

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082324\
 Data File : VX043097.D
 Acq On : 23 Aug 2024 11:01
 Operator : JC/MD
 Sample : P3706-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 00:46:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 08:42:59 2024
 Response via : Initial Calibration

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

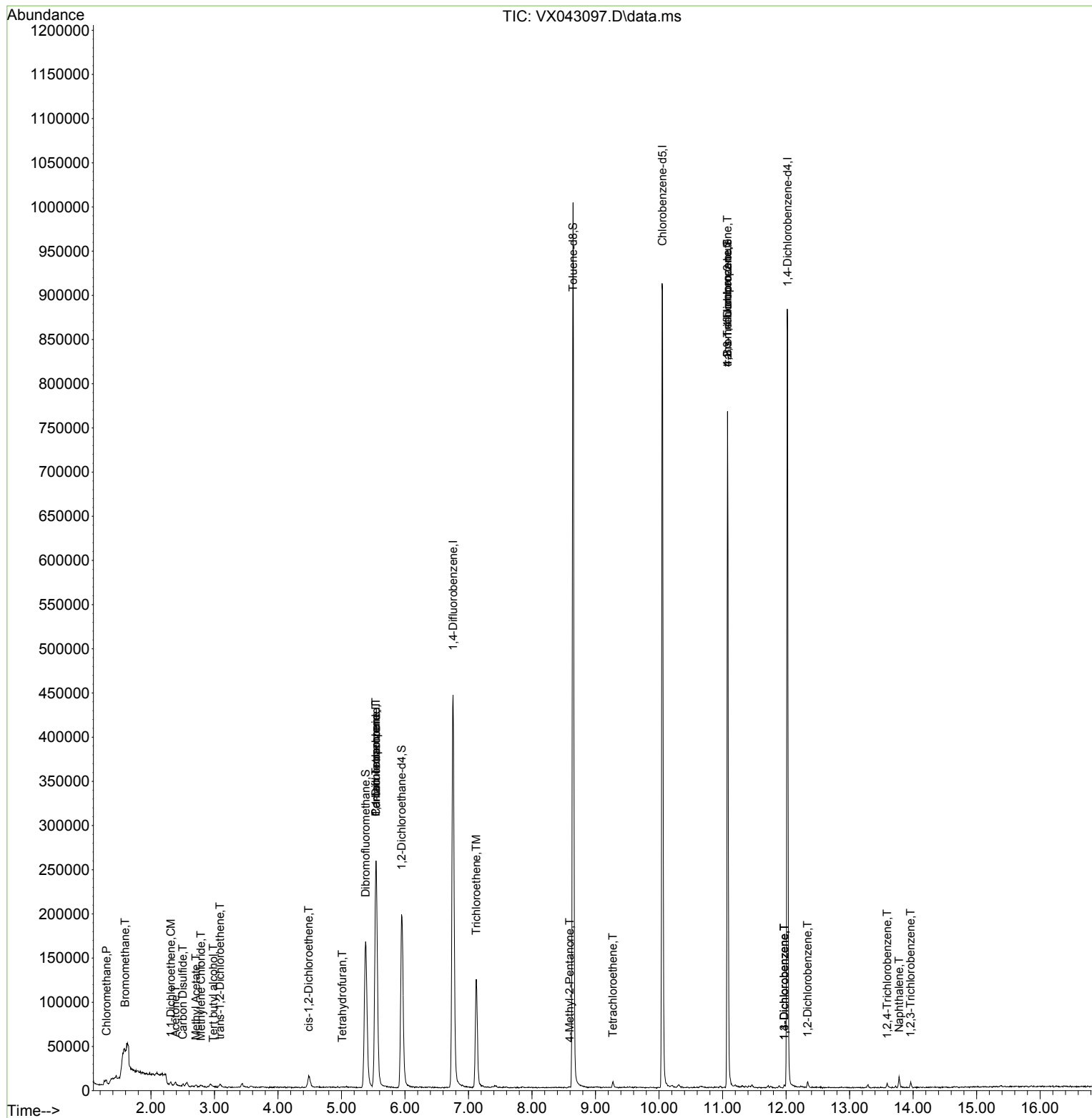
Internal Standards						
1) Pentafluorobenzene	5.543	168	238804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	457765	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	407505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	187393	47.739	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.480%
35) Dibromofluoromethane	5.379	113	146274	46.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.620%
50) Toluene-d8	8.647	98	576707	50.634	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.260%
62) 4-Bromofluorobenzene	11.079	95	192998	48.685	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.360%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	2056	0.642	ug/l	93
5) Bromomethane	1.593	94	1506	0.745	ug/l #	77
11) Tert butyl alcohol	2.983	59	606	0.745	ug/l #	50
12) 1,1-Dichloroethene	2.312	96	981	0.350	ug/l #	71
13) Acrolein	2.233	56	1071	Below Cal	#	52
16) Acetone	2.386	43	4686	2.720	ug/l #	76
17) Carbon Disulfide	2.501	76	3006	0.416	ug/l #	76
18) Methyl Acetate	2.709	43	3531	0.646	ug/l	91
20) Methylene Chloride	2.788	84	1157	0.347	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	886	0.307	ug/l #	81
27) cis-1,2-Dichloroethene	4.483	96	8093	2.243	ug/l	84
29) Tetrahydrofuran	5.013	42	487	0.280	ug/l #	55
36) 1,1-Dichloropropene	5.543	75	21439	5.358	ug/l #	49
38) Carbon Tetrachloride	5.543	117	25217	6.031	ug/l #	14
44) Trichloroethene	7.122	130	48949	16.492	ug/l	97
51) 4-Methyl-2-Pentanone	8.592	43	1085	0.202	ug/l #	37
64) Tetrachloroethene	9.274	164	1163	0.434	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	109874	26.537	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	109874	61.507	ug/l #	5
87) 1,3-Dichlorobenzene	11.969	146	1268	0.214	ug/l	84
88) 1,4-Dichlorobenzene	11.969	146	1268	0.213	ug/l	84
91) 1,2-Dichlorobenzene	12.341	146	1365	0.229	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	1393	0.430	ug/l	82
95) Naphthalene	13.780	128	8392	0.663	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	1492	0.439	ug/l	98

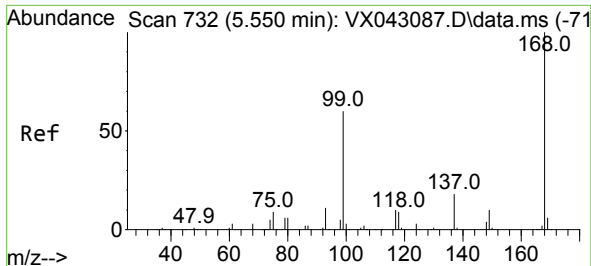
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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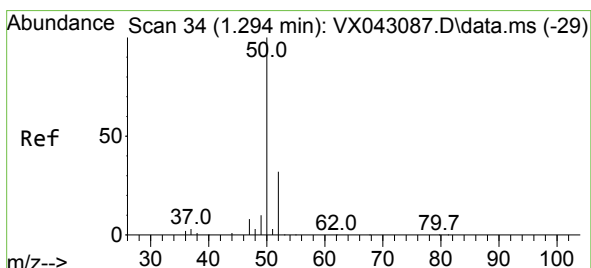
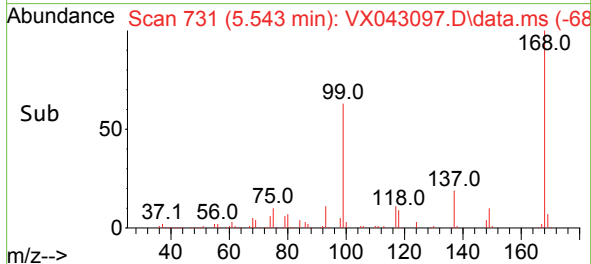
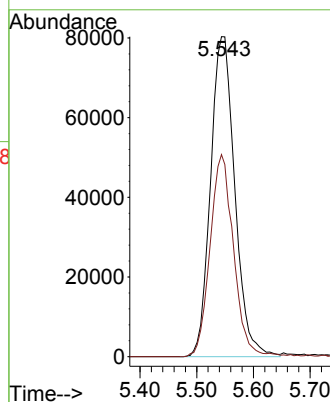
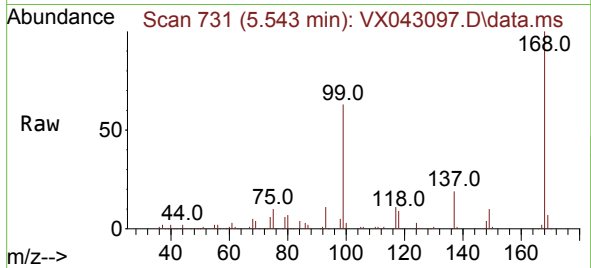




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

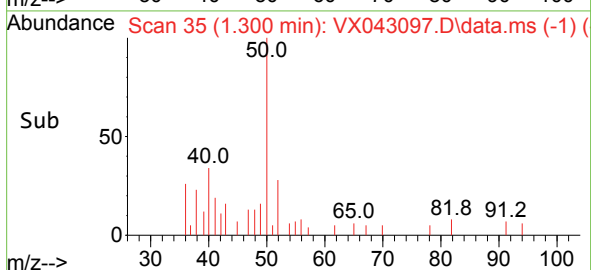
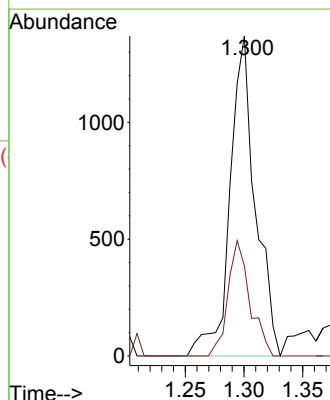
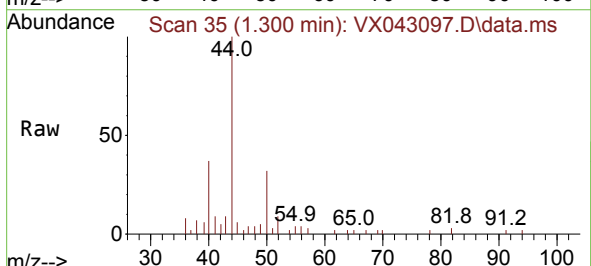
Instrument :
MSVOA_X
ClientSampleId :

