

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082621\
 Data File : VX023959.D
 Acq On : 26 Aug 2021 12:47
 Operator : JC/MD
 Sample : M3525-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 27 05:54:57 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)

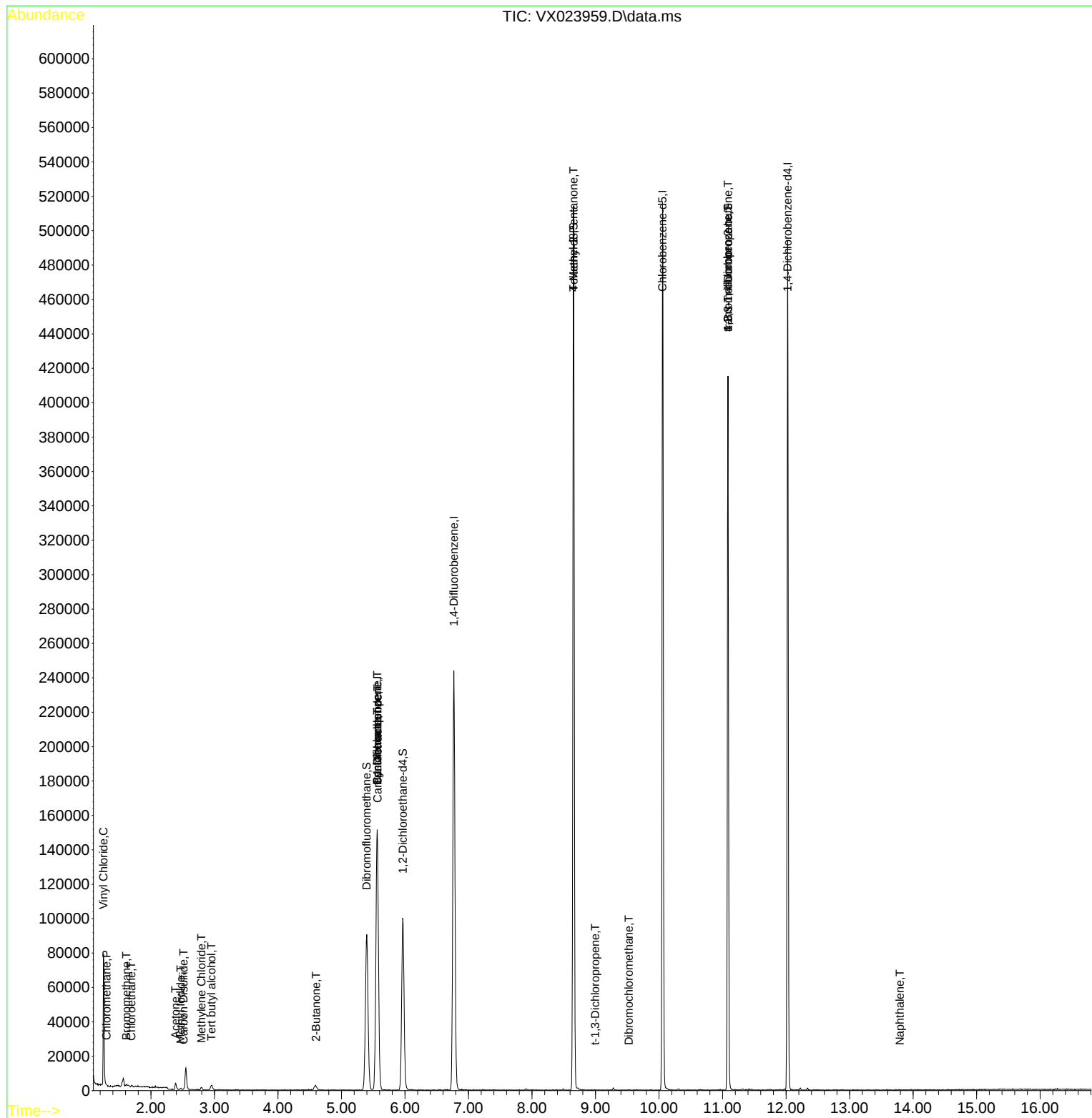
Internal Standards						
1) Pentafluorobenzene	5.562	168	139033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239709	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98934	50.985	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.960%
35) Dibromofluoromethane	5.397	113	76978	48.518	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.040%
50) Toluene-d8	8.652	98	285725	47.317	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.640%
62) 4-Bromofluorobenzene	11.085	95	101961	45.867	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.740%
Target Compounds						Qvalue
3) Chloromethane	1.300	50	437	0.271	ug/l #	83
4) Vinyl Chloride	1.251	62	612	0.390	ug/l #	12
5) Bromomethane	1.611	94	871	0.882	ug/l #	68
6) Chloroethane	1.690	64	290	2.429	ug/l #	43
10) Methyl Iodide	2.465	142	962	0.495	ug/l #	86
11) Tert butyl alcohol	2.952	59	2036	5.188	ug/l #	73
16) Acetone	2.385	43	3912	4.509	ug/l #	87
17) Carbon Disulfide	2.513	76	694	0.218	ug/l #	75
20) Methylene Chloride	2.794	84	686	0.414	ug/l #	78
25) 2-Butanone	4.598	43	263	0.200	ug/l #	45
31) Cyclohexane	5.562	56	3148	1.263	ug/l #	22
36) 1,1-Dichloropropene	5.562	75	11069	4.986	ug/l #	48
38) Carbon Tetrachloride	5.568	117	14518	6.272	ug/l #	15
51) 4-Methyl-2-Pentanone	8.652	43	1381	0.501	ug/l #	1
53) t-1,3-Dichloropropene	8.994	75	117	2.177	ug/l #	44
60) Dibromochloromethane	9.524	129	28	1.702	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	55762	24.539	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55762	72.184	ug/l #	12
95) Naphthalene	13.792	128	322	1.326	ug/l #	69

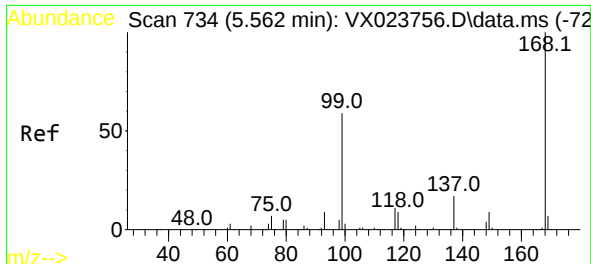
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :

Quant Time: Aug 27 05:54:57 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

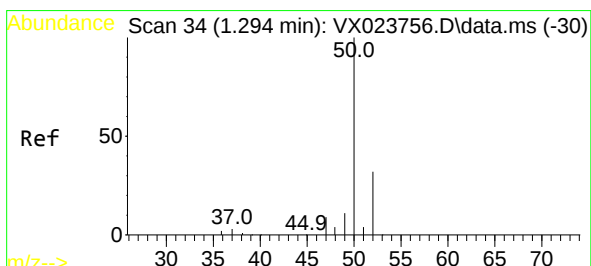
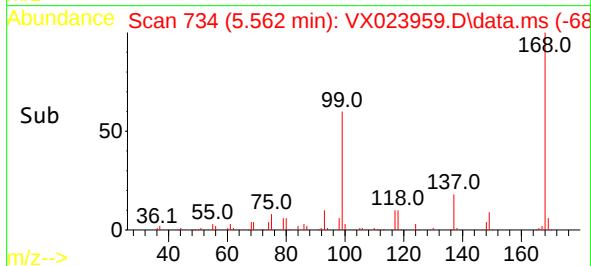
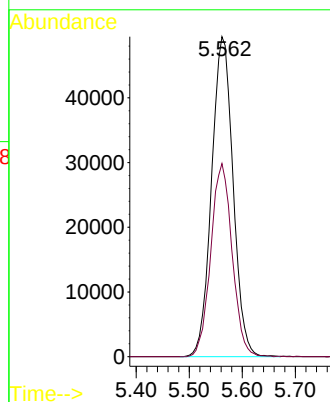
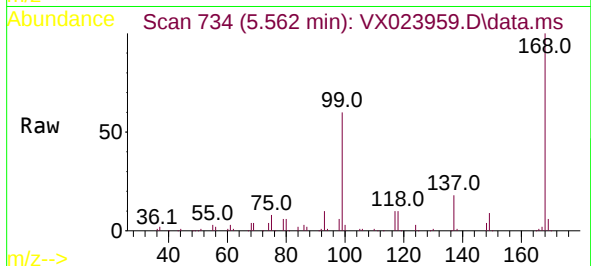




