

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090321\
 Data File : VX024108.D
 Acq On : 03 Sep 2021 17:27
 Operator : JC/MD
 Sample : M3643-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-2

Quant Time: Sep 04 01:31:33 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	125785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	210776	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73734	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95979	54.671	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.340%	
35) Dibromofluoromethane	5.397	113	74220	53.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.400%	
50) Toluene-d8	8.653	98	268286	50.527	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.060%	
62) 4-Bromofluorobenzene	11.085	95	87641	44.837	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.680%	

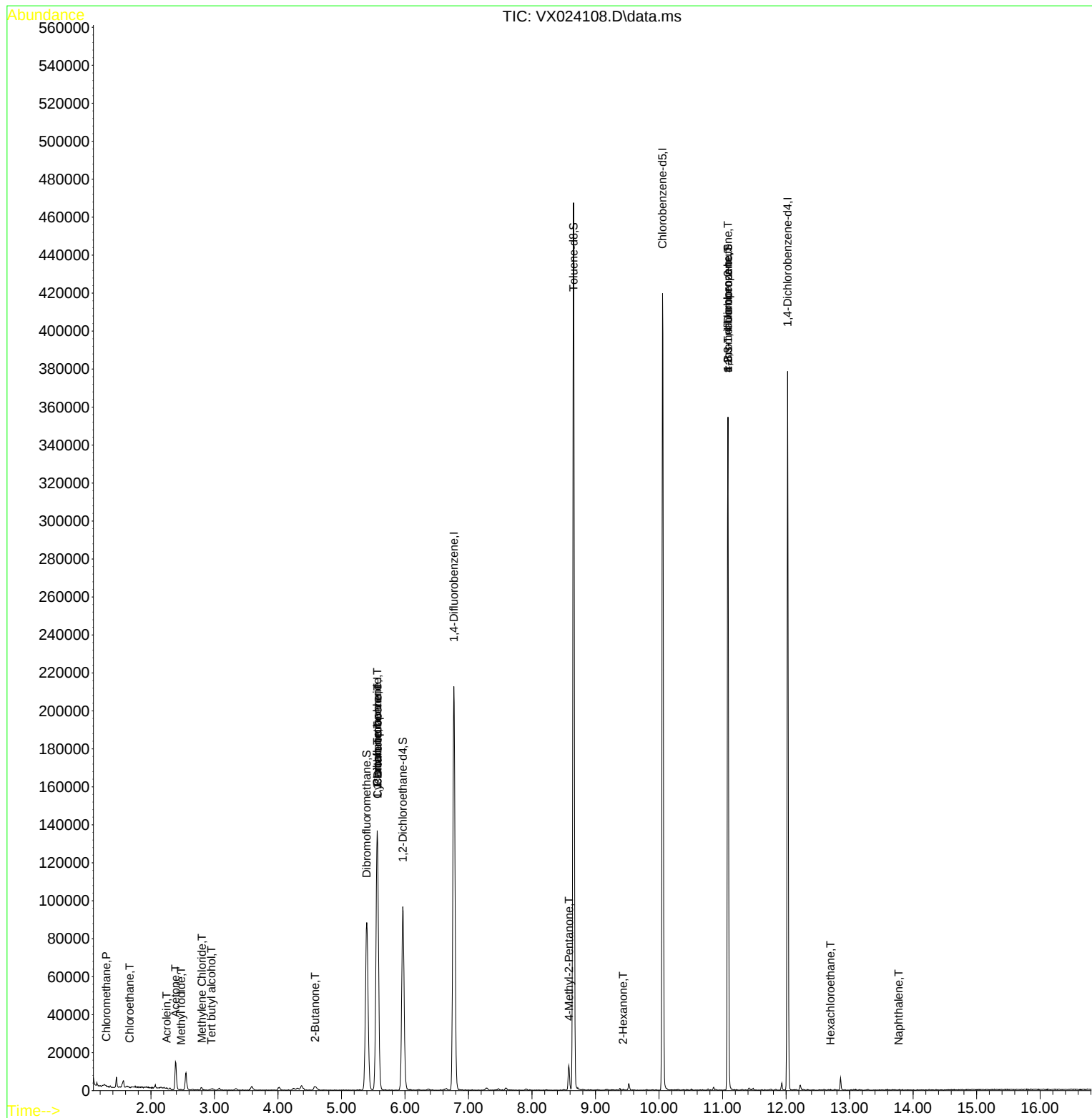
Target Compounds			Qvalue			
3) Chloromethane	1.295	50	377	0.259	ug/l #	77
6) Chloroethane	1.666	64	199	2.378	ug/l #	43
10) Methyl Iodide	2.477	142	414	0.235	ug/l #	84
11) Tert butyl alcohol	2.953	59	745	2.098	ug/l #	73
13) Acrolein	2.246	56	206	0.975	ug/l #	65
16) Acetone	2.386	43	15998	20.381	ug/l	91
20) Methylene Chloride	2.800	84	610	0.407	ug/l #	96
25) 2-Butanone	4.587	43	2643	2.223	ug/l	98
31) Cyclohexane	5.568	56	3014	1.336	ug/l #	21
36) 1,1-Dichloropropene	5.568	75	9843	5.043	ug/l #	50
38) Carbon Tetrachloride	5.562	117	12892	6.334	ug/l #	17
51) 4-Methyl-2-Pentanone	8.580	43	7925	3.267	ug/l	87
59) 2-Hexanone	9.433	43	386	0.207	ug/l	65
76) 1,2,3-Trichloropropane	11.085	75	48612	28.262	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	48612	83.135	ug/l #	12
90) Hexachloroethane	12.701	117	117	1.605	ug/l #	9
95) Naphthalene	13.774	128	95	1.300	ug/l #	69

