

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080521\
 Data File : VX023555.D
 Acq On : 04 Aug 2021 21:08
 Operator : JC/MD
 Sample : M3278-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Aug 05 06:10:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

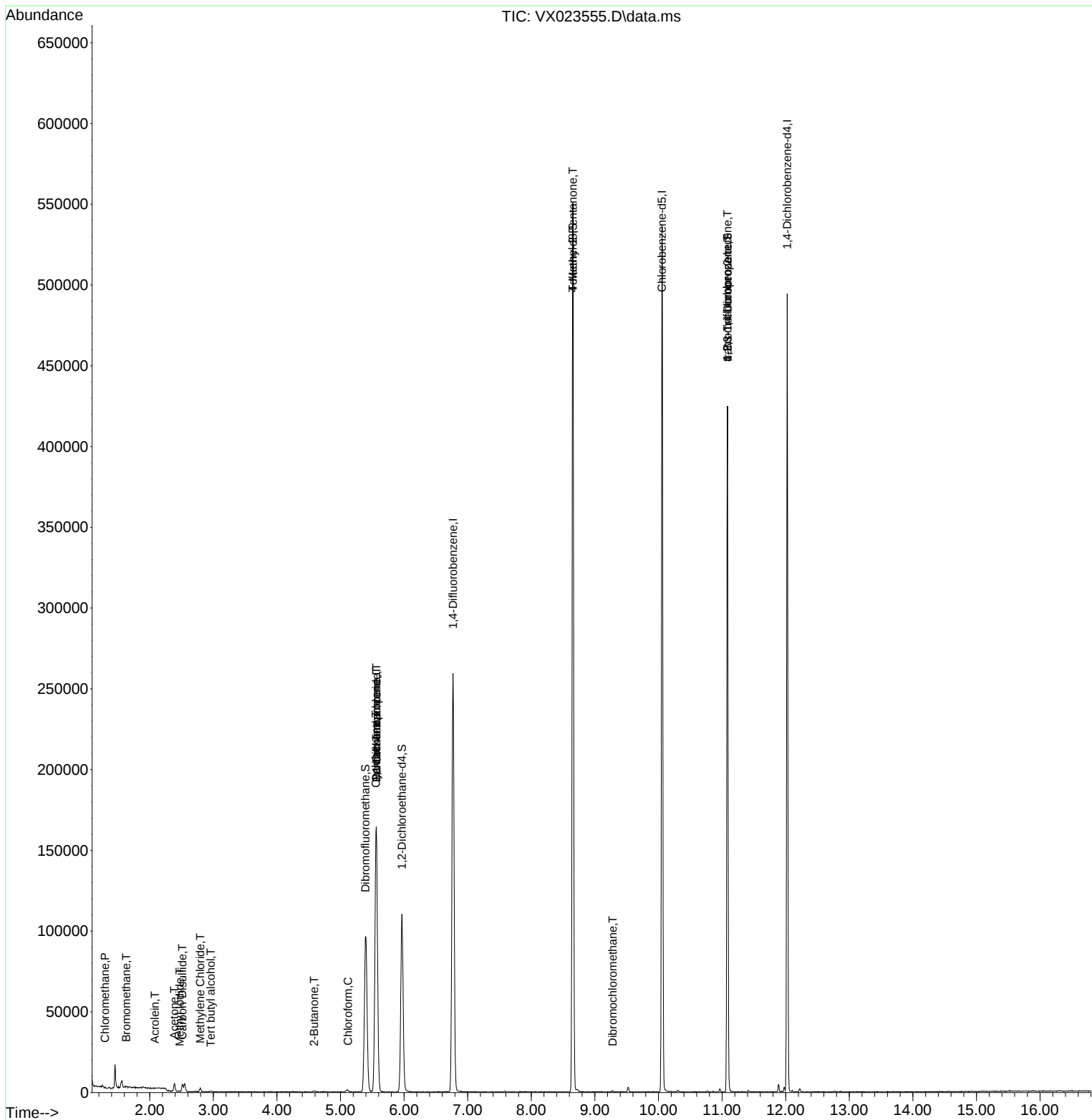
Internal Standards						
1) Pentafluorobenzene	5.562	168	157201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	263819	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97561	50.000	ug/l	0.00

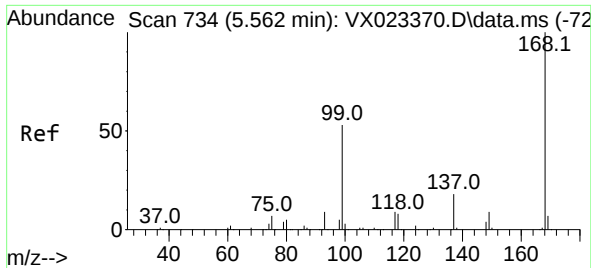
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103629	52.846	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.700%
35) Dibromofluoromethane	5.391	113	84587	51.280	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.560%
50) Toluene-d8	8.653	98	318732	52.593	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.180%
62) 4-Bromofluorobenzene	11.085	95	108196	52.503	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.000%

Target Compounds					Qvalue	
3) Chloromethane	1.295	50	560	0.332	ug/l #	86
5) Bromomethane	1.630	94	558	0.551	ug/l	90
10) Methyl Iodide	2.471	142	544	0.279	ug/l #	65
11) Tert butyl alcohol	2.959	59	443	0.989	ug/l #	73
13) Acrolein	2.081	56	20	1.451	ug/l #	64
16) Acetone	2.386	43	5095	5.297	ug/l	89
17) Carbon Disulfide	2.514	76	5729	1.504	ug/l	100
20) Methylene Chloride	2.794	84	917	0.490	ug/l #	60
25) 2-Butanone	4.587	43	361	0.242	ug/l #	45
30) Chloroform	5.117	83	1465	0.470	ug/l	90
31) Cyclohexane	5.556	56	3192	1.099	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11716	4.909	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15533	6.400	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	1628	0.571	ug/l #	1
60) Dibromochloromethane	9.281	129	162	2.062	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	57156	26.623	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57156	71.585	ug/l #	12

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

Quant Time: Aug 05 06:10:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
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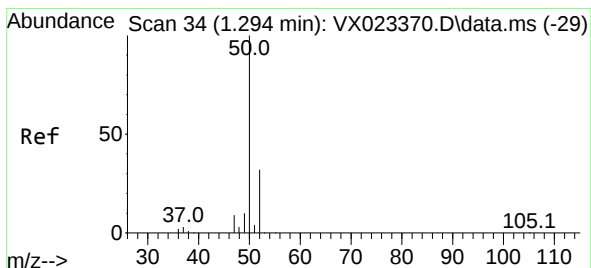
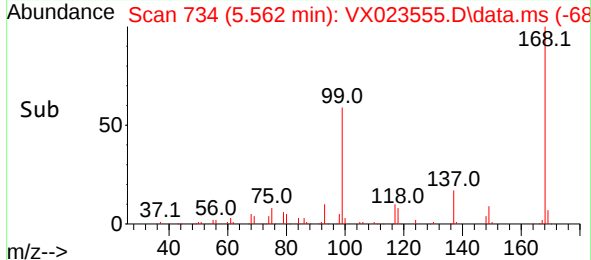
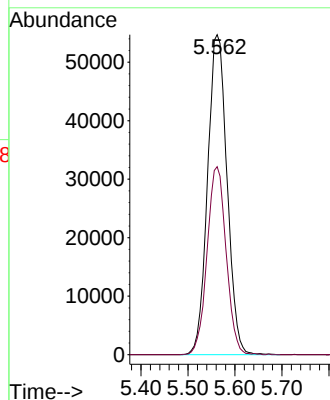
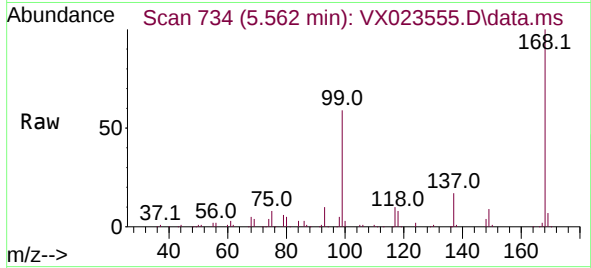




