

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090321\
 Data File : VX024095.D
 Acq On : 03 Sep 2021 12:20
 Operator : JC/MD
 Sample : M3620-04DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 03 13:45:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

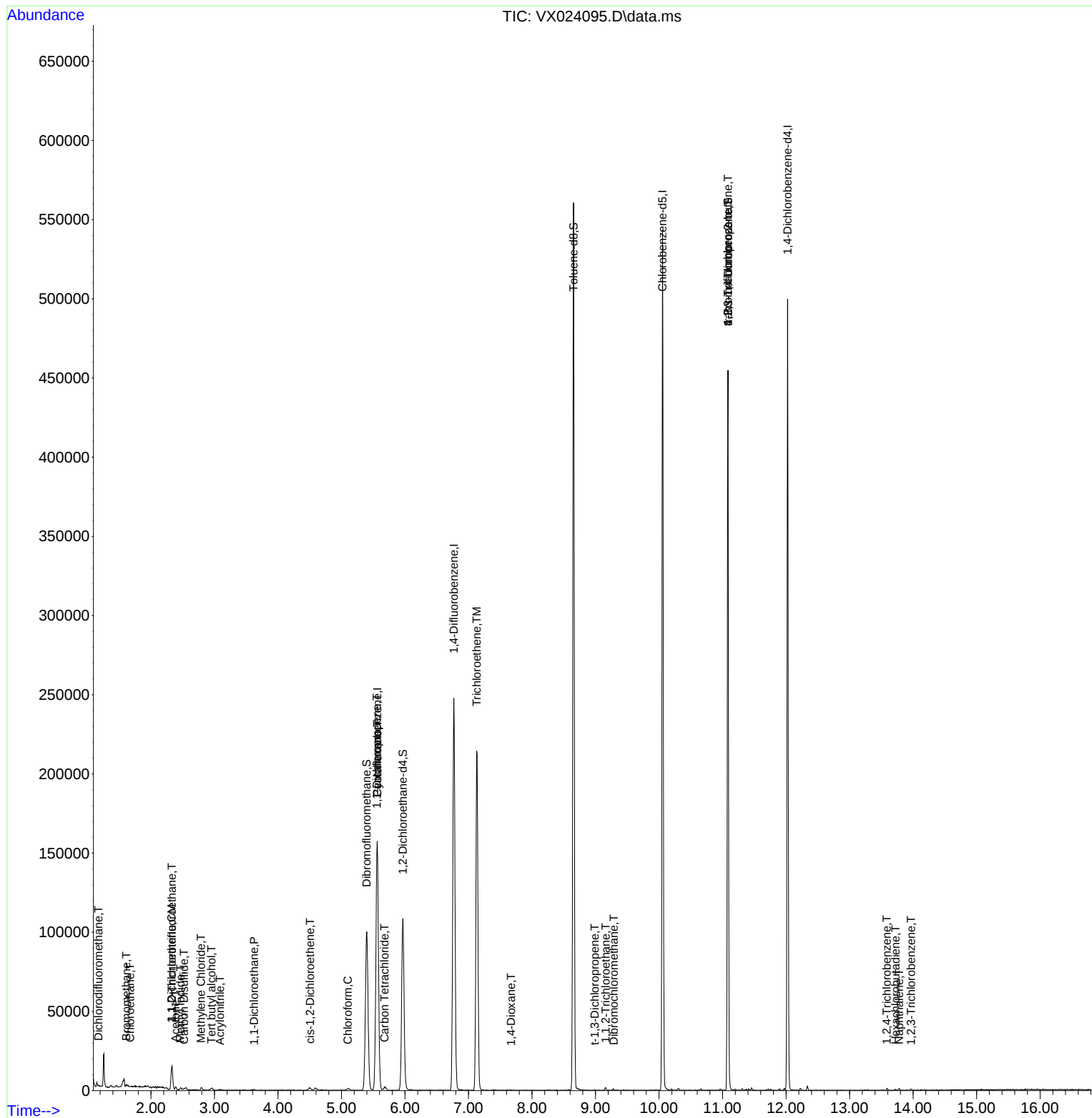
Internal Standards						
1) Pentafluorobenzene	5.562	168	145934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	241332	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109875	53.946	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.900%	
35) Dibromofluoromethane	5.397	113	84833	53.110	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.220%	
50) Toluene-d8	8.653	98	312998	51.484	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.960%	
62) 4-Bromofluorobenzene	11.085	95	112194	50.131	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.260%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	391	0.254	ug/l	92
5) Bromomethane	1.611	94	692	0.668	ug/l #	69
6) Chloroethane	1.672	64	69	2.265	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	3233	2.207	ug/l	94
10) Methyl Iodide	2.465	142	1789	0.877	ug/l	93
11) Tert butyl alcohol	2.953	59	950	2.306	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	2831	2.021	ug/l	98
15) Acrylonitrile	3.087	53	203	0.221	ug/l #	73
16) Acetone	2.386	43	2005	2.202	ug/l #	75
17) Carbon Disulfide	2.520	76	1133	0.339	ug/l #	75
20) Methylene Chloride	2.788	84	819	0.471	ug/l #	76
24) 1,1-Dichloroethane	3.623	63	657	0.230	ug/l #	81
27) cis-1,2-Dichloroethene	4.507	96	932	0.524	ug/l	94
30) Chloroform	5.099	83	1403	0.463	ug/l #	81
31) Cyclohexane	5.562	56	3190	1.219	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11737	5.252	ug/l #	50
38) Carbon Tetrachloride	5.678	117	1588	0.681	ug/l #	84
44) Trichloroethene	7.129	130	81634	44.717	ug/l	100
49) 1,4-Dioxane	7.671	88	64	1.445	ug/l #	77
53) t-1,3-Dichloropropene	8.988	75	120	2.177	ug/l #	44
55) 1,1,2-Trichloroethane	9.159	97	544	0.309	ug/l #	74
60) Dibromochloromethane	9.287	129	20	1.698	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	59962	26.347	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59962	77.500	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.585	180	404	0.209	ug/l	91
94) Hexachlorobutadiene	13.725	225	188	0.218	ug/l	69
95) Naphthalene	13.780	128	844	1.398	ug/l #	84
96) 1,2,3-Trichlorobenzene	13.969	180	398	0.207	ug/l	82

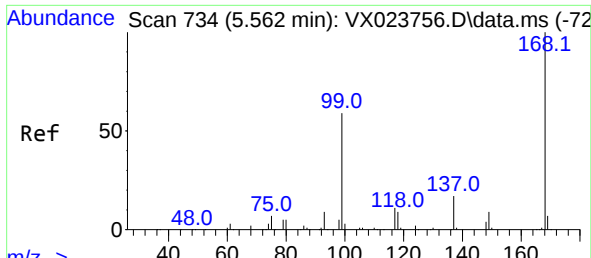
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX00321\
Data File : VX024095.D
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Instrument :
MSVOA_X
ClientSampled :

Quant Time: Sep 03 13:45:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

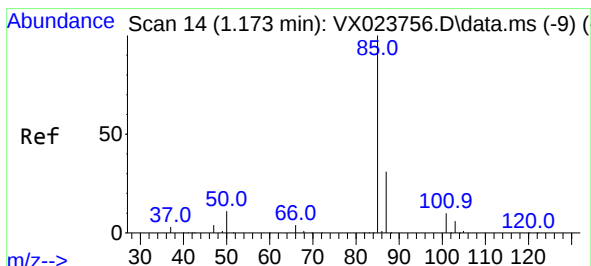
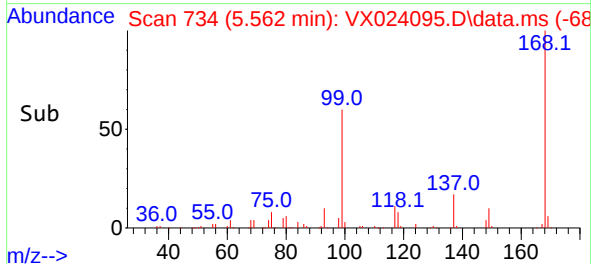
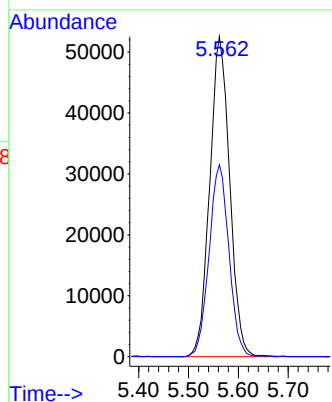
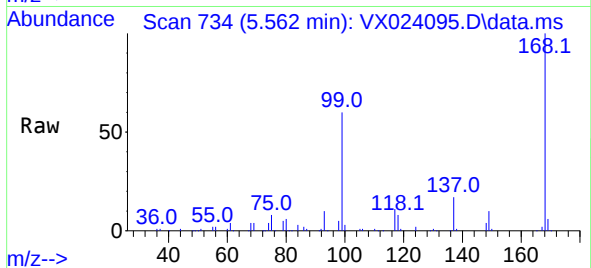




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

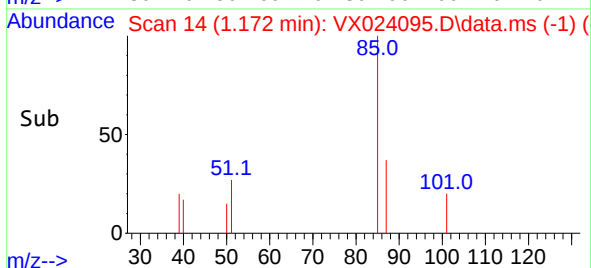
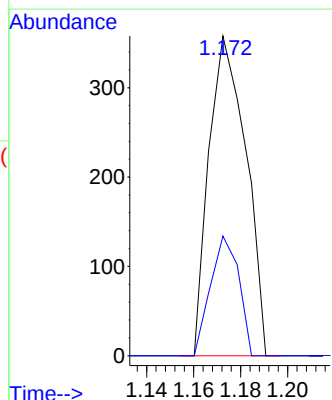
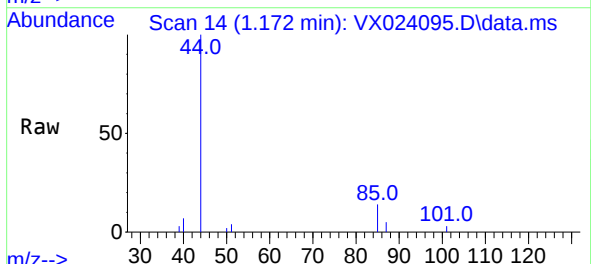
Instrument :
MSVOA_X
ClientSampled :