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

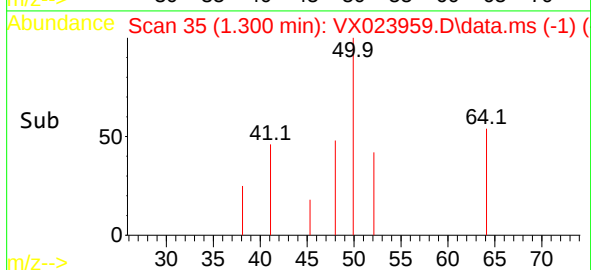
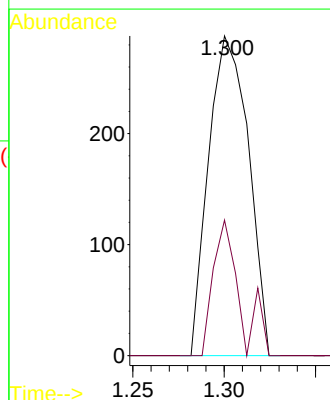
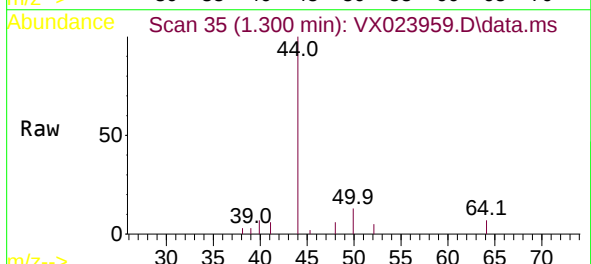
Instrument :
MSVOA_X
ClientSampleId :

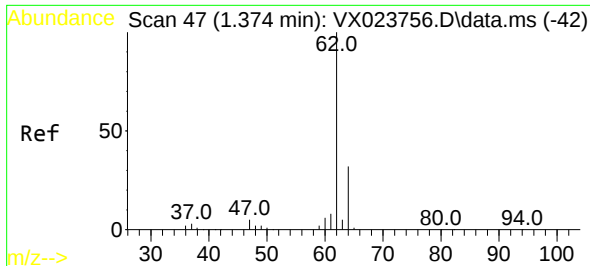
Tgt Ion:168 Resp: 139033
Ion Ratio Lower Upper
168 100
99 60.4 45.8 68.6



#3
Chloromethane
Concen: 0.271 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

Tgt Ion: 50 Resp: 437
Ion Ratio Lower Upper
50 100
52 42.4 26.4 39.6#

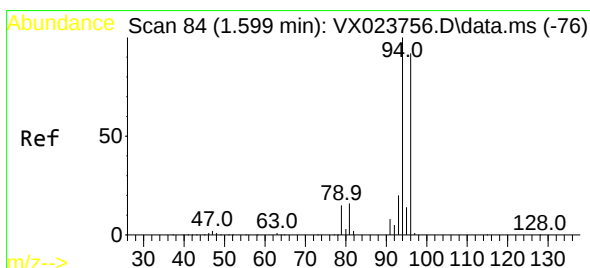
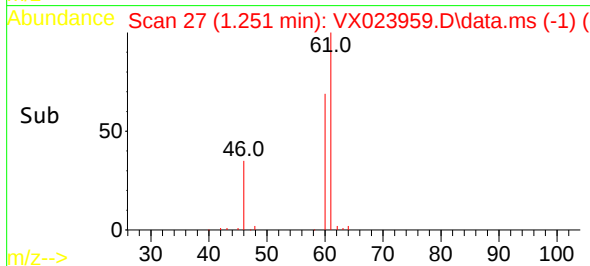
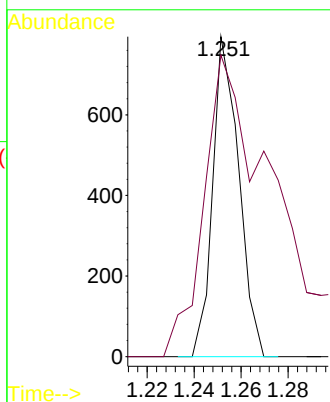
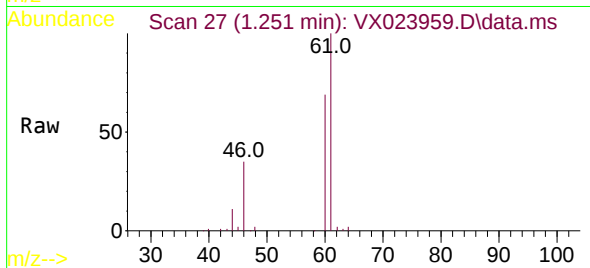




#4
 Vinyl Chloride
 Concen: 0.390 ug/l
 RT: 1.251 min Scan# 27
 Delta R.T. -0.123 min
 Lab File: VX023959.D
 Acq: 26 Aug 2021 12:47

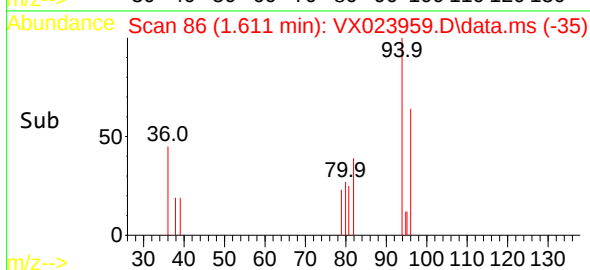
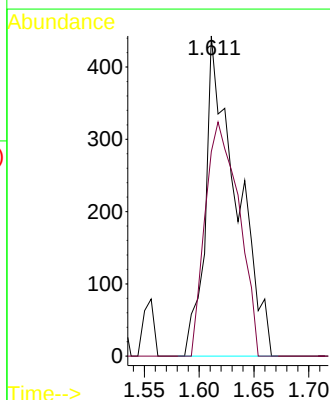
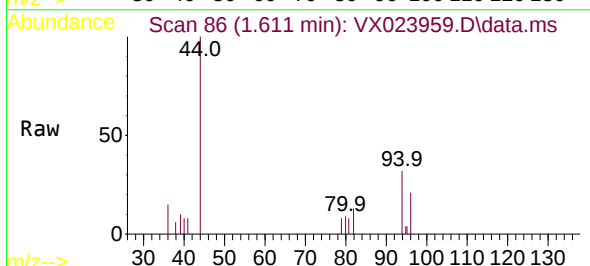
Instrument :
 MSVOA_X
 ClientSampleId :

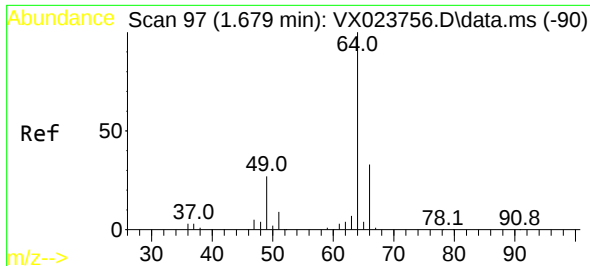
Tgt Ion: 62 Resp: 612
 Ion Ratio Lower Upper
 62 100
 64 81.1 25.7 38.5#



#5
 Bromomethane
 Concen: 0.882 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX023959.D
 Acq: 26 Aug 2021 12:47