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

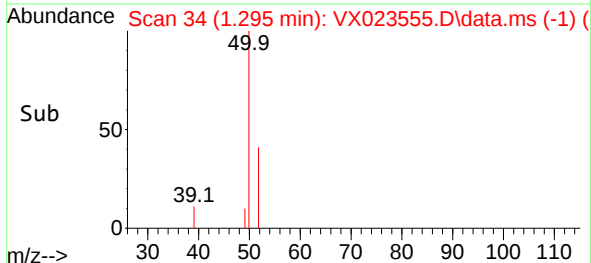
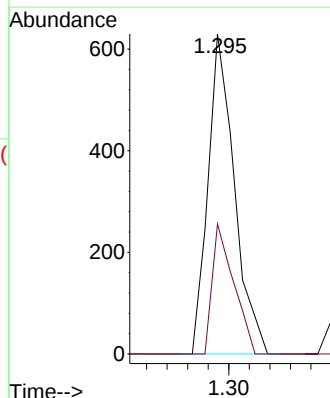
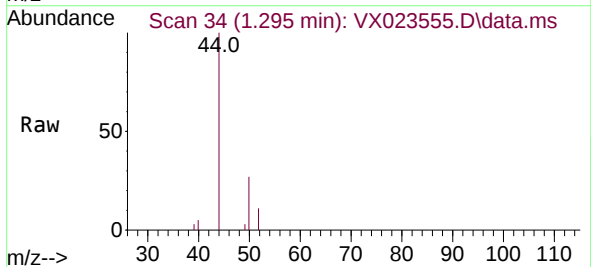
Instrument :
MSVOA_X
ClientSampled :
MW-4

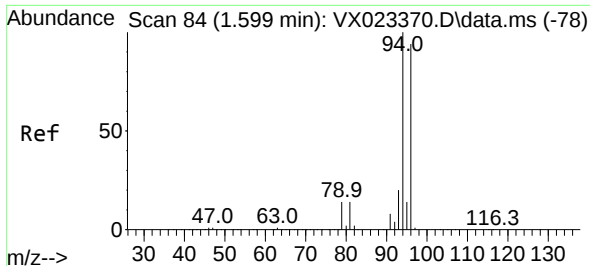
Tgt Ion:168 Resp: 157201
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.6



#3
Chloromethane
Concen: 0.332 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

Tgt Ion: 50 Resp: 560
Ion Ratio Lower Upper
50 100
52 40.6 26.4 39.6#

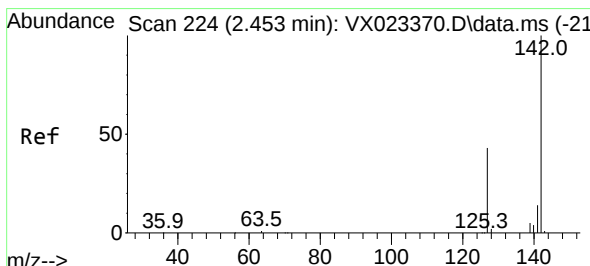
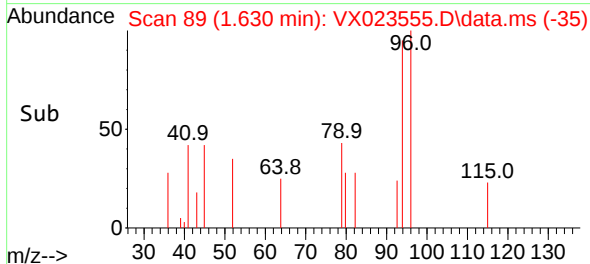
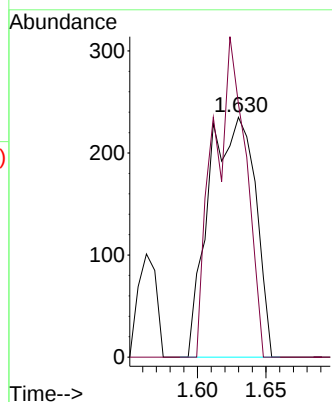
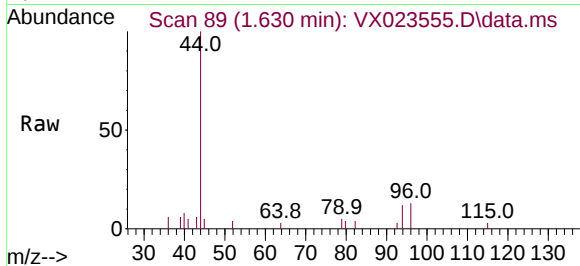




#5
Bromomethane
Concen: 0.551 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

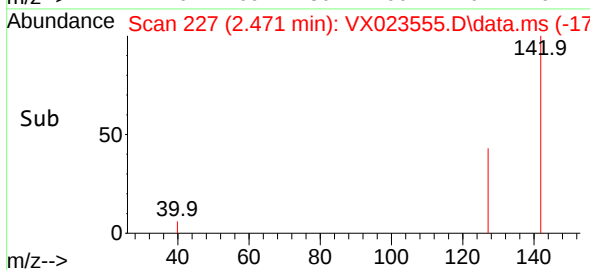
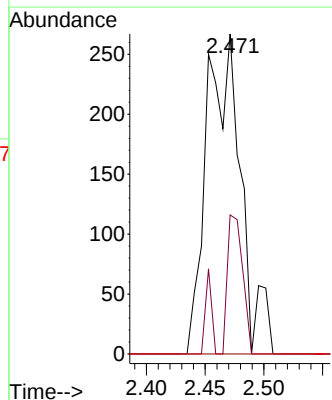
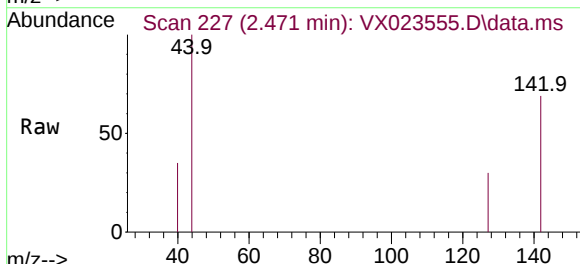
Instrument :
MSVOA_X
ClientSampled :
MW-4

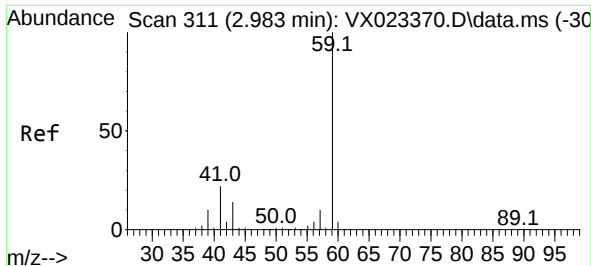
Tgt Ion: 94 Resp: 558
Ion Ratio Lower Upper
94 100
96 105.5 76.4 114.6



#10
Methyl Iodide
Concen: 0.279 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

Tgt Ion:142 Resp: 544
Ion Ratio Lower Upper
142 100
127 19.3 33.3 49.9#
141 0.0 11.4 17.0#