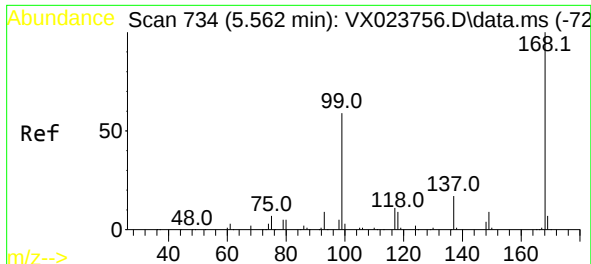
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 04 01:31:33 2021
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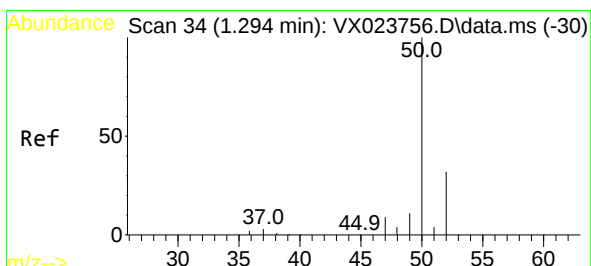
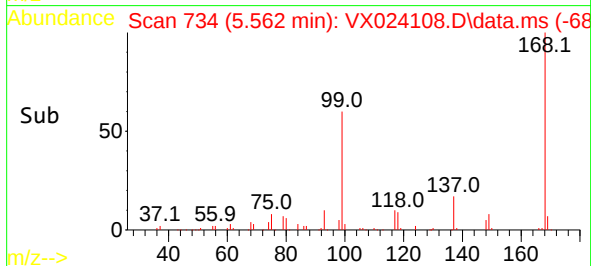
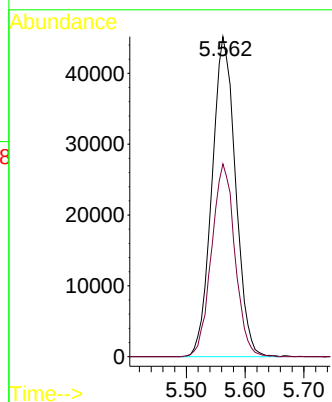
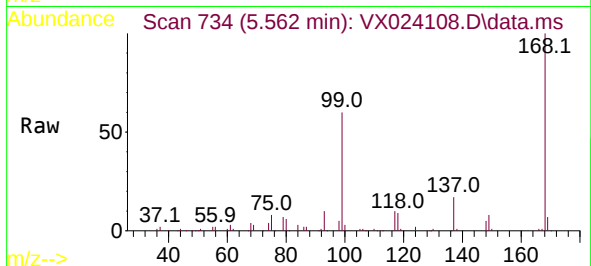