Tgt Ion: 94 Resp: 871
 Ion Ratio Lower Upper
 94 100
 96 63.9 76.4 114.6#

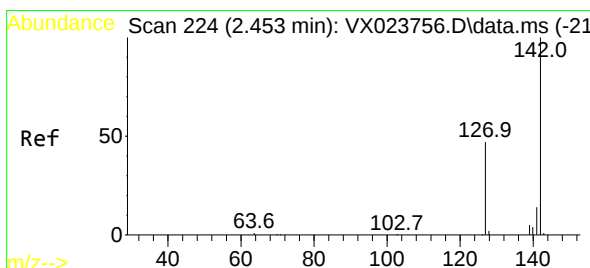
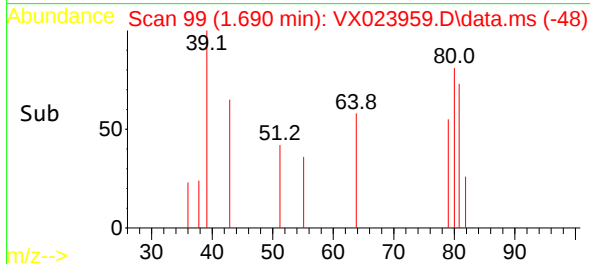
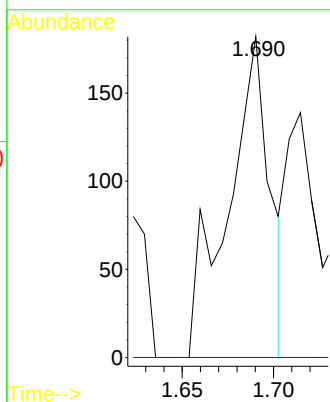
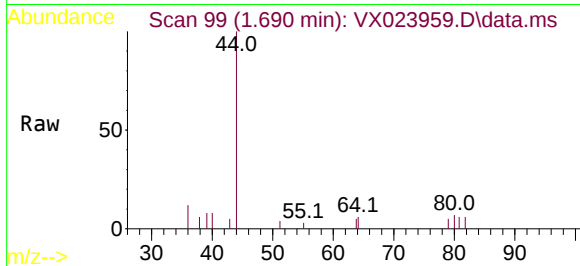




#6
Chloroethane
Concen: 2.429 ug/l
RT: 1.690 min Scan# 99
Delta R.T. 0.011 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

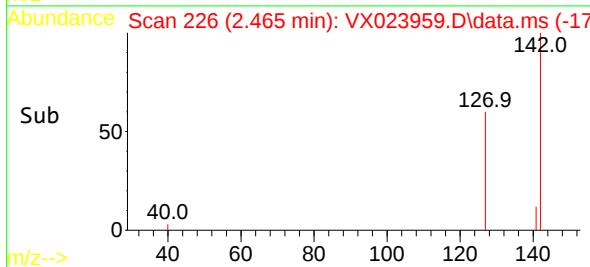
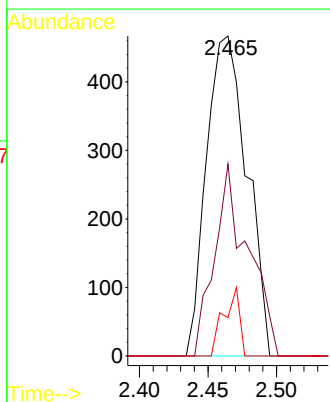
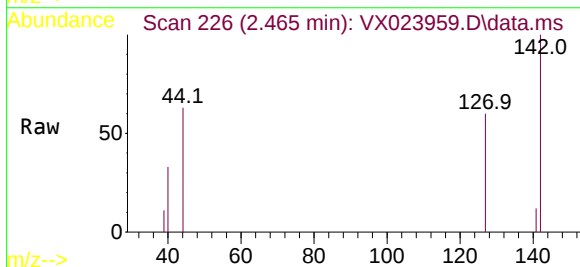
Instrument :
MSVOA_X
ClientSampleId :

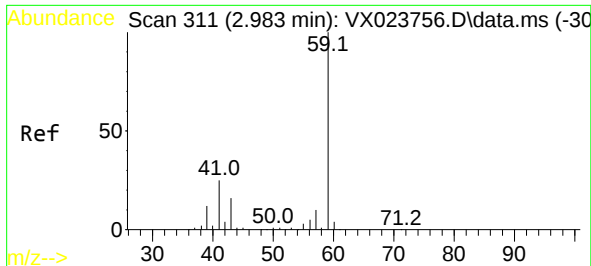
Tgt Ion: 64 Resp: 290
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.495 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

Tgt Ion: 142 Resp: 962
Ion Ratio Lower Upper
142 100
127 50.0 33.3 49.9#
141 8.3 11.4 17.0#



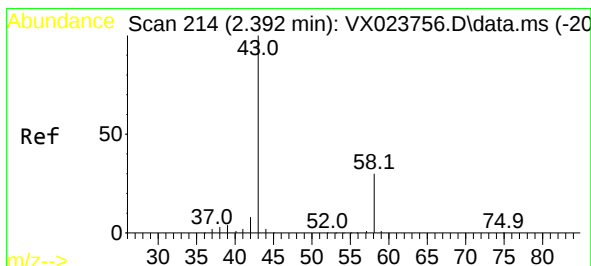
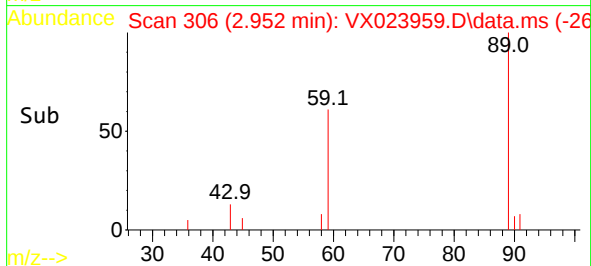
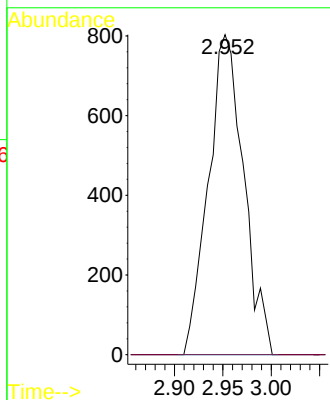
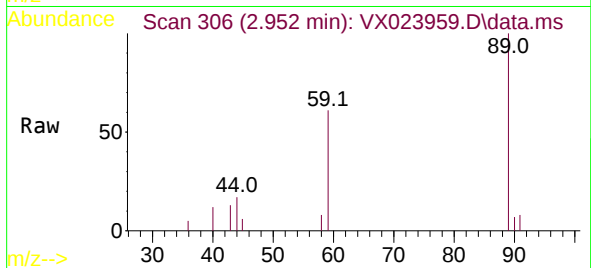


#11

Tert butyl alcohol
Concen: 5.188 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

Tgt Ion: 59 Resp: 2036
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

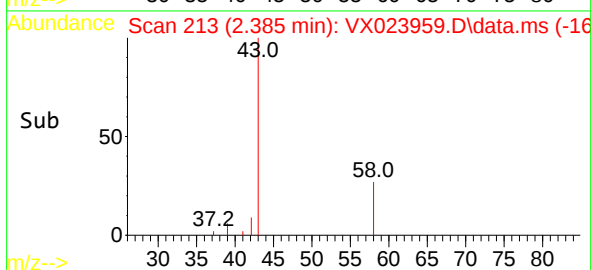
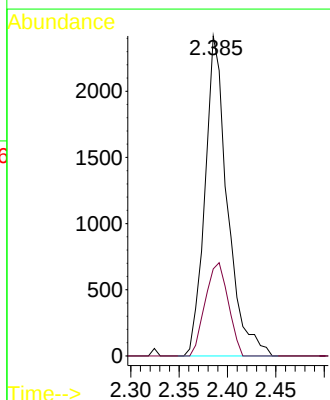
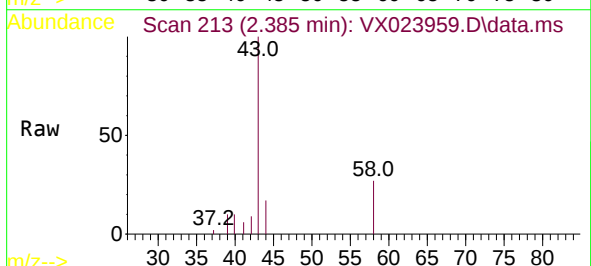
Instrument :
MSVOA_X
ClientSampled :

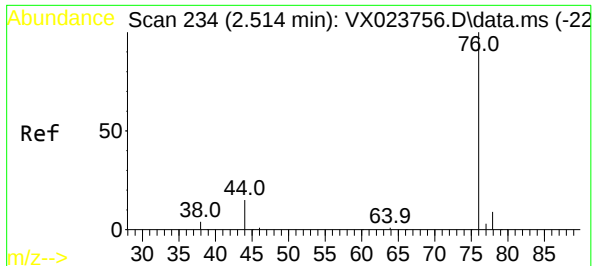


#16

Acetone
Concen: 4.509 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

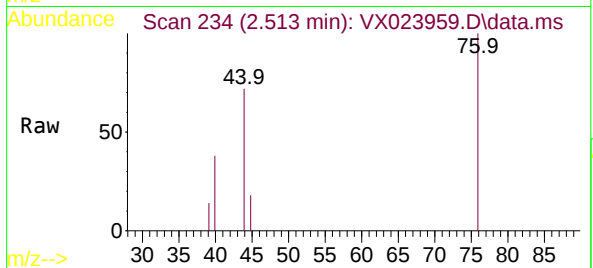
Tgt Ion: 43 Resp: 3912
Ion Ratio Lower Upper
43 100
58 27.2 27.8 41.8#