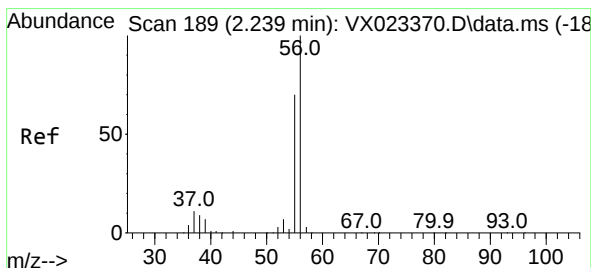
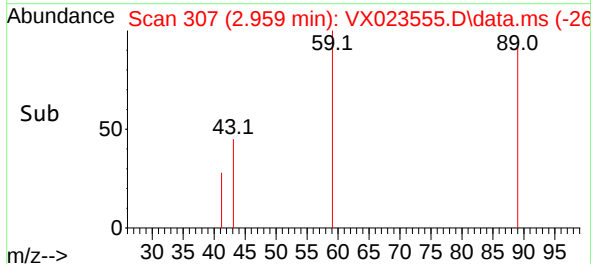
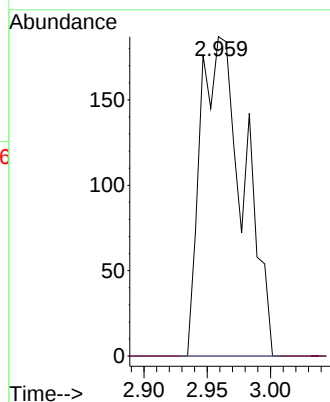
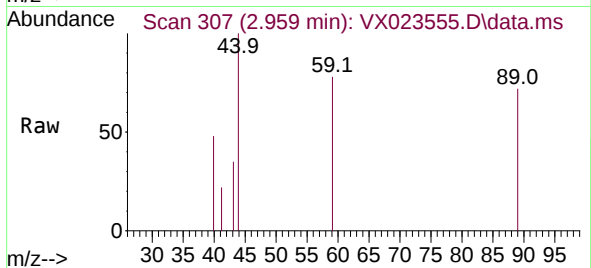


#11

Tert butyl alcohol
Concen: 0.989 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

Instrument :
MSVOA_X
ClientSampled :
MW-4

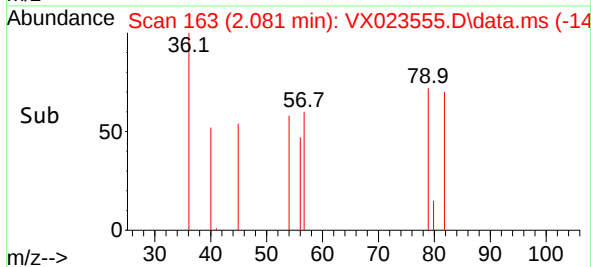
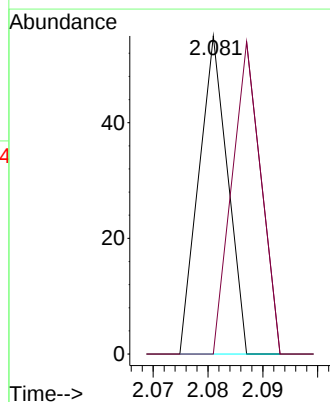
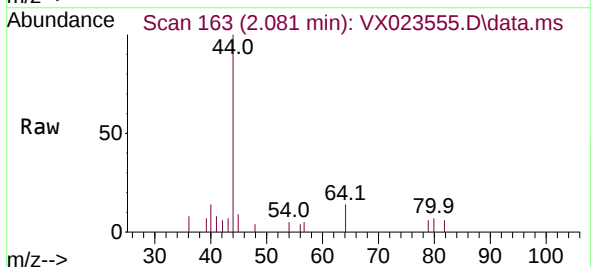
Tgt Ion: 59 Resp: 443
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

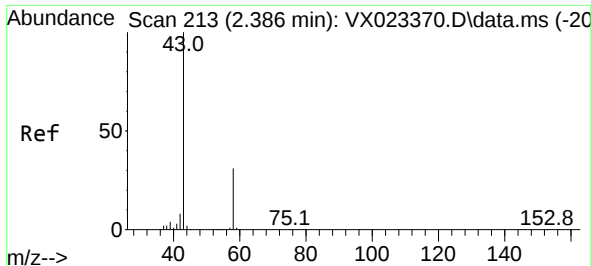


#13

Acrolein
Concen: 1.451 ug/l
RT: 2.081 min Scan# 163
Delta R.T. -0.158 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 100.0 56.4 84.6#

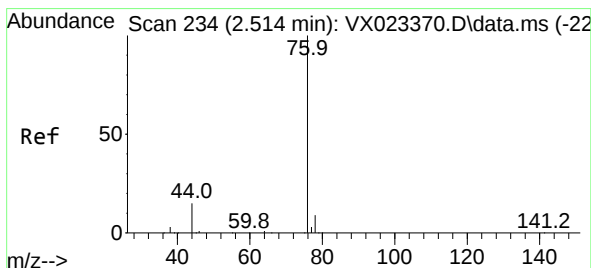
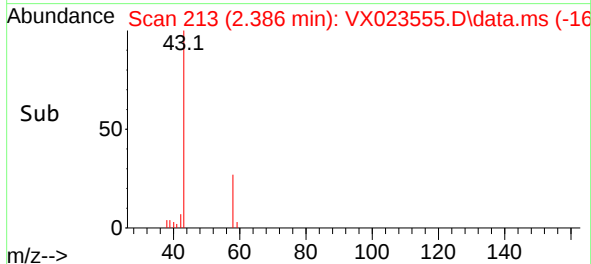
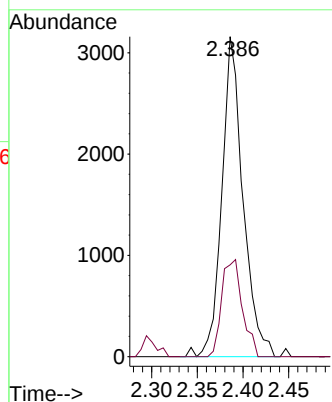
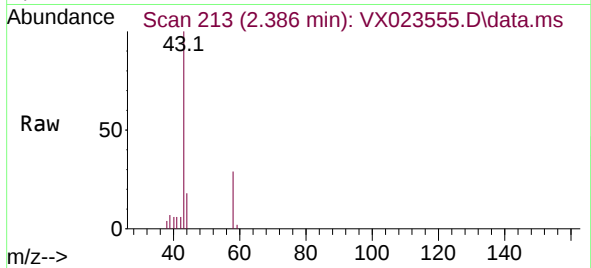




#16
Acetone
Concen: 5.297 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

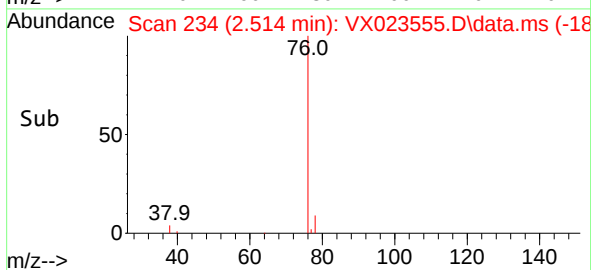
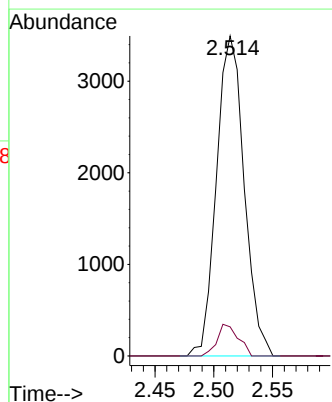
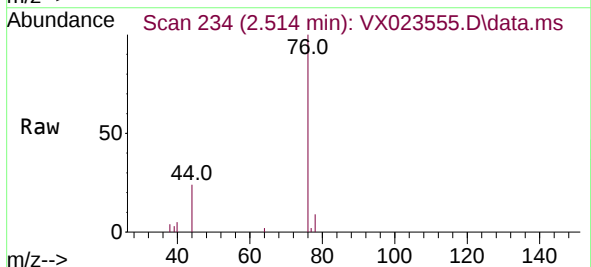
Instrument :
MSVOA_X
ClientSampleId :
MW-4

