

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082321\
 Data File : VX023907.D
 Acq On : 23 Aug 2021 18:50
 Operator : JC/MD
 Sample : M3511-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 07:16:20 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)

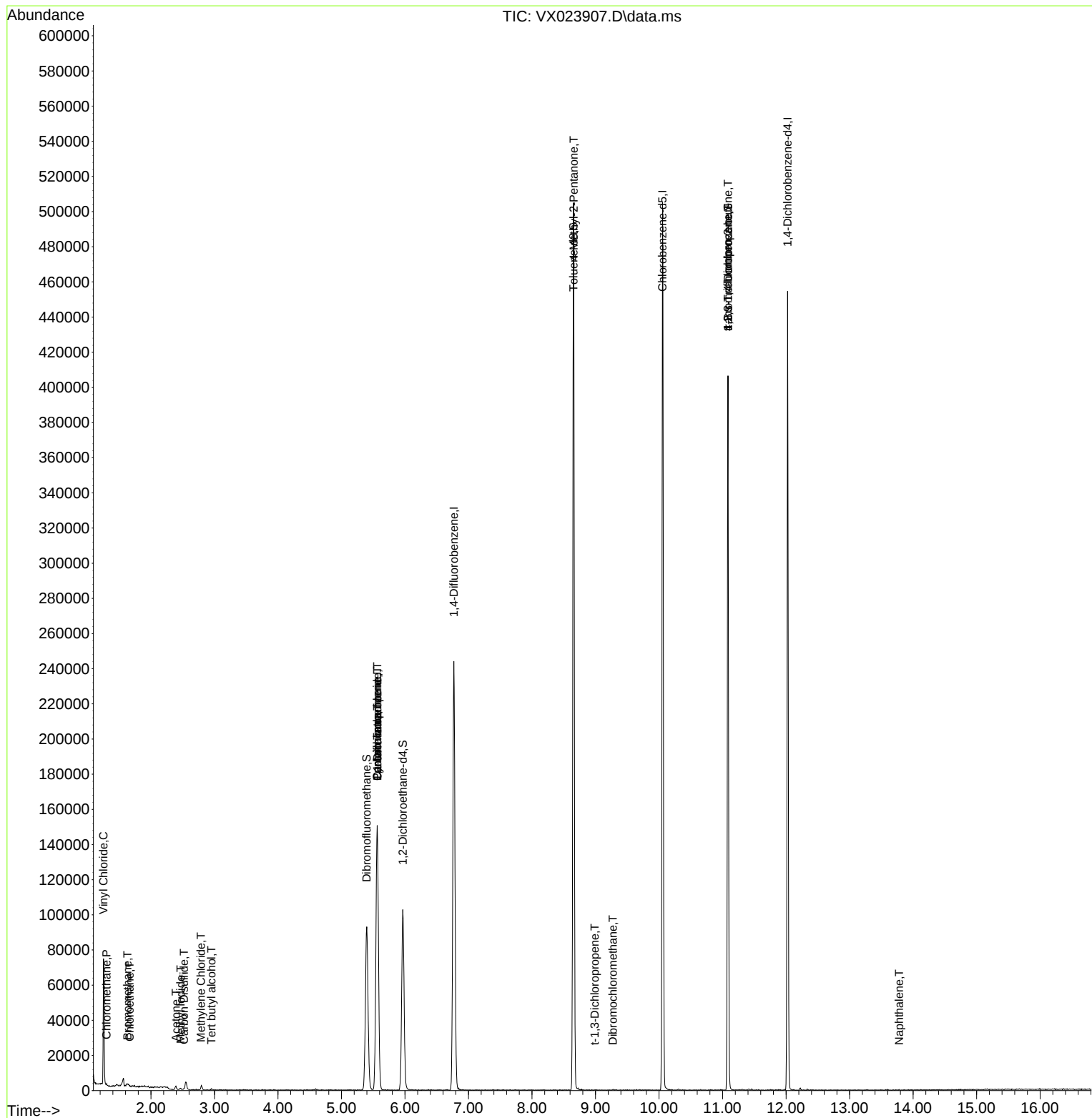
Internal Standards						
1) Pentafluorobenzene	5.562	168	138341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	240938	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99926	51.754	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.500%
35) Dibromofluoromethane	5.397	113	78772	49.396	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.800%
50) Toluene-d8	8.653	98	291594	48.042	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.080%
62) 4-Bromofluorobenzene	11.085	95	99681	44.613	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.220%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	650	0.406	ug/l #	79
4) Vinyl Chloride	1.252	62	616	0.394	ug/l #	47
5) Bromomethane	1.630	94	1001	1.019	ug/l	90
6) Chloroethane	1.666	64	60	2.262	ug/l #	43
10) Methyl Iodide	2.465	142	1117	0.578	ug/l #	85
11) Tert butyl alcohol	2.953	59	196	0.502	ug/l #	73
16) Acetone	2.392	43	2108	2.442	ug/l #	85
17) Carbon Disulfide	2.520	76	635	0.201	ug/l #	75
20) Methylene Chloride	2.788	84	843	0.511	ug/l #	85
31) Cyclohexane	5.562	56	3088	1.245	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	11201	5.020	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14305	6.148	ug/l #	18
51) 4-Methyl-2-Pentanone	8.659	43	1629	0.587	ug/l #	1
53) t-1,3-Dichloropropene	8.988	75	33	2.148	ug/l #	44
60) Dibromochloromethane	9.275	129	130	1.753	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	53787	25.860	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53787	76.068	ug/l #	12
95) Naphthalene	13.780	128	266	1.322	ug/l #	69

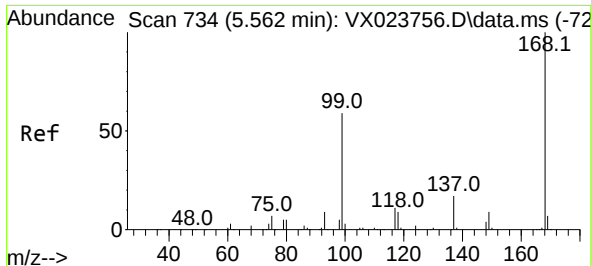
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Aug 24 07:16:20 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

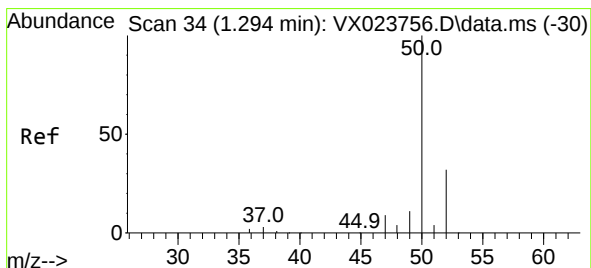
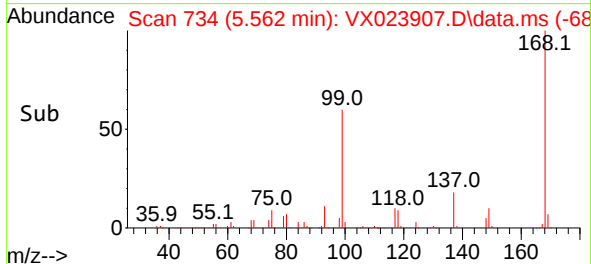
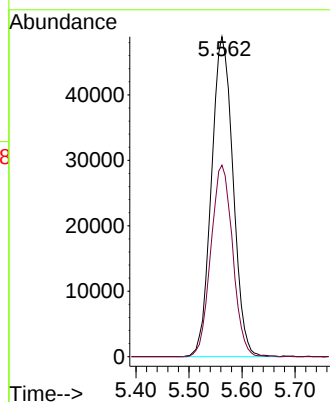
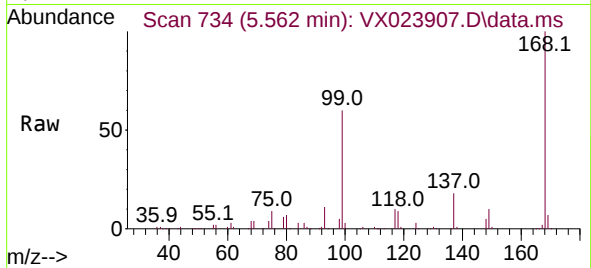