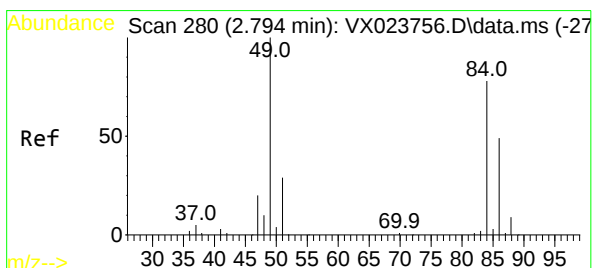
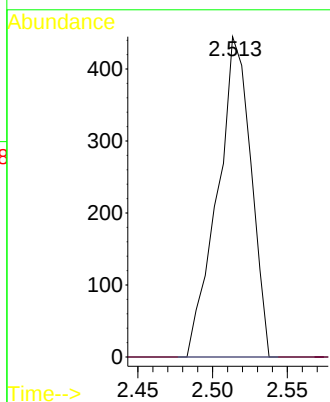
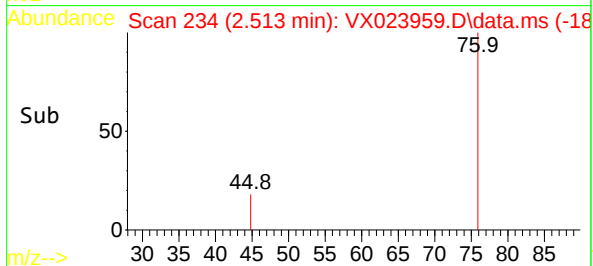


#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

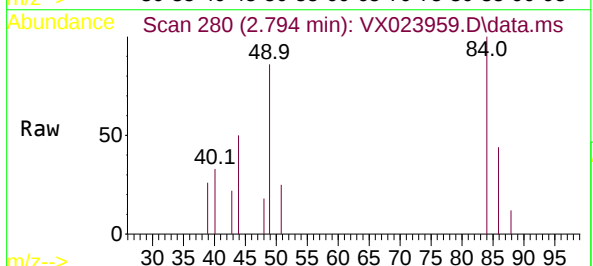
Instrument :
MSVOA_X
ClientSampled :



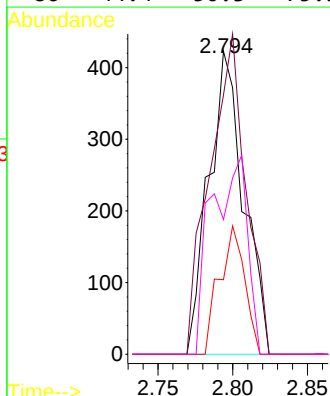
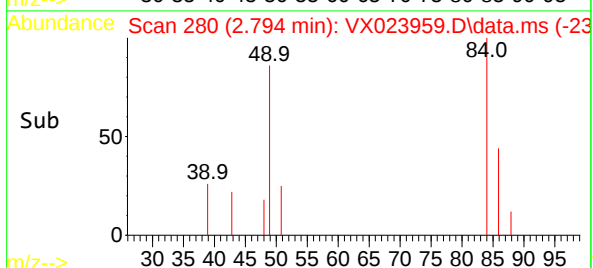
Tgt Ion: 76 Resp: 694
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

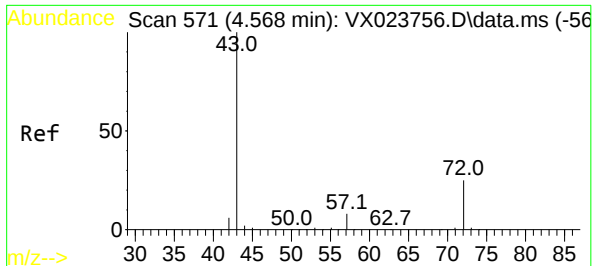


#20
Methylene Chloride
Concen: 0.414 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47



Tgt Ion: 84 Resp: 686
Ion Ratio Lower Upper
84 100
49 85.6 88.6 132.8#
51 24.6 27.0 40.6#
86 44.4 50.3 75.5#





#25

2-Butanone

Concen: 0.200 ug/l

RT: 4.598 min Scan# 576

Delta R.T. 0.030 min

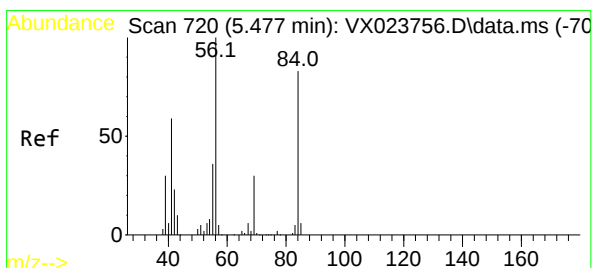
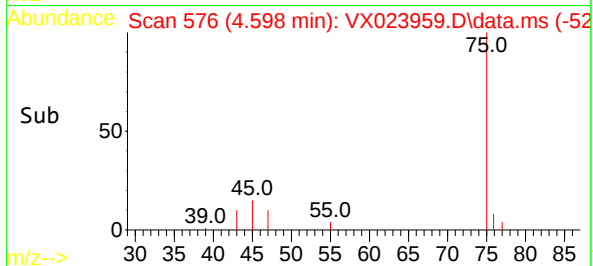
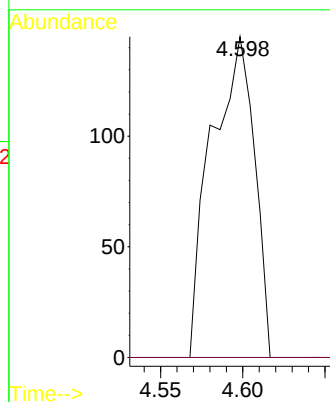
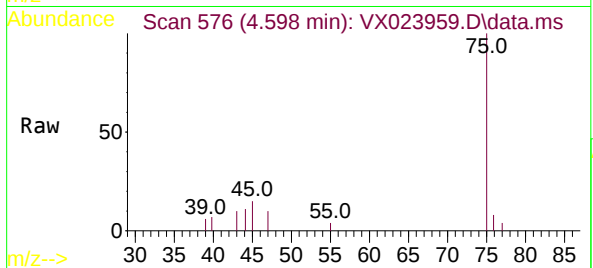
Lab File: VX023959.D

Acq: 26 Aug 2021 12:47

Tgt Ion: 43 Resp: 263

Ion Ratio Lower Upper

43 100
72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

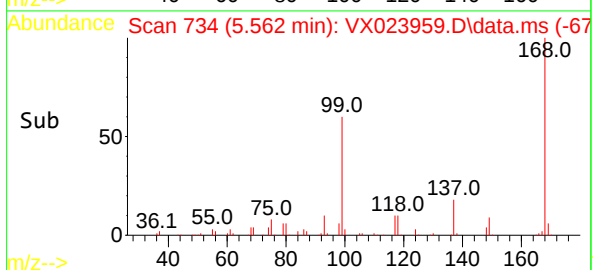
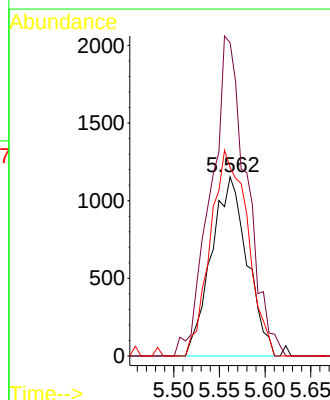
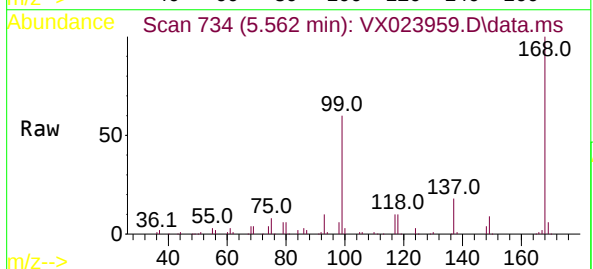
Lab File: VX023959.D