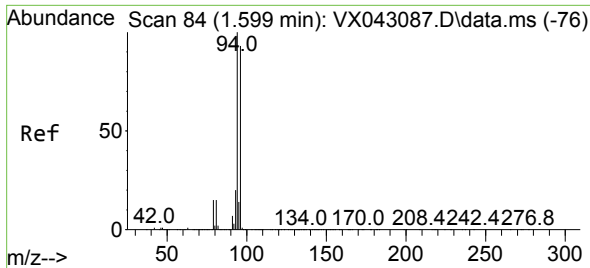
Tgt Ion:168 Resp: 238804
Ion Ratio Lower Upper
168 100
99 63.1 56.6 85.0



#3
Chloromethane
Concen: 0.642 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

Tgt Ion: 50 Resp: 2056
Ion Ratio Lower Upper
50 100
52 28.2 25.5 38.3

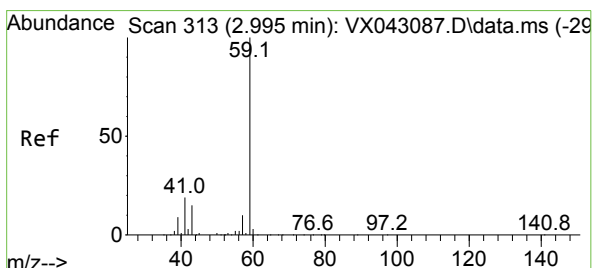
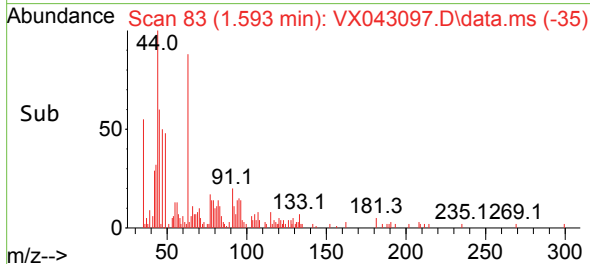
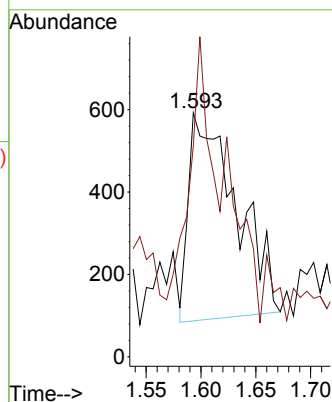
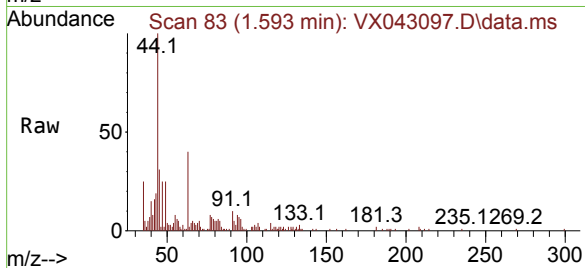




#5
Bromomethane
Concen: 0.745 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

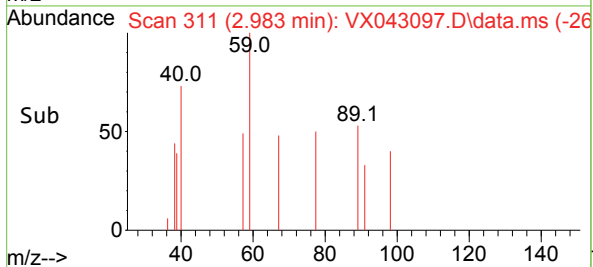
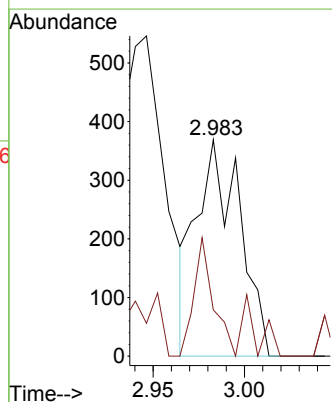
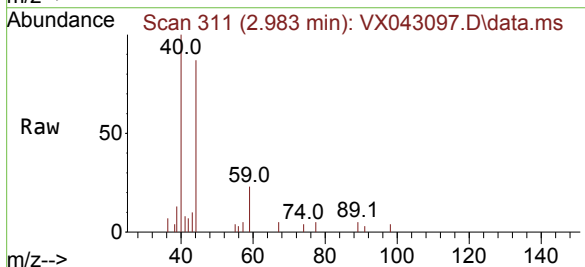
Instrument :
MSVOA_X
ClientSampleId :

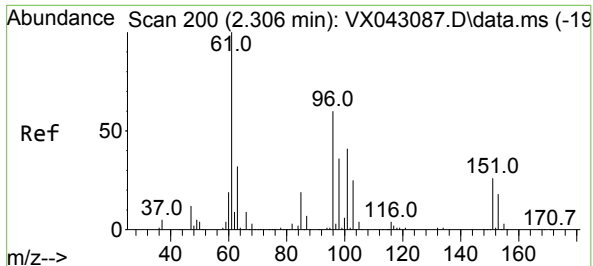
Tgt Ion: 94 Resp: 1506
Ion Ratio Lower Upper
94 100
96 71.2 74.6 111.8#



#11
Tert butyl alcohol
Concen: 0.745 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

Tgt Ion: 59 Resp: 606
Ion Ratio Lower Upper
59 100
57 24.9 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.350 ug/l

RT: 2.312 min Scan# 20

Delta R.T. 0.006 min

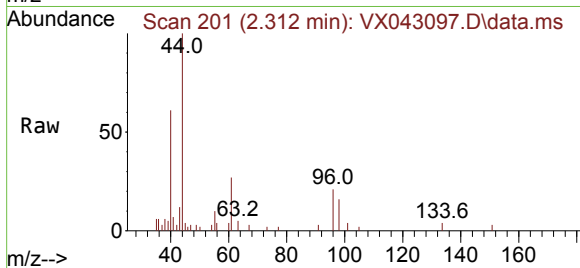
Lab File: VX043097.D

Acq: 23 Aug 2024 11:01

Instrument :

MSVOA_X

ClientSampleId :



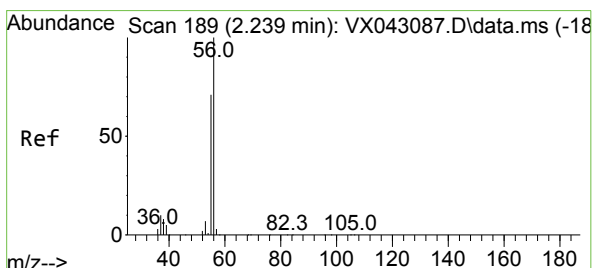
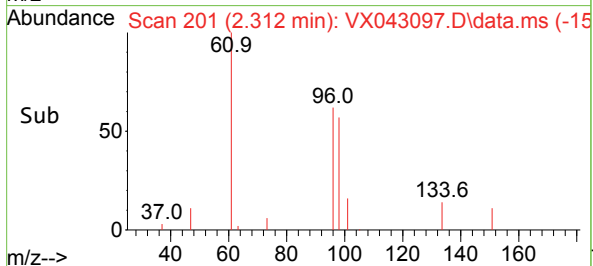
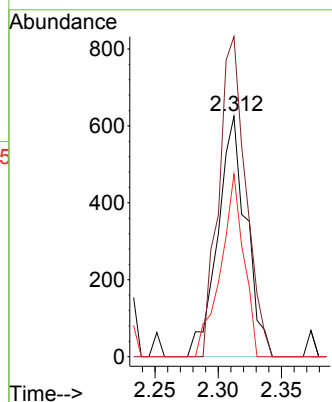
Tgt Ion: 96 Resp: 981

Ion Ratio Lower Upper

96 100

61 133.1 144.6 216.8#

98 76.0 50.4 75.6#



#13

Acrolein

Concen: Below Cal

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX043097.D

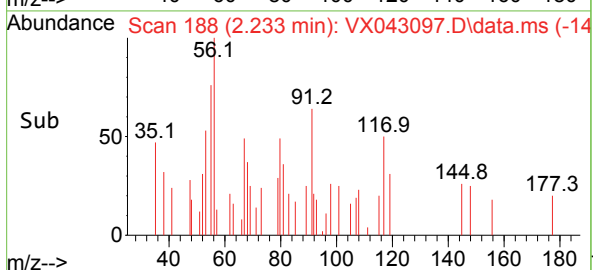
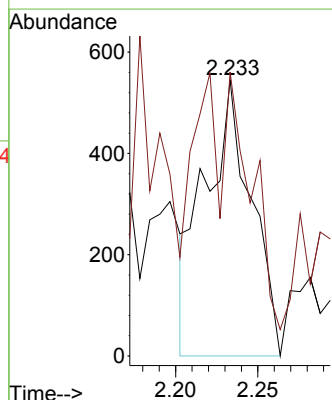
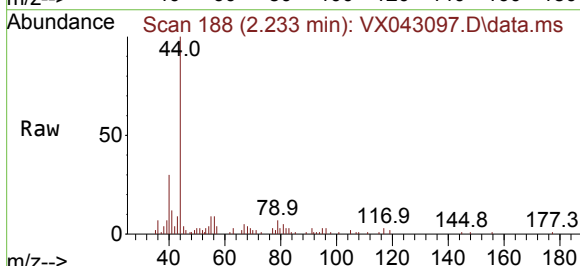
Acq: 23 Aug 2024 11:01