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

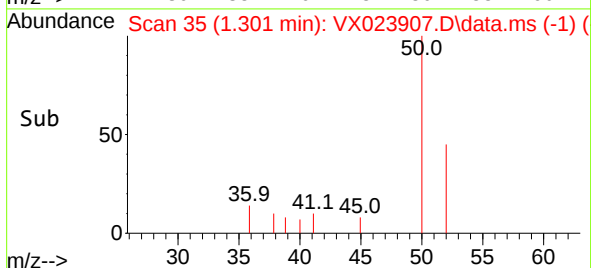
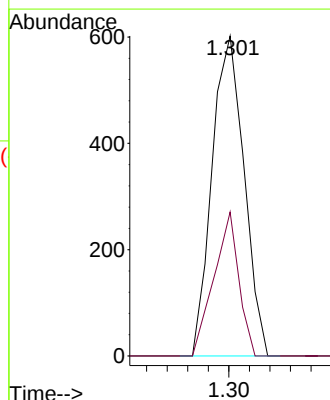
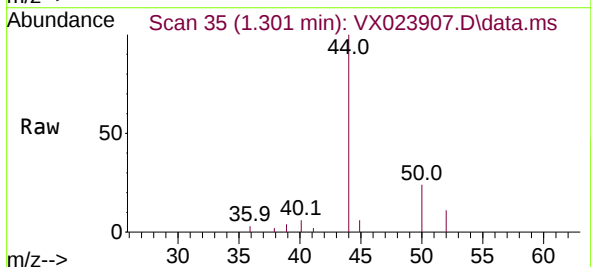
Instrument :
MSVOA_X
ClientSampled :

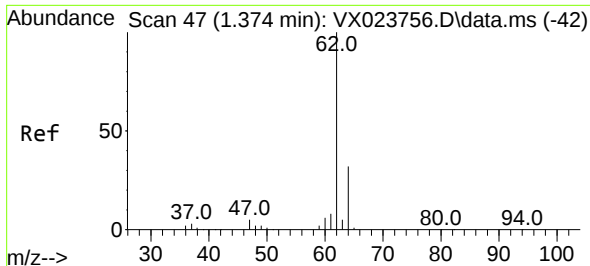
Tgt Ion:168 Resp: 138341
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6



#3
Chloromethane
Concen: 0.406 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Tgt Ion: 50 Resp: 650
Ion Ratio Lower Upper
50 100
52 45.0 26.4 39.6#

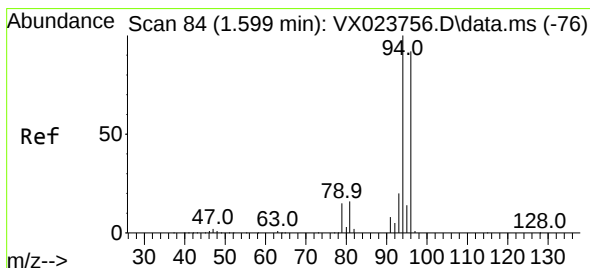
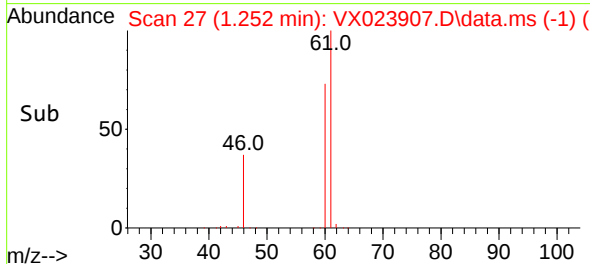
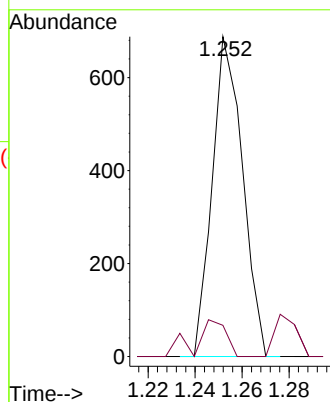
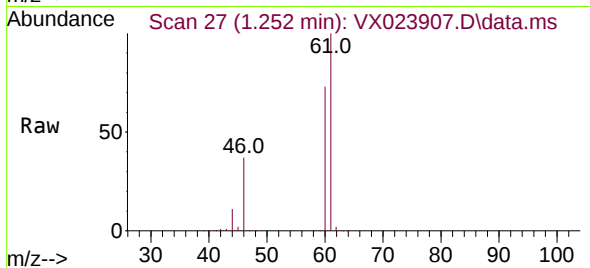




#4
 Vinyl Chloride
 Concen: 0.394 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023907.D
 Acq: 23 Aug 2021 18:50

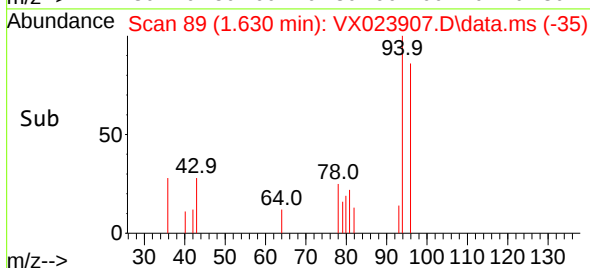
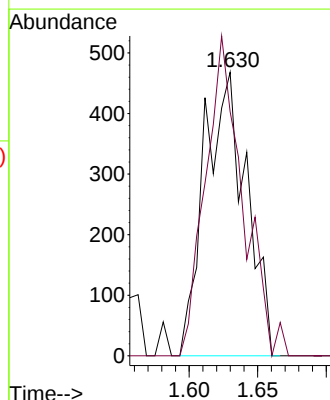
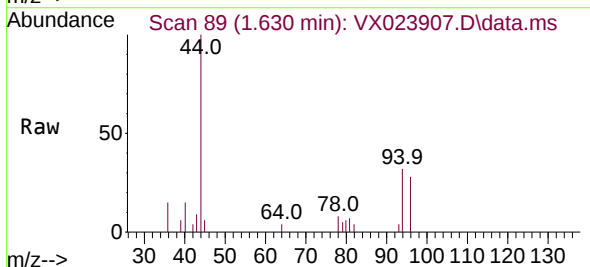
Instrument :
 MSVOA_X
 ClientSampled :

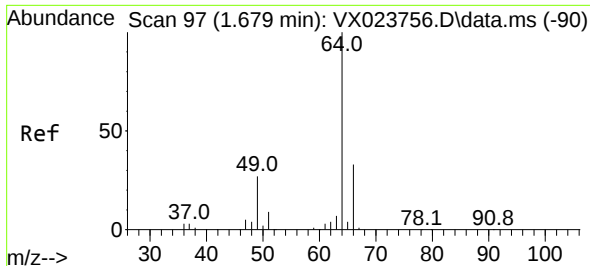
Tgt Ion: 62 Resp: 616
 Ion Ratio Lower Upper
 62 100
 64 2.5 25.7 38.5#



#5
 Bromomethane
 Concen: 1.019 ug/l
 RT: 1.630 min Scan# 89
 Delta R.T. 0.031 min
 Lab File: VX023907.D
 Acq: 23 Aug 2021 18:50