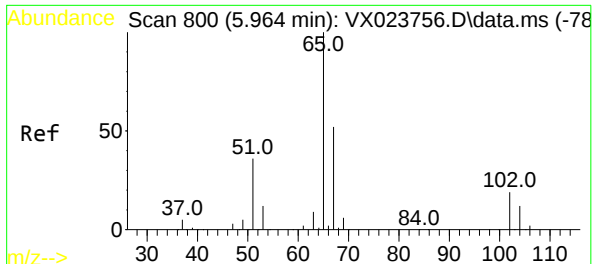
Acq: 26 Aug 2021 12:47

Tgt Ion: 56 Resp: 3148

Ion Ratio Lower Upper

56 100
69 169.3 25.3 37.9#
84 105.3 71.4 107.0



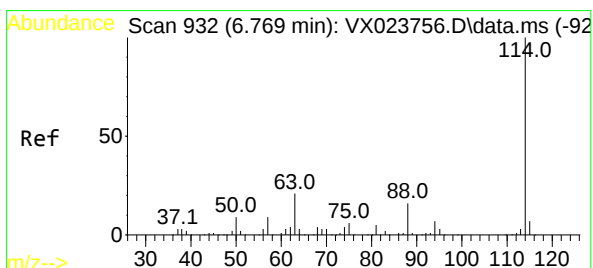
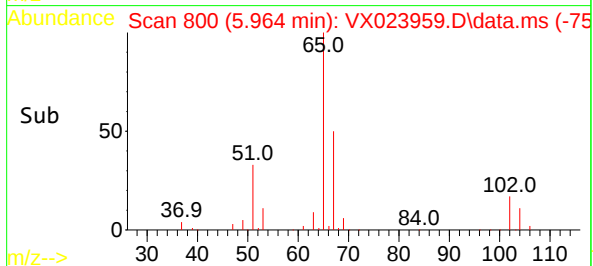
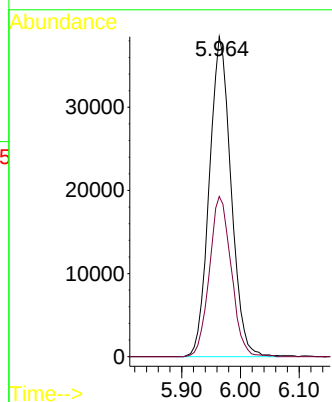
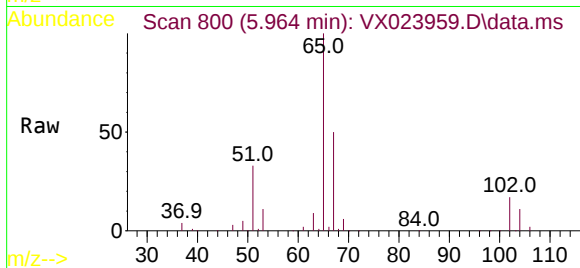


#33

1,2-Dichloroethane-d4
Concen: 50.985 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

Instrument :
MSVOA_X
ClientSampled :

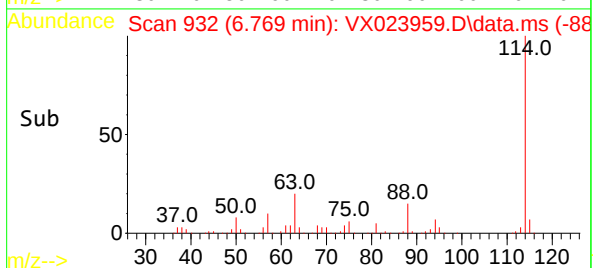
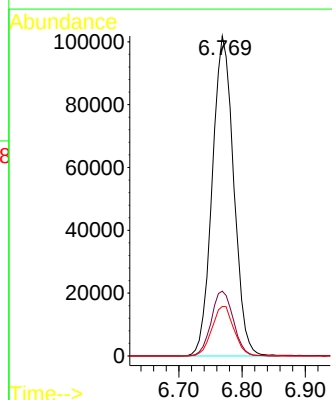
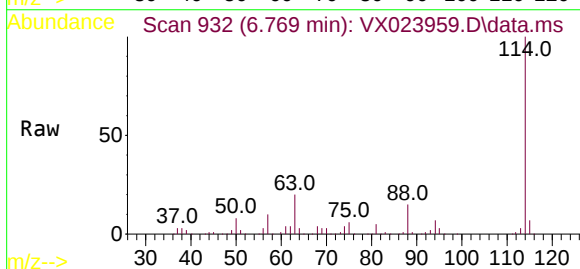
Tgt Ion: 65 Resp: 98934
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

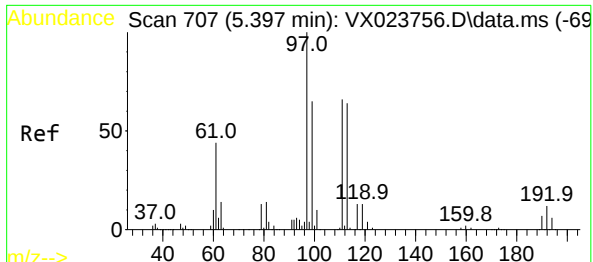


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

Tgt Ion: 114 Resp: 239709
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 15.5 0.0 32.8

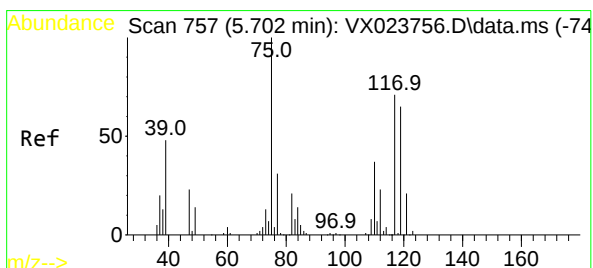
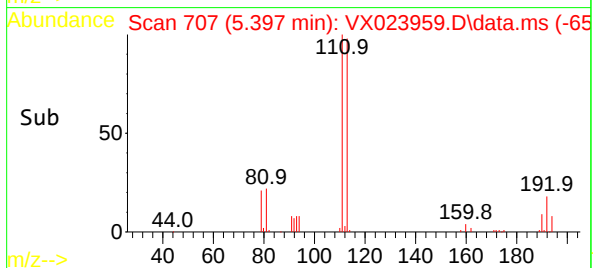
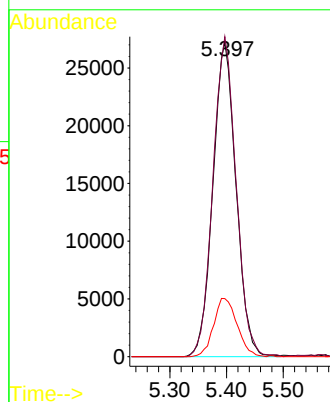
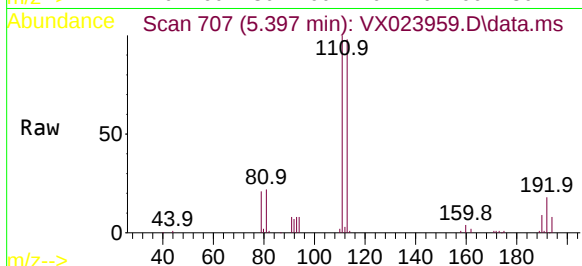




#35
Dibromofluoromethane
Concen: 48.518 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