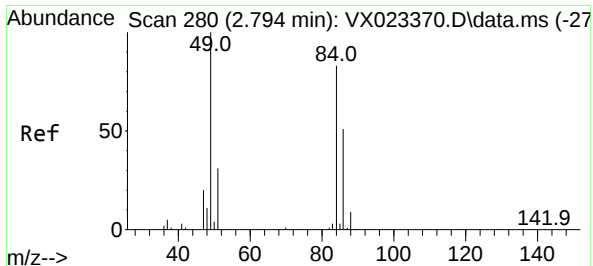
Tgt Ion: 43 Resp: 5095
Ion Ratio Lower Upper
43 100
58 28.7 27.8 41.8



#17
Carbon Disulfide
Concen: 1.504 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

Tgt Ion: 76 Resp: 5729
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8





#20

Methylene Chloride

Concen: 0.490 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023555.D

Acq: 04 Aug 2021 21:08

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tgt Ion: 84 Resp: 917

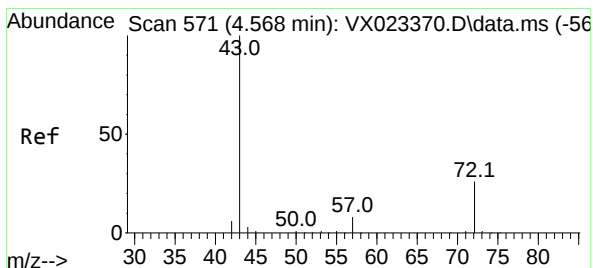
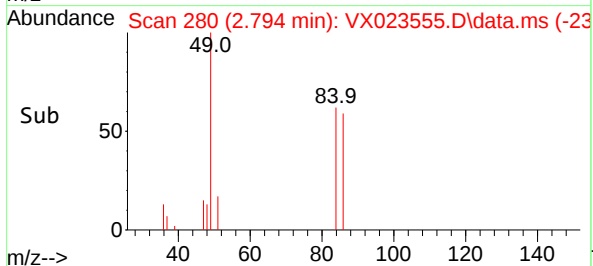
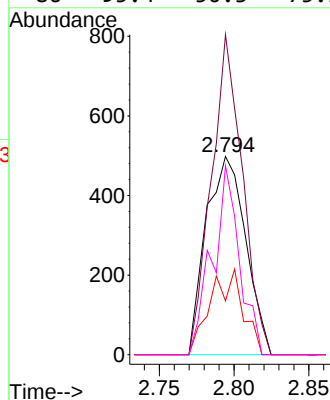
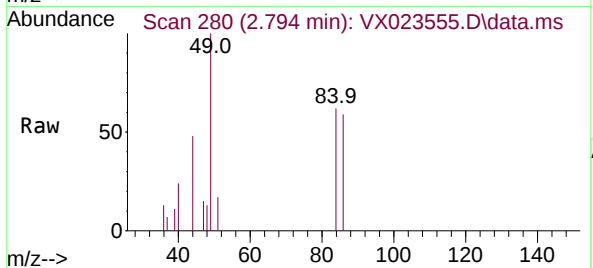
Ion Ratio Lower Upper

84 100

49 161.4 88.6 132.8#

51 27.1 27.0 40.6

86 95.4 50.3 75.5#



#25

2-Butanone

Concen: 0.242 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX023555.D

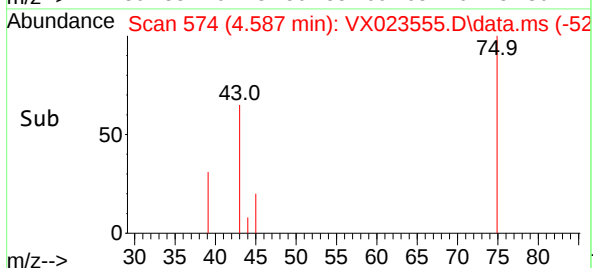
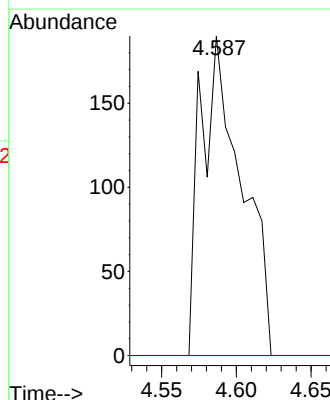
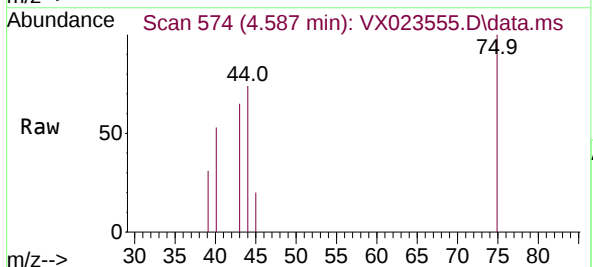
Acq: 04 Aug 2021 21:08

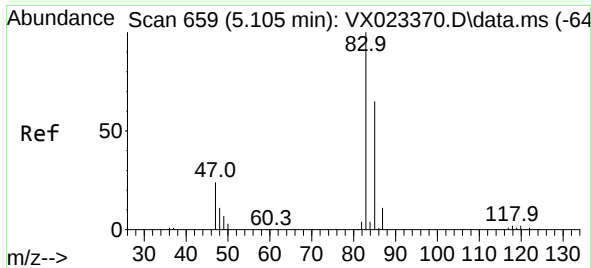
Tgt Ion: 43 Resp: 361

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#30

Chloroform

Concen: 0.470 ug/l

RT: 5.117 min Scan# 661

Delta R.T. 0.012 min

Lab File: VX023555.D

Acq: 04 Aug 2021 21:08

Tgt Ion: 83 Resp: 1465

Ion Ratio Lower Upper

83 100

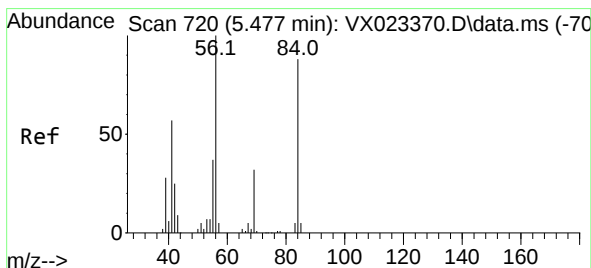
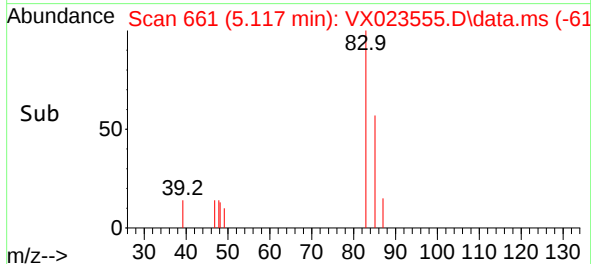
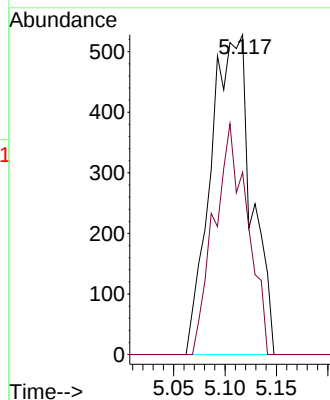
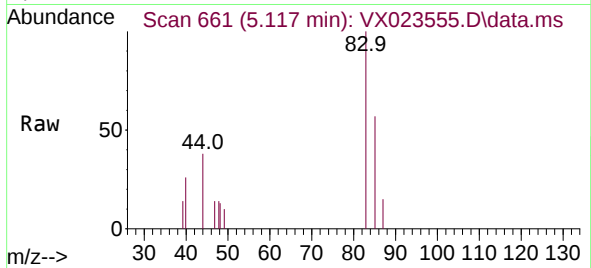
85 57.0 52.0 78.0