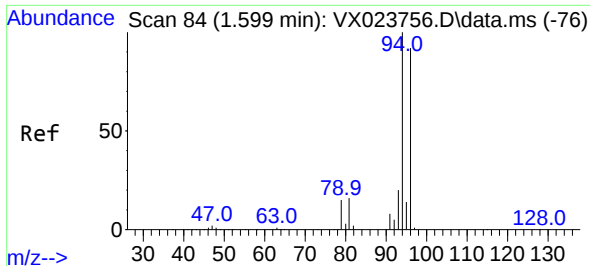
Tgt Ion:168 Resp: 145934
Ion Ratio Lower Upper
168 100
99 59.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.254 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.001 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 85 Resp: 391
Ion Ratio Lower Upper
85 100
87 37.4 16.4 49.2

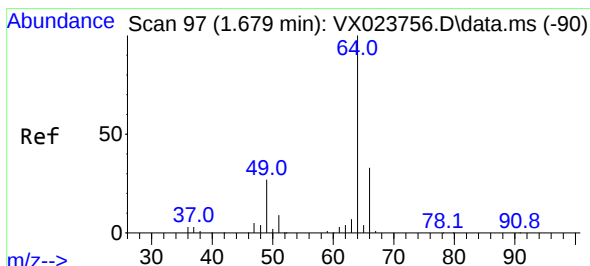
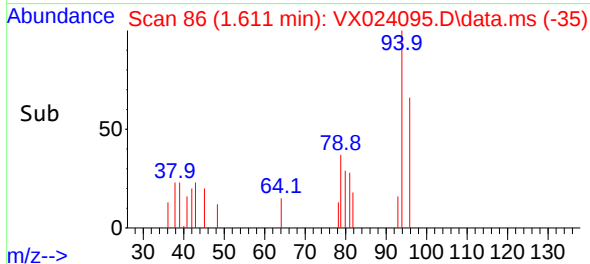
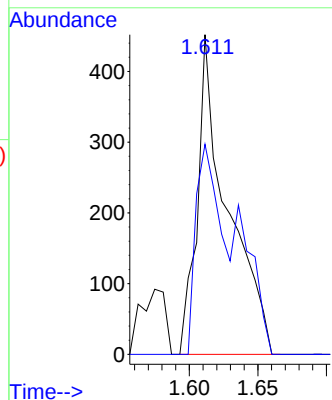
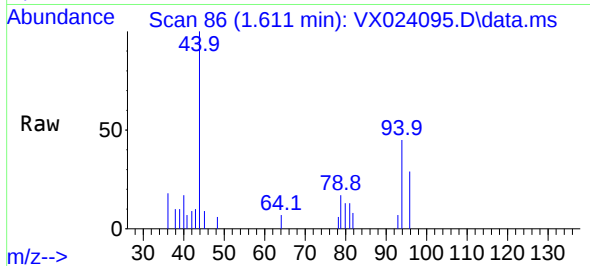




#5
Bromomethane
Concen: 0.668 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

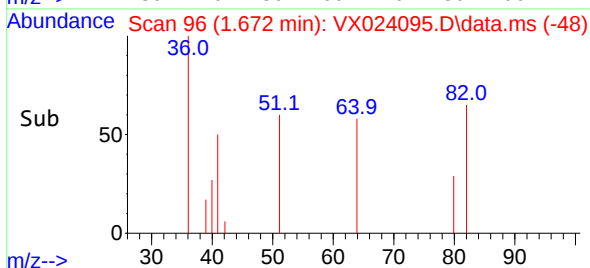
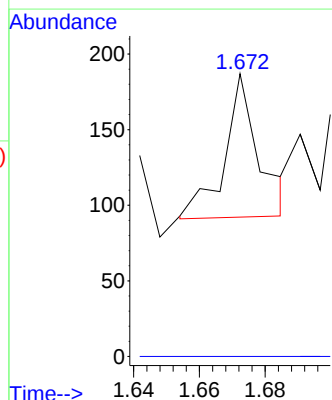
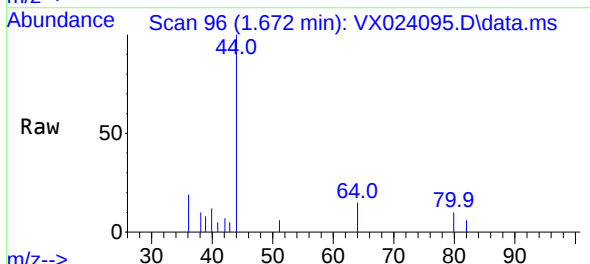
Instrument :
MSVOA_X
ClientSampled :

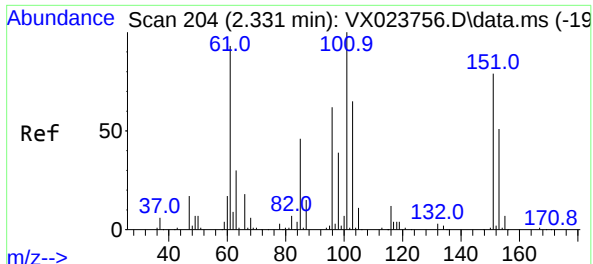
Tgt Ion: 94 Resp: 692
Ion Ratio Lower Upper
94 100
96 65.7 76.4 114.6#



#6
Chloroethane
Concen: 2.265 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 64 Resp: 69
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



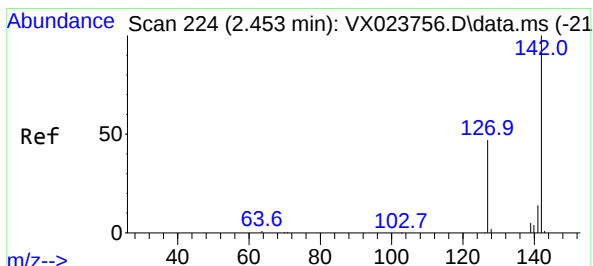
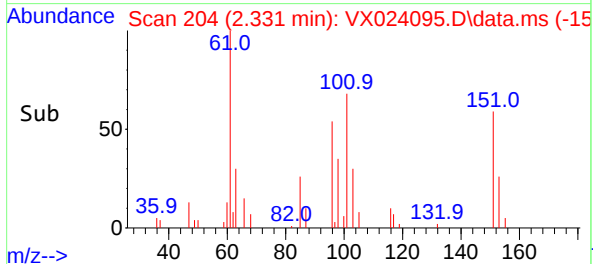
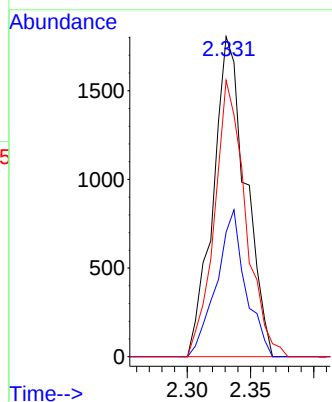
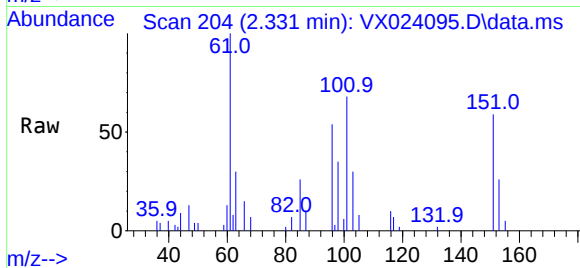


#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.207 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:101 Resp: 3233

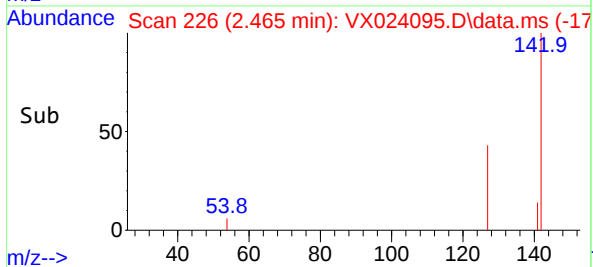
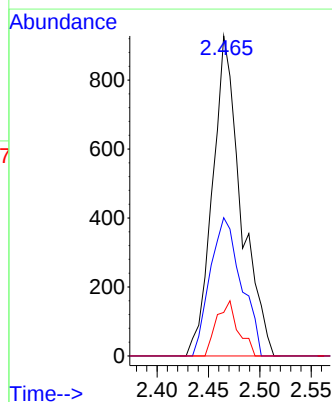
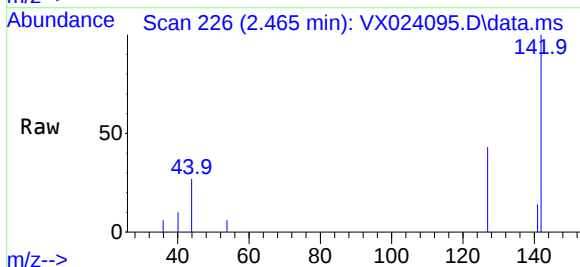
Ion	Ratio	Lower	Upper
101	100		
85	41.0	34.9	52.3
151	82.6	61.4	92.2

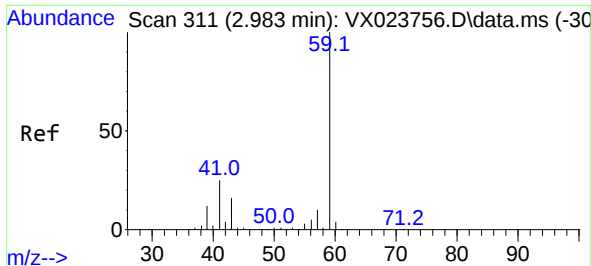


#10
Methyl Iodide
Concen: 0.877 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion:142 Resp: 1789

Ion	Ratio	Lower	Upper
142	100		
127	47.2	33.3	49.9
141	13.1	11.4	17.0



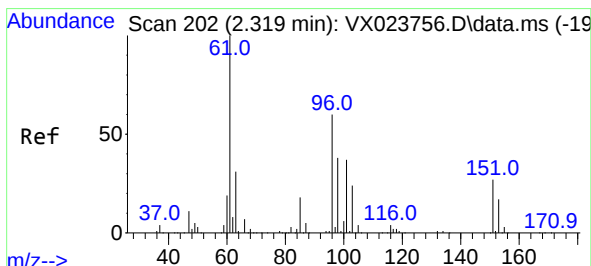
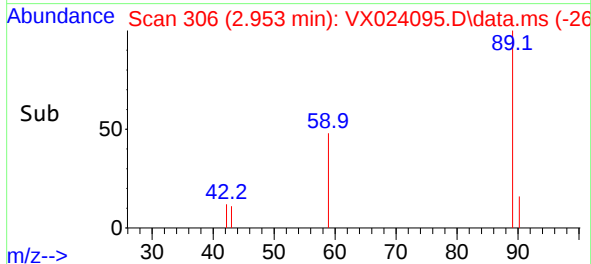
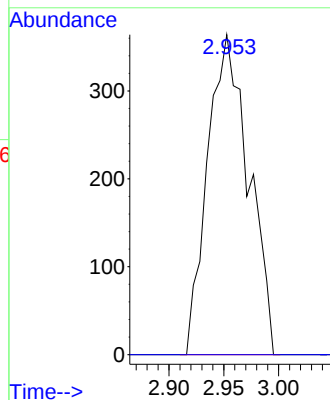
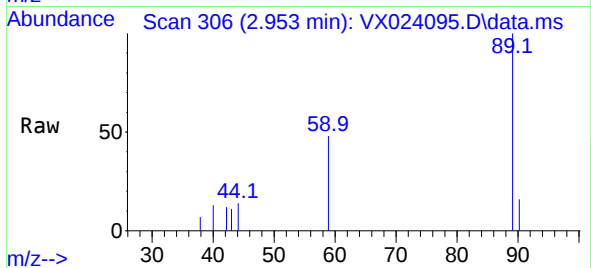