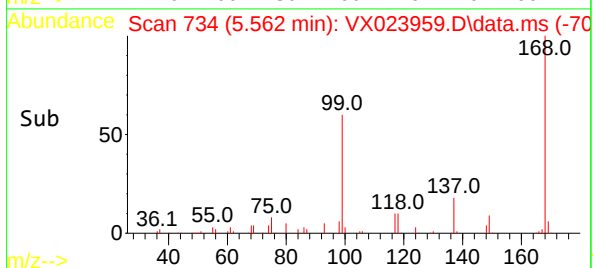
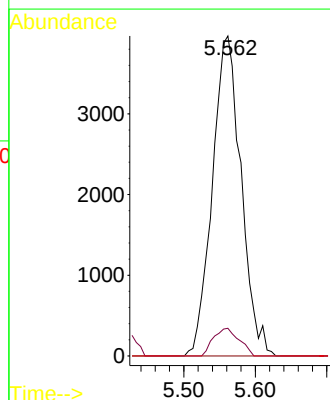
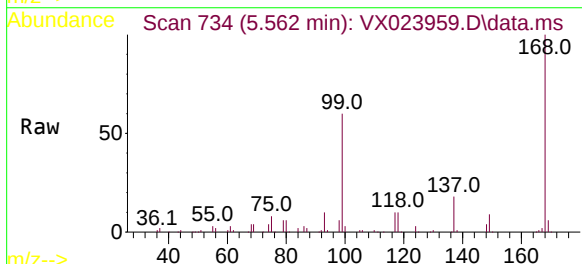
Instrument :
MSVOA_X
ClientSampleId :

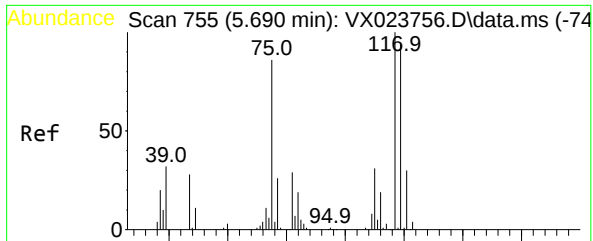
Tgt Ion:	113	Resp:	76978
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	18.9	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.986 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

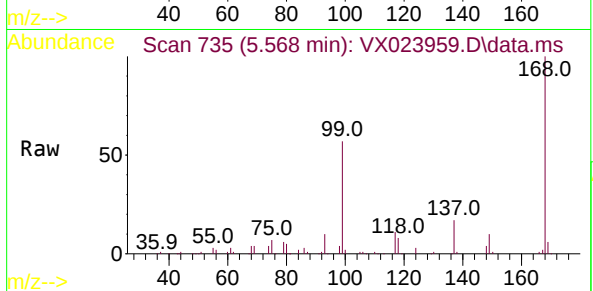
Tgt Ion:	75	Resp:	11069
Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.1	54.4#
77	0.0	25.3	37.9#



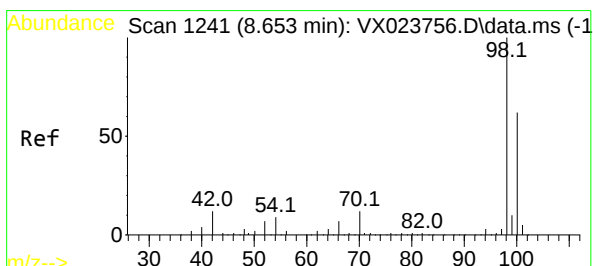
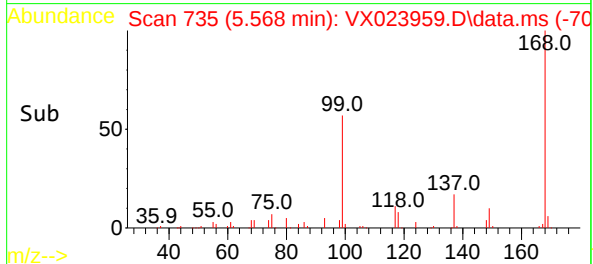
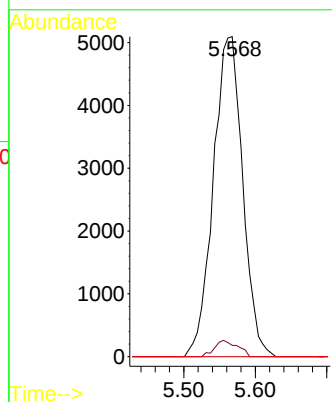


#38
Carbon Tetrachloride
Concen: 6.272 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

Instrument :
MSVOA_X
ClientSampled :

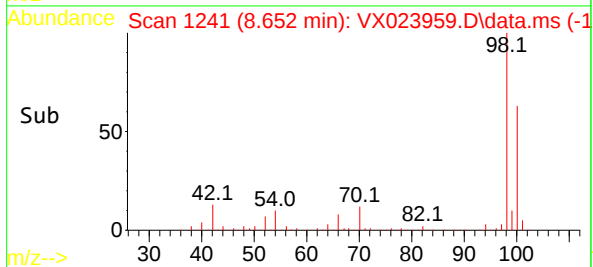
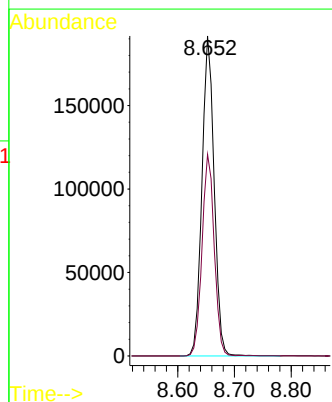
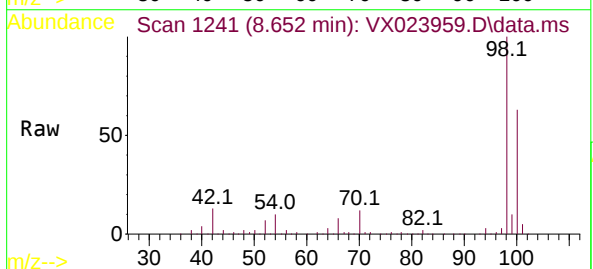


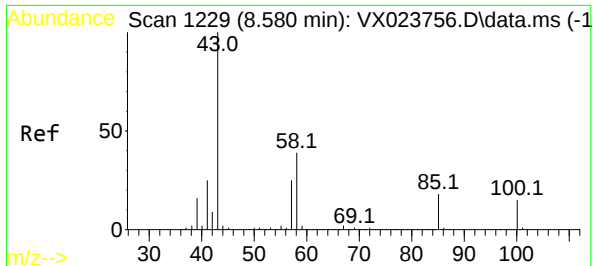
Tgt Ion:117 Resp: 14518
Ion Ratio Lower Upper
117 100
119 3.5 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.317 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.001 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

Tgt Ion: 98 Resp: 285725
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9

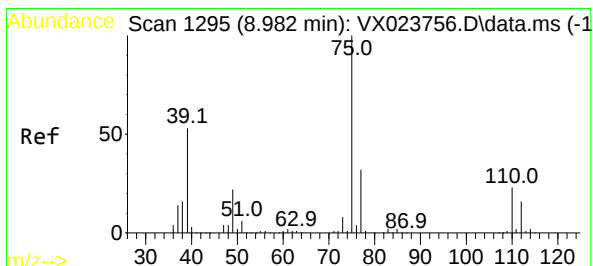
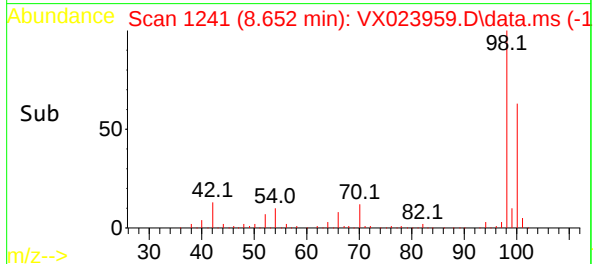
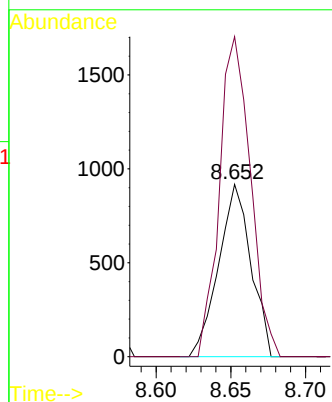
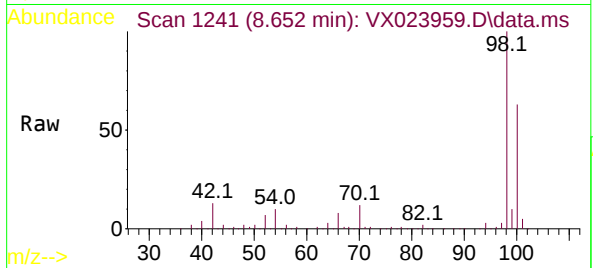