Instrument :

MSVOA_X

ClientSampled :

MW-4



#31

Cyclohexane

Concen: 1.099 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX023555.D

Acq: 04 Aug 2021 21:08

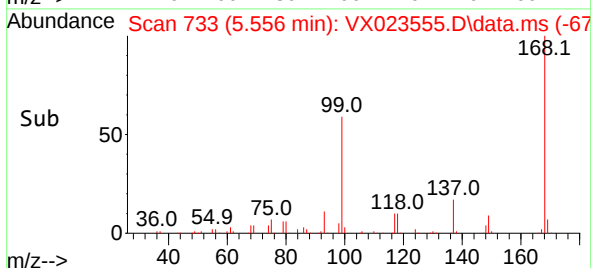
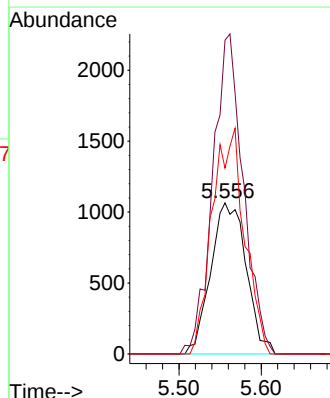
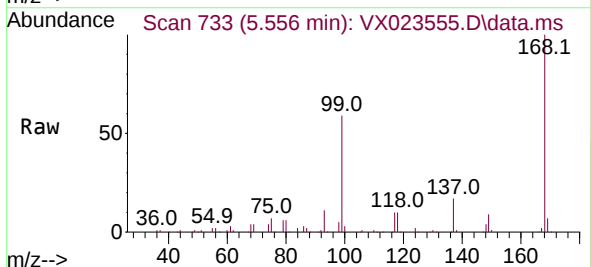
Tgt Ion: 56 Resp: 3192

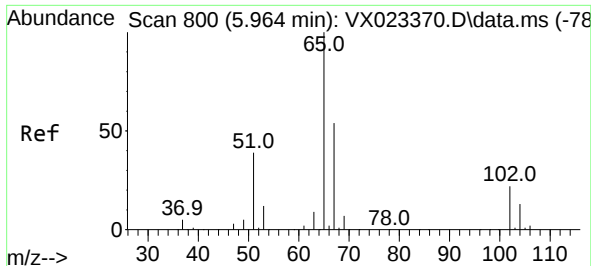
Ion Ratio Lower Upper

56 100

69 207.7 25.3 37.9#

84 122.9 71.4 107.0#

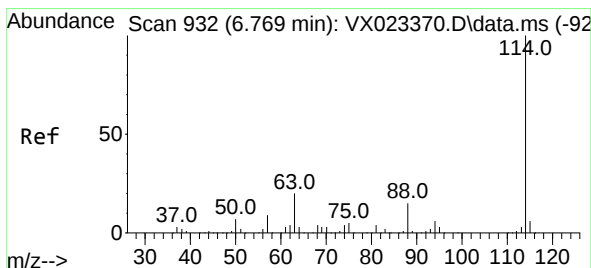
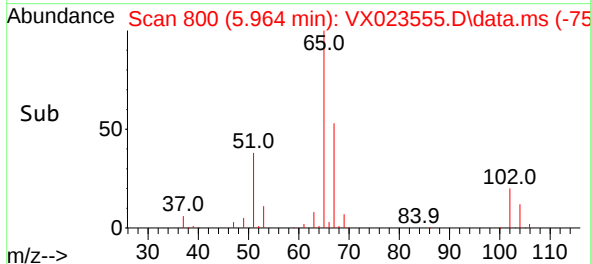
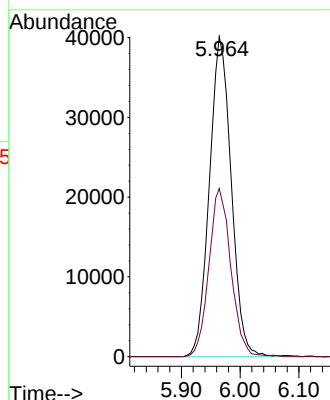
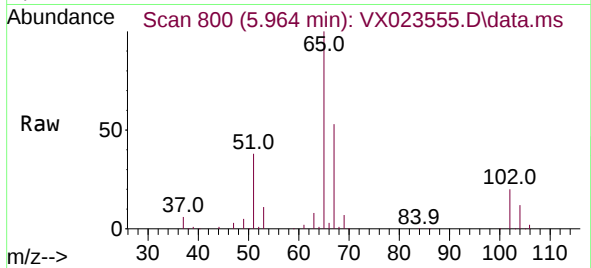




#33
1,2-Dichloroethane-d4
Concen: 52.846 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

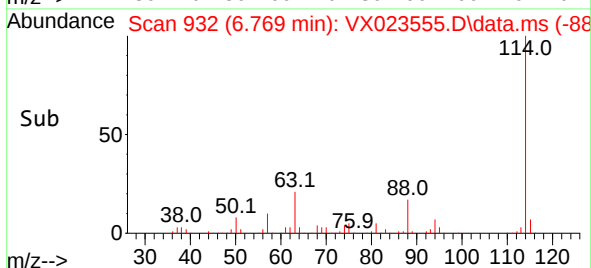
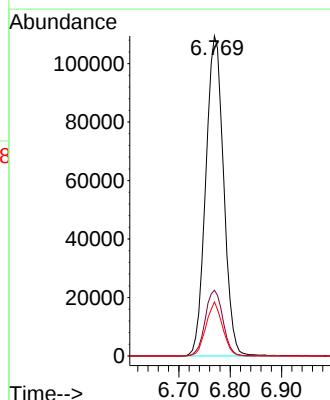
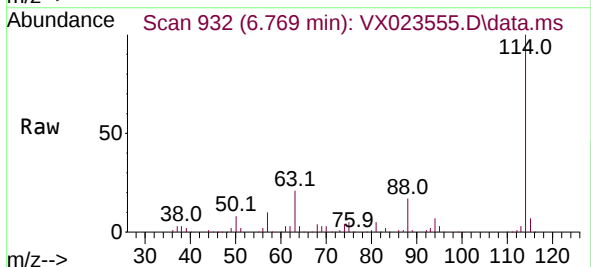
Instrument :
MSVOA_X
ClientSampleId :
MW-4

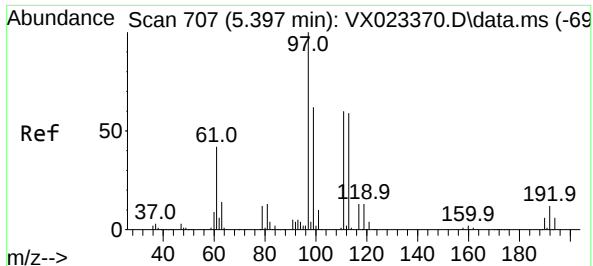
Tgt Ion: 65 Resp: 103629
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