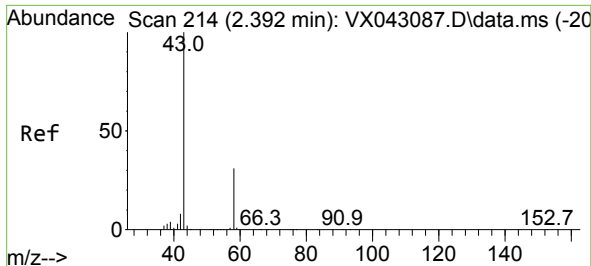
Tgt Ion: 56 Resp: 1071

Ion Ratio Lower Upper

56 100

55 31.8 57.1 85.7#

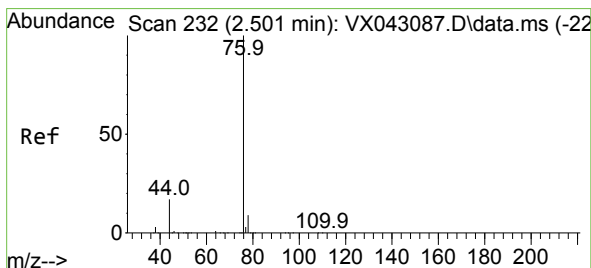
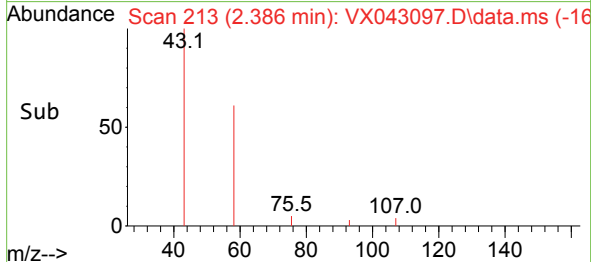
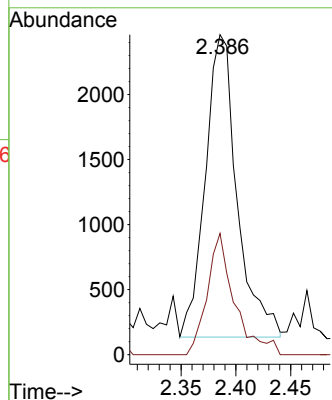
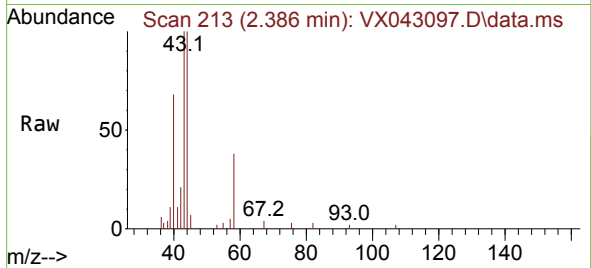




#16
Acetone
Concen: 2.720 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

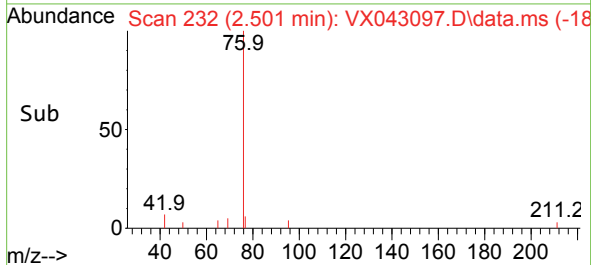
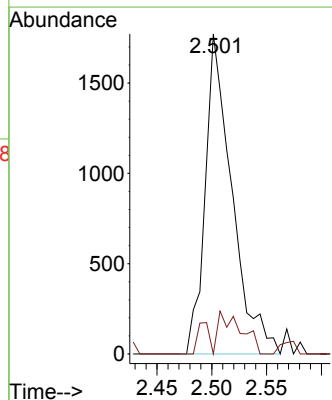
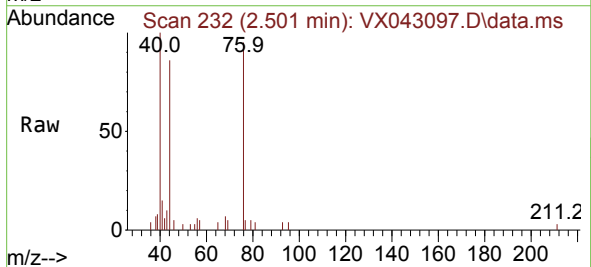
Instrument :
MSVOA_X
ClientSampleId :

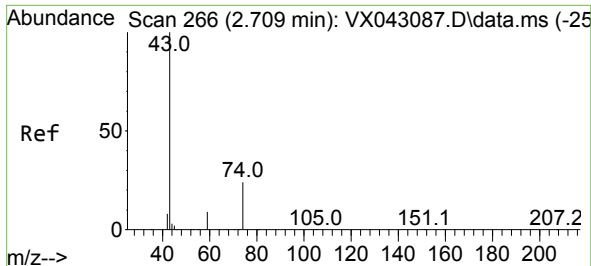
Tgt Ion: 43 Resp: 4686
Ion Ratio Lower Upper
43 100
58 40.1 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.416 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

Tgt Ion: 76 Resp: 3006
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

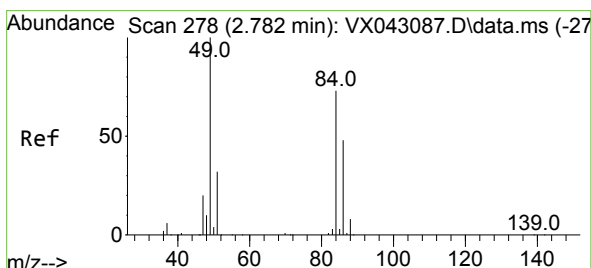
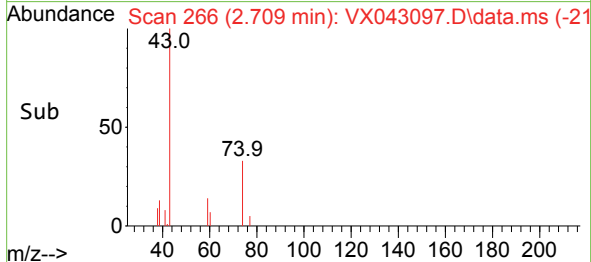
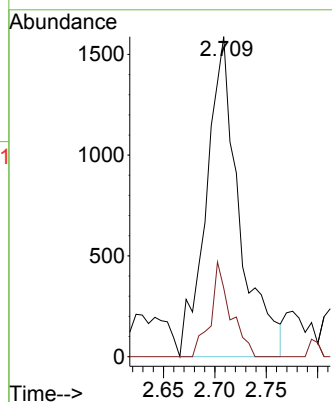
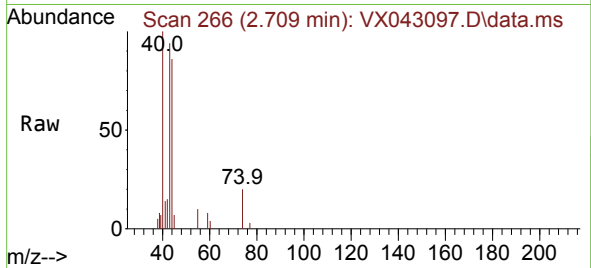




#18
Methyl Acetate
Concen: 0.646 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

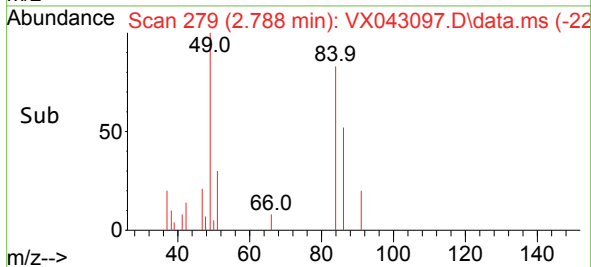
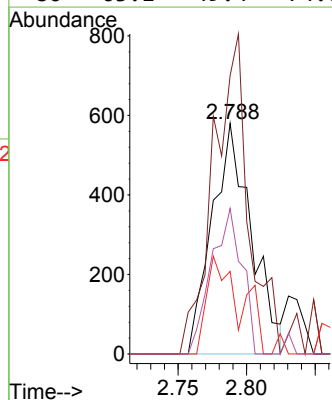
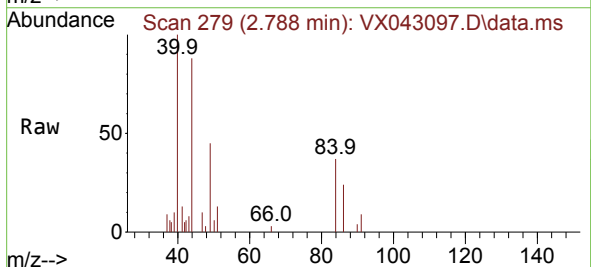
Instrument :
MSVOA_X
ClientSampleId :

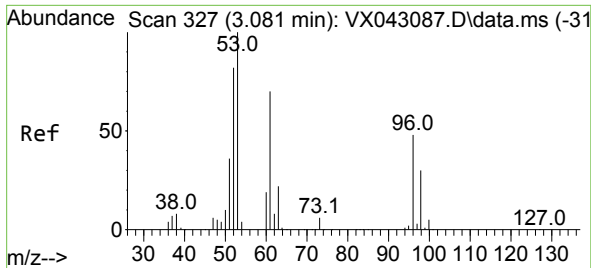
Tgt Ion: 43 Resp: 3531
Ion Ratio Lower Upper
43 100
74 17.9 17.8 26.8



#20
Methylene Chloride
Concen: 0.347 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

Tgt Ion: 84 Resp: 1157
Ion Ratio Lower Upper
84 100
49 120.7 103.6 155.4
51 35.9 33.8 50.6
86 63.1 49.4 74.0