#51
4-Methyl-2-Pentanone
Concen: 0.501 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.072 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

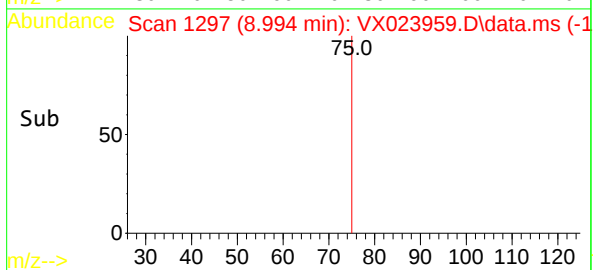
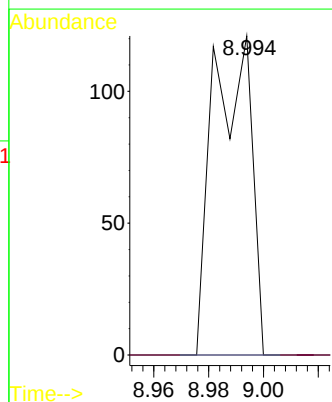
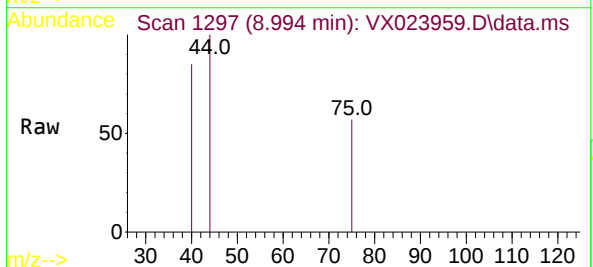
Instrument :
MSVOA_X
ClientSampled :

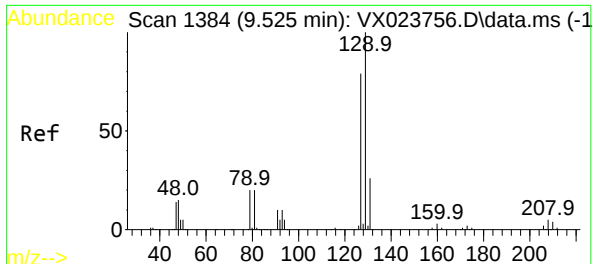
Tgt Ion: 43 Resp: 1381
Ion Ratio Lower Upper
43 100
58 177.8 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.177 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

Tgt Ion: 75 Resp: 117
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#





#60

Dibromochloromethane

Concen: 1.702 ug/l

RT: 9.524 min Scan# 1384

Delta R.T. -0.001 min

Lab File: VX023959.D

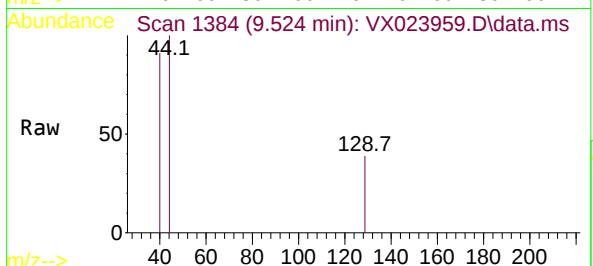
Acq: 26 Aug 2021 12:47

Tgt Ion:129 Resp: 28

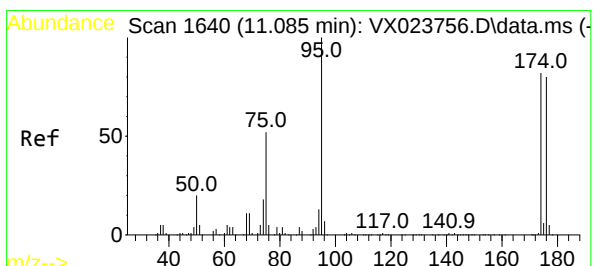
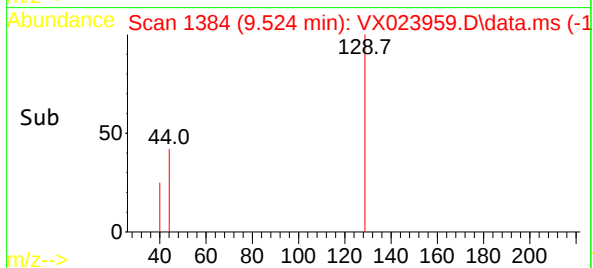
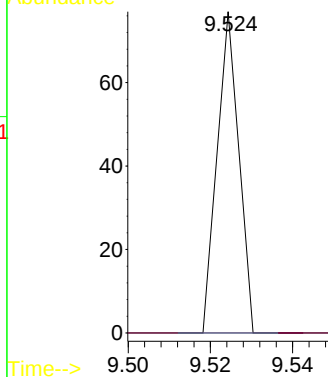
Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance



#62

4-Bromofluorobenzene

Concen: 45.867 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX023959.D

Acq: 26 Aug 2021 12:47

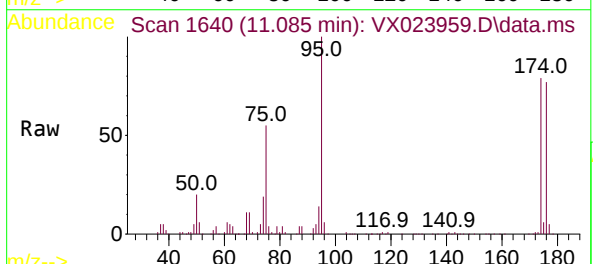
Tgt Ion: 95 Resp: 101961

Ion Ratio Lower Upper

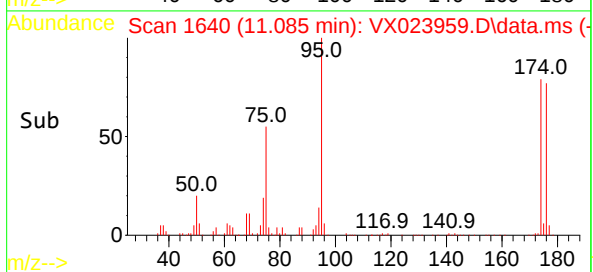
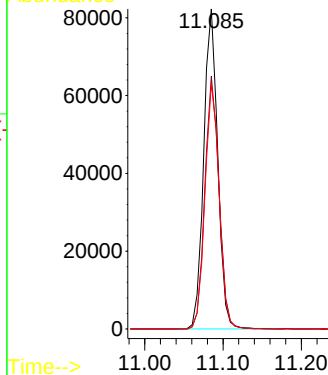
95 100

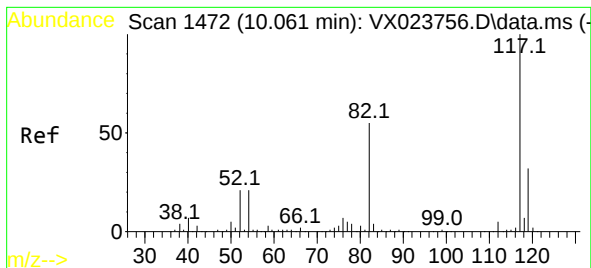
174 80.0 0.0 154.6

176 77.6 0.0 155.8



Abundance

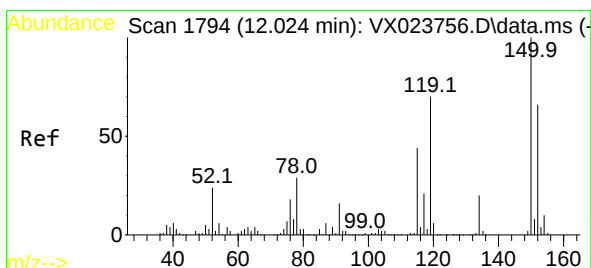
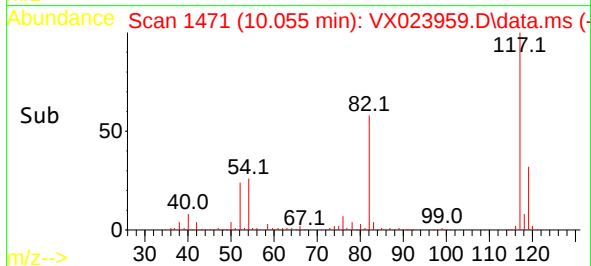
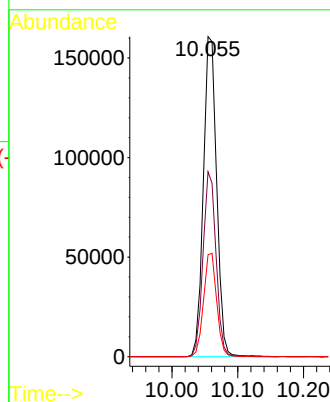
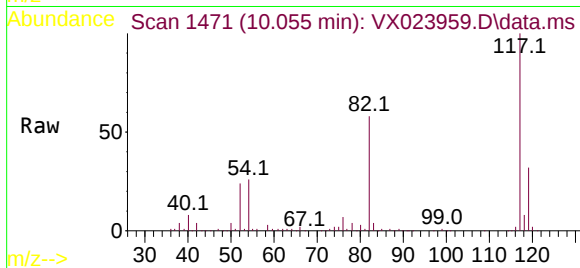