Tgt Ion: 114 Resp: 263819
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.280 ug/l

RT: 5.391 min Scan# 706

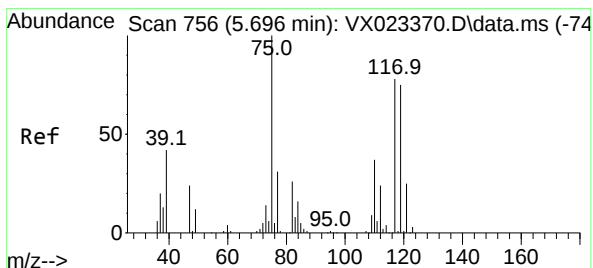
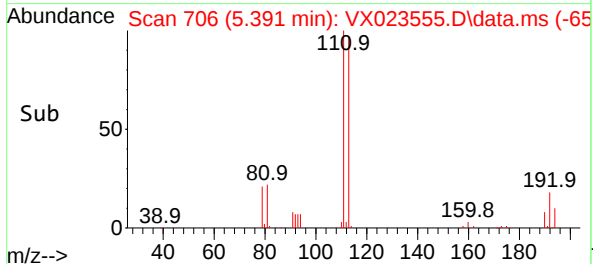
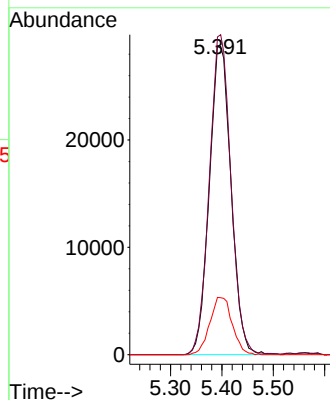
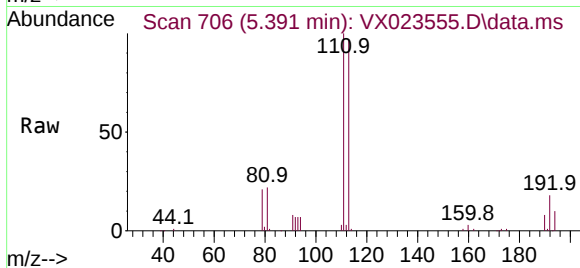
Delta R.T. -0.006 min

Lab File: VX023555.D

Acq: 04 Aug 2021 21:08

Tgt Ion:	113	Resp:	84587
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	19.1	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
MW-4



#36

1,1-Dichloropropene

Concen: 4.909 ug/l

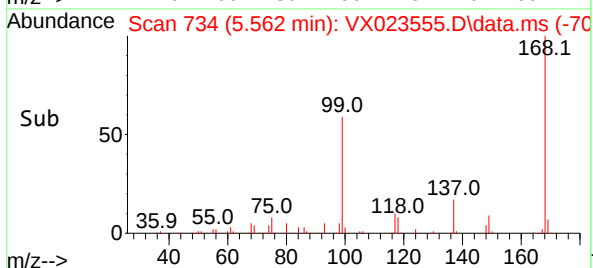
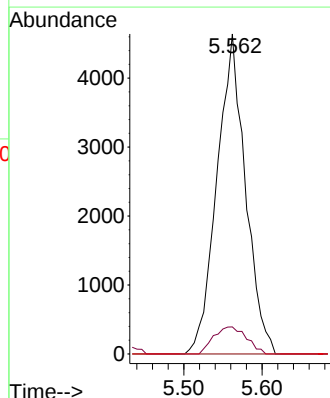
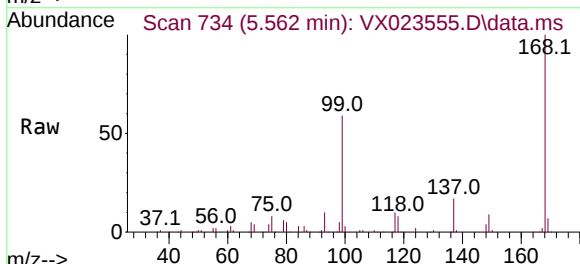
RT: 5.562 min Scan# 734

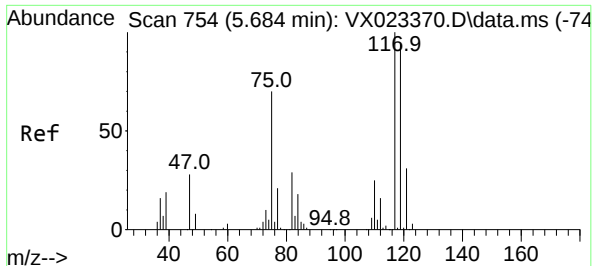
Delta R.T. -0.134 min

Lab File: VX023555.D

Acq: 04 Aug 2021 21:08

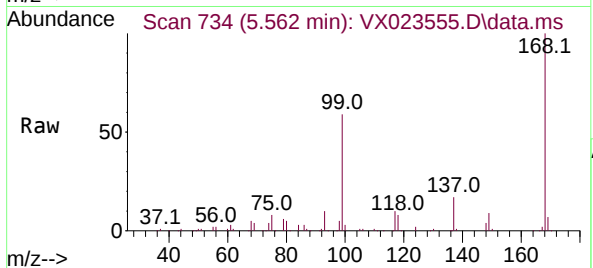
Tgt Ion:	75	Resp:	11716
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.4#
77	0.0	25.3	37.9#



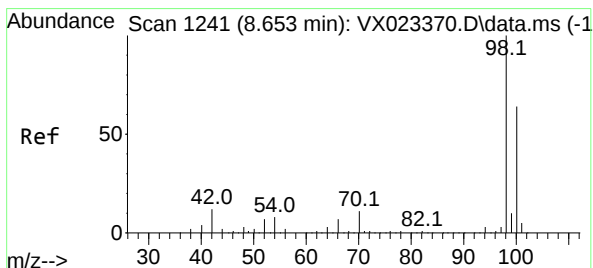
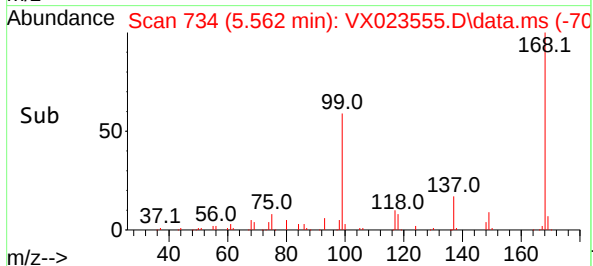
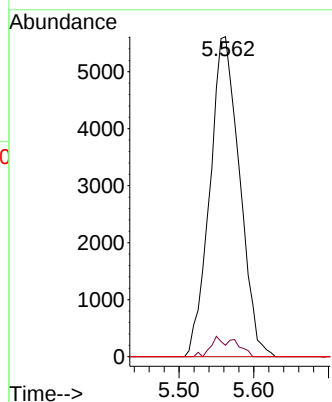


#38
Carbon Tetrachloride
Concen: 6.400 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