#11

Tert butyl alcohol
Concen: 2.306 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Instrument :
MSVOA_X
ClientSampled :

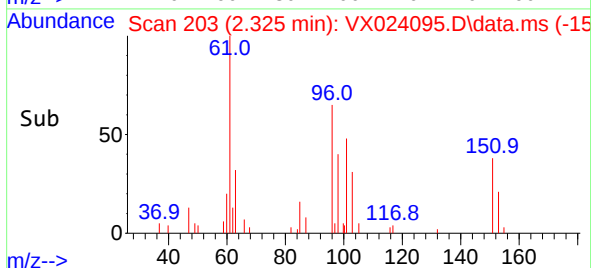
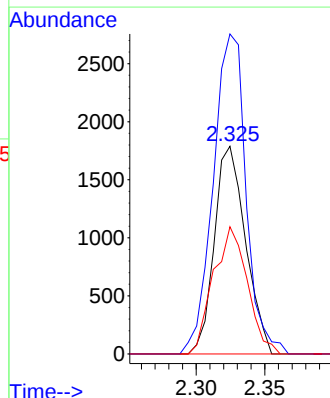
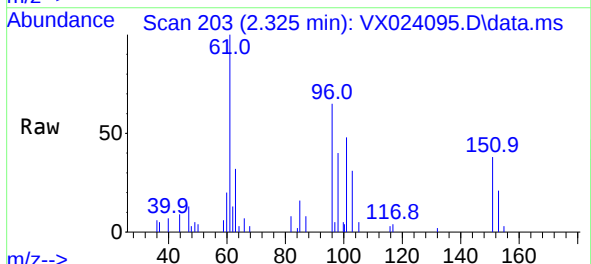
Tgt Ion: 59 Resp: 950
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

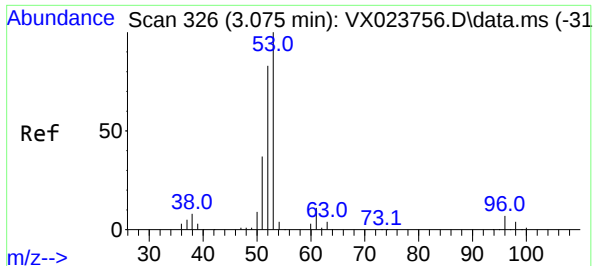


#12

1,1-Dichloroethene
Concen: 2.021 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 96 Resp: 2831
Ion Ratio Lower Upper
96 100
61 154.1 124.6 187.0
98 61.3 50.6 76.0

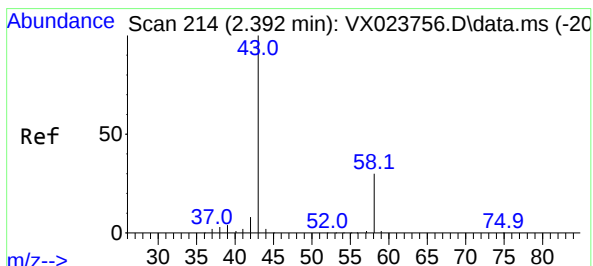
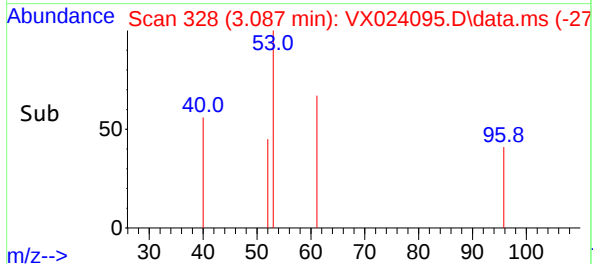
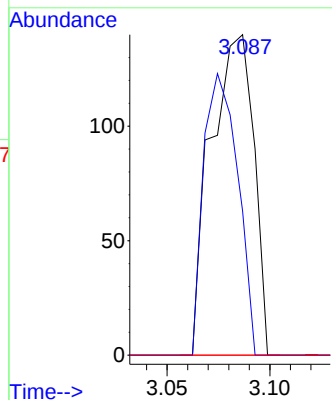
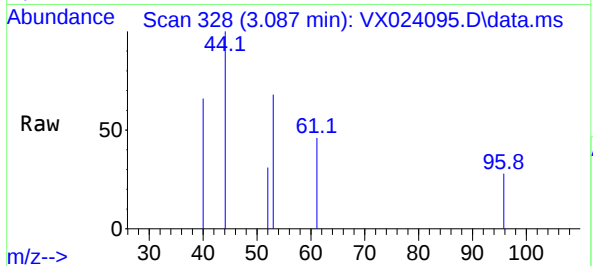




#15
Acrylonitrile
Concen: 0.221 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.012 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

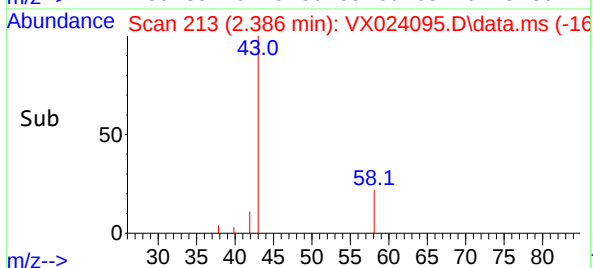
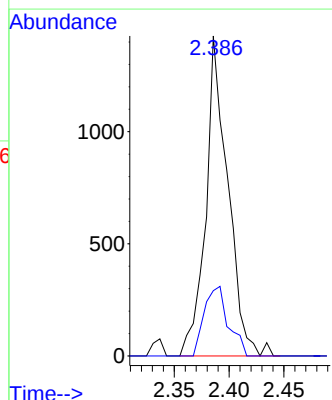
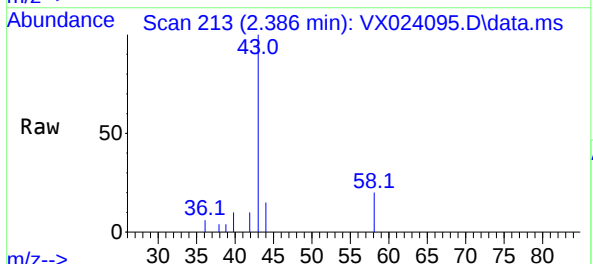
Instrument :
MSVOA_X
ClientSampled :

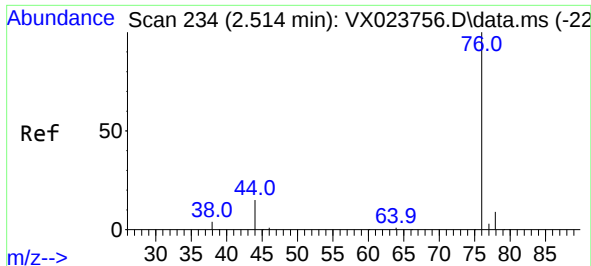
Tgt Ion: 53 Resp: 203
Ion Ratio Lower Upper
53 100
52 70.0 65.3 97.9
51 0.0 28.2 42.2#



#16
Acetone
Concen: 2.202 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
58 20.4 27.8 41.8#

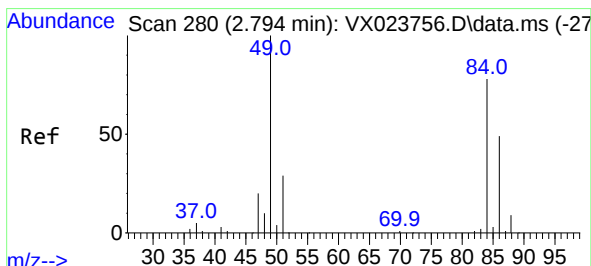
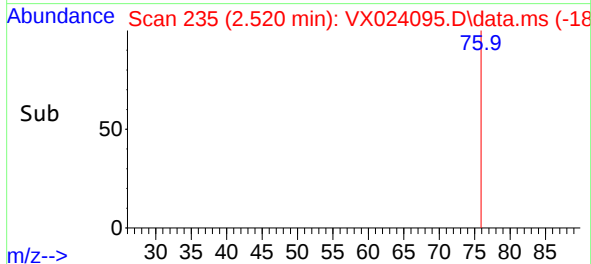
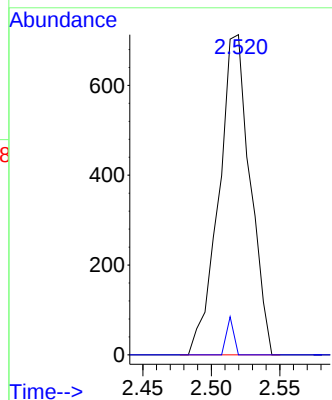
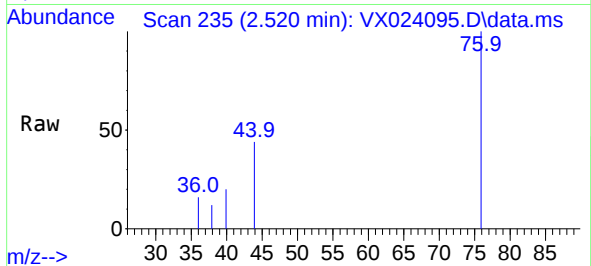




#17
Carbon Disulfide
Concen: 0.339 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

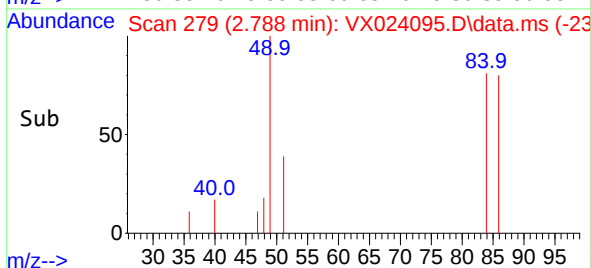
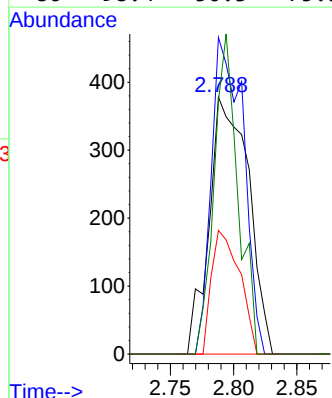
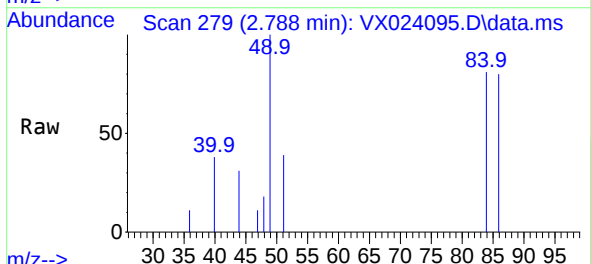
Instrument :
MSVOA_X
ClientSampled :

