

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022224\
 Data File : VX040401.D
 Acq On : 22 Feb 2024 15:03
 Operator : JC/MD
 Sample : P1520-10DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

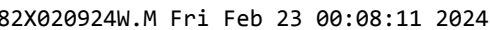
Instrument :
 MSVOA_X
 ClientSampleId :

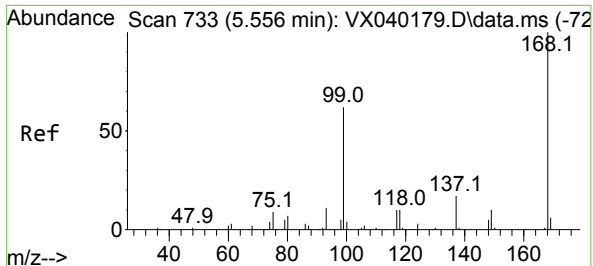
Quant Time: Feb 23 00:08:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	72470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	127701	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57047	52.912	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.820%
35) Dibromofluoromethane	5.385	113	42920	48.128	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.260%
50) Toluene-d8	8.647	98	157968	47.353	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.700%
62) 4-Bromofluorobenzene	11.079	95	60710	44.622	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.240%
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	2.331	101	465	0.605	ug/l #	67
11) Tert butyl alcohol	2.953	59	159	0.757	ug/l #	78
16) Acetone	2.374	43	344	0.777	ug/l	93
17) Carbon Disulfide	2.514	76	527	0.270	ug/l #	76
20) Methylene Chloride	2.794	84	348	Below Cal	#	52
27) cis-1,2-Dichloroethene	4.495	96	329	0.342	ug/l	72
31) Cyclohexane	5.556	56	1986	1.544	ug/l #	51
36) 1,1-Dichloropropene	5.556	75	7093	5.678	ug/l #	51
38) Carbon Tetrachloride	5.556	117	8049	6.776	ug/l #	17
39) Methylcyclohexane	7.123	83	467	0.322	ug/l #	21
44) Trichloroethene	7.123	130	29144	30.243	ug/l	93
51) 4-Methyl-2-Pentanone	8.641	43	817	0.551	ug/l #	1
60) Dibromochloromethane	9.269	129	1626	1.635	ug/l #	11
64) Tetrachloroethene	9.281	164	1696	1.976	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	33925	27.631	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	33925	75.631	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	365	0.276	ug/l	70
94) Hexachlorobutadiene	13.725	225	119	0.225	ug/l #	18
95) Naphthalene	13.780	128	878	0.210	ug/l #	73
96) 1,2,3-Trichlorobenzene	13.963	180	296	0.234	ug/l	84

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

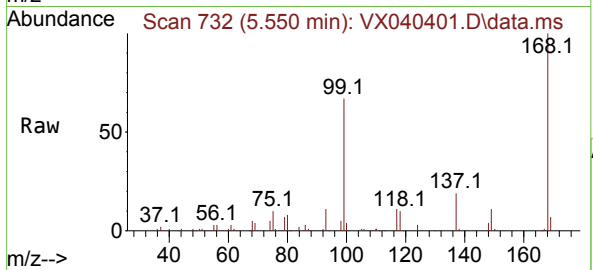
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration



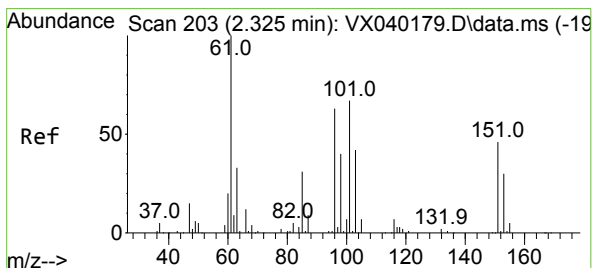
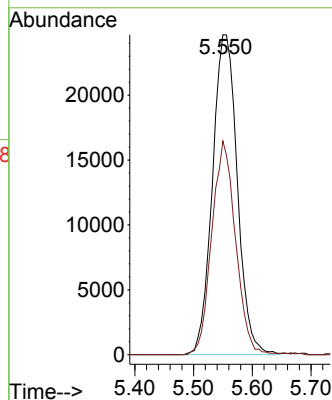
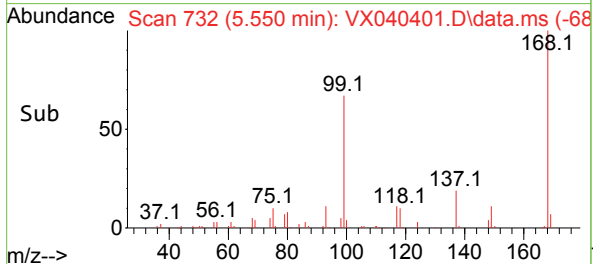


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

Instrument :
MSVOA_X
ClientSampleId :

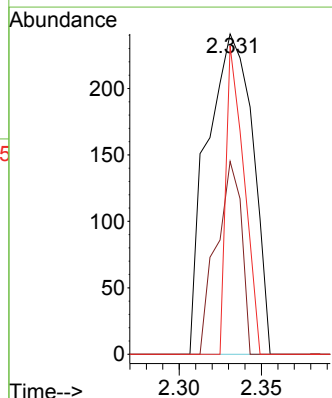
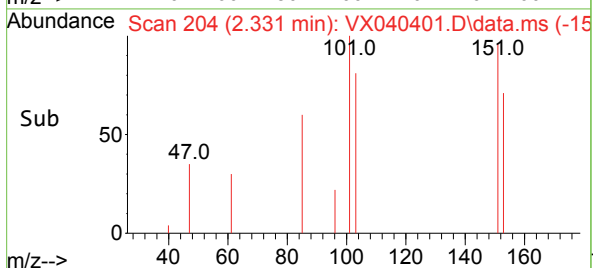
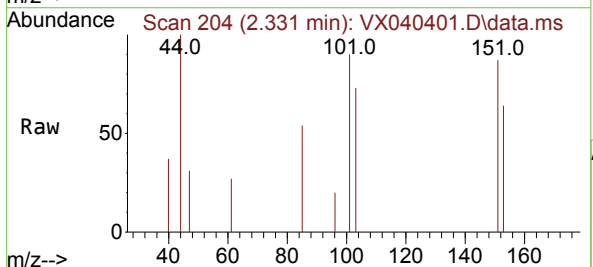


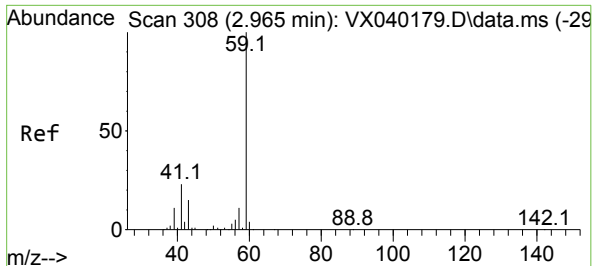
Tgt Ion:168 Resp: 72470
Ion Ratio Lower Upper
168 100
99 66.8 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.605 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

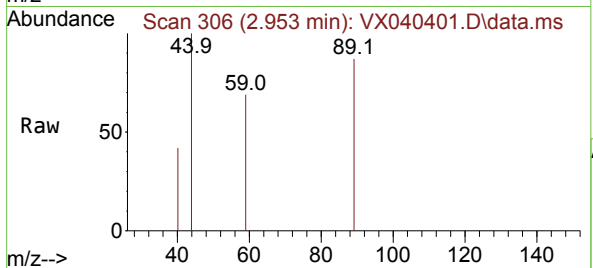
Tgt Ion:101 Resp: 465
Ion Ratio Lower Upper
101 100
85 33.1 37.0 55.6#
151 38.1 58.6 87.8#