Instrument :
MSVOA_X
ClientSampleId :
MW-4

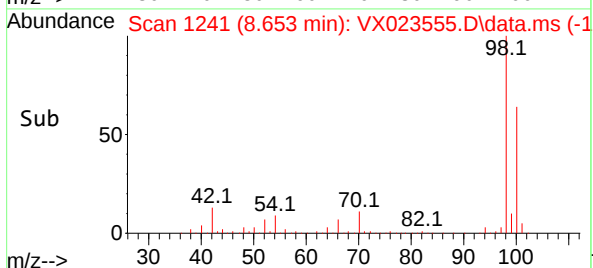
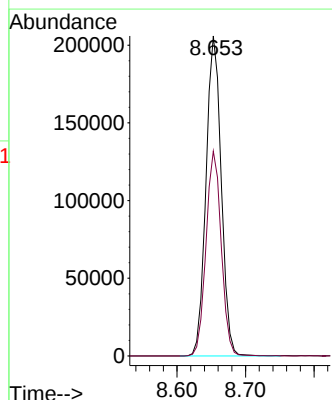
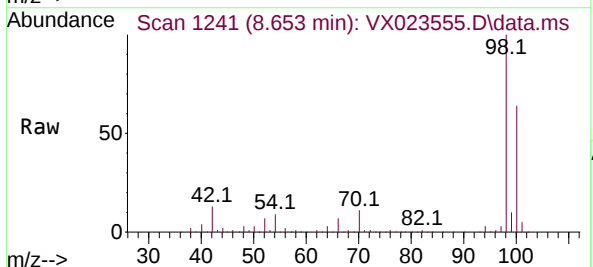


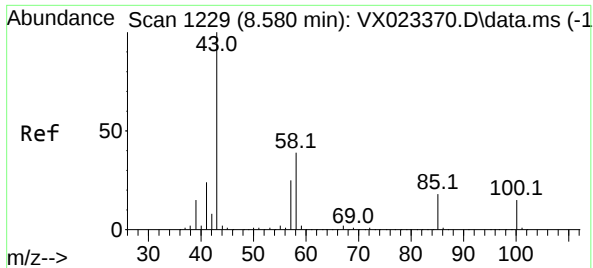
Tgt Ion:117 Resp: 15533
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.593 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

Tgt Ion: 98 Resp: 318732
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

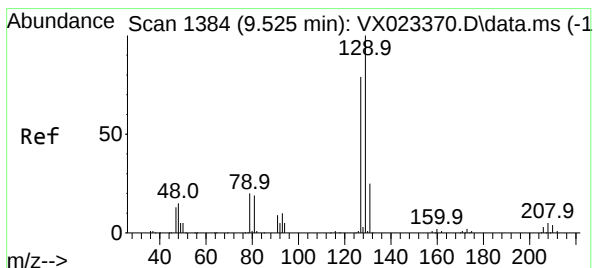
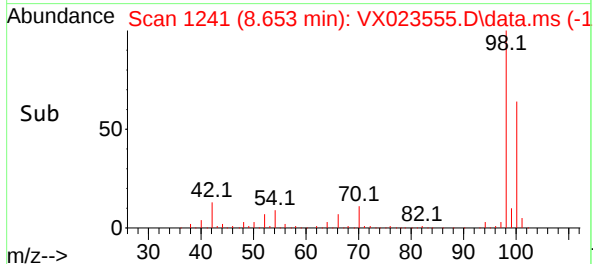
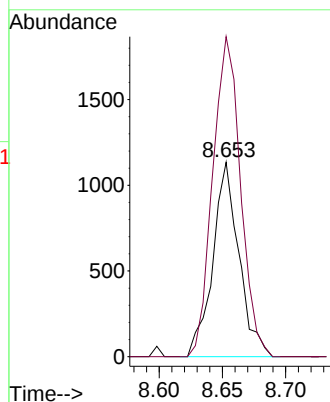
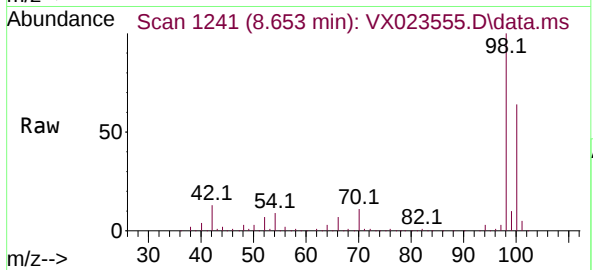




#51
4-Methyl-2-Pentanone
Concen: 0.571 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

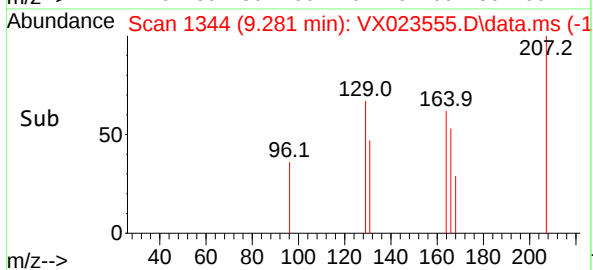
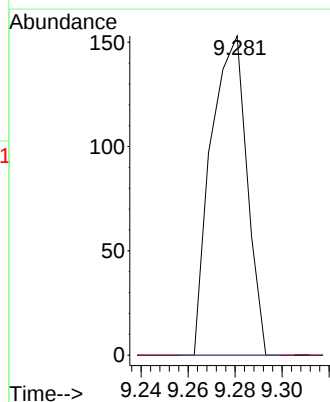
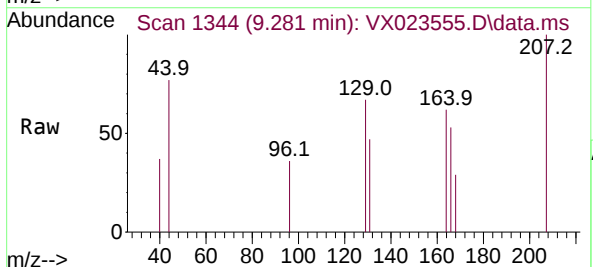
Instrument :
MSVOA_X
ClientSampled :
MW-4

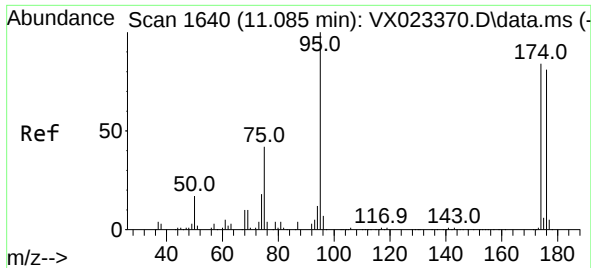
Tgt Ion: 43 Resp: 1628
Ion Ratio Lower Upper
43 100
58 175.2 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.062 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

Tgt Ion: 129 Resp: 162
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

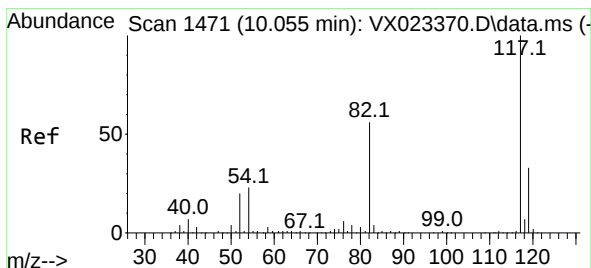
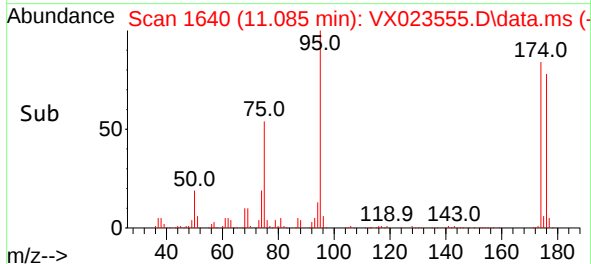
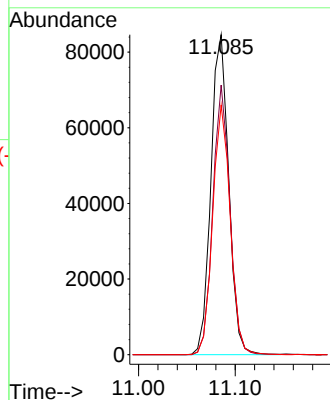
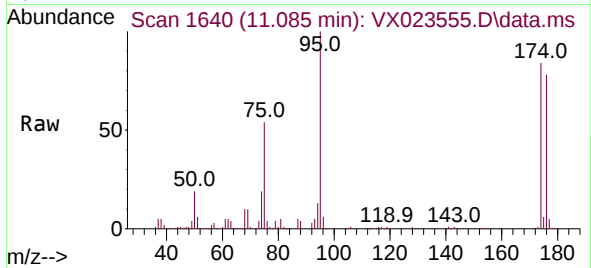