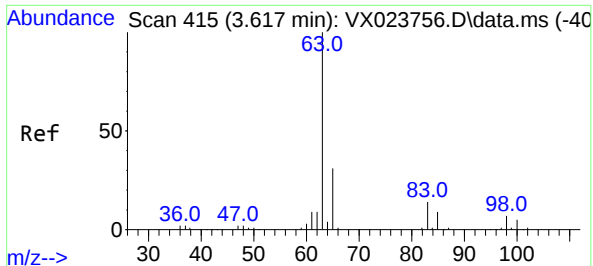
Tgt Ion: 76 Resp: 1133
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.471 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 84 Resp: 819
Ion Ratio Lower Upper
84 100
49 123.3 88.6 132.8
51 48.1 27.0 40.6#
86 98.4 50.3 75.5#

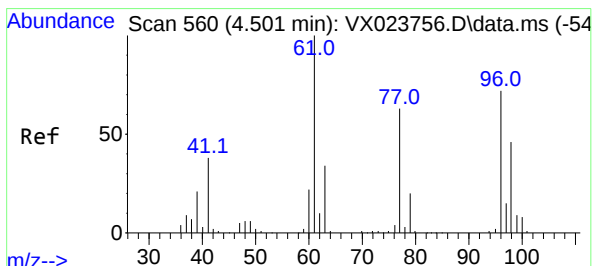
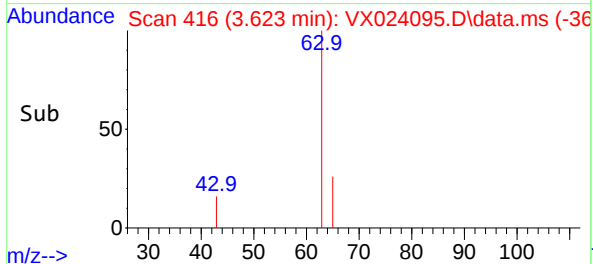
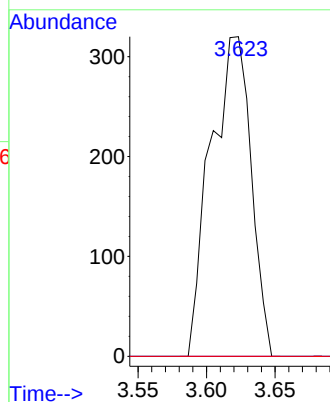
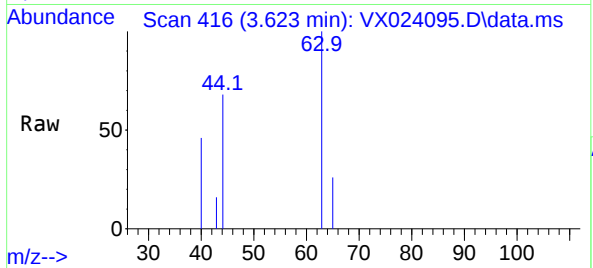




#24
1,1-Dichloroethane
Concen: 0.230 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

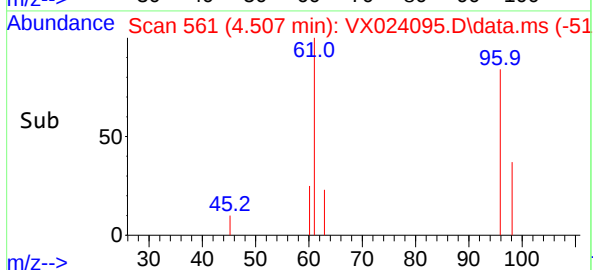
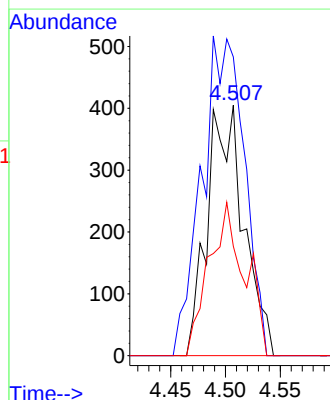
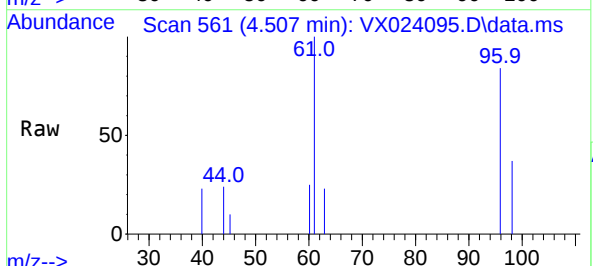
Instrument :
MSVOA_X
ClientSampled :

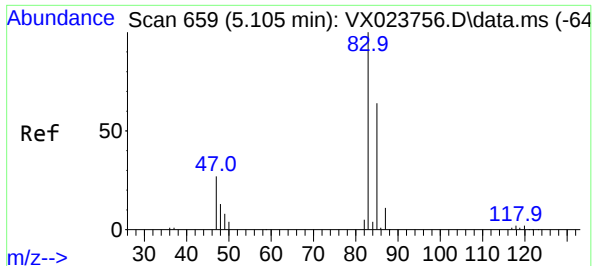
Tgt Ion: 63 Resp: 657
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 0.524 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 96 Resp: 932
Ion Ratio Lower Upper
96 100
61 149.8 0.0 285.6
98 60.5 0.0 129.6



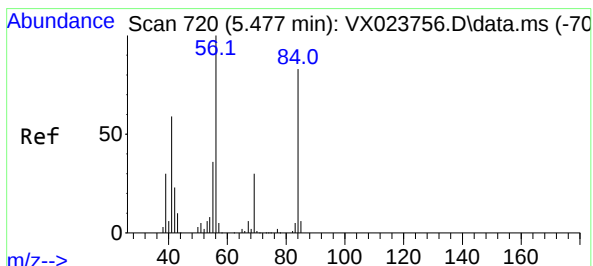
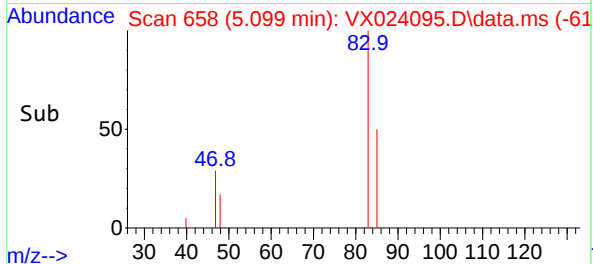
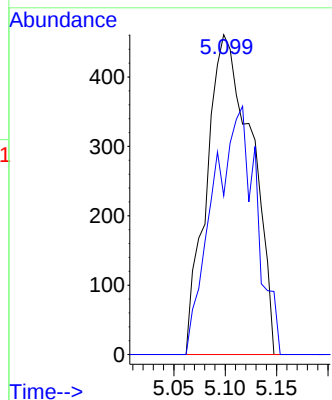
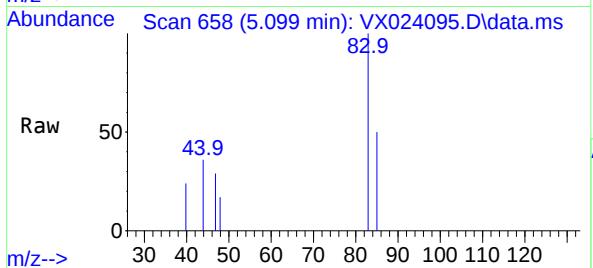


#30

Chloroform
Concen: 0.463 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Instrument :
MSVOA_X
ClientSampled :

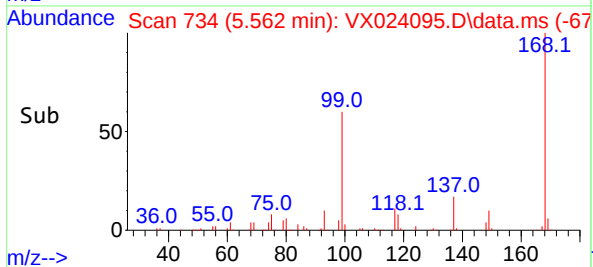
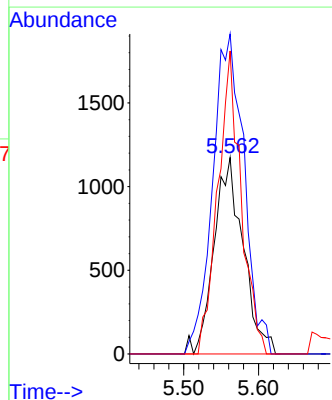
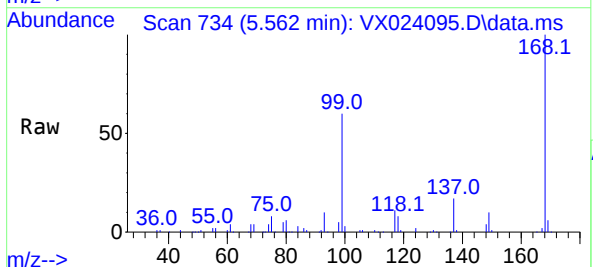
Tgt Ion: 83 Resp: 1403
Ion Ratio Lower Upper
83 100
85 49.7 52.0 78.0#

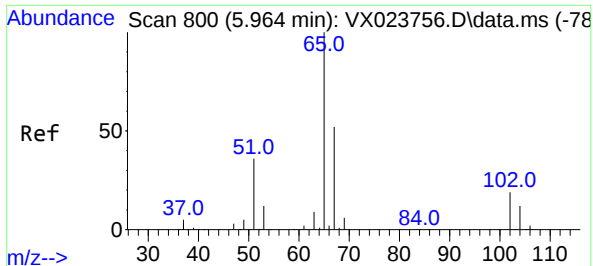


#31

Cyclohexane
Concen: 1.219 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 56 Resp: 3190
Ion Ratio Lower Upper
56 100
69 162.9 25.3 37.9#
84 154.3 71.4 107.0#