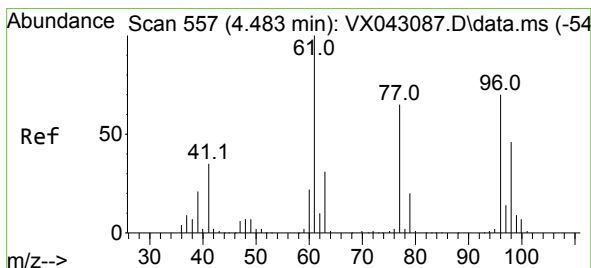
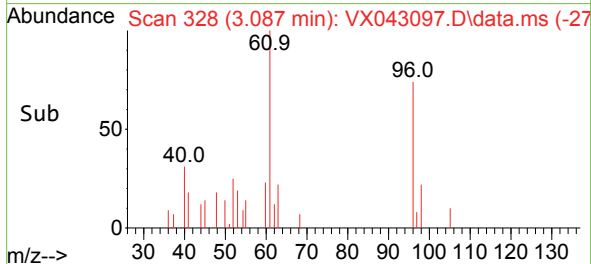
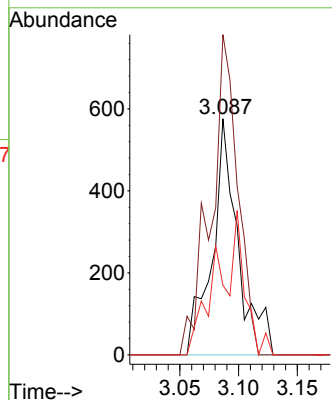
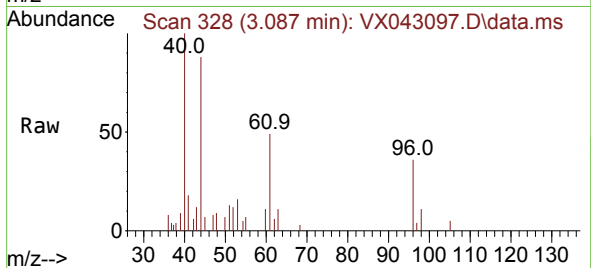




#21
trans-1,2-Dichloroethene
Concen: 0.307 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

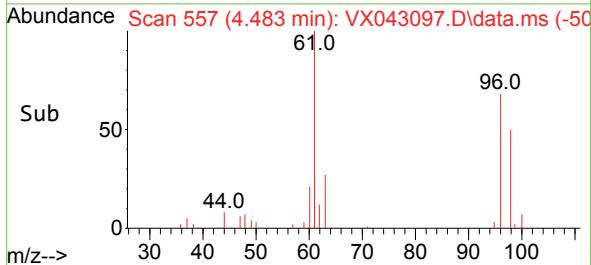
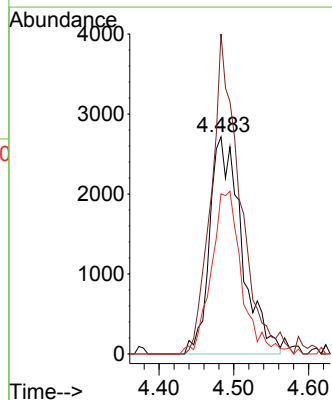
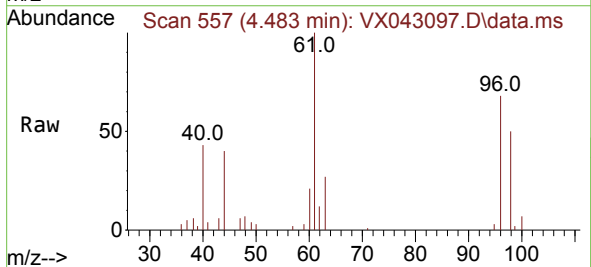
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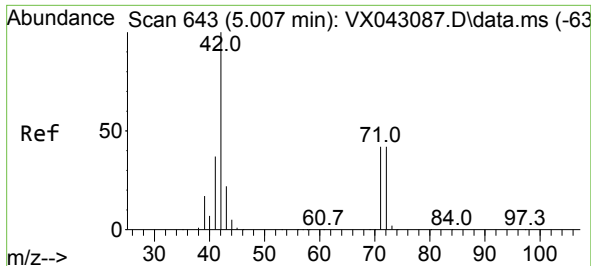
Tgt Ion: 96 Resp: 886
Ion Ratio Lower Upper
96 100
61 135.6 119.2 178.8
98 29.5 48.7 73.1#



#27
cis-1,2-Dichloroethene
Concen: 2.243 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

Tgt Ion: 96 Resp: 8093
Ion Ratio Lower Upper
96 100
61 131.8 0.0 312.2
98 71.3 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.280 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.006 min

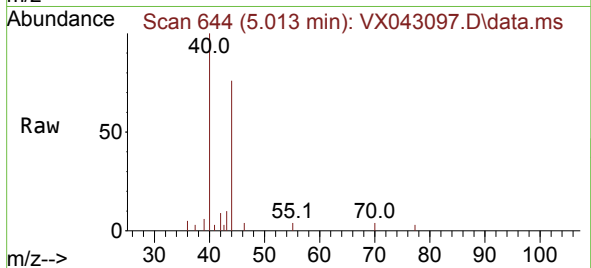
Lab File: VX043097.D

Acq: 23 Aug 2024 11:01

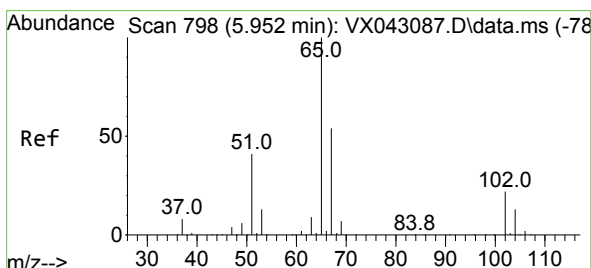
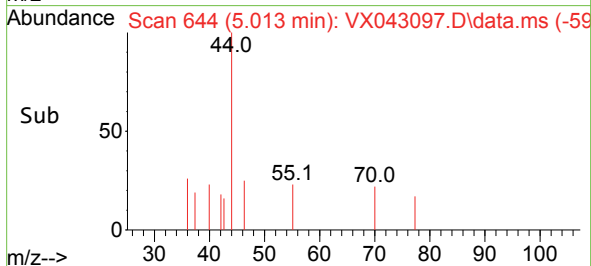
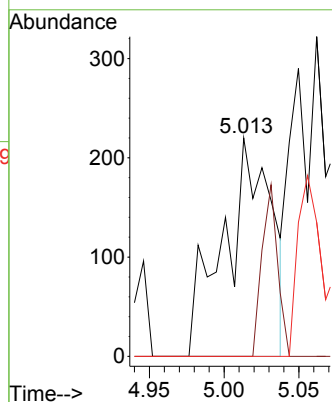
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	487
Ion	Ratio	Lower	Upper
42	100		
72	25.9	34.2	51.4#
71	0.0	32.2	48.2#



#33

1,2-Dichloroethane-d4

Concen: 47.739 ug/l

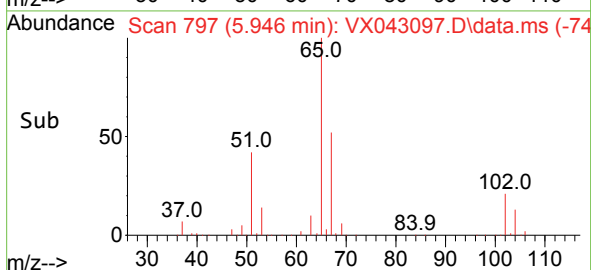
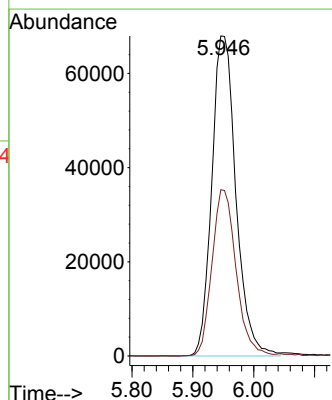
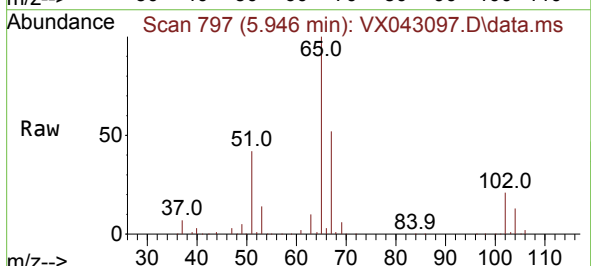
RT: 5.946 min Scan# 797

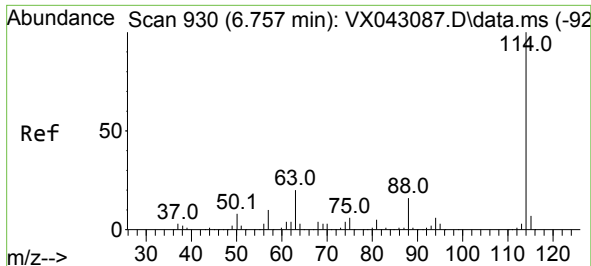
Delta R.T. -0.006 min

Lab File: VX043097.D

Acq: 23 Aug 2024 11:01

Tgt Ion:	65	Resp:	187393
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	100.2

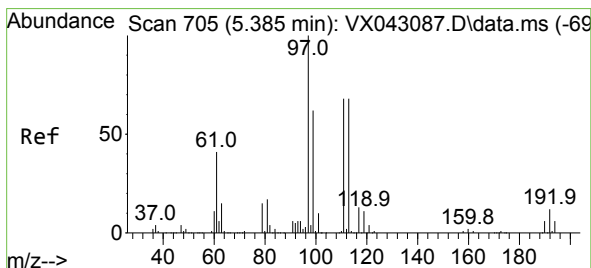
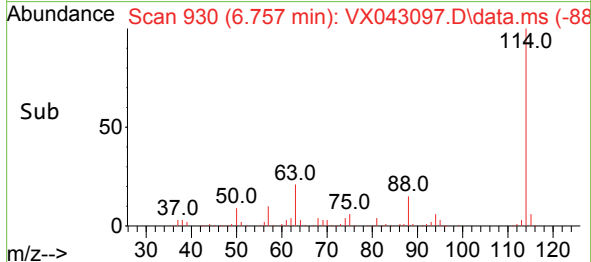
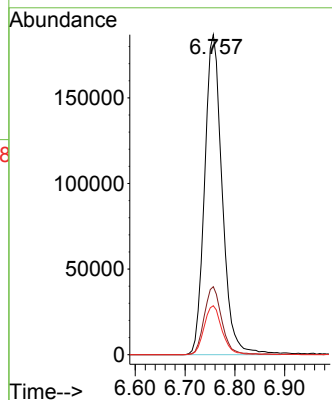
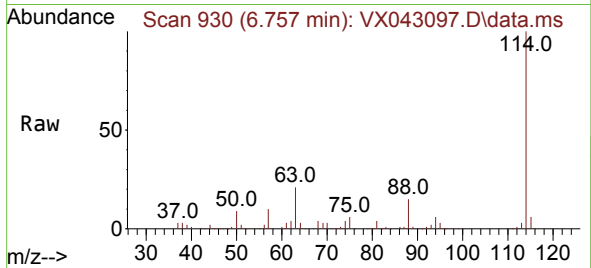




