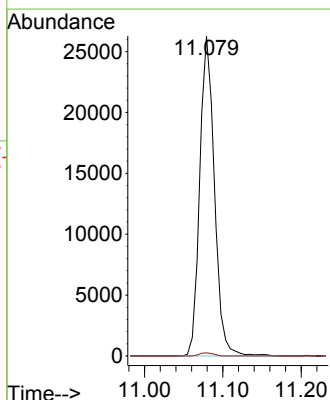
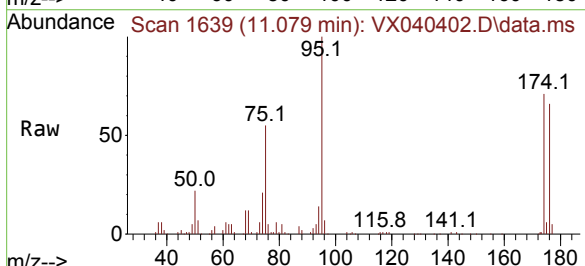
Acq: 22 Feb 2024 15:26

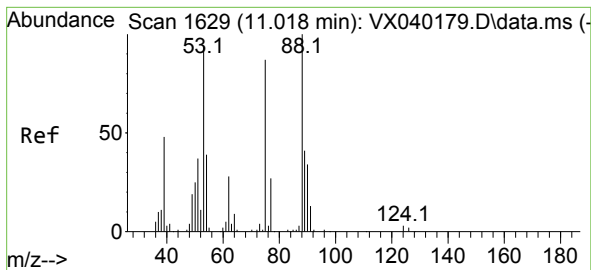
Tgt Ion: 75 Resp: 34216

Ion Ratio Lower Upper

75 100

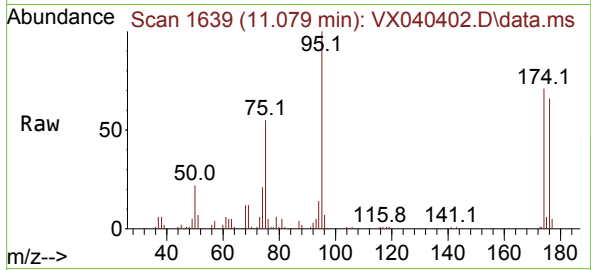
77 0.9 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 76.134 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040402.D
Acq: 22 Feb 2024 15:26

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 34216
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