Tgt Ion: 94 Resp: 1001
 Ion Ratio Lower Upper
 94 100
 96 86.1 76.4 114.6

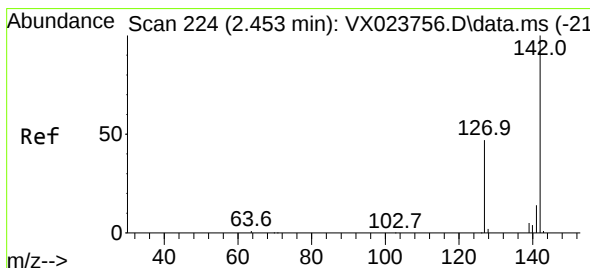
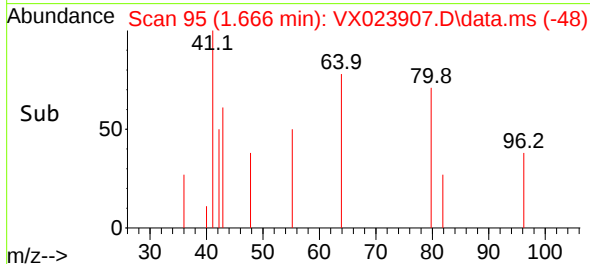
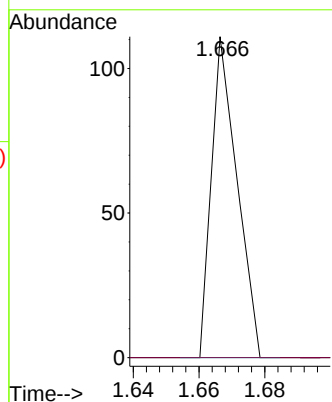
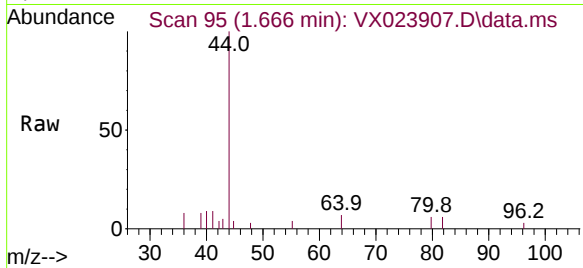




#6
Chloroethane
Concen: 2.262 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

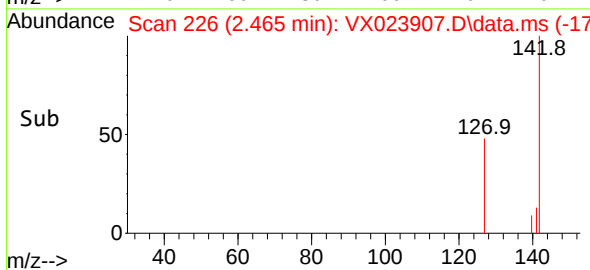
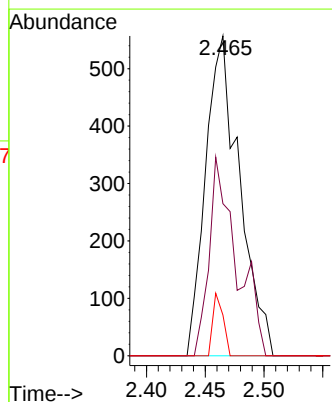
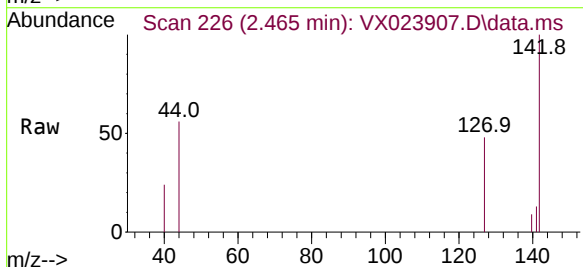
Instrument :
MSVOA_X
ClientSampled :

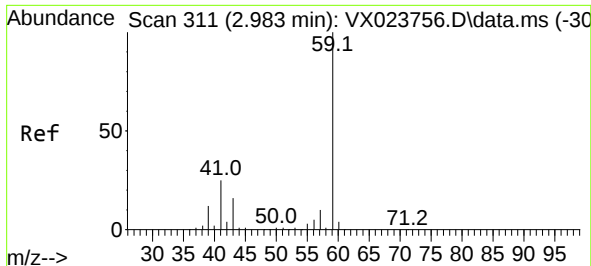
Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.578 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Tgt Ion: 142 Resp: 1117
Ion Ratio Lower Upper
142 100
127 50.2 33.3 49.9#
141 5.9 11.4 17.0#



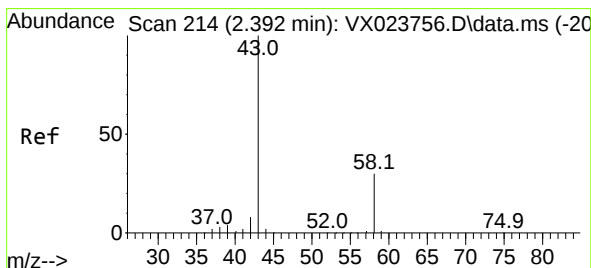
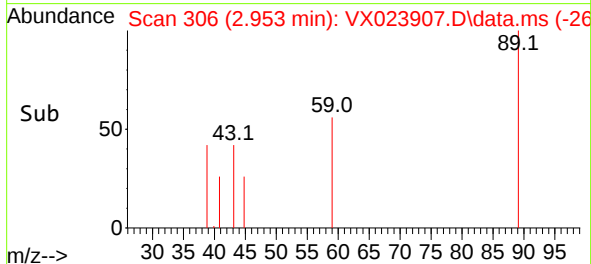
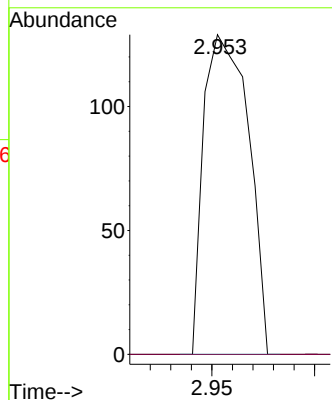
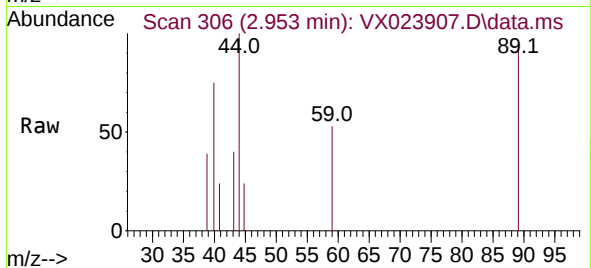


#11

Tert butyl alcohol
Concen: 0.502 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Instrument :
MSVOA_X
ClientSampled :

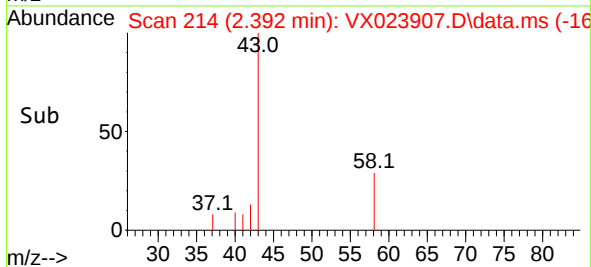
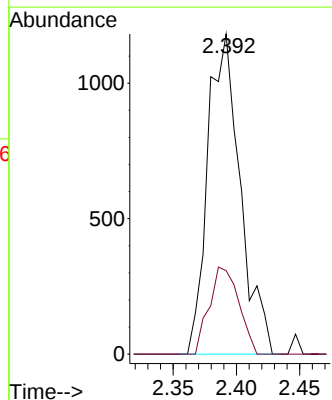
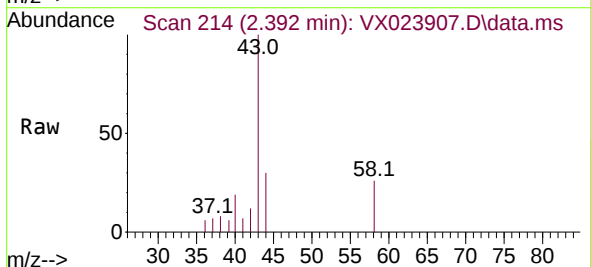
Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