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

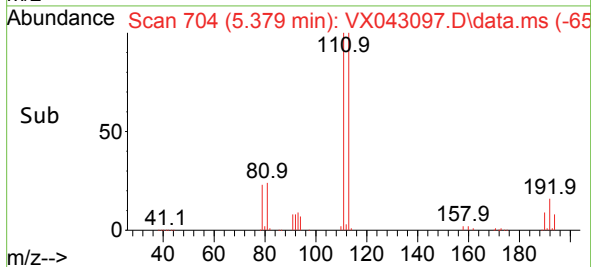
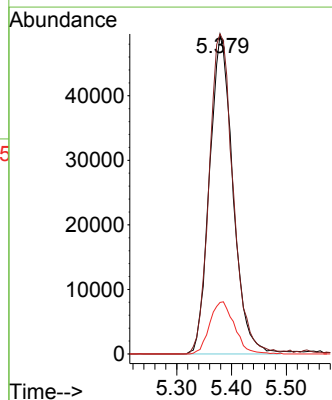
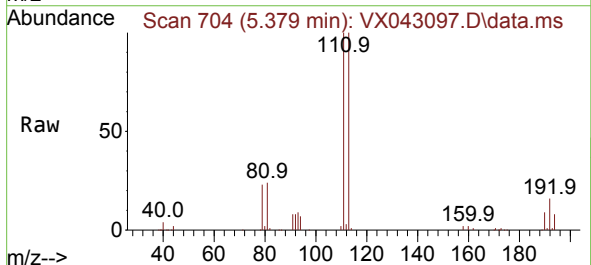
Instrument :
MSVOA_X
ClientSampleId :

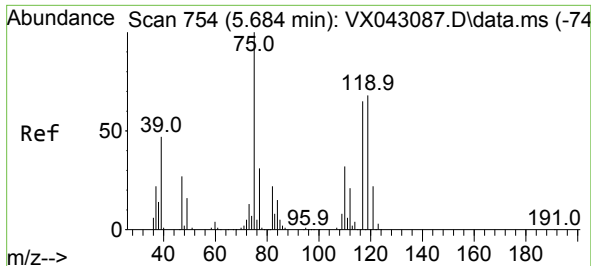
Tgt Ion:114 Resp: 457765
Ion Ratio Lower Upper
114 100
63 21.2 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.312 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

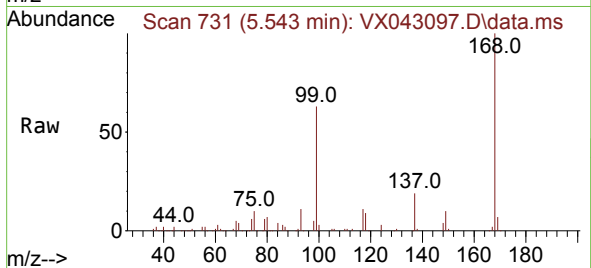
Tgt Ion:113 Resp: 146274
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 17.3 13.3 19.9



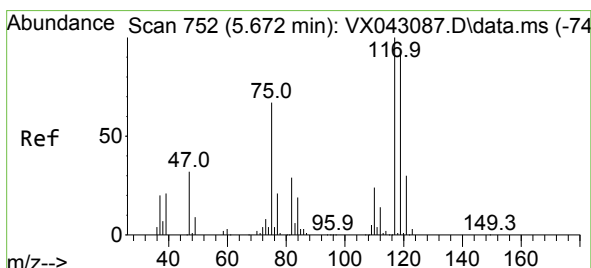
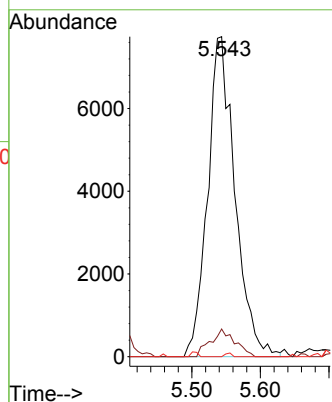
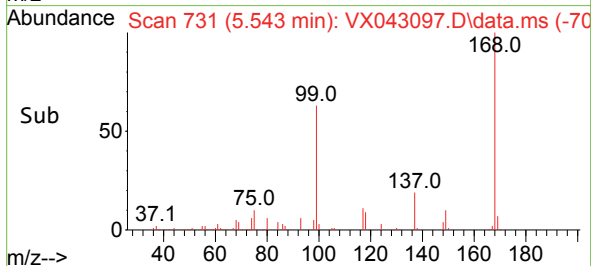


#36
1,1-Dichloropropene
Concen: 5.358 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

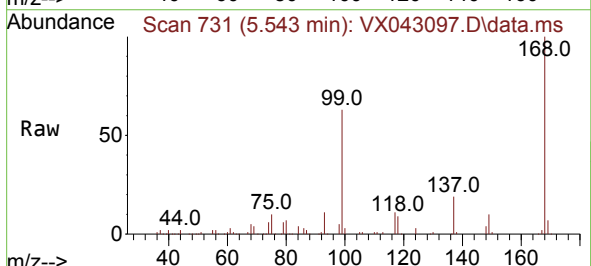
Instrument :
MSVOA_X
ClientSampleId :



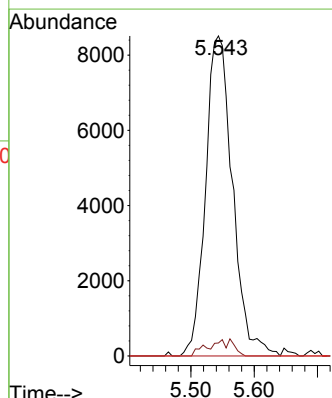
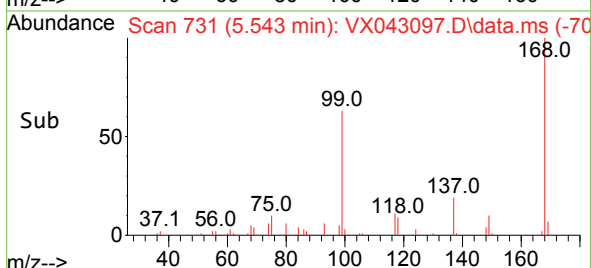
Tgt Ion: 75 Resp: 21439
Ion Ratio Lower Upper
75 100
110 7.7 17.0 50.9#
77 0.3 24.7 37.1#

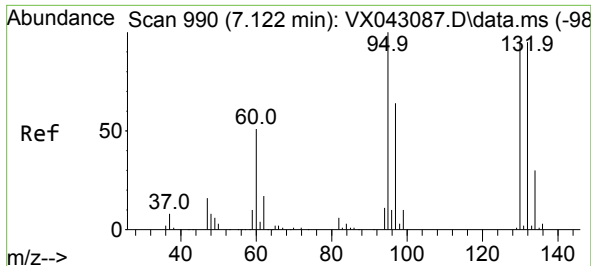


#38
Carbon Tetrachloride
Concen: 6.031 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01



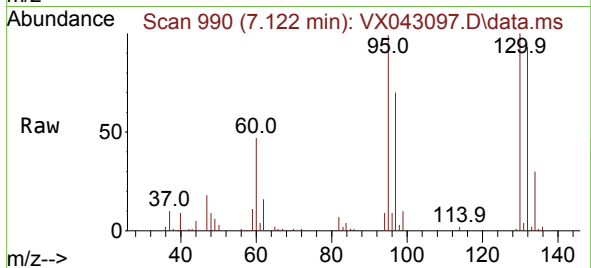
Tgt Ion: 117 Resp: 25217
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#



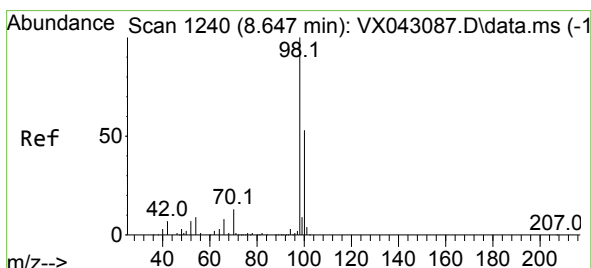
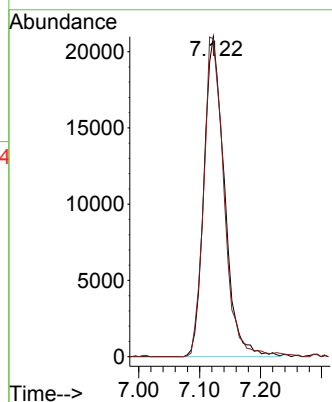
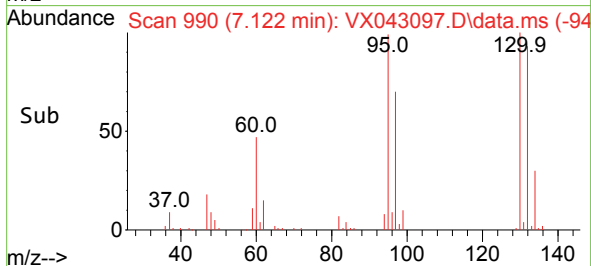


#44
Trichloroethene
Concen: 16.492 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