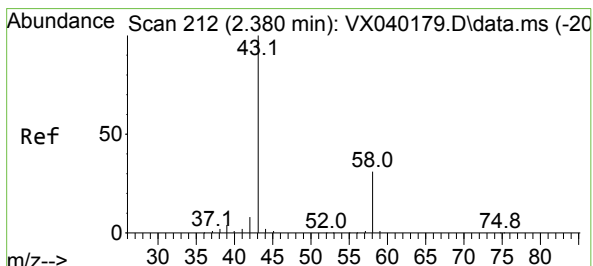
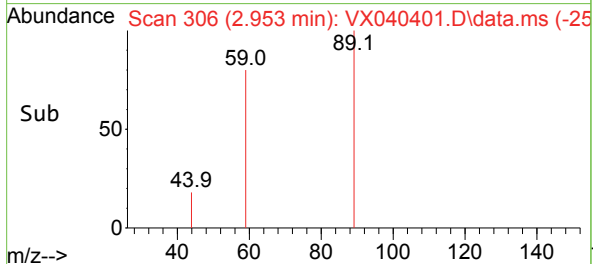
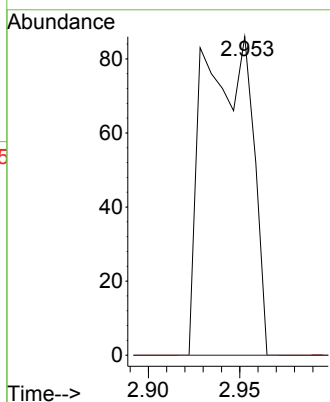


#11
Tert butyl alcohol
Concen: 0.757 ug/l
RT: 2.953 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

Instrument :
MSVOA_X
ClientSampleId :

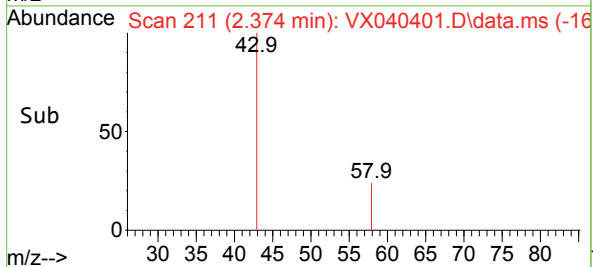
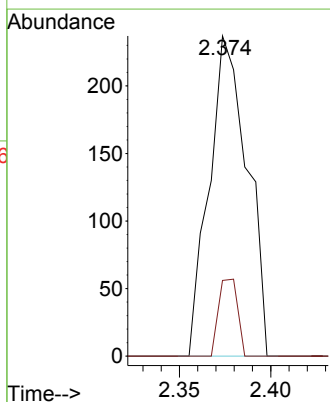
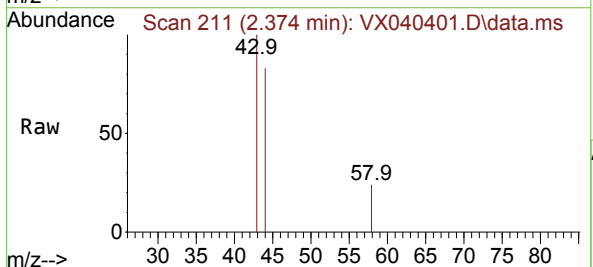


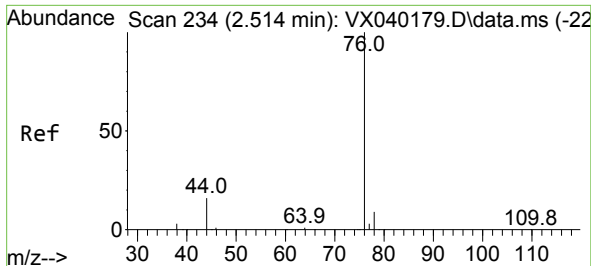
Tgt Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 0.777 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

Tgt Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
58 23.6 21.9 32.9





#17

Carbon Disulfide

Concen: 0.270 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040401.D

Acq: 22 Feb 2024 15:03

Instrument :

MSVOA_X

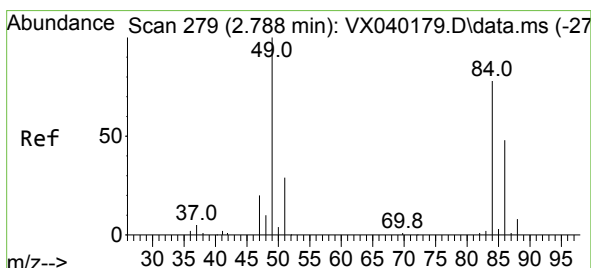
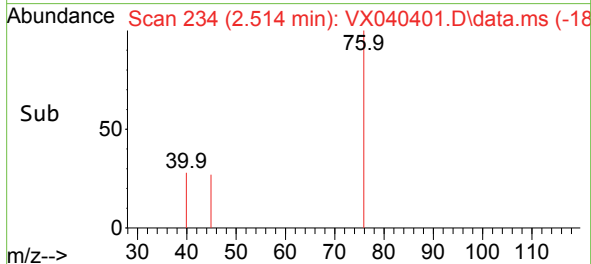
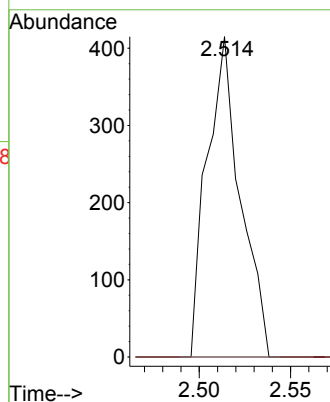
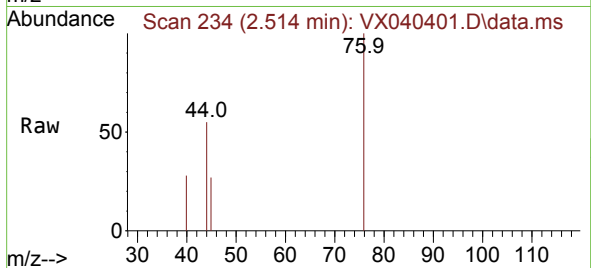
ClientSampleId :

Tgt Ion: 76 Resp: 527

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040401.D

Acq: 22 Feb 2024 15:03

Tgt Ion: 84 Resp: 348

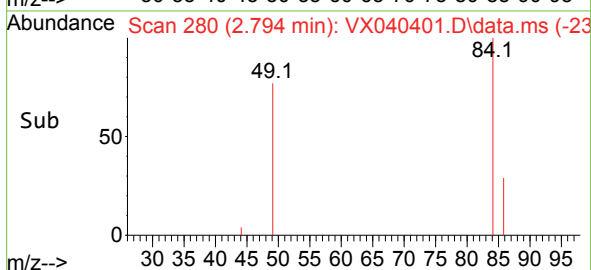
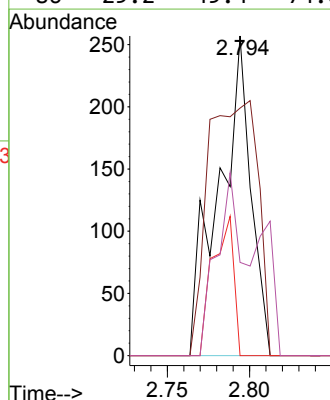
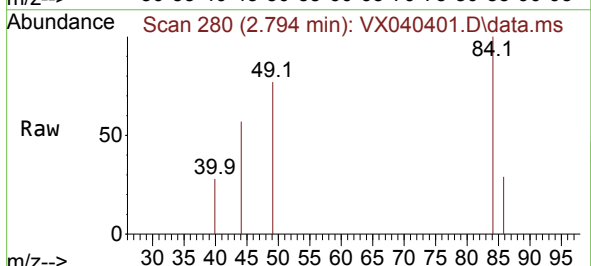
Ion Ratio Lower Upper