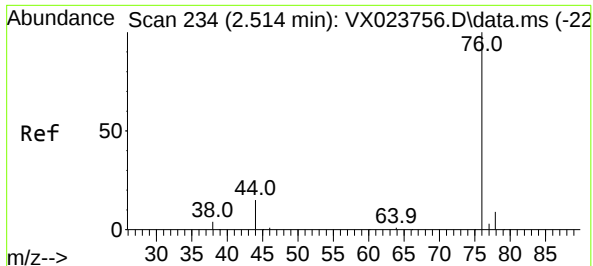


#16

Acetone
Concen: 2.442 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

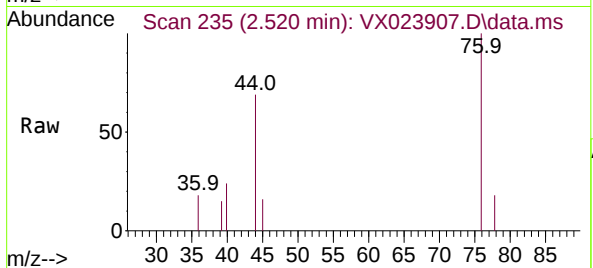
Tgt Ion: 43 Resp: 2108
Ion Ratio Lower Upper
43 100
58 26.1 27.8 41.8#



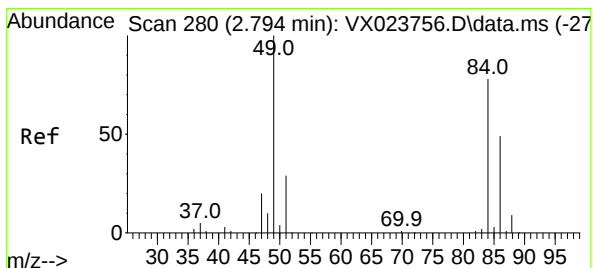
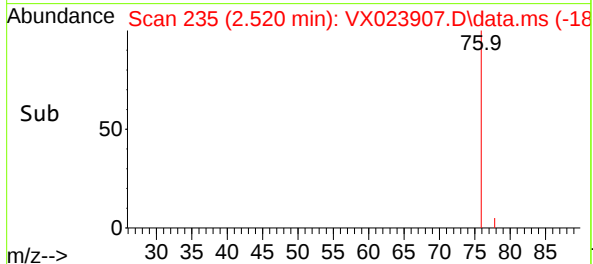
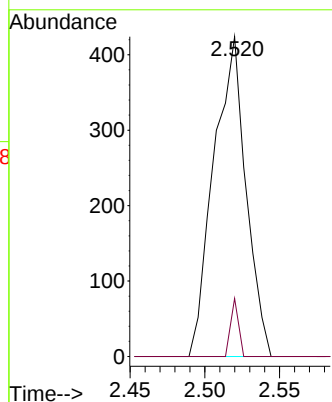


#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Instrument :
MSVOA_X
ClientSampled :

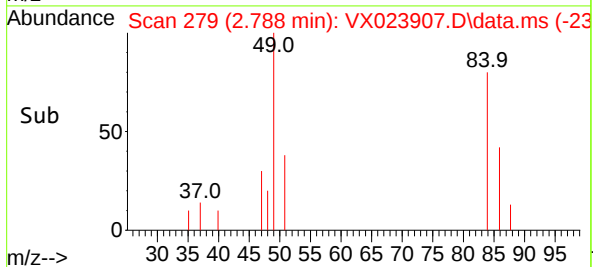
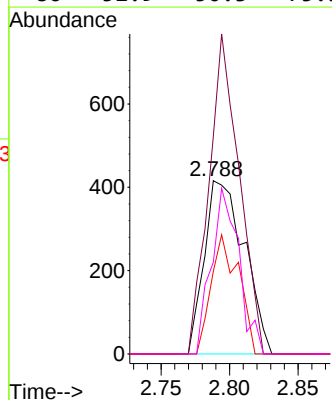
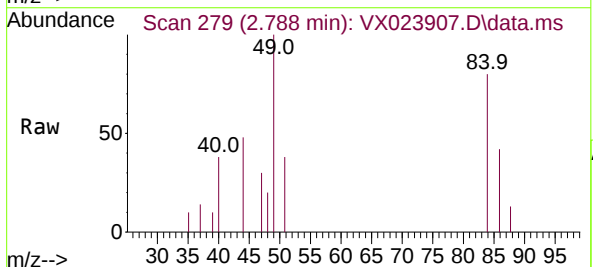


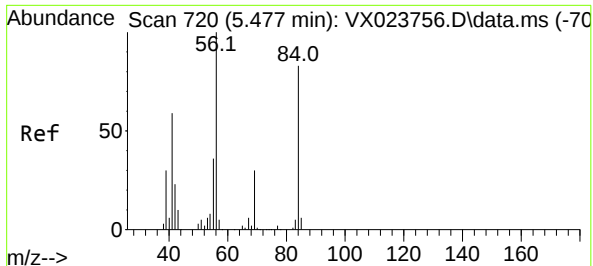
Tgt Ion: 76 Resp: 635
Ion Ratio Lower Upper
76 100
78 18.2 7.2 10.8#



#20
Methylene Chloride
Concen: 0.511 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Tgt Ion: 84 Resp: 843
Ion Ratio Lower Upper
84 100
49 125.5 88.6 132.8
51 47.6 27.0 40.6#
86 52.9 50.3 75.5

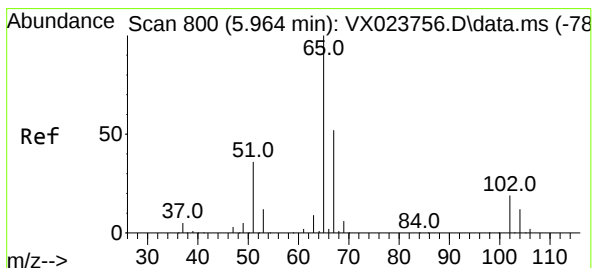
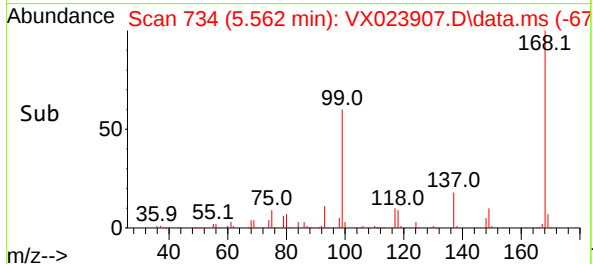
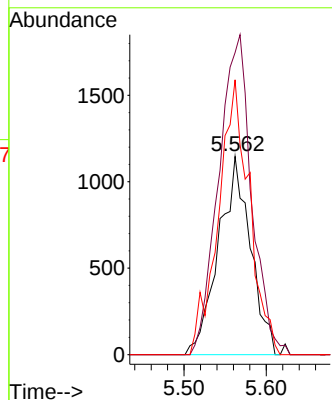
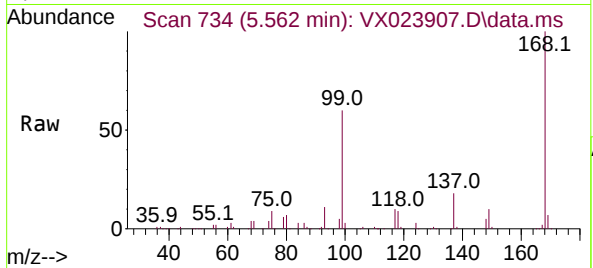




#31
Cyclohexane
Concen: 1.245 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