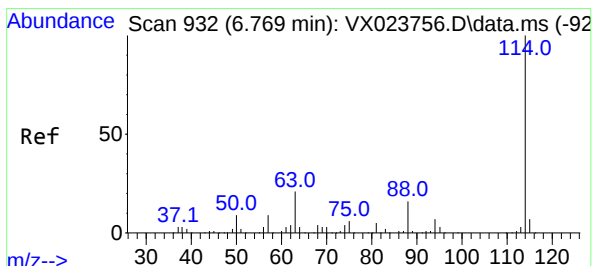
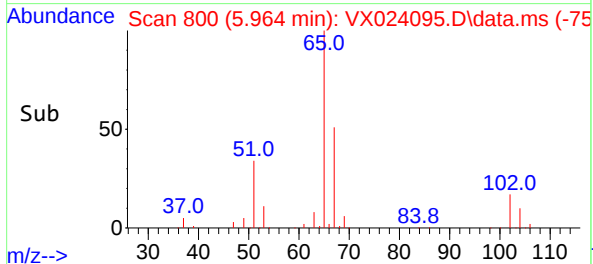
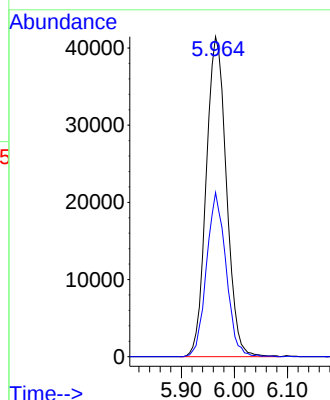
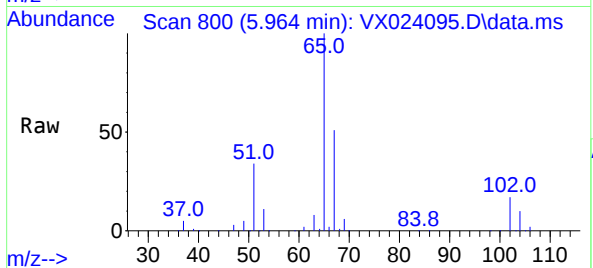


#33

1,2-Dichloroethane-d4
Concen: 53.946 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Instrument :
MSVOA_X
ClientSampled :

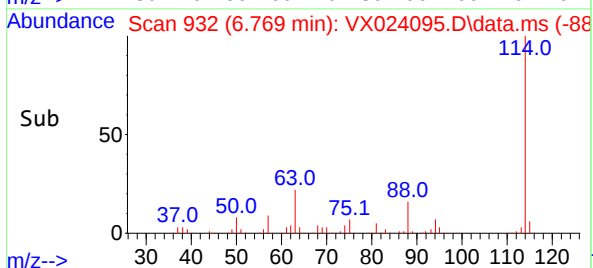
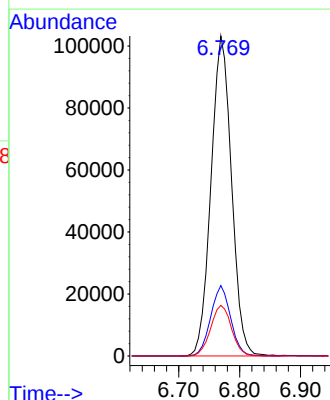
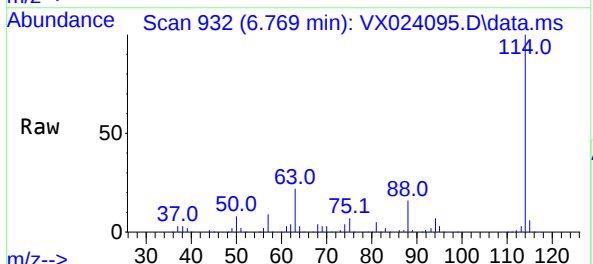
Tgt Ion: 65 Resp: 109875
Ion Ratio Lower Upper
65 100
67 49.5 0.0 105.4

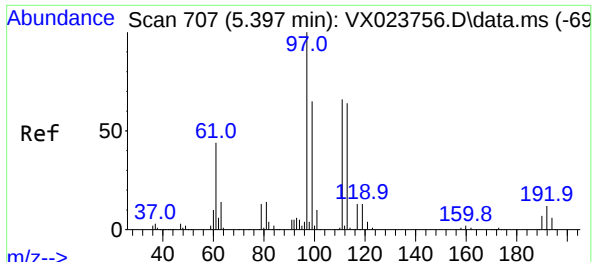


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 114 Resp: 241332
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.8
88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.110 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024095.D

Acq: 03 Sep 2021 12:20

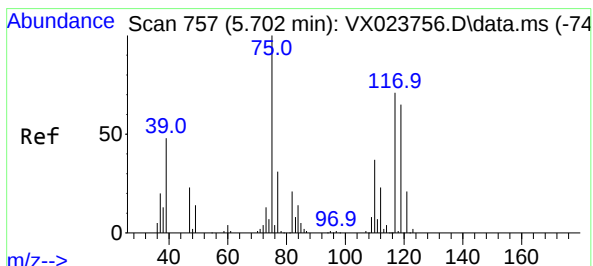
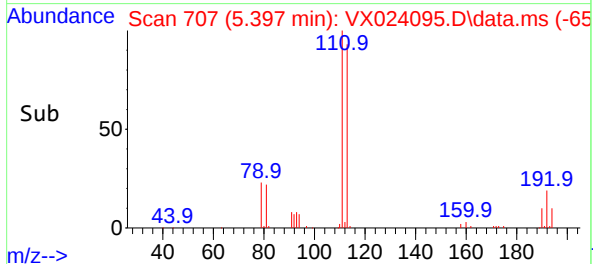
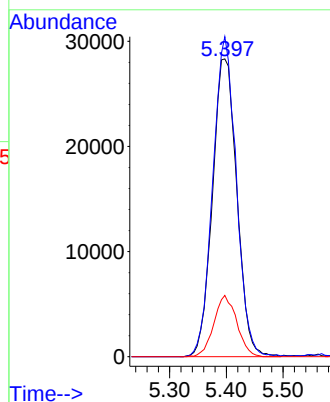
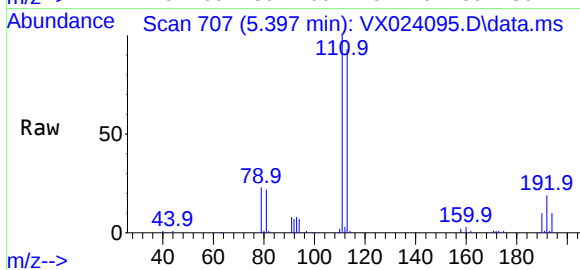
Tgt Ion:113 Resp: 84833

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 19.3 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.252 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX024095.D

Acq: 03 Sep 2021 12:20

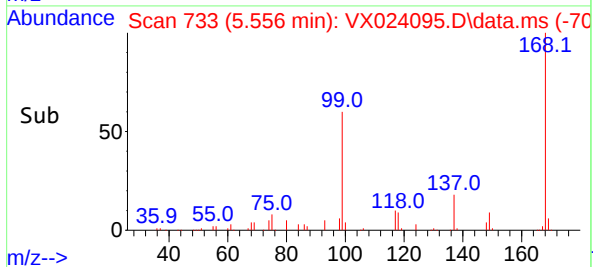
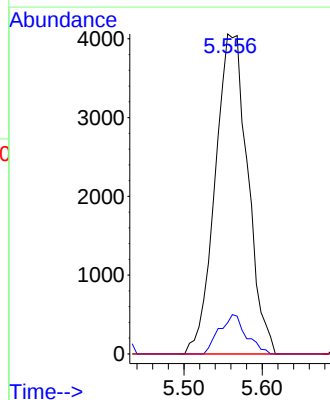
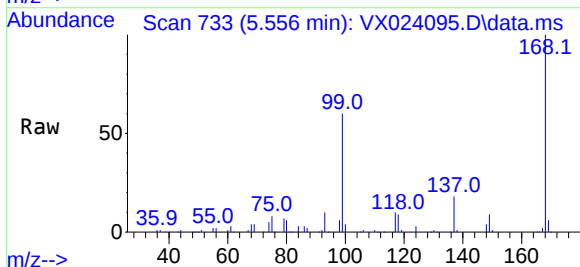
Tgt Ion: 75 Resp: 11737

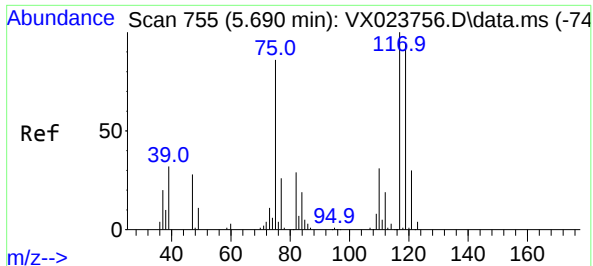
Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

77 0.0 25.3 37.9#

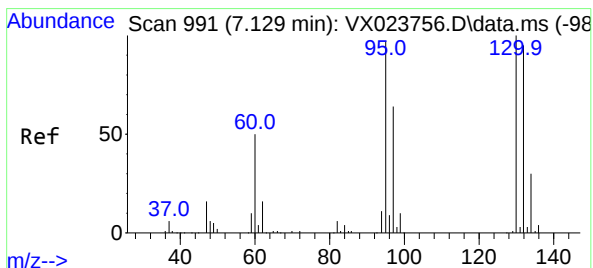
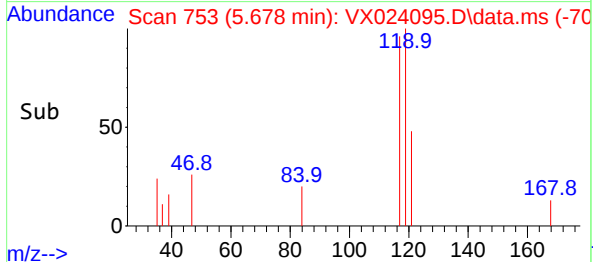
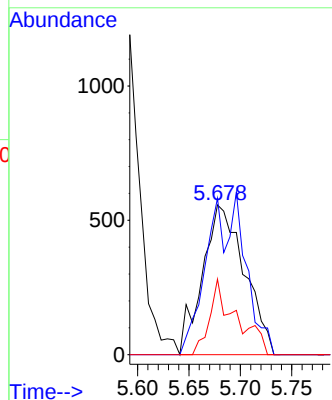
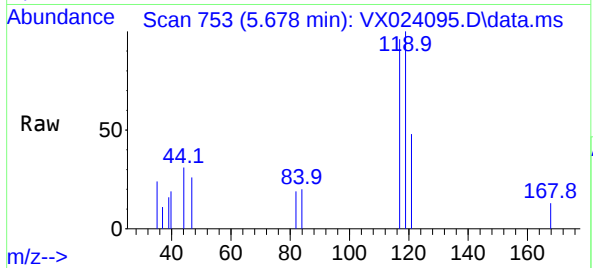




#38
Carbon Tetrachloride
Concen: 0.681 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