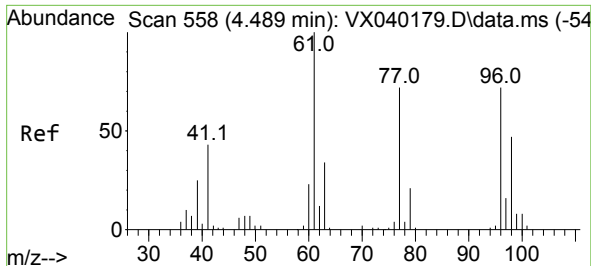
84 100

49 77.4 103.6 155.4#

51 0.0 33.8 50.6#

86 29.2 49.4 74.0#





#27

cis-1,2-Dichloroethene

Concen: 0.342 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX040401.D

Acq: 22 Feb 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

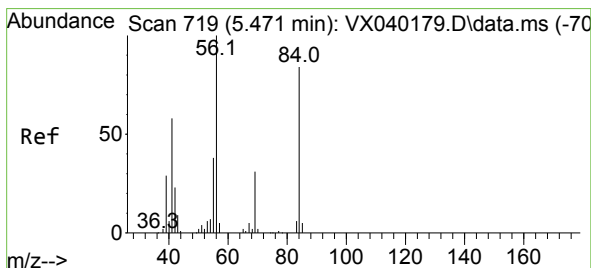
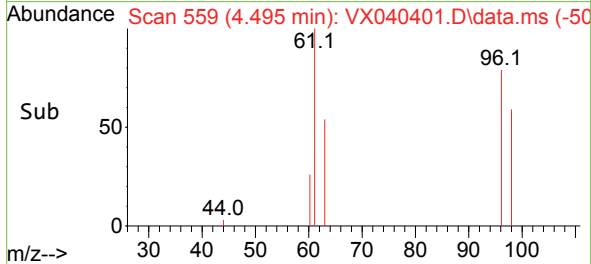
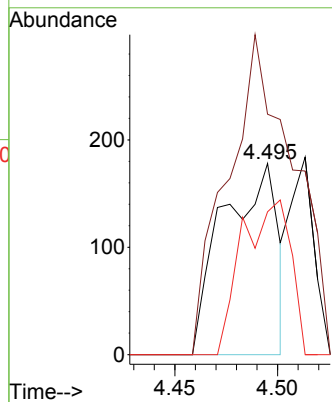
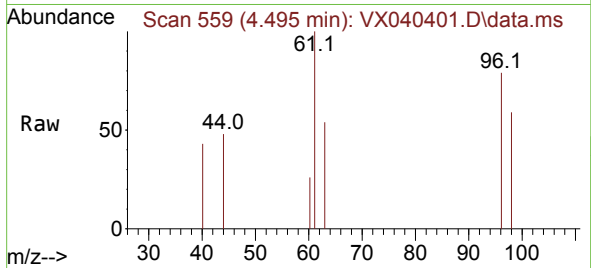
Tgt Ion: 96 Resp: 329

Ion Ratio Lower Upper

96 100

61 202.1 0.0 312.2

98 72.0 0.0 129.0



#31

Cyclohexane

Concen: 1.544 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX040401.D

Acq: 22 Feb 2024 15:03

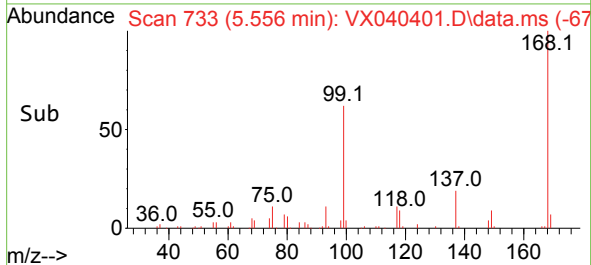
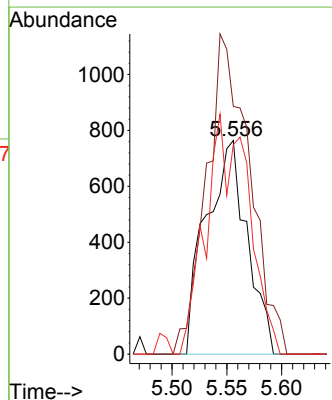
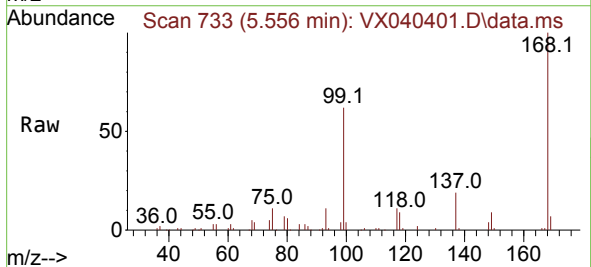
Tgt Ion: 56 Resp: 1986

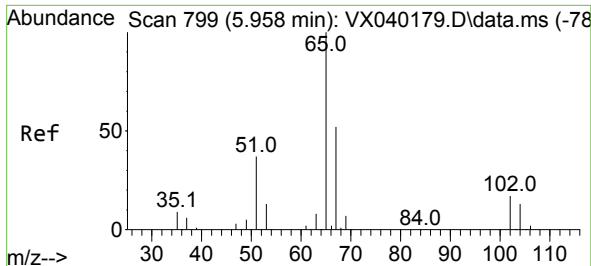
Ion Ratio Lower Upper

56 100

69 104.2 23.4 35.2#

84 98.0 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 52.912 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX040401.D

Acq: 22 Feb 2024 15:03

Instrument :

MSVOA_X

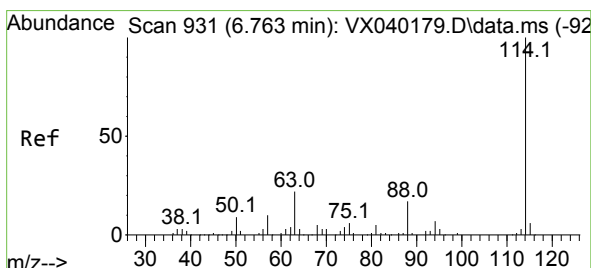
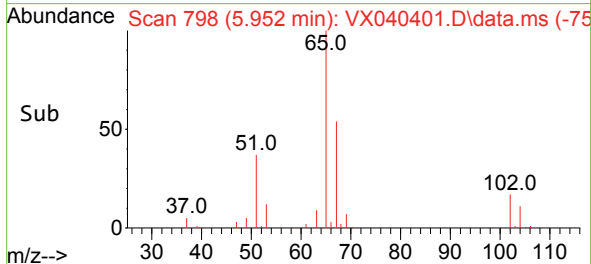
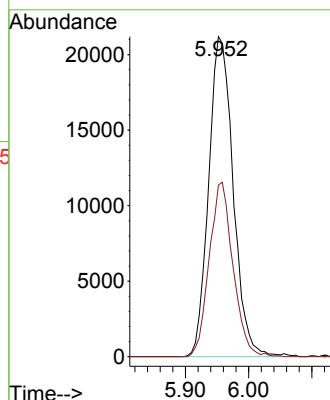
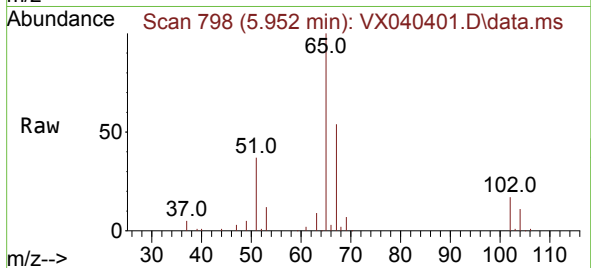
ClientSampleId :

Tgt Ion: 65 Resp: 57047

Ion Ratio Lower Upper

65 100

67 52.9 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: VX040401.D

Acq: 22 Feb 2024 15:03

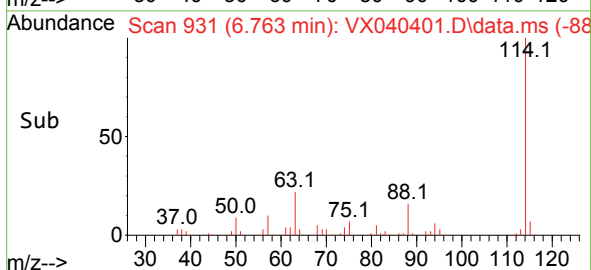
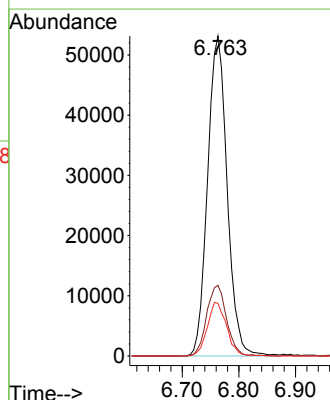
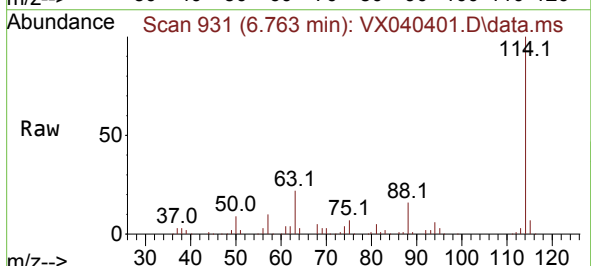
Tgt Ion: 114 Resp: 127701