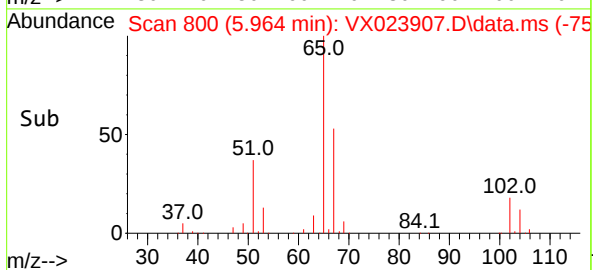
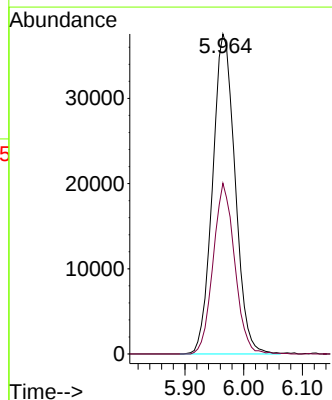
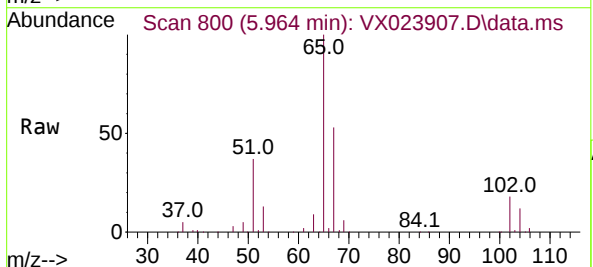
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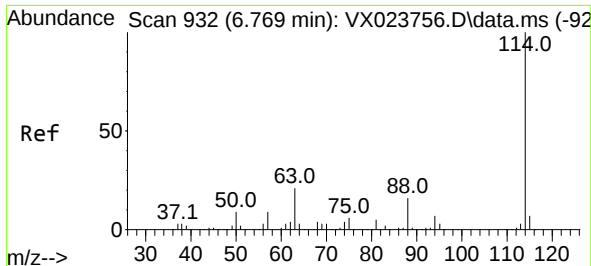
Tgt Ion: 56 Resp: 3088
Ion Ratio Lower Upper
56 100
69 152.3 25.3 37.9#
84 138.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.754 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Tgt Ion: 65 Resp: 99926
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

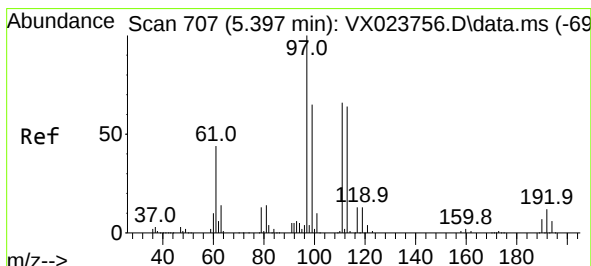
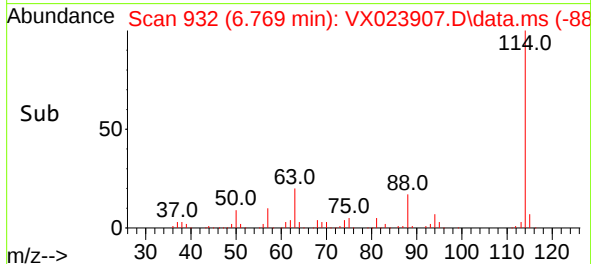
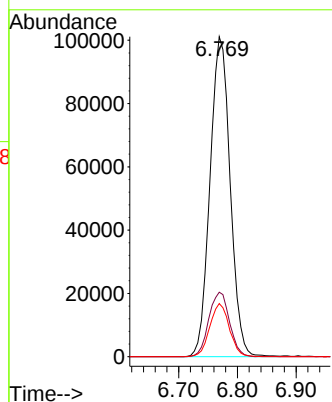
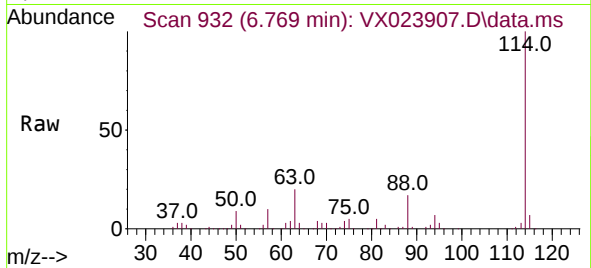




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

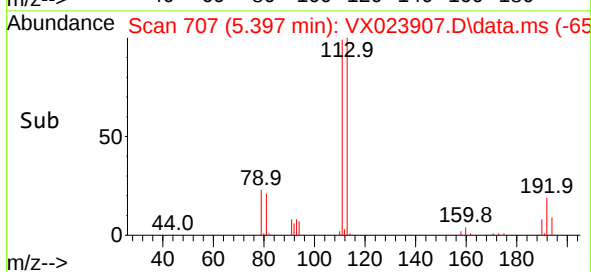
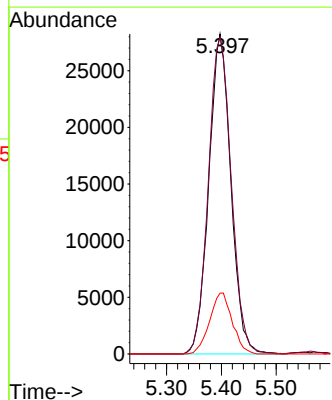
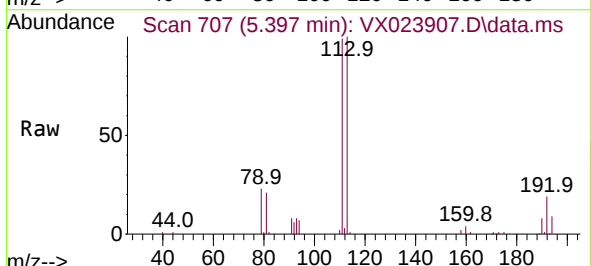
Instrument :
MSVOA_X
ClientSampleId :

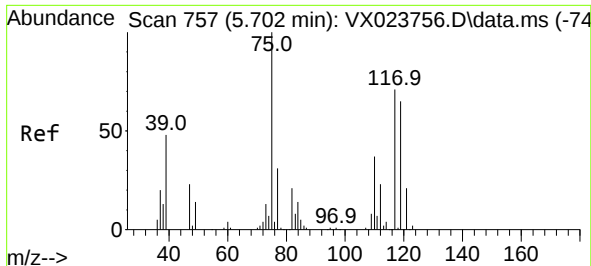
Tgt Ion:114 Resp: 240938
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.396 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Tgt Ion:113 Resp: 78772
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.6 16.7 25.1

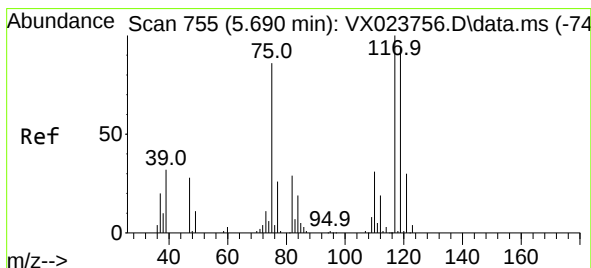
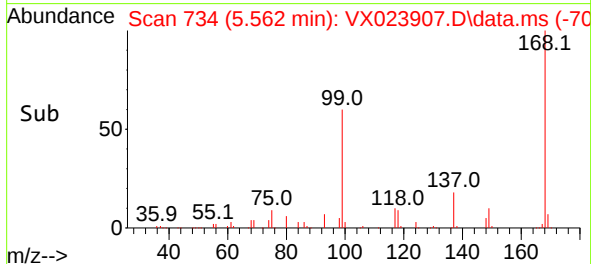
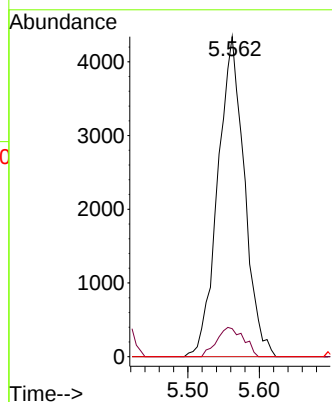
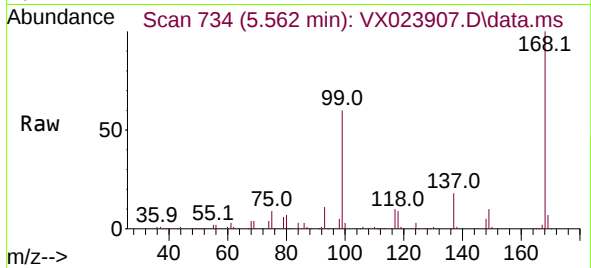