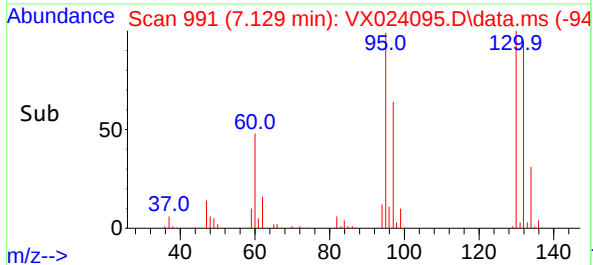
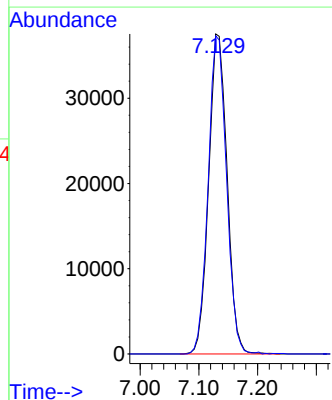
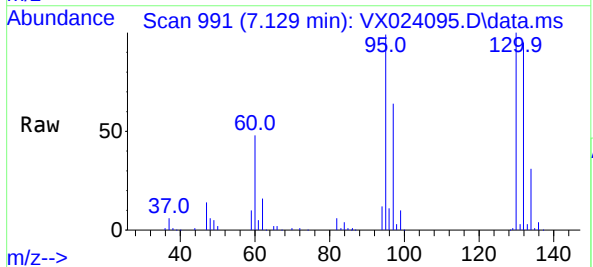
Instrument :
MSVOA_X
ClientSampled :

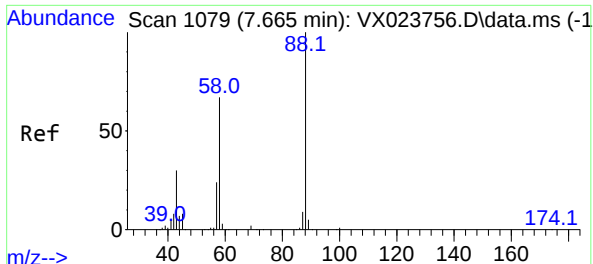
Tgt Ion:117 Resp: 1588
Ion Ratio Lower Upper
117 100
119 104.5 76.2 114.2
121 50.4 24.8 37.2#



#44
Trichloroethene
Concen: 44.717 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion:130 Resp: 81634
Ion Ratio Lower Upper
130 100
95 99.4 0.0 198.0

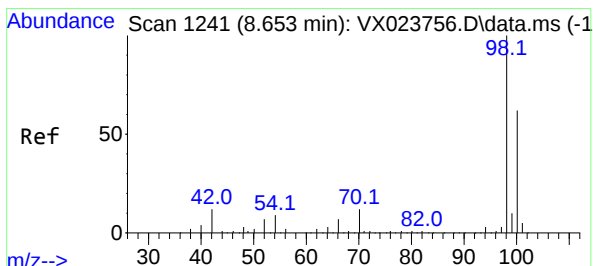
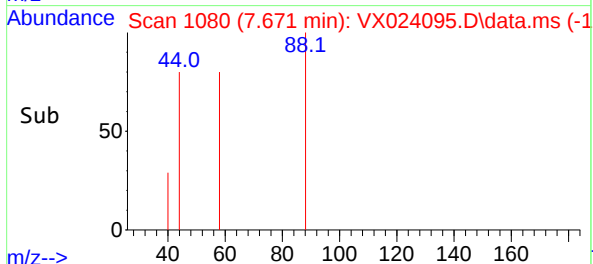
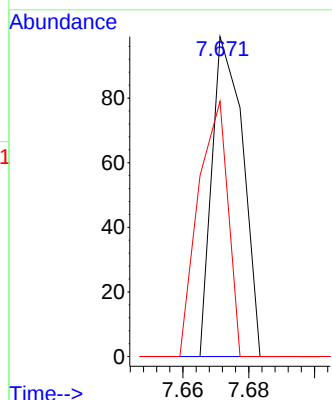
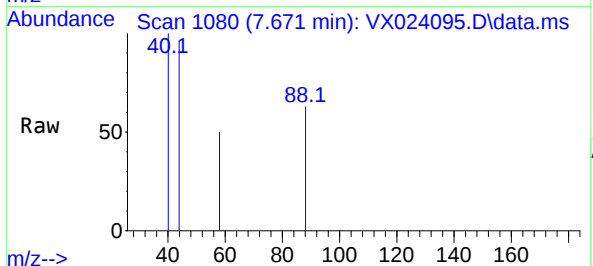




#49
1,4-Dioxane
Concen: 1.445 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

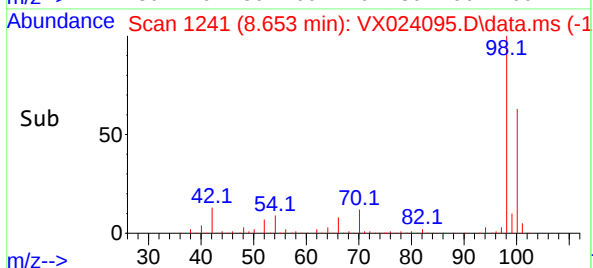
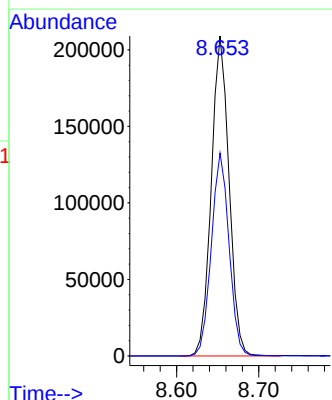
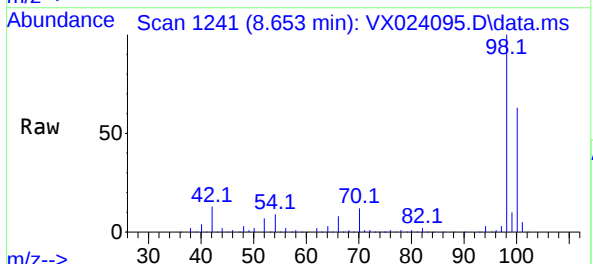
Instrument :
MSVOA_X
ClientSampled :

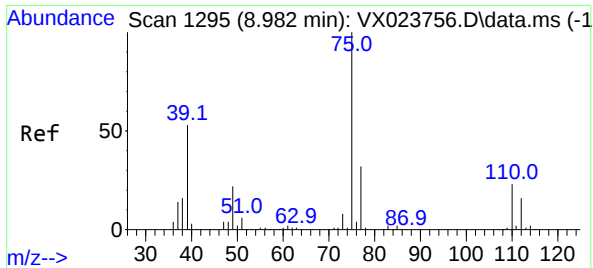
Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 76.6 55.0 82.4



#50
Toluene-d8
Concen: 51.484 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 98 Resp: 312998
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9

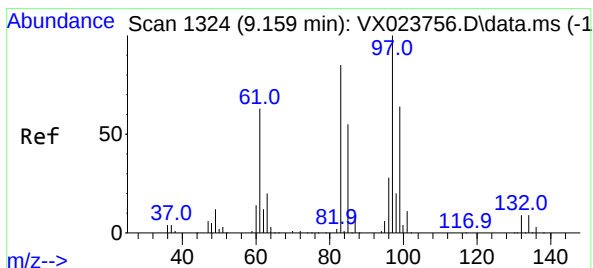
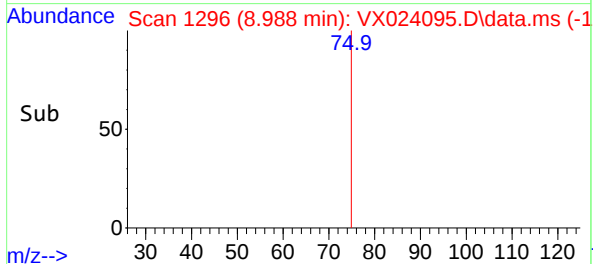
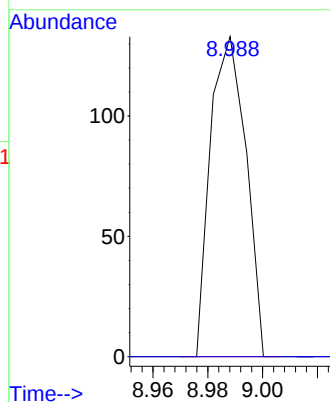
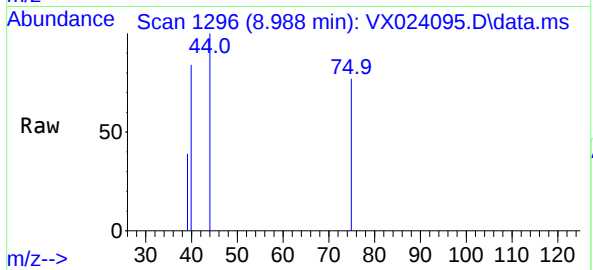




#53
t-1,3-Dichloropropene
Concen: 2.177 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

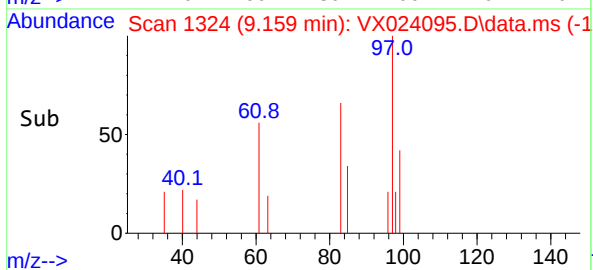
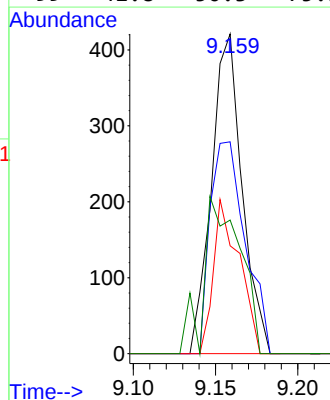
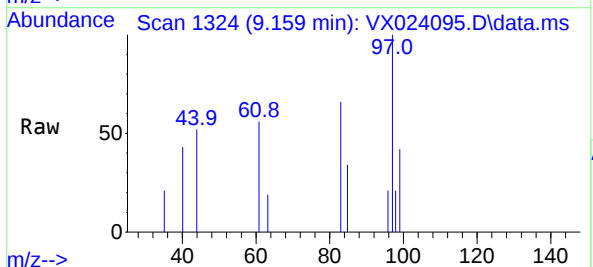
Instrument :
MSVOA_X
ClientSampled :