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

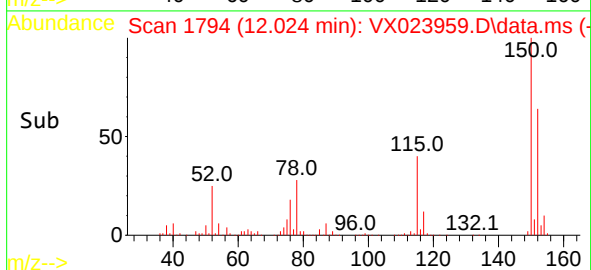
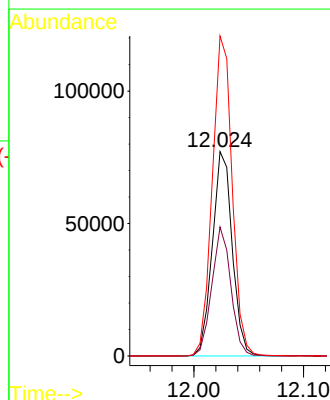
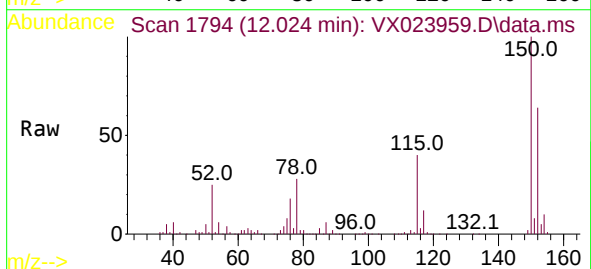
Instrument :
MSVOA_X
ClientSampleId :

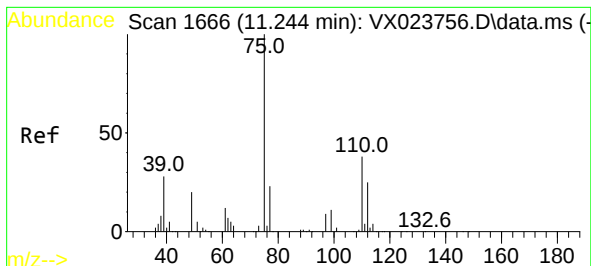
Tgt Ion:117 Resp: 226041
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

Tgt Ion:152 Resp: 97411
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 156.0 0.0 349.0

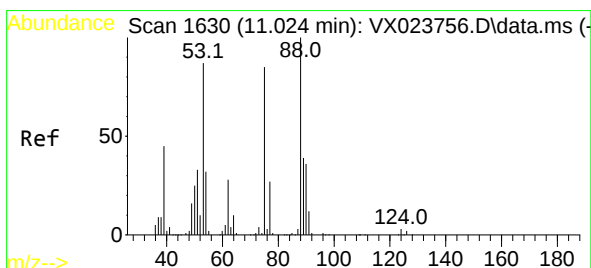
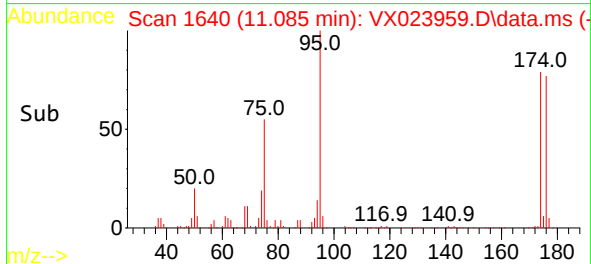
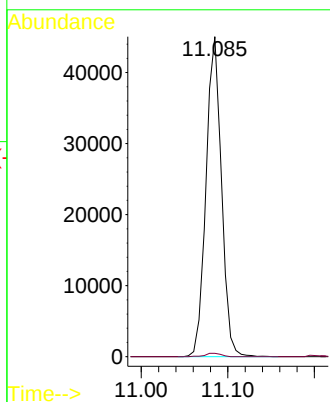
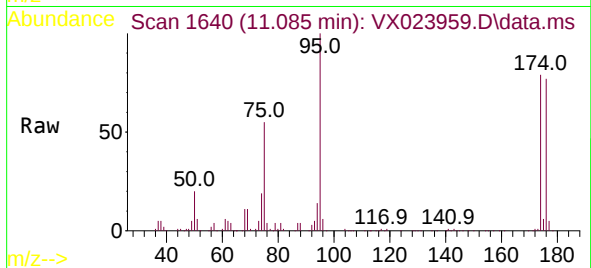




#76
1,2,3-Trichloropropane
Concen: 24.539 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

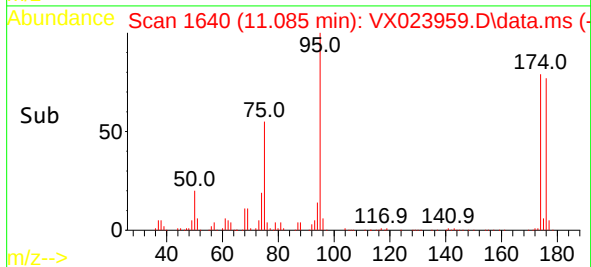
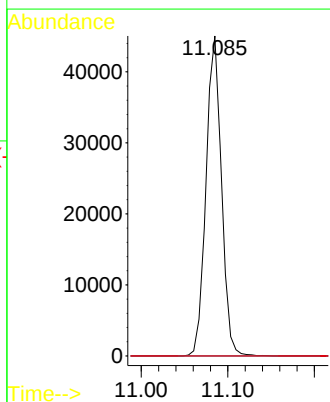
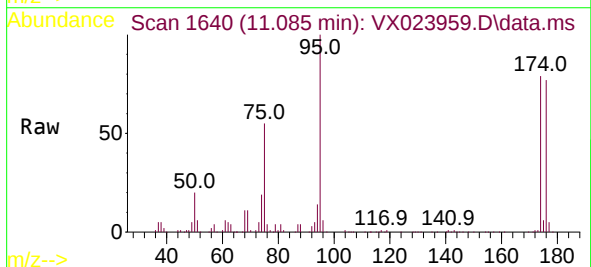
Instrument :
MSVOA_X
ClientSampled :

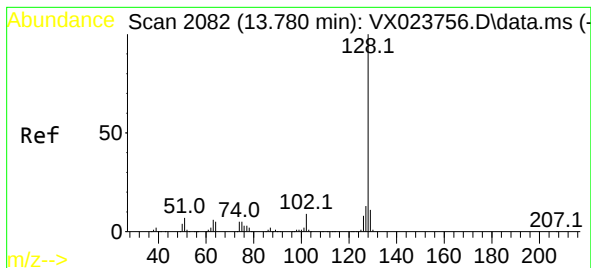
Tgt Ion: 75 Resp: 55762
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.184 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

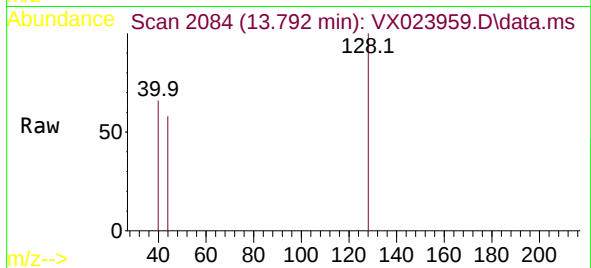
Tgt Ion: 75 Resp: 55762
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.326 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.012 min
Lab File: VX023959.D
Acq: 26 Aug 2021 12:47

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 322
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