#36
1,1-Dichloropropene
Concen: 5.020 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

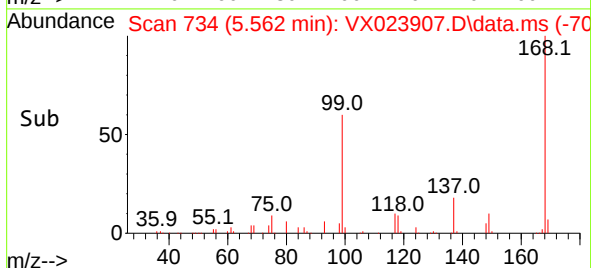
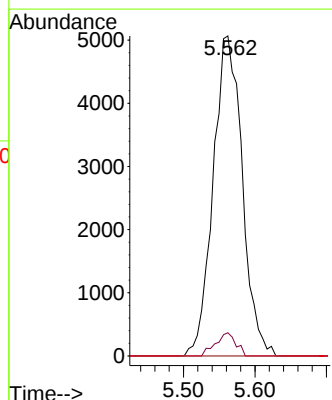
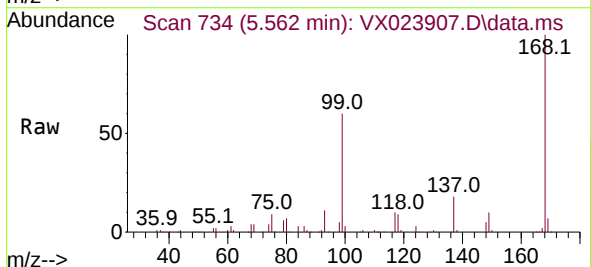
Instrument :
MSVOA_X
ClientSampleId :

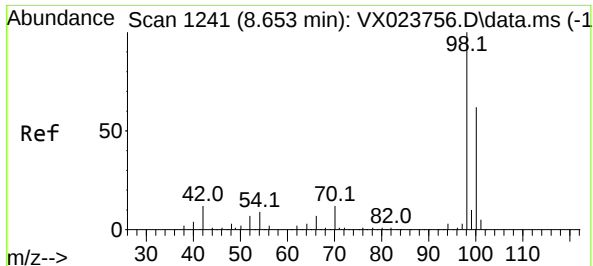
Tgt Ion: 75 Resp: 11201
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.148 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Tgt Ion: 117 Resp: 14305
Ion Ratio Lower Upper
117 100
119 7.3 76.2 114.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.042 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023907.D

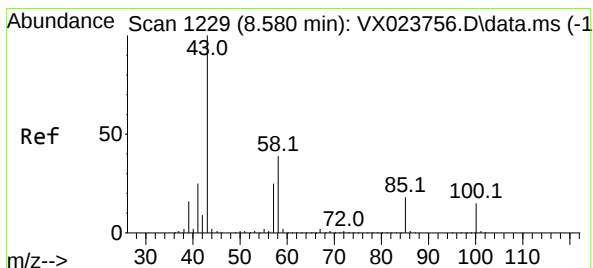
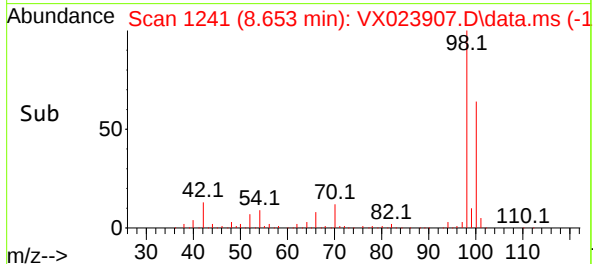
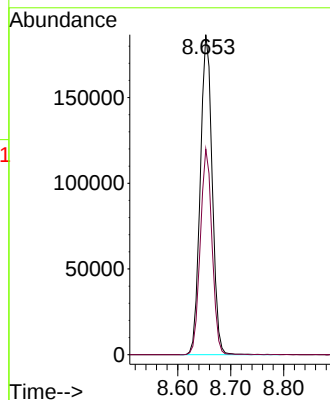
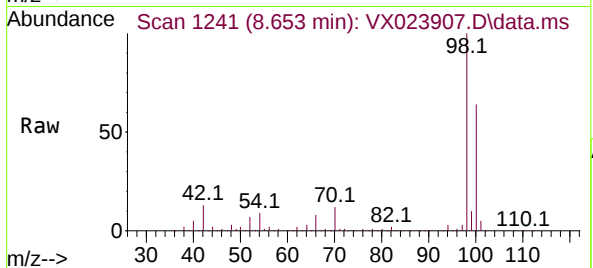
Acq: 23 Aug 2021 18:50

Tgt Ion: 98 Resp: 291594

Ion Ratio Lower Upper

98 100

100 63.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.587 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. 0.079 min

Lab File: VX023907.D

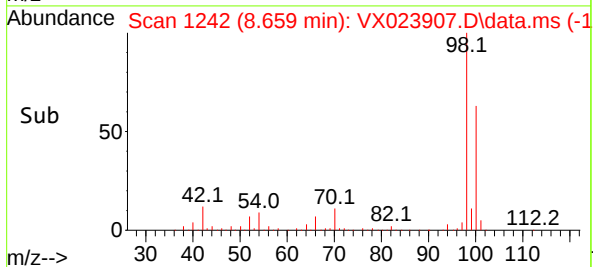
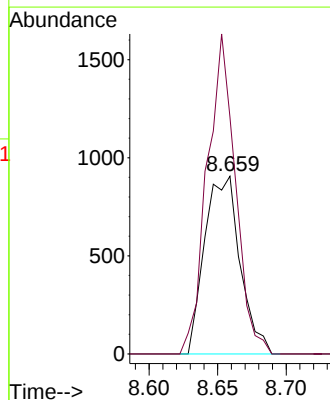
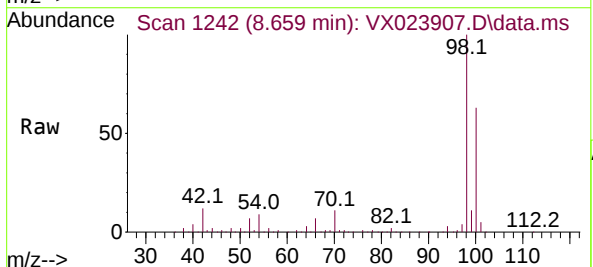
Acq: 23 Aug 2021 18:50