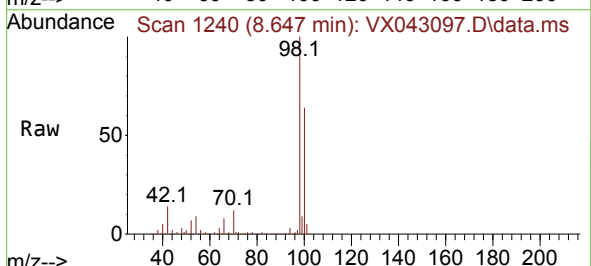
Instrument :
MSVOA_X
ClientSampleId :



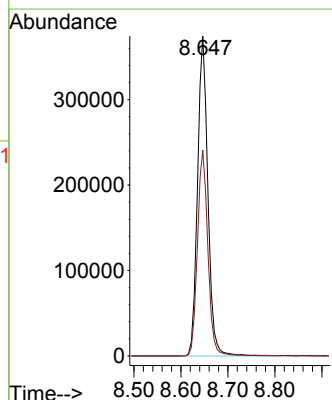
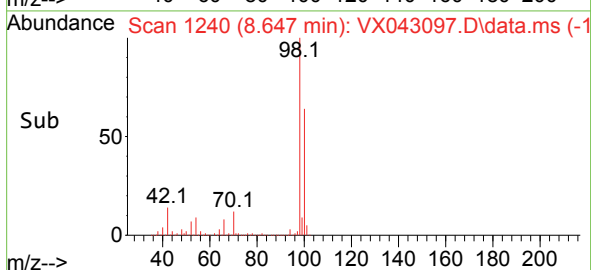
Tgt Ion:130 Resp: 48949
Ion Ratio Lower Upper
130 100
95 99.3 0.0 204.4

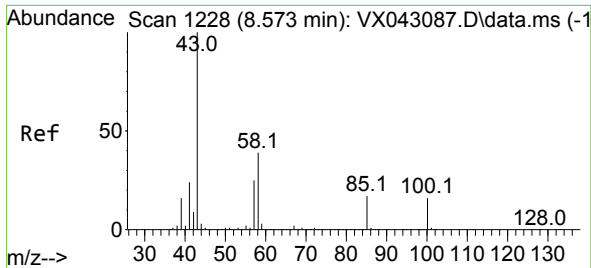


#50
Toluene-d8
Concen: 50.634 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01



Tgt Ion: 98 Resp: 576707
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7

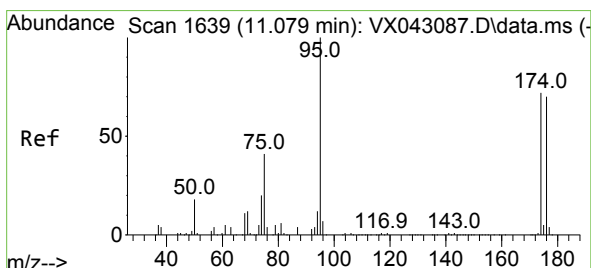
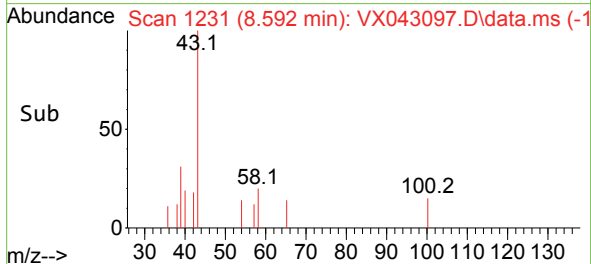
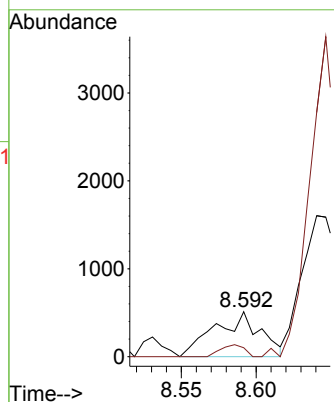
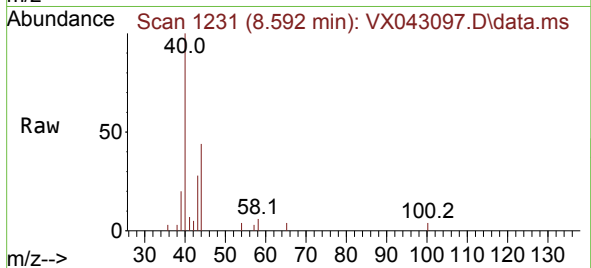




#51
4-Methyl-2-Pentanone
Concen: 0.202 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.018 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

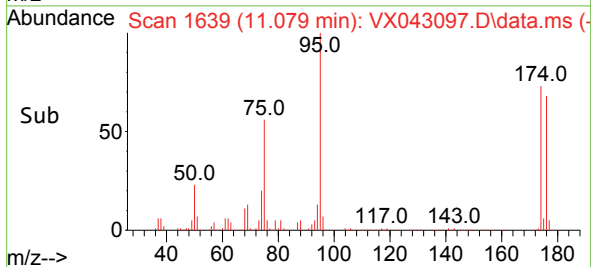
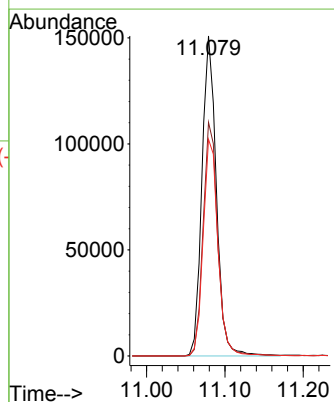
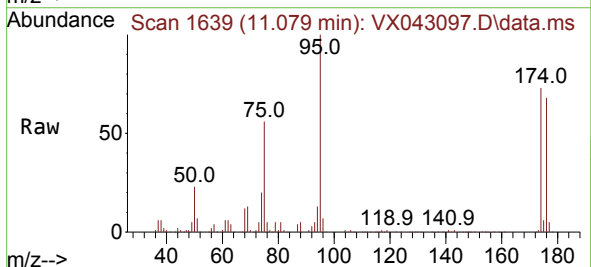
Instrument :
MSVOA_X
ClientSampleId :

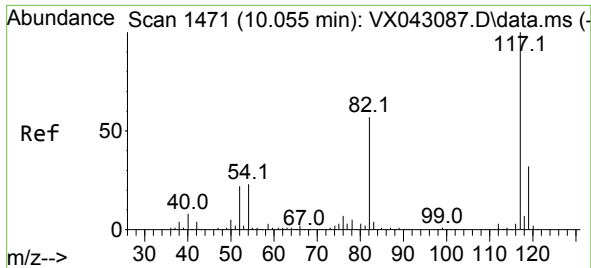
Tgt Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 48.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

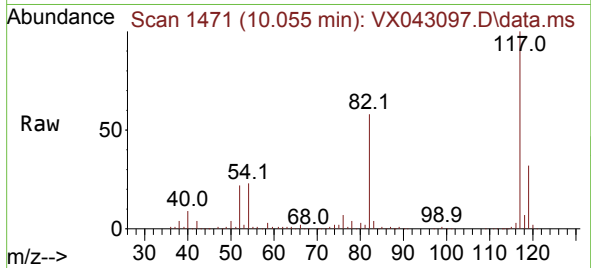
Tgt Ion: 95 Resp: 192998
Ion Ratio Lower Upper
95 100
174 73.8 0.0 135.6
176 70.0 0.0 131.0



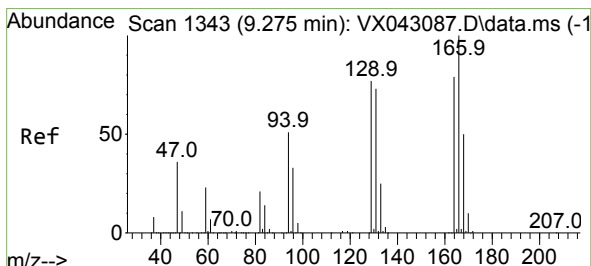
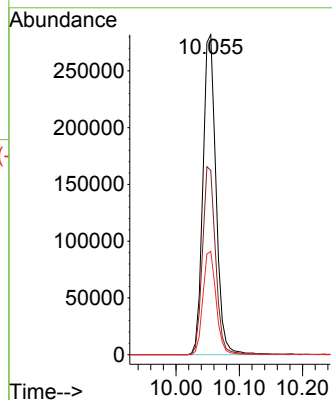
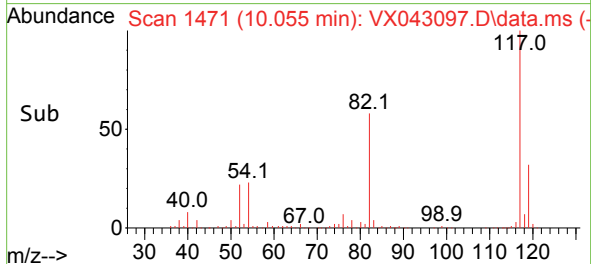


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

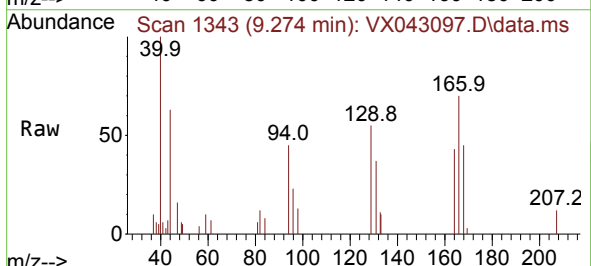
Instrument :
MSVOA_X
ClientSampleId :



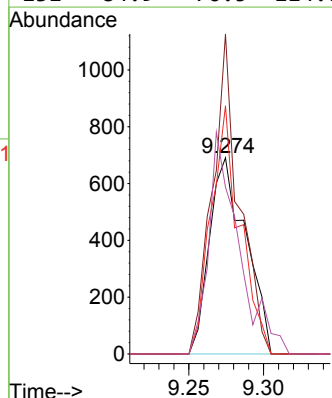
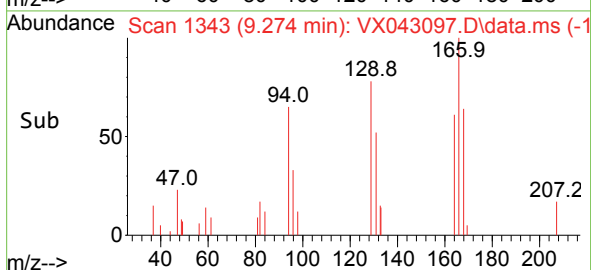
Tgt Ion:117 Resp: 407505
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.4
119 32.3 25.5 38.3