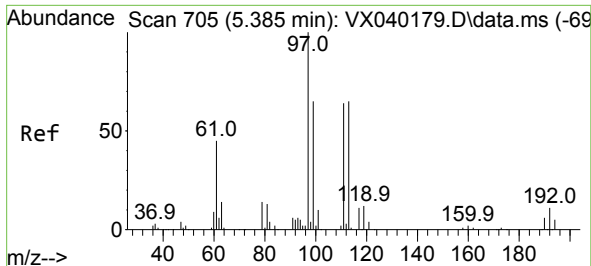
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

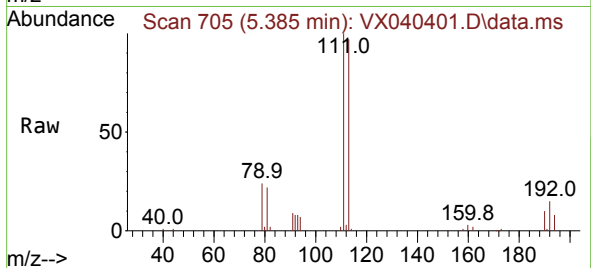
88 16.4 0.0 36.6



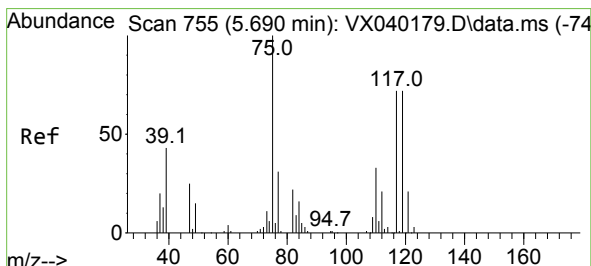
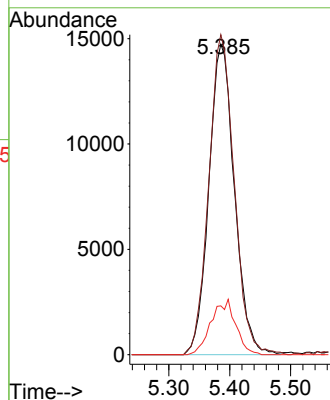
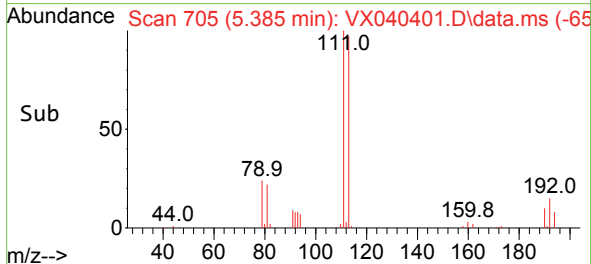


#35
Dibromofluoromethane
Concen: 48.128 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

Instrument :
MSVOA_X
ClientSampleId :

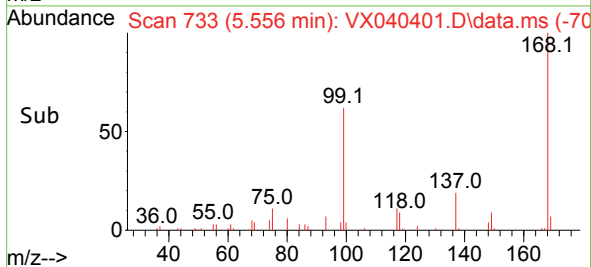
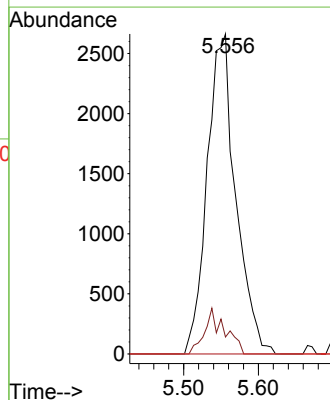
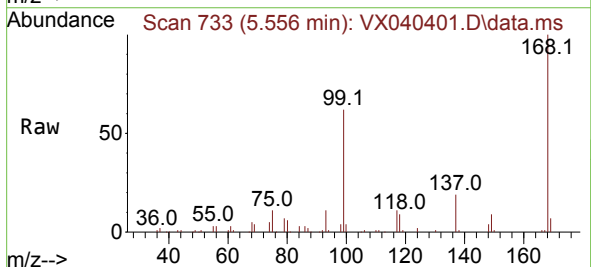


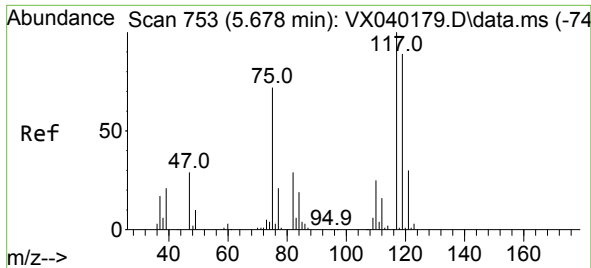
Tgt Ion:113 Resp: 42920
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 17.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.678 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

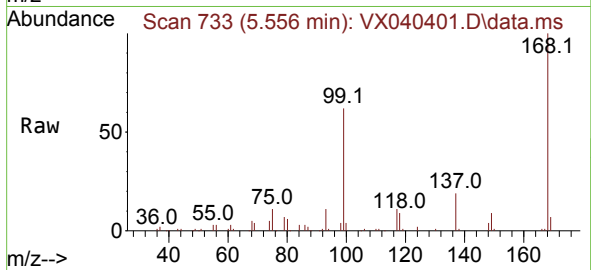
Tgt Ion: 75 Resp: 7093
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



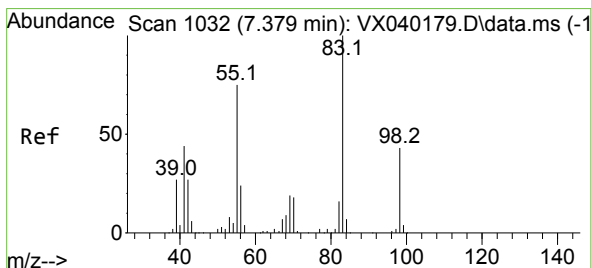
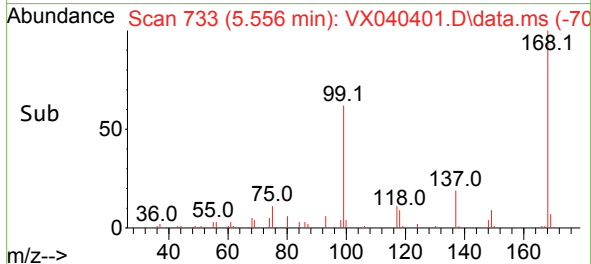
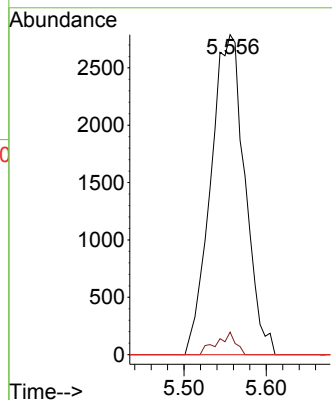


#38
Carbon Tetrachloride
Concen: 6.776 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

Instrument :
MSVOA_X
ClientSampleId :