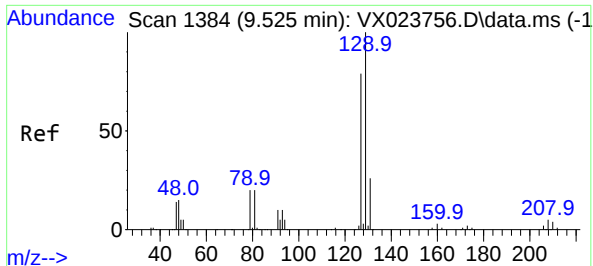
Tgt Ion: 75 Resp: 120
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#55
1,1,2-Trichloroethane
Concen: 0.309 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 97 Resp: 544
Ion Ratio Lower Upper
97 100
83 66.3 69.3 103.9#
85 33.7 44.3 66.5#
99 41.8 50.3 75.5#





#60

Dibromochloromethane

Concen: 1.698 ug/l

RT: 9.287 min Scan# 1345

Delta R.T. -0.238 min

Lab File: VX024095.D

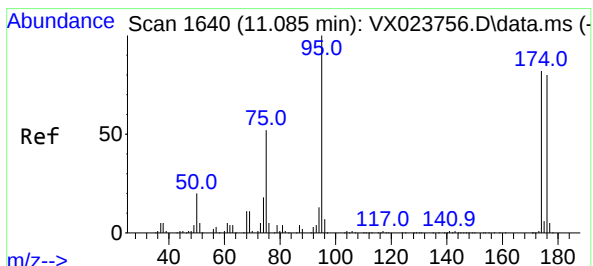
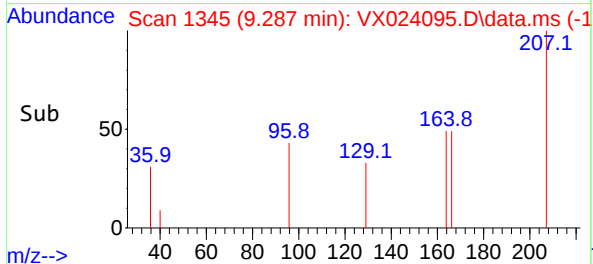
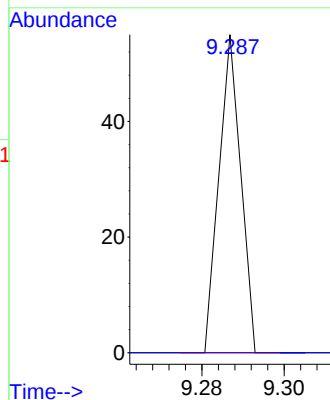
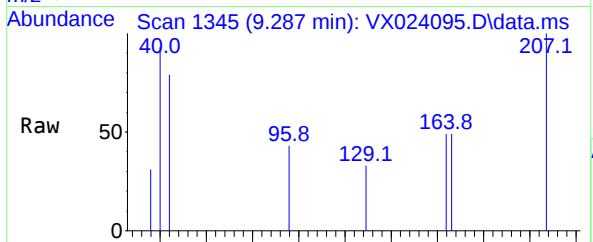
Acq: 03 Sep 2021 12:20

Tgt Ion:129 Resp: 20

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 50.131 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024095.D

Acq: 03 Sep 2021 12:20

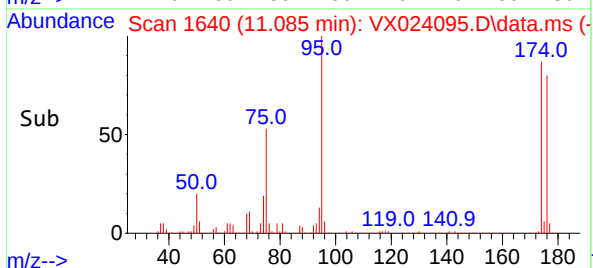
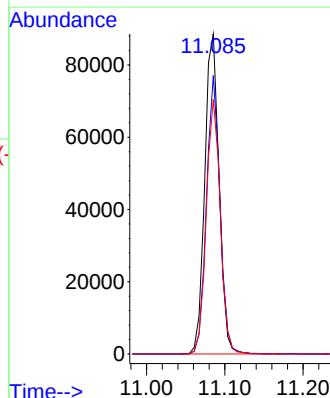
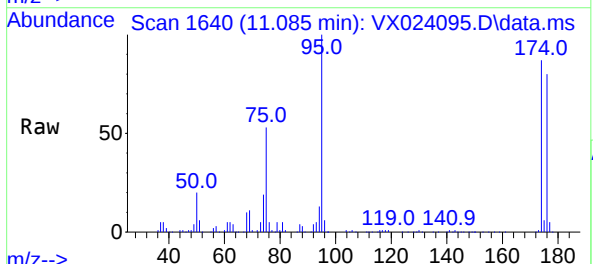
Tgt Ion: 95 Resp: 112194

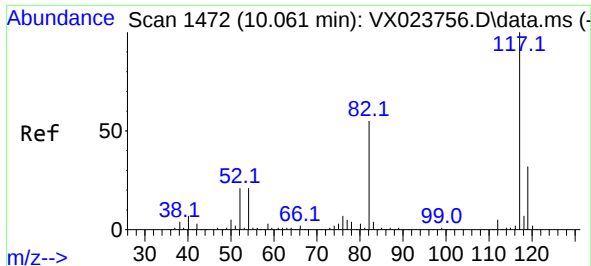
Ion Ratio Lower Upper

95 100

174 82.7 0.0 154.6

176 77.7 0.0 155.8

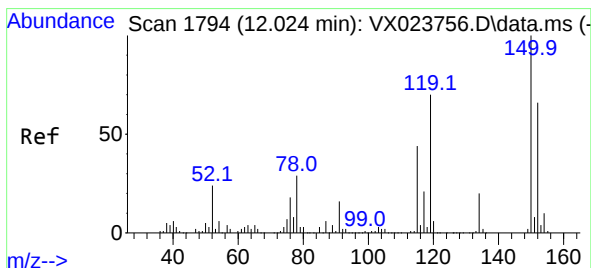
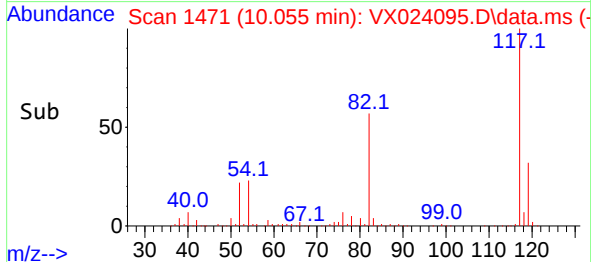
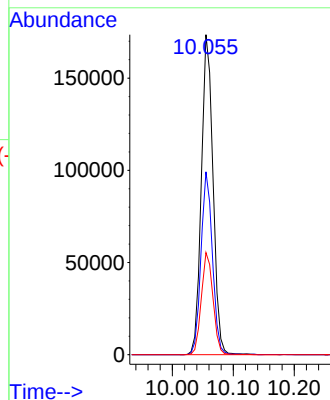
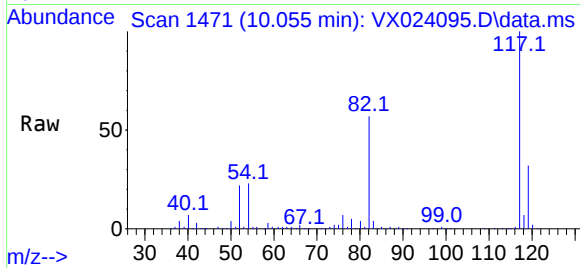




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

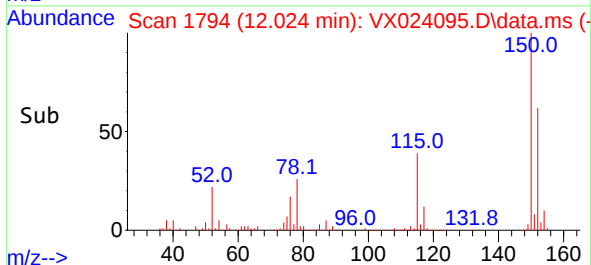
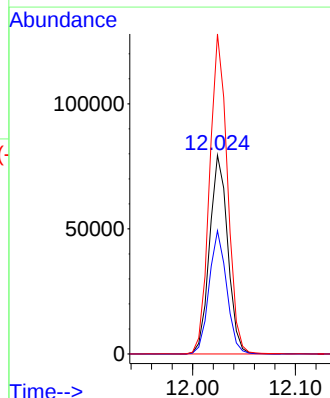
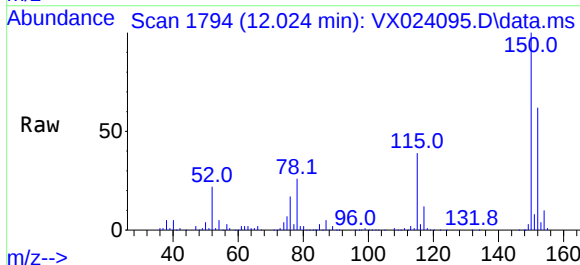
Instrument :
MSVOA_X
ClientSampleId :

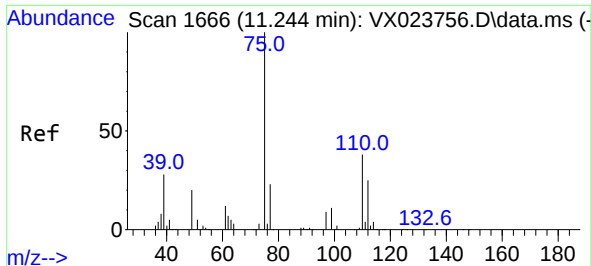
Tgt Ion:117 Resp: 231452
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion:152 Resp: 97563
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 157.9 0.0 349.0

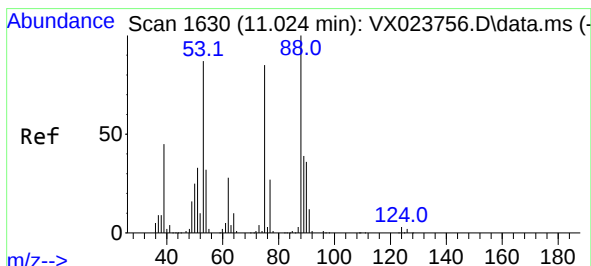
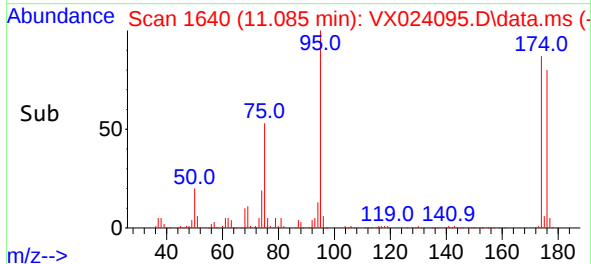
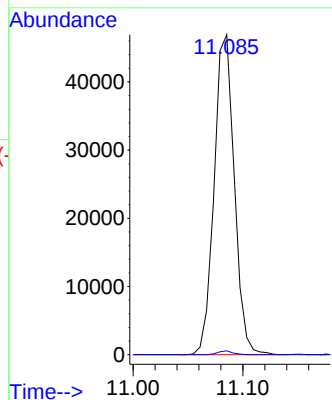
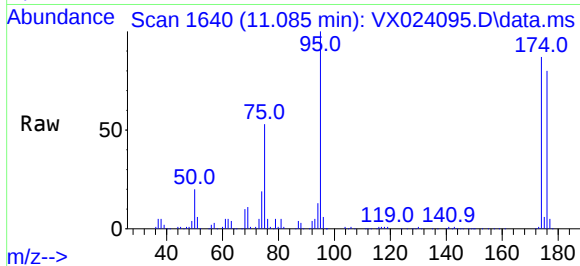