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

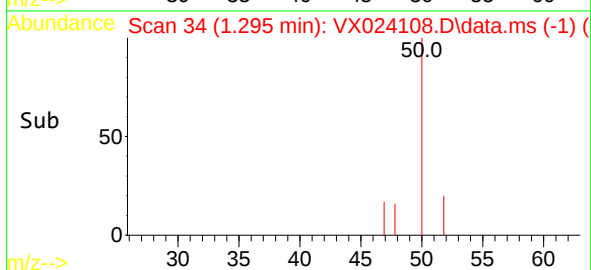
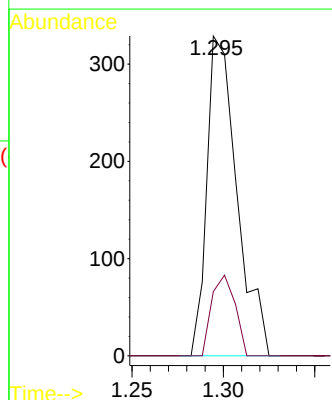
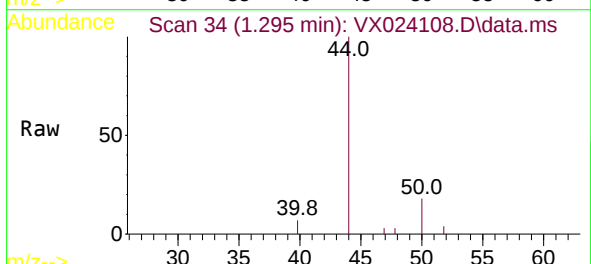
Instrument :
MSVOA_X
ClientSampled :
OF-2

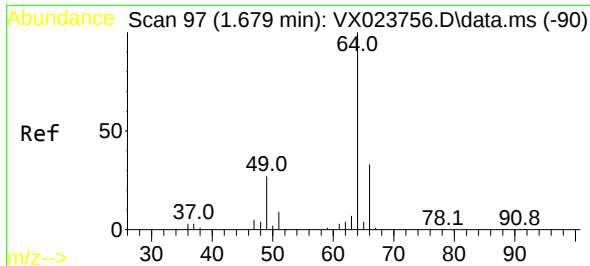
Tgt Ion:168 Resp: 125785
Ion Ratio Lower Upper
168 100
99 60.3 45.8 68.6



#3
Chloromethane
Concen: 0.259 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 20.1 26.4 39.6#

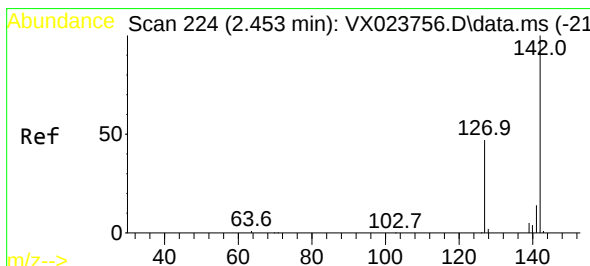
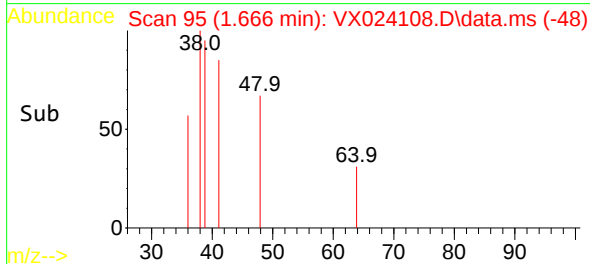
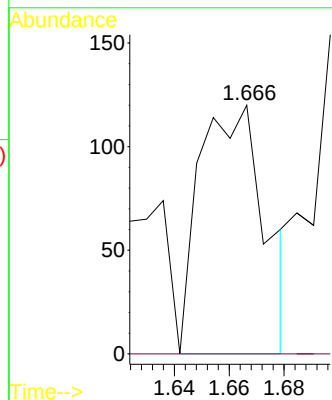
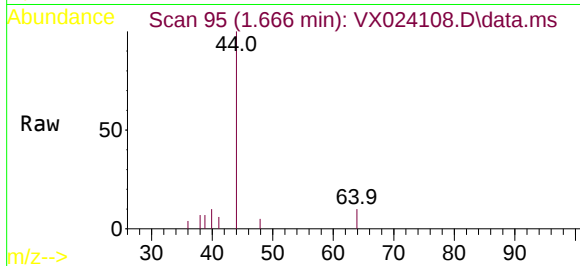