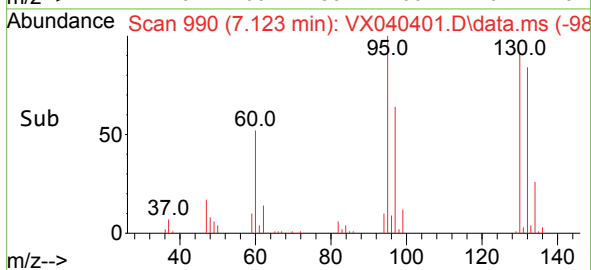
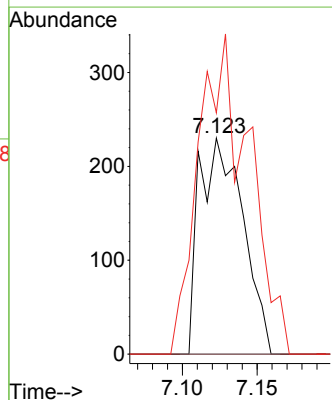
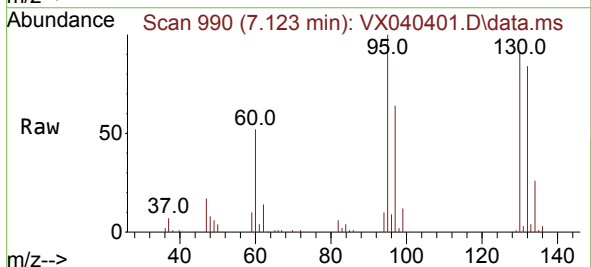


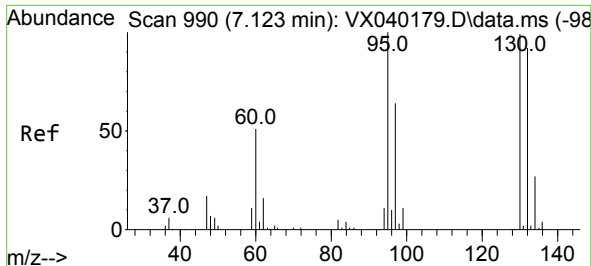
Tgt Ion:117 Resp: 8049
Ion Ratio Lower Upper
117 100
119 7.0 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.322 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

Tgt Ion: 83 Resp: 467
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 84.8 36.7 55.1#

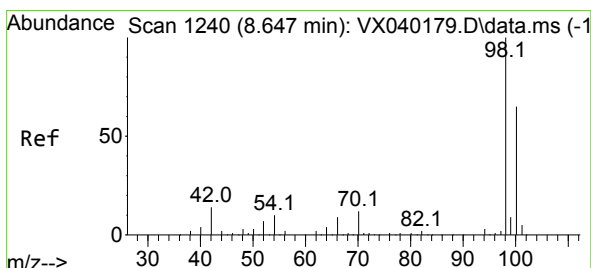
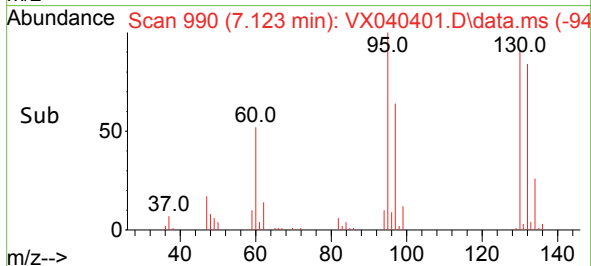
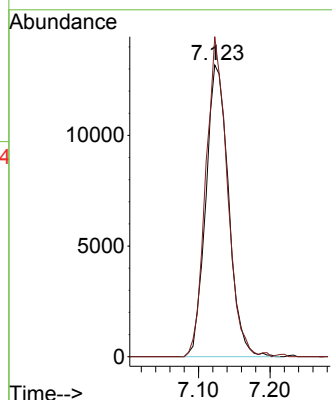
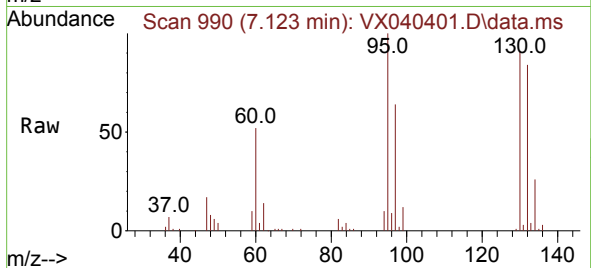




#44
Trichloroethene
Concen: 30.243 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

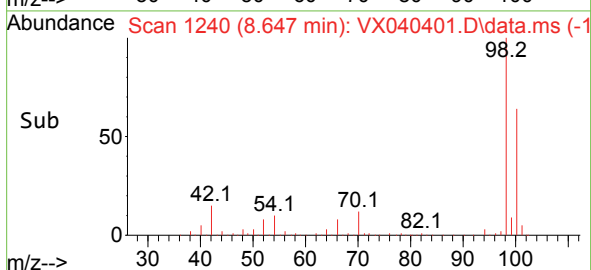
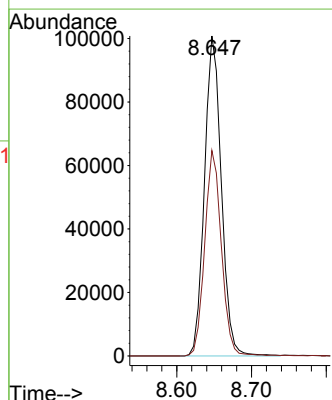
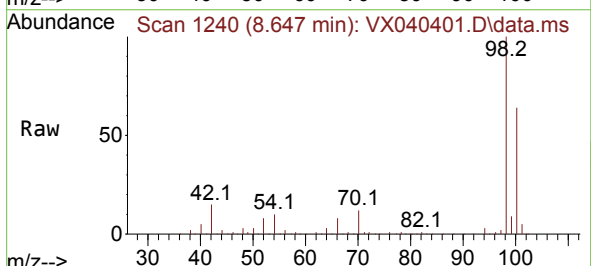
Instrument :
MSVOA_X
ClientSampleId :

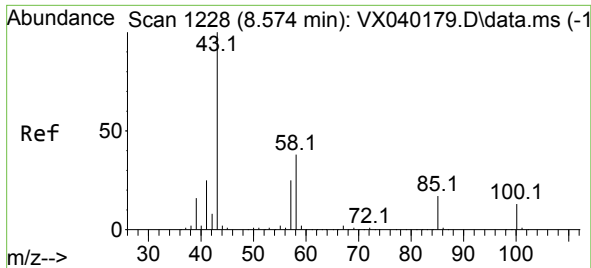
Tgt Ion:130 Resp: 29144
Ion Ratio Lower Upper
130 100
95 109.7 0.0 204.4



#50
Toluene-d8
Concen: 47.353 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

Tgt Ion: 98 Resp: 157968
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7

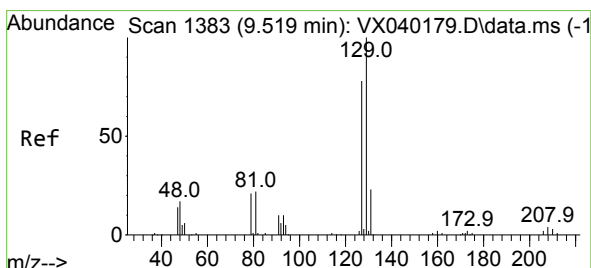
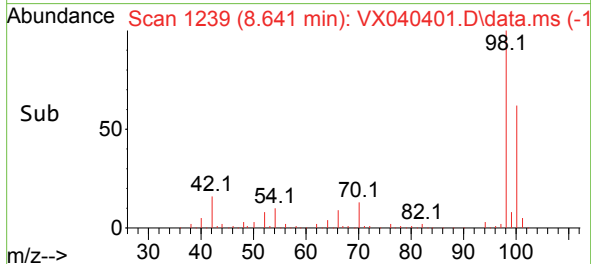
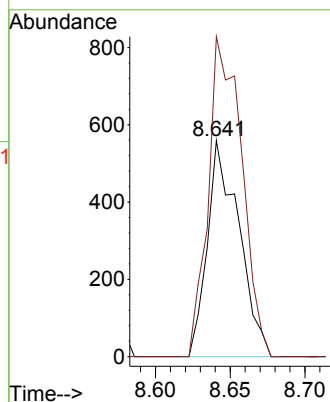
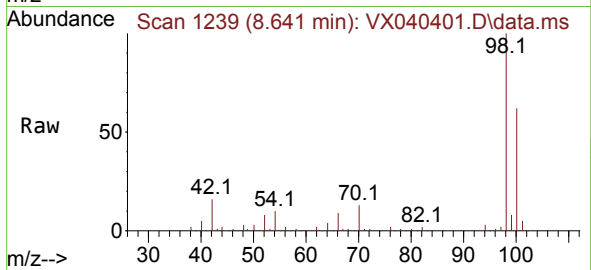