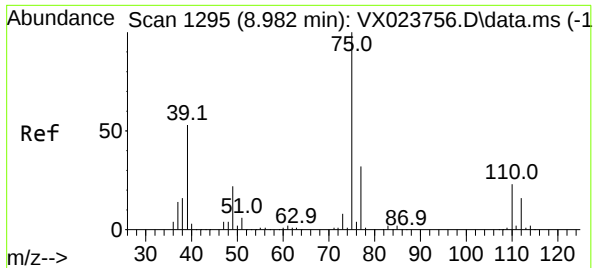
Tgt Ion: 43 Resp: 1629

Ion Ratio Lower Upper

43 100

58 143.7 35.4 53.0#

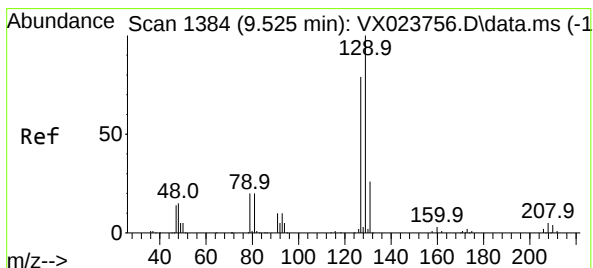
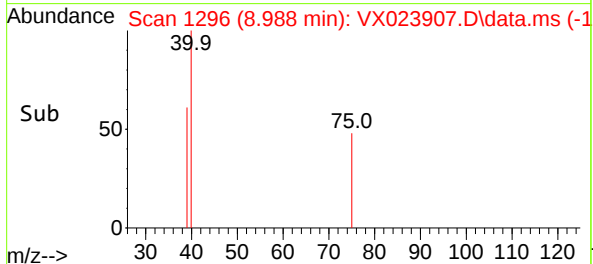
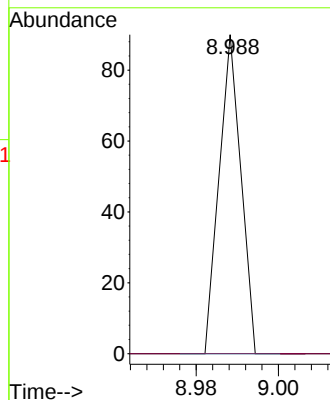
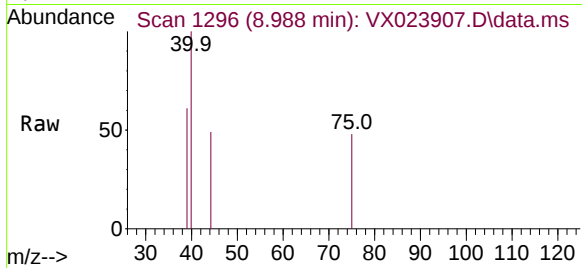




#53
t-1,3-Dichloropropene
Concen: 2.148 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

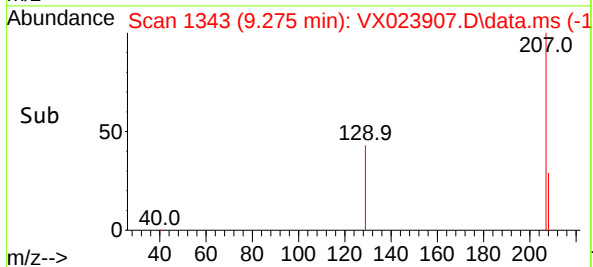
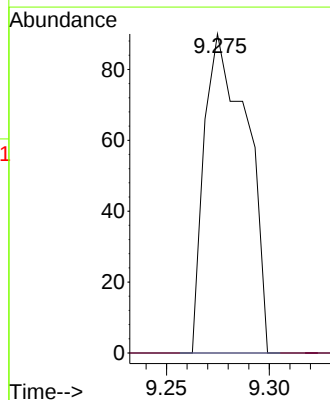
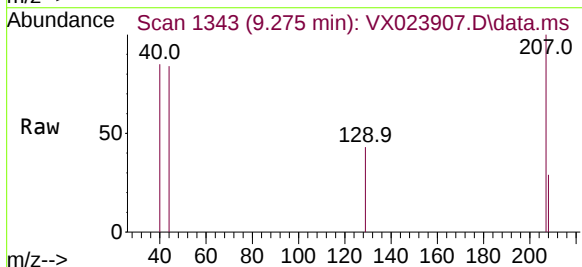
Instrument :
MSVOA_X
ClientSampled :

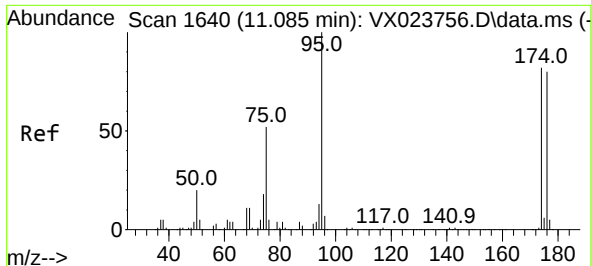
Tgt Ion: 75 Resp: 33
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#60
Dibromochloromethane
Concen: 1.753 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Tgt Ion:129 Resp: 130
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

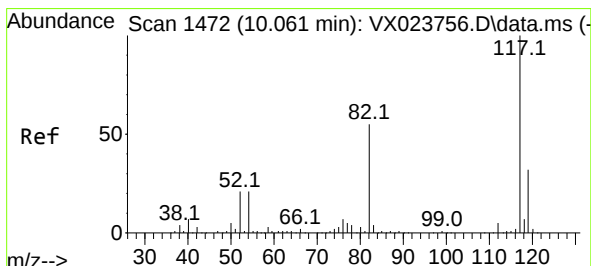
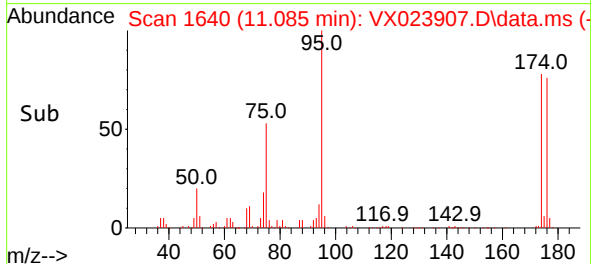
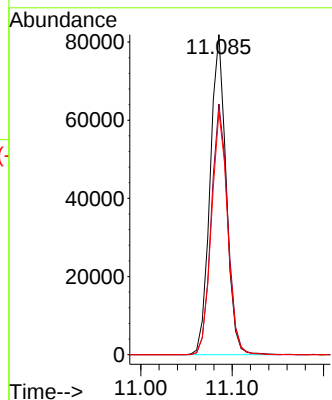
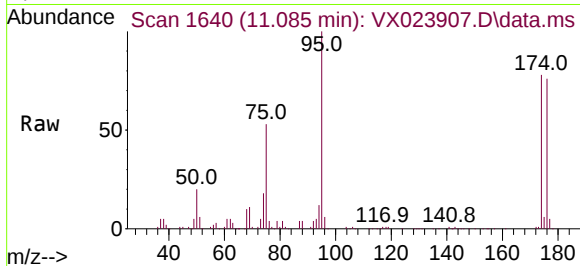




#62
4-Bromofluorobenzene
Concen: 44.613 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

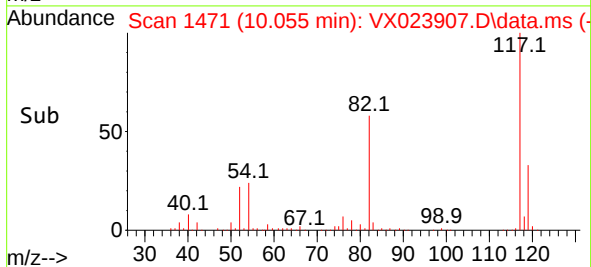
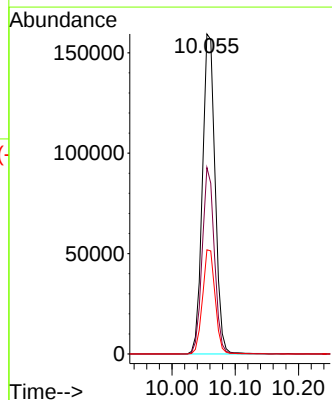
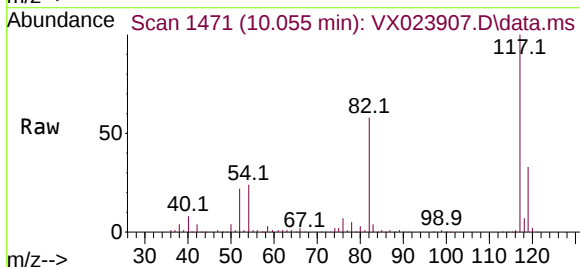
Instrument :
MSVOA_X
ClientSampleId :