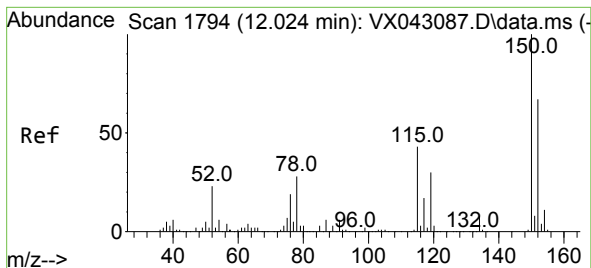


#64
Tetrachloroethene
Concen: 0.434 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01



Tgt Ion:164 Resp: 1163
Ion Ratio Lower Upper
164 100
166 163.1 102.7 154.1#
129 126.5 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# 1

Delta R.T. -0.000 min

Lab File: VX043097.D

Acq: 23 Aug 2024 11:01

Instrument :

MSVOA_X

ClientSampleId :

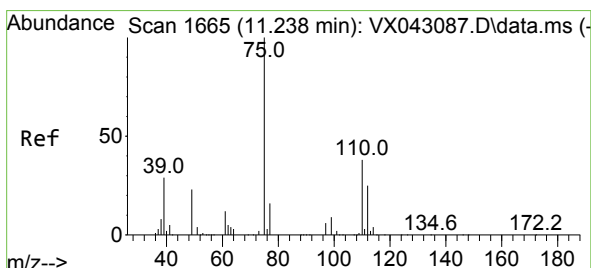
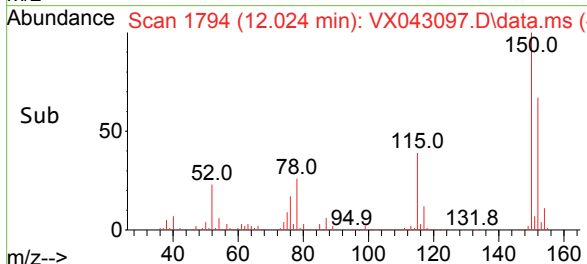
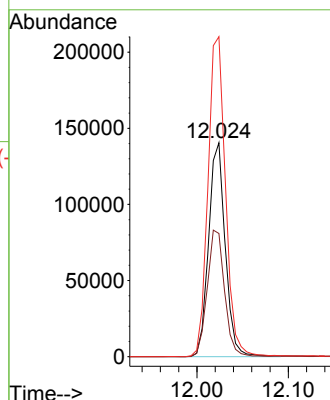
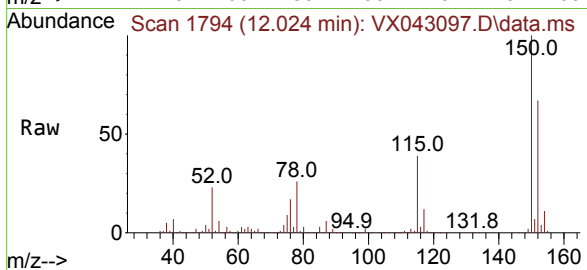
Tgt Ion:152 Resp: 177798

Ion Ratio Lower Upper

152 100

115 61.3 43.3 129.9

150 157.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.537 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043097.D

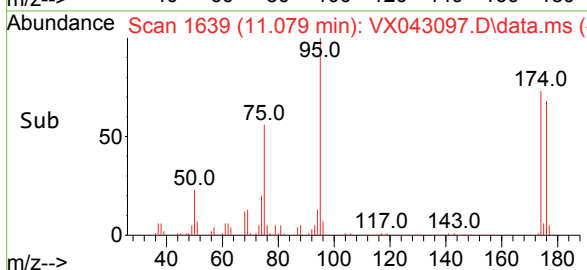
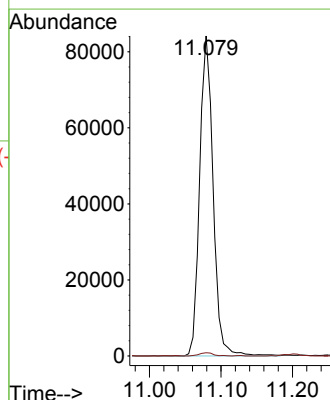
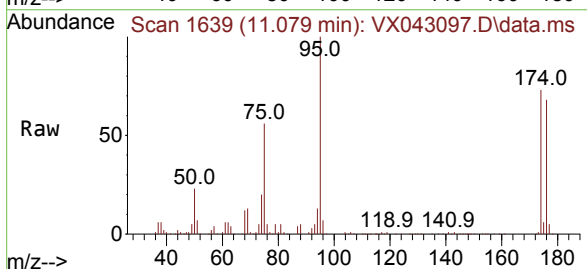
Acq: 23 Aug 2024 11:01

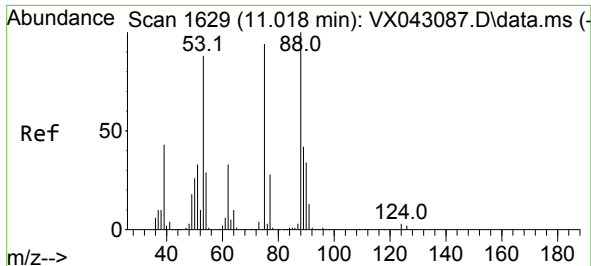
Tgt Ion: 75 Resp: 109874

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

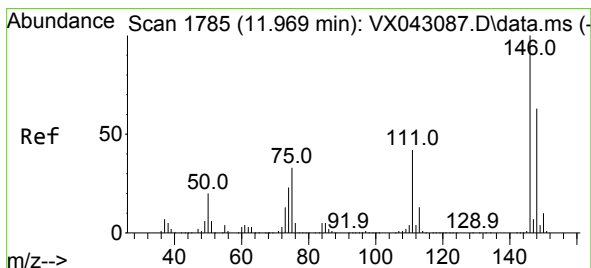
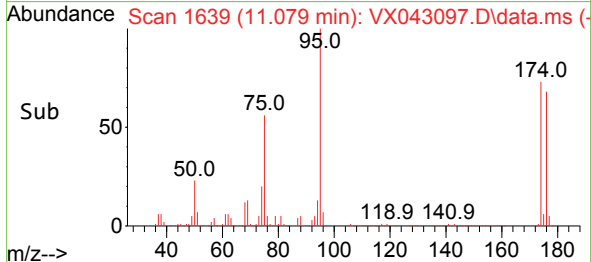
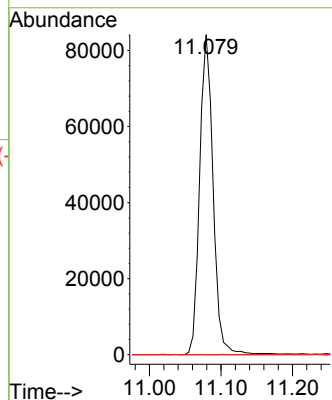
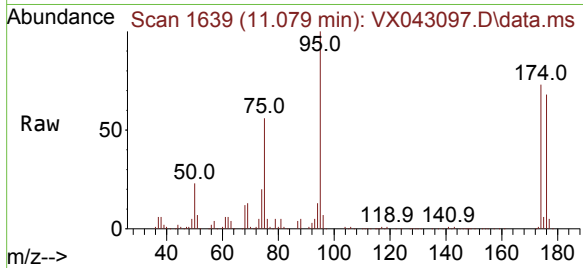




#81
trans-1,4-Dichloro-2-butene
Concen: 61.507 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

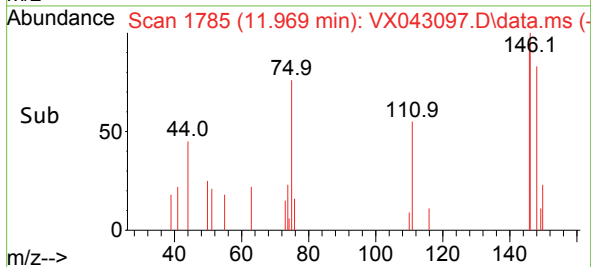
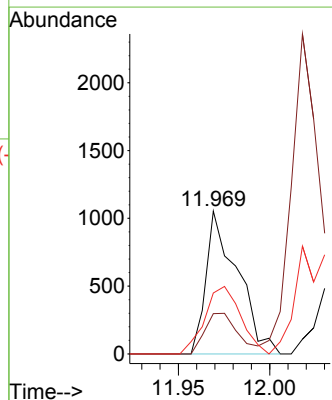
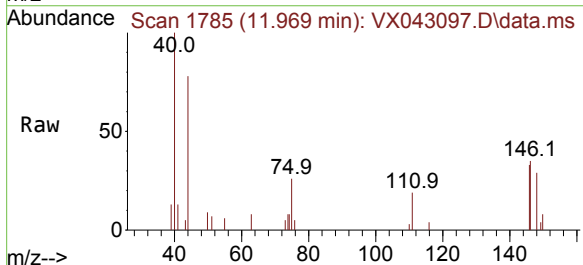
Instrument :
MSVOA_X
ClientSampleId :

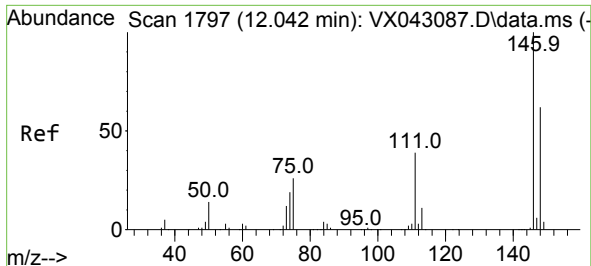
Tgt Ion: 75 Resp: 109874
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.214 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX043097.D
Acq: 23 Aug 2024 11:01