#51
4-Methyl-2-Pentanone
Concen: 0.551 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

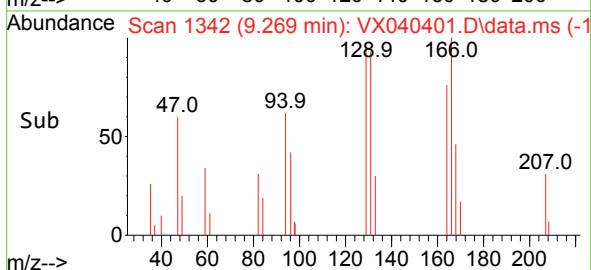
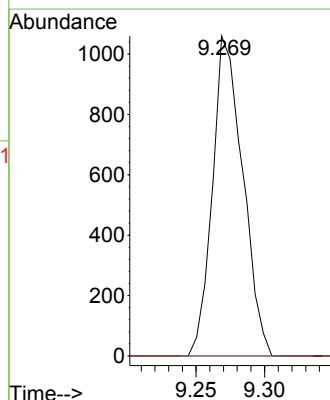
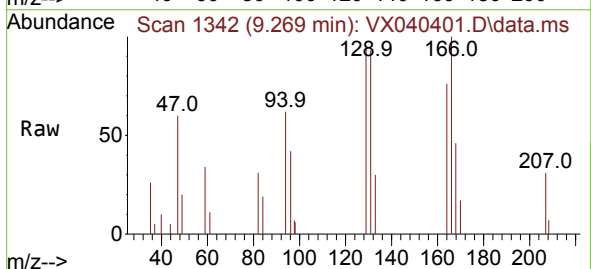
Instrument :
MSVOA_X
ClientSampleId :

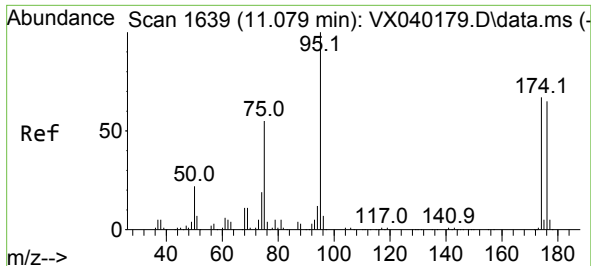
Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 157.5 30.4 45.6#



#60
Dibromochloromethane
Concen: 1.635 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

Tgt Ion: 129 Resp: 1626
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

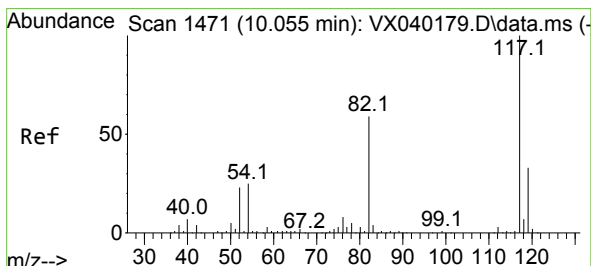
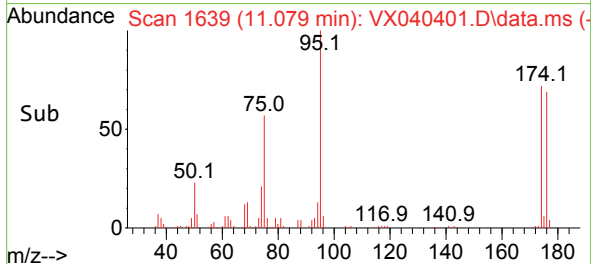
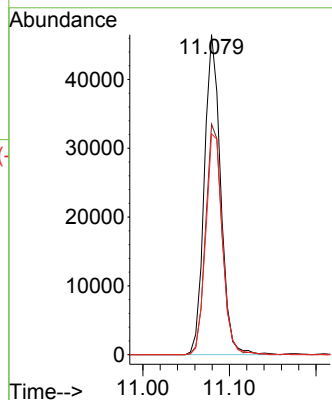
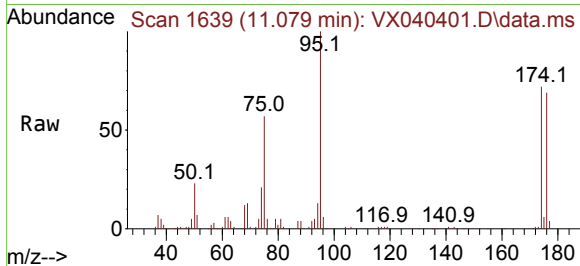




#62
4-Bromofluorobenzene
Concen: 44.622 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

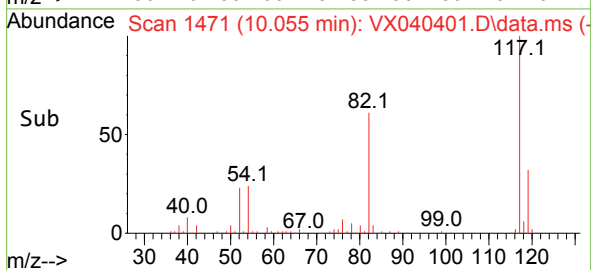
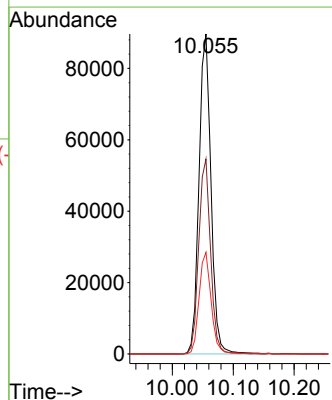
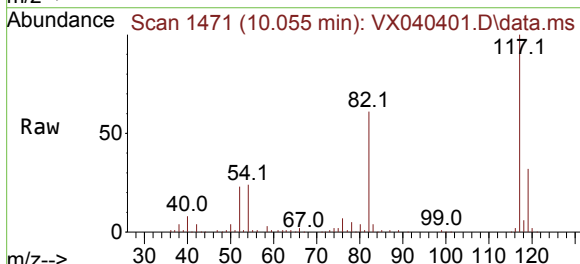
Instrument :
MSVOA_X
ClientSampleId :

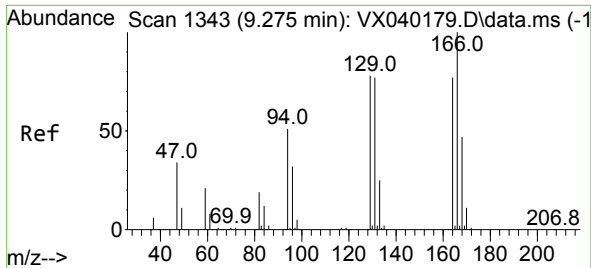
Tgt Ion: 95 Resp: 60710
Ion Ratio Lower Upper
95 100
174 73.0 0.0 135.6
176 71.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

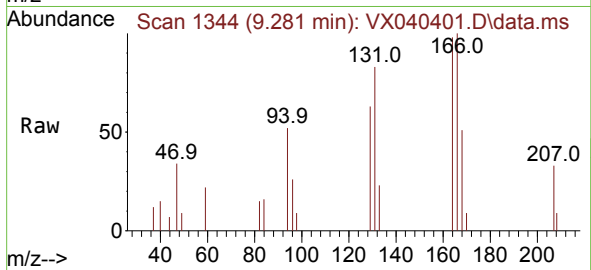
Tgt Ion: 117 Resp: 122500
Ion Ratio Lower Upper
117 100
82 60.9 46.2 69.4
119 31.8 25.5 38.3