#62
4-Bromofluorobenzene
Concen: 52.503 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

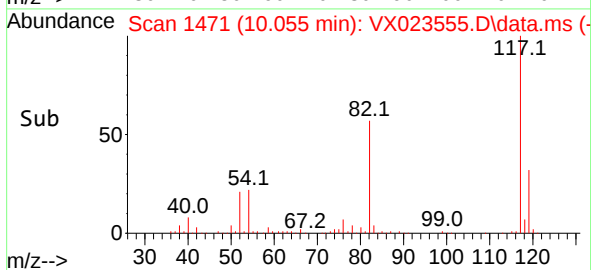
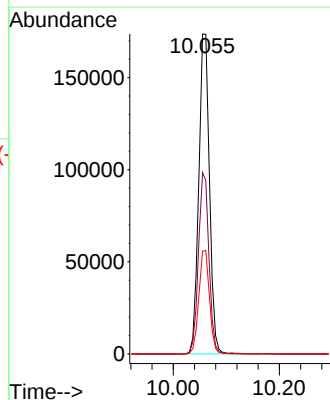
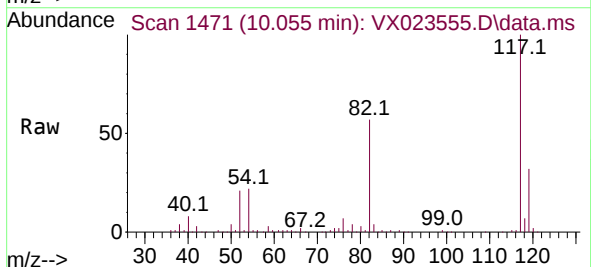
Instrument :
MSVOA_X
ClientSampled :
MW-4

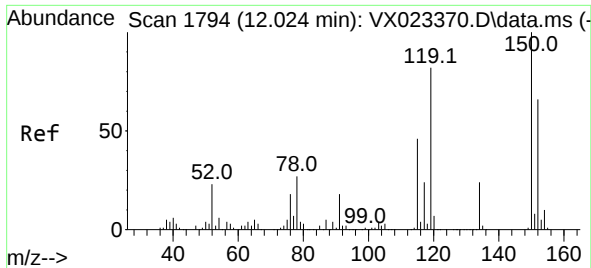
Tgt Ion: 95 Resp: 108196
Ion Ratio Lower Upper
95 100
174 80.9 0.0 154.6
176 76.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023555.D
Acq: 04 Aug 2021 21:08

Tgt Ion: 117 Resp: 243039
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 32.1 26.6 39.8

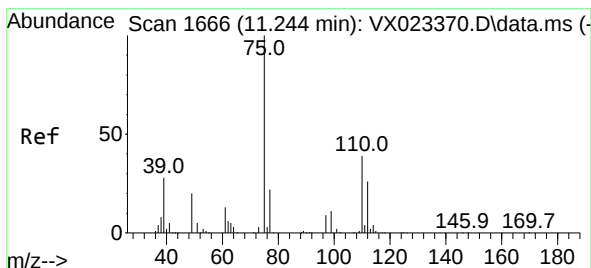
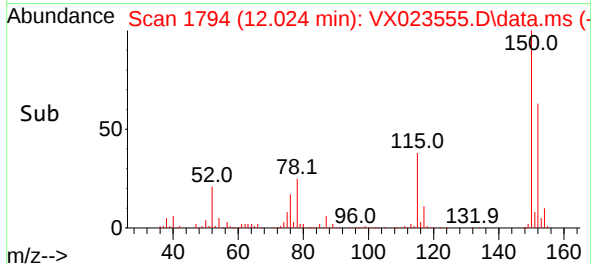
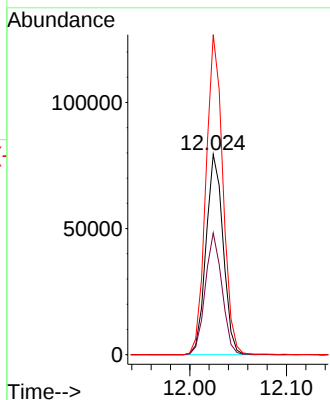
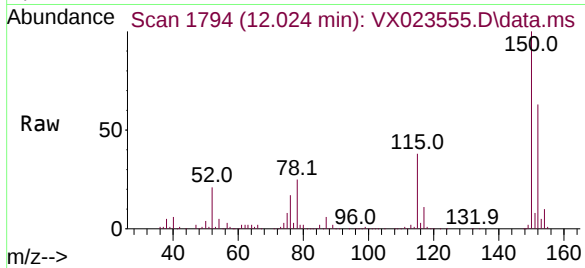




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023555.D
 Acq: 04 Aug 2021 21:08

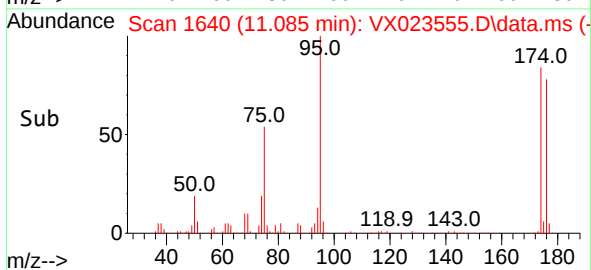
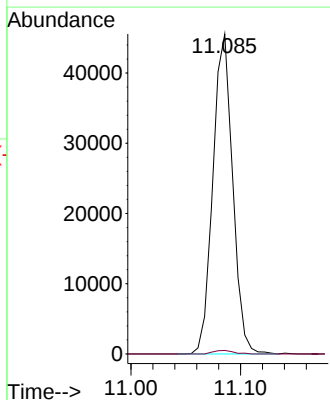
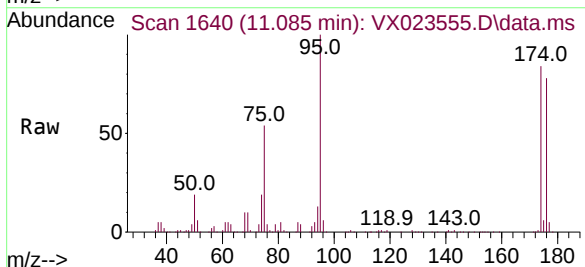
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

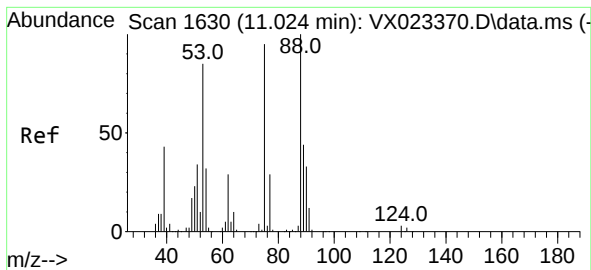
Tgt Ion:152 Resp: 97561
 Ion Ratio Lower Upper
 152 100
 115 59.6 41.1 123.3
 150 158.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.623 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023555.D
 Acq: 04 Aug 2021 21:08

Tgt Ion: 75 Resp: 57156
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.585 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023555.D
 Acq: 04 Aug 2021 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tgt Ion: 75 Resp: 57156
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