#76
1,2,3-Trichloropropane
Concen: 26.347 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

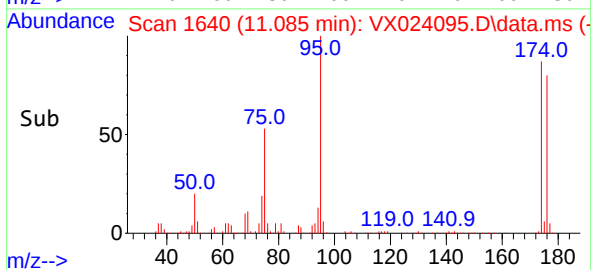
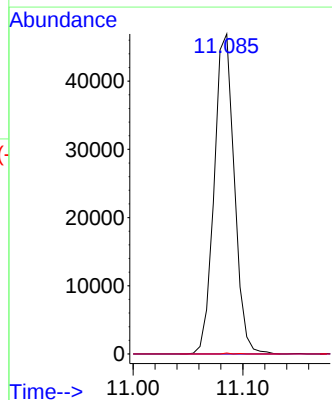
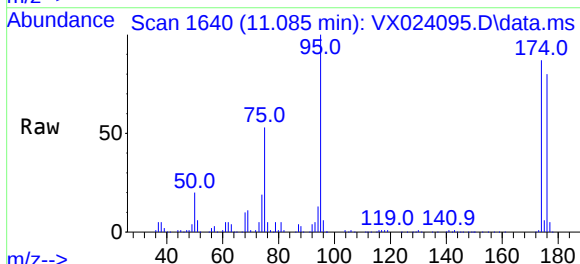
Instrument :
MSVOA_X
ClientSampled :

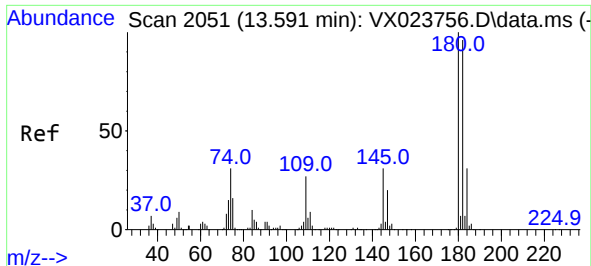
Tgt Ion: 75 Resp: 59962
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.500 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

Tgt Ion: 75 Resp: 59962
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

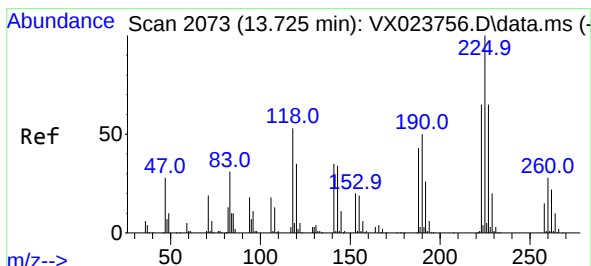
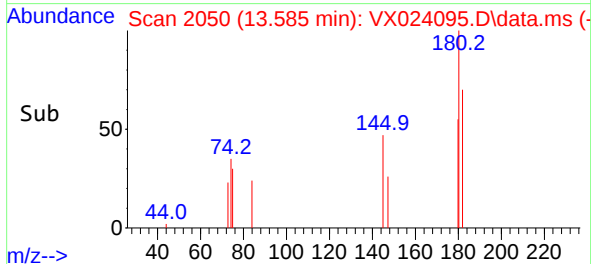
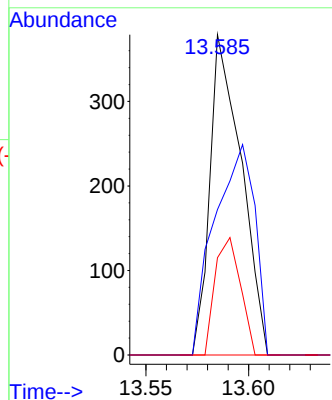
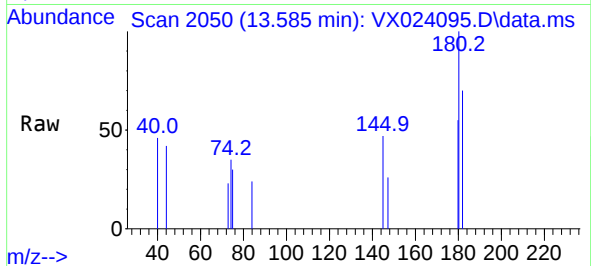




#93
1,2,4-Trichlorobenzene
Concen: 0.209 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

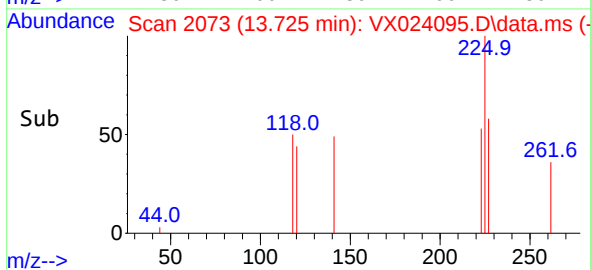
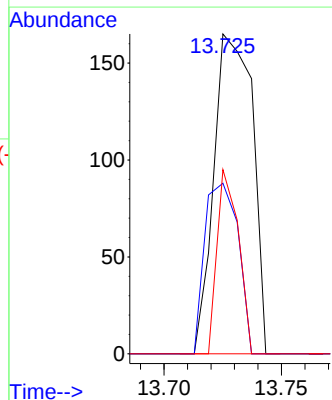
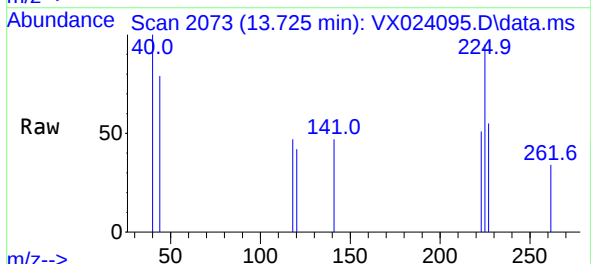
Instrument :
MSVOA_X
ClientSampled :

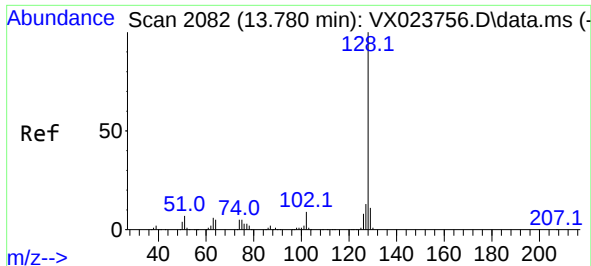
Tgt Ion:180	Resp:	404
Ion Ratio	Lower	Upper
180	100	
182	84.2	47.7 143.1
145	29.5	15.0 45.0



#94
Hexachlorobutadiene
Concen: 0.218 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

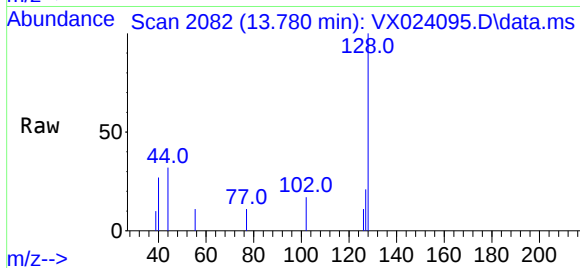
Tgt Ion:225	Resp:	188
Ion Ratio	Lower	Upper
225	100	
223	46.3	31.1 93.2
227	31.9	31.6 95.0



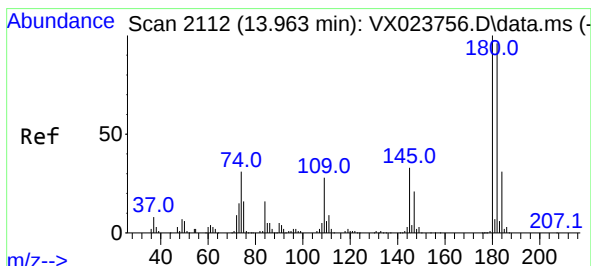
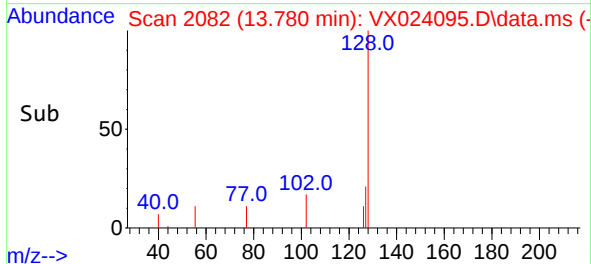
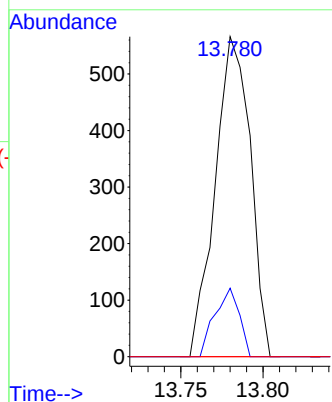


#95
Naphthalene
Concen: 1.398 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20

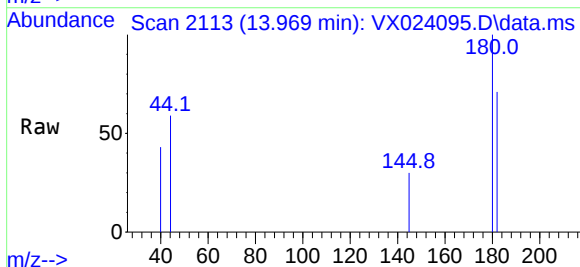
Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:128 Resp: 844
Ion Ratio Lower Upper
128 100
127 14.8 10.3 15.5
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.207 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX024095.D
Acq: 03 Sep 2021 12:20



Tgt Ion:180 Resp: 398
Ion Ratio Lower Upper
180 100
182 73.6 47.6 142.9
145 29.4 16.1 48.3