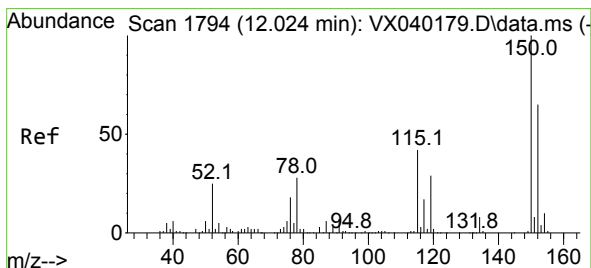
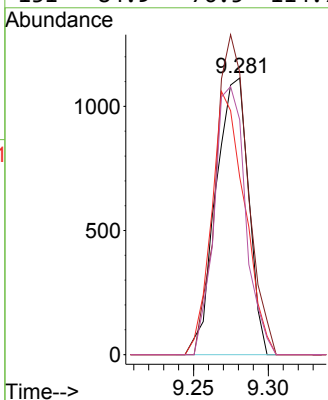
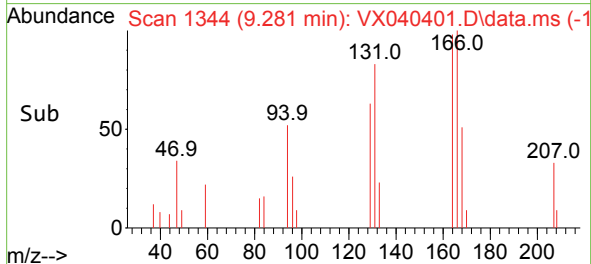


#64
Tetrachloroethene
Concen: 1.976 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

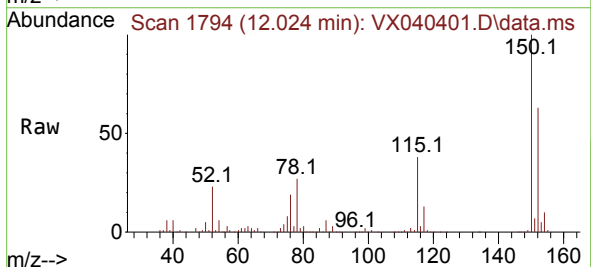
Instrument :
MSVOA_X
ClientSampleId :



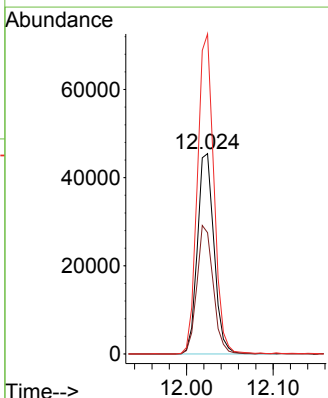
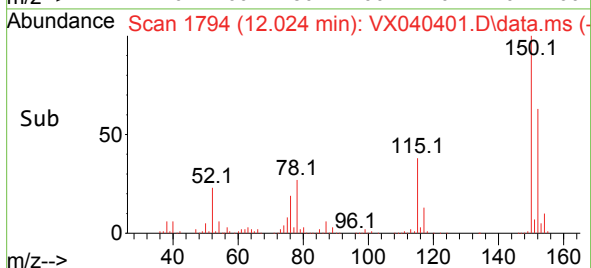
Tgt Ion:164 Resp: 1696
Ion Ratio Lower Upper
164 100
166 102.1 102.7 154.1#
129 64.2 80.4 120.6#
131 84.9 76.5 114.7

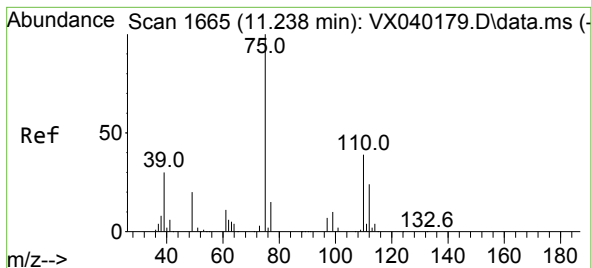


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03



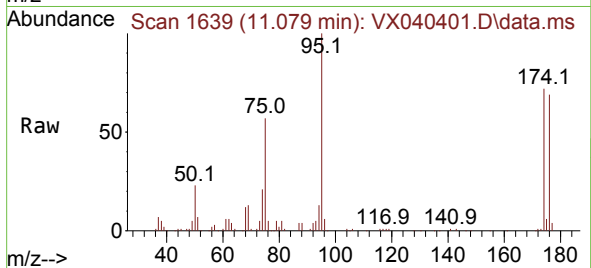
Tgt Ion:152 Resp: 60631
Ion Ratio Lower Upper
152 100
115 62.9 43.3 129.9
150 158.3 0.0 345.0



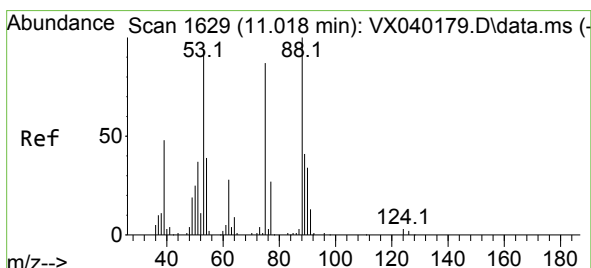
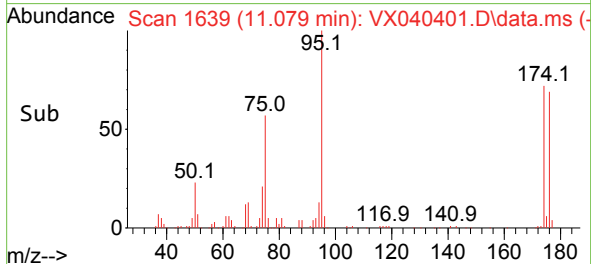
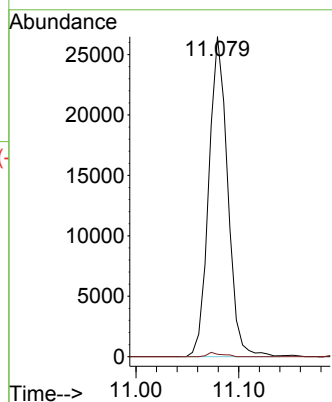


#76
1,2,3-Trichloropropane
Concen: 27.631 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

Instrument :
MSVOA_X
ClientSampleId :

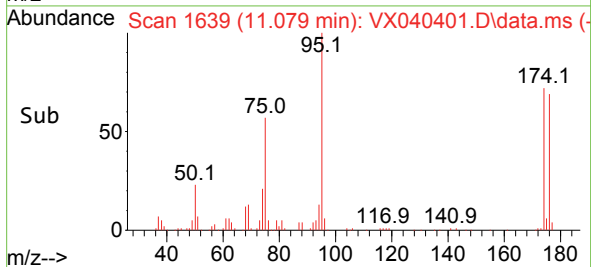
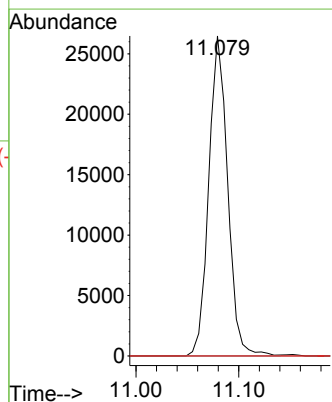
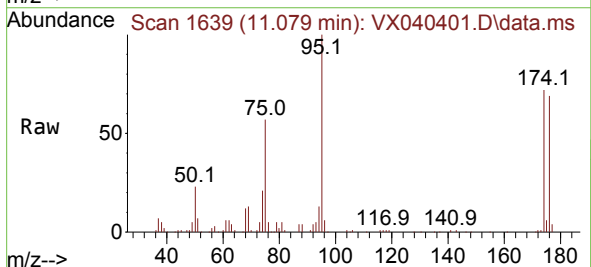