Tgt Ion:146 Resp: 1268
Ion Ratio Lower Upper
146 100
111 30.1 22.1 66.1
148 53.5 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 0.213 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

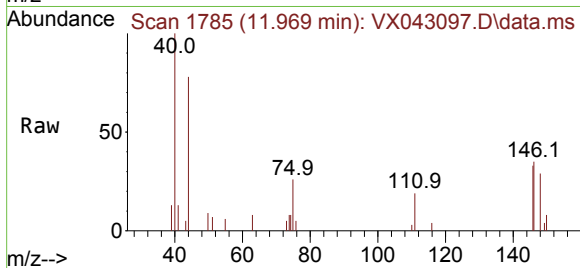
Lab File: VX043097.D

Acq: 23 Aug 2024 11:01

Instrument :

MSVOA_X

ClientSampleId :



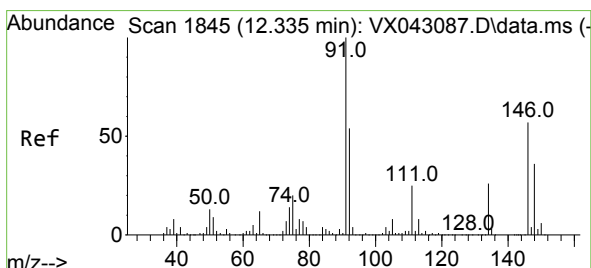
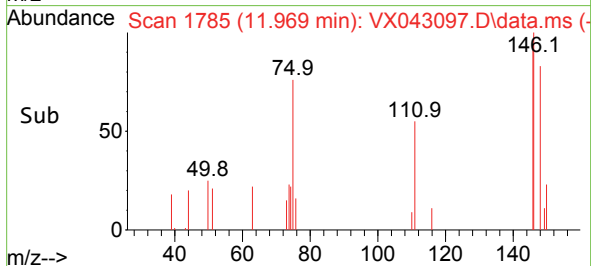
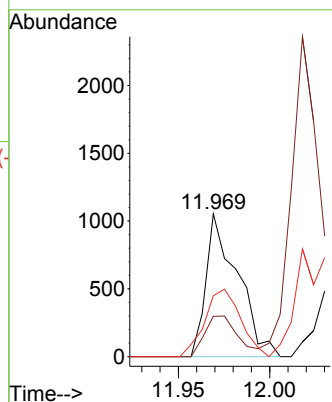
Tgt Ion:146 Resp: 1268

Ion Ratio Lower Upper

146 100

111 30.1 21.3 63.7

148 53.5 31.8 95.4



#91

1,2-Dichlorobenzene

Concen: 0.229 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX043097.D

Acq: 23 Aug 2024 11:01

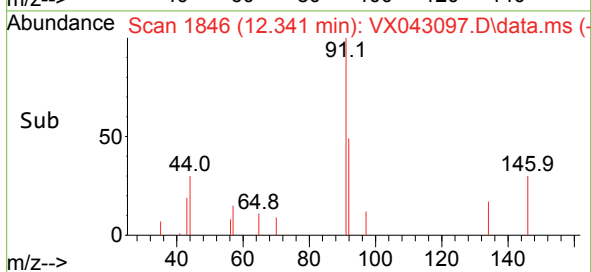
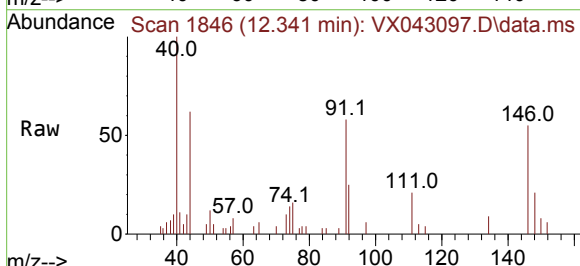
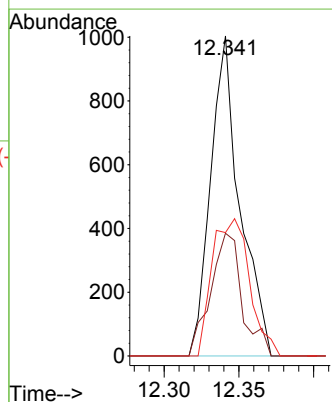
Tgt Ion:146 Resp: 1365

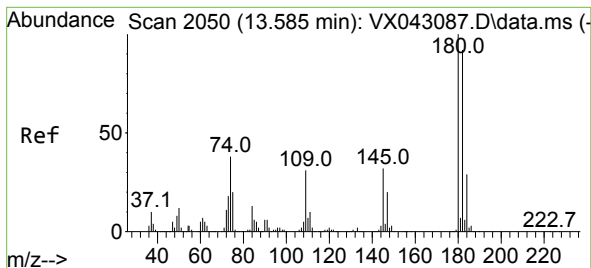
Ion Ratio Lower Upper

146 100

111 41.2 22.4 67.0

148 55.0 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.430 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043097.D

Acq: 23 Aug 2024 11:01

Instrument :

MSVOA_X

ClientSampleId :

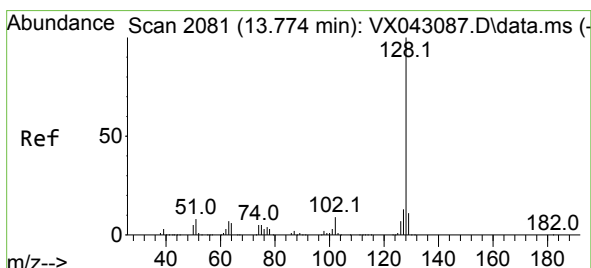
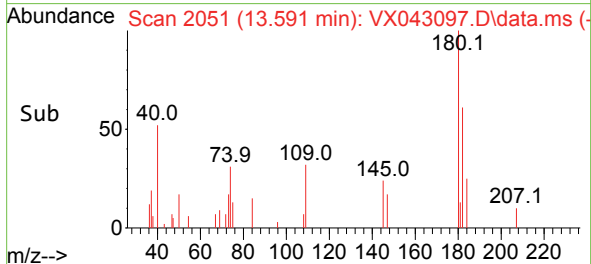
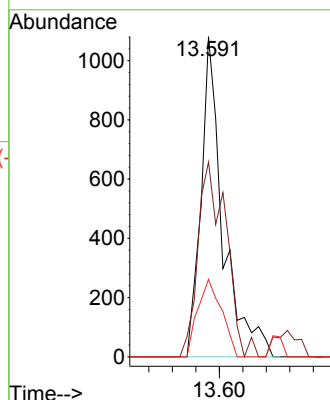
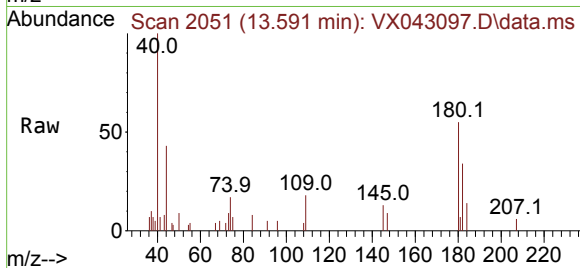
Tgt Ion:180 Resp: 1393

Ion Ratio Lower Upper

180 100

182 78.4 48.3 144.8

145 26.5 18.0 54.0



#95

Naphthalene

Concen: 0.663 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX043097.D

Acq: 23 Aug 2024 11:01

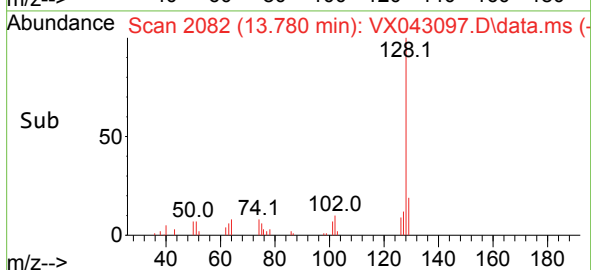
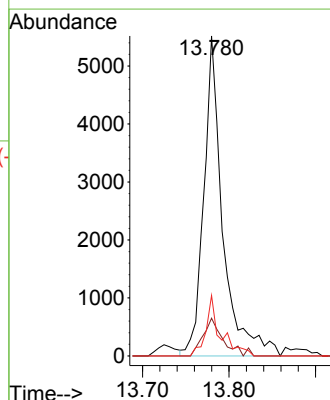
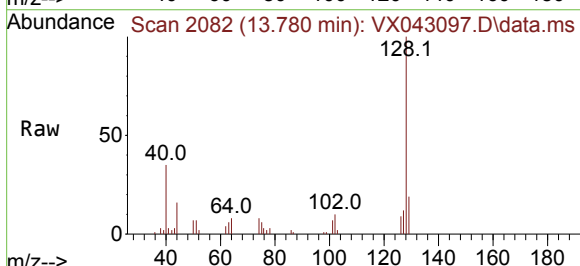
Tgt Ion:128 Resp: 8392

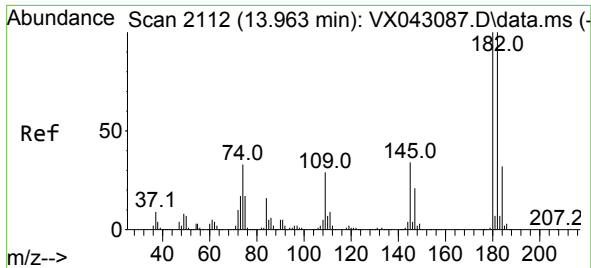
Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

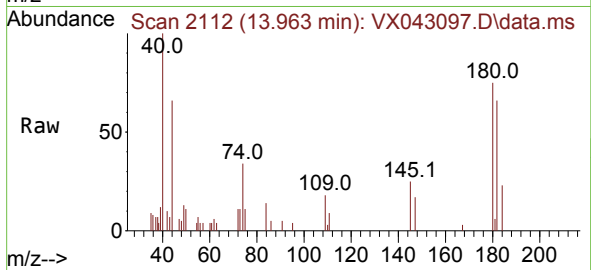
129 14.4 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.439 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX043097.D
 Acq: 23 Aug 2024 11:01

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1492
Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.6
145	35.3	17.8	53.5