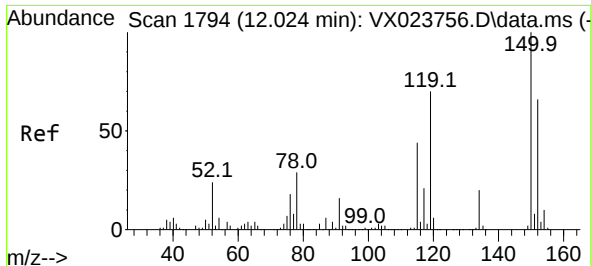
Tgt Ion: 95 Resp: 99681
Ion Ratio Lower Upper
95 100
174 80.7 0.0 154.6
176 76.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Tgt Ion: 117 Resp: 222523
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.6 26.6 39.8

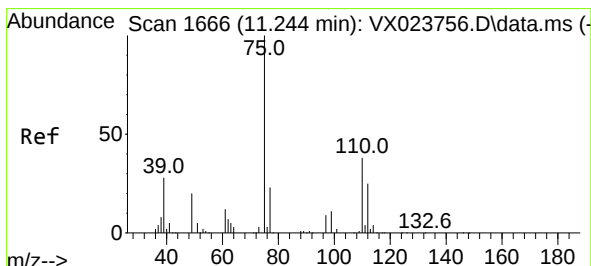
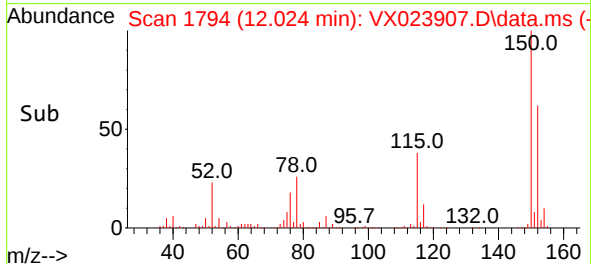
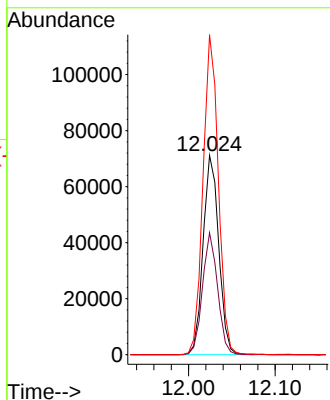
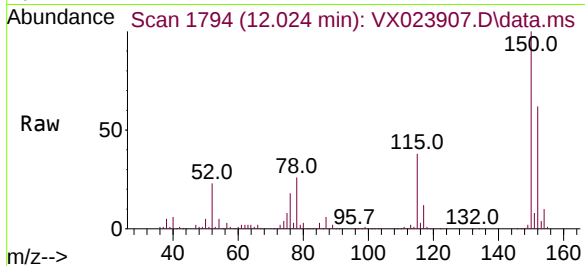




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023907.D
 Acq: 23 Aug 2021 18:50

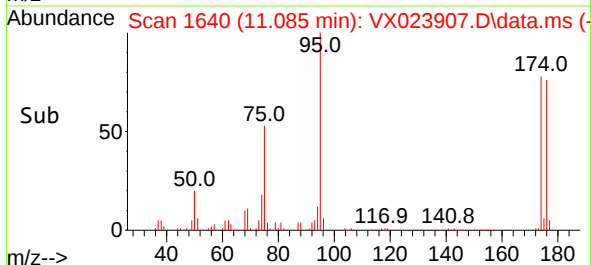
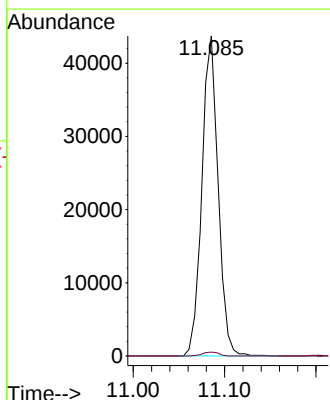
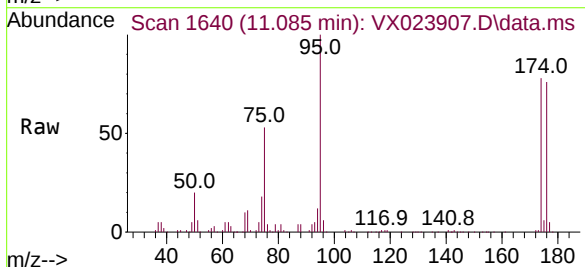
Instrument :
 MSVOA_X
 ClientSampled :

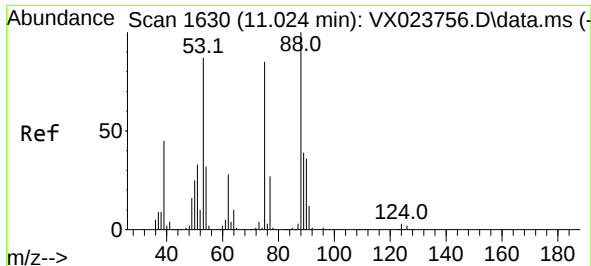
Tgt Ion:152 Resp: 89163
 Ion Ratio Lower Upper
 152 100
 115 59.1 41.1 123.3
 150 157.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.860 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023907.D
 Acq: 23 Aug 2021 18:50

Tgt Ion: 75 Resp: 53787
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

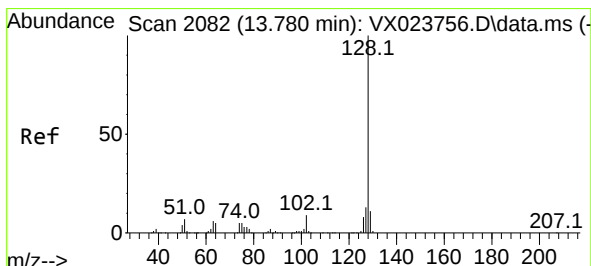
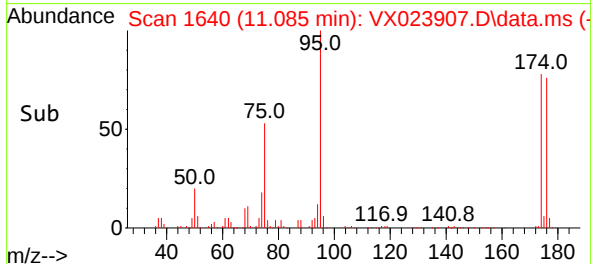
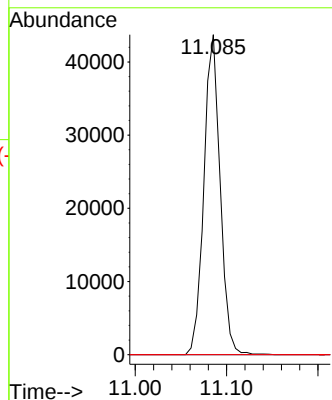
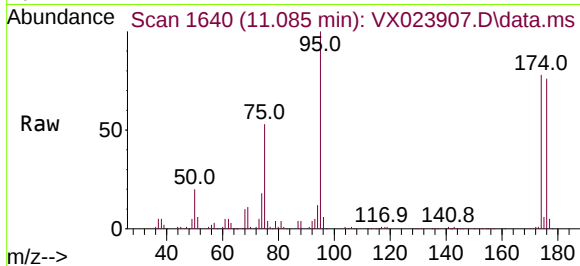




#81
trans-1,4-Dichloro-2-butene
Concen: 76.068 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 53787
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.322 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023907.D
Acq: 23 Aug 2021 18:50

Tgt Ion: 128 Resp: 266
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