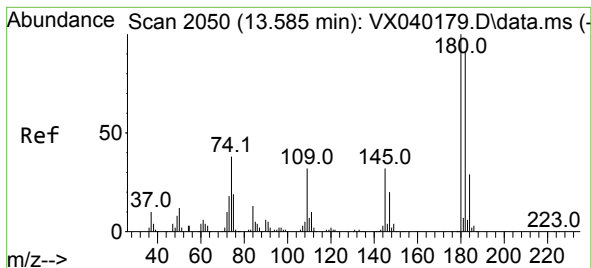
Tgt Ion: 75 Resp: 33925
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.631 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040401.D
Acq: 22 Feb 2024 15:03

Tgt Ion: 75 Resp: 33925
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: 0.276 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040401.D

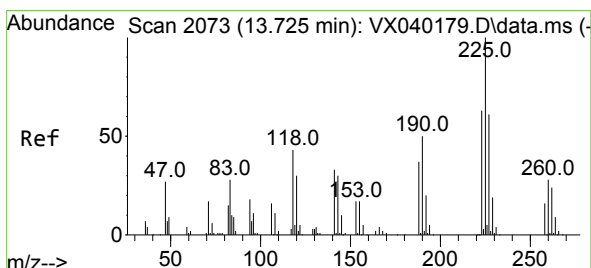
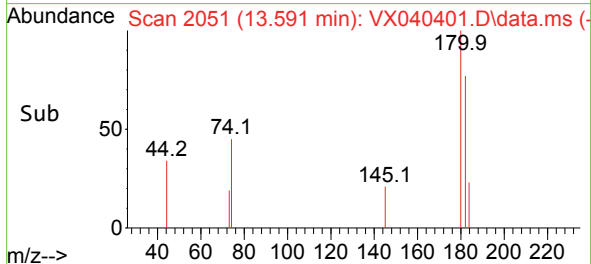
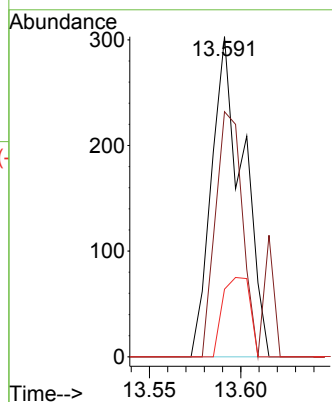
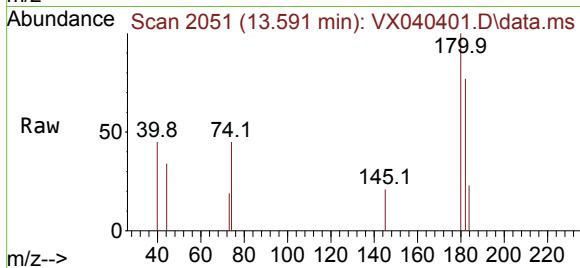
Acq: 22 Feb 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	365
Ion	Ratio	Lower Upper
180	100	
182	64.9	48.3 144.8
145	21.4	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.225 ug/l

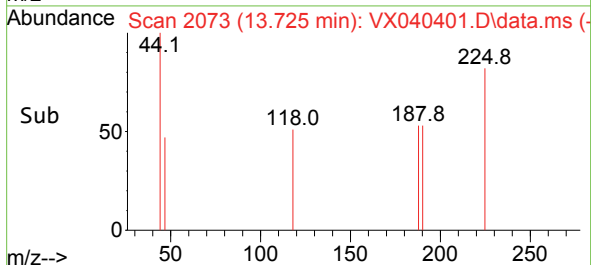
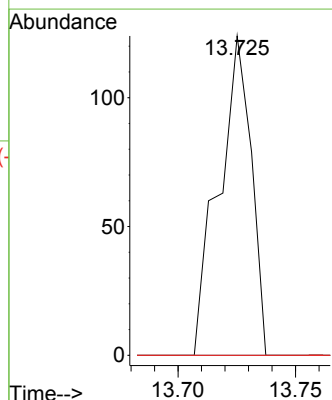
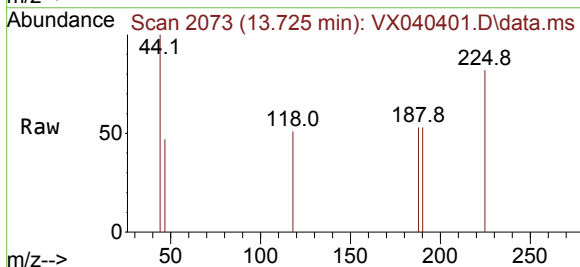
RT: 13.725 min Scan# 2073

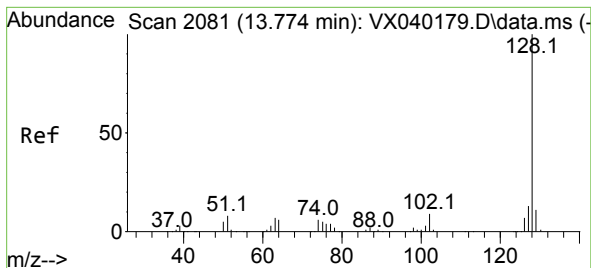
Delta R.T. 0.000 min

Lab File: VX040401.D

Acq: 22 Feb 2024 15:03

Tgt Ion:225	Resp:	119
Ion	Ratio	Lower Upper
225	100	
223	0.0	31.1 93.2#
227	0.0	32.5 97.5#





#95

Naphthalene

Concen: 0.210 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX040401.D

Acq: 22 Feb 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

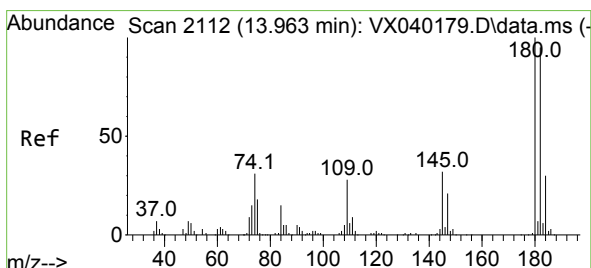
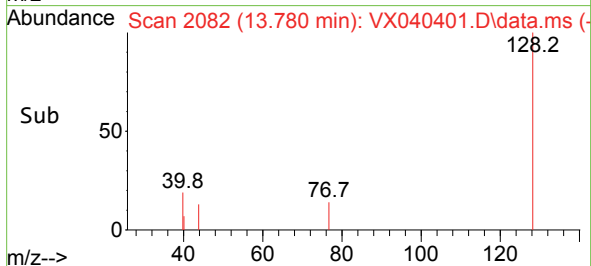
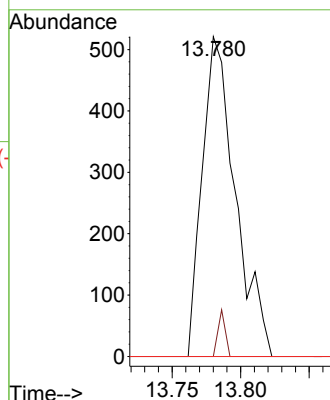
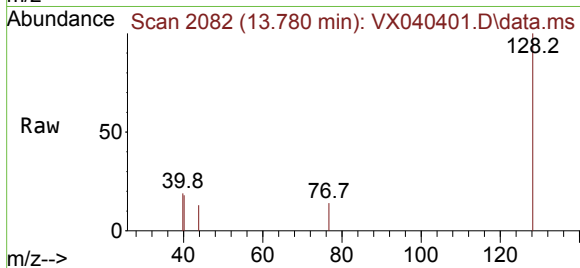
Tgt Ion:128 Resp: 878

Ion Ratio Lower Upper

128 100

127 3.2 10.3 15.5#

129 0.0 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.234 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX040401.D

Acq: 22 Feb 2024 15:03

Tgt Ion:180 Resp: 296

Ion Ratio Lower Upper

180 100

182 75.7 46.9 140.6

145 30.1 17.8 53.5