#6
Chloroethane
Concen: 2.378 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

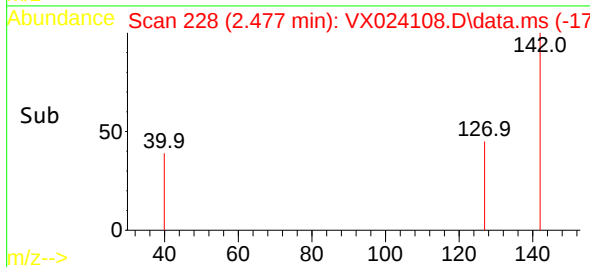
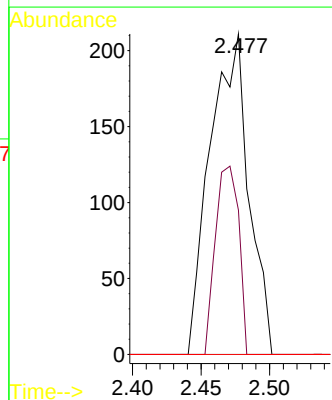
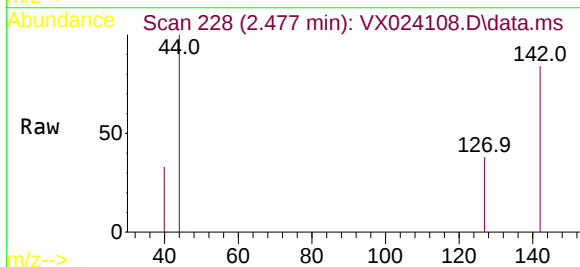
Instrument :
MSVOA_X
ClientSampled :
OF-2

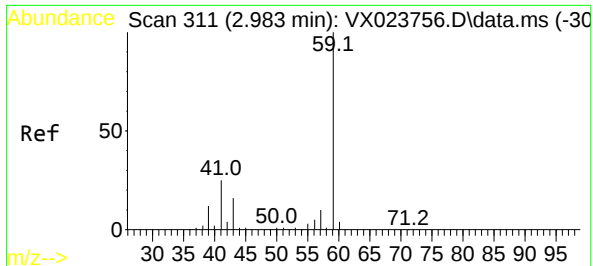
Tgt Ion: 64 Resp: 199
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.235 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.024 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Tgt Ion: 142 Resp: 414
Ion Ratio Lower Upper
142 100
127 35.5 33.3 49.9
141 0.0 11.4 17.0#



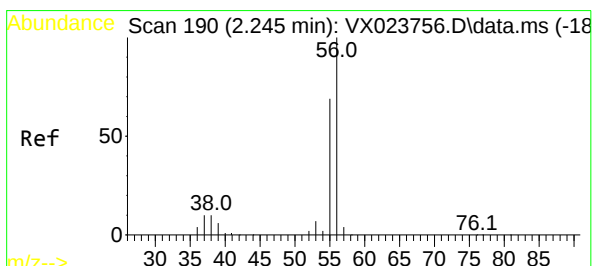
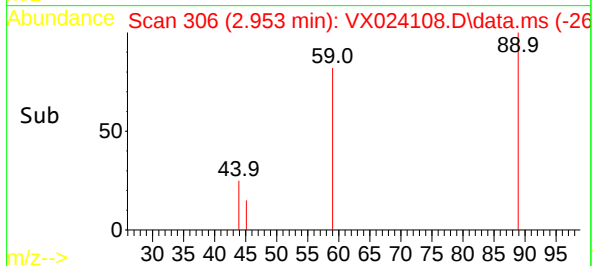
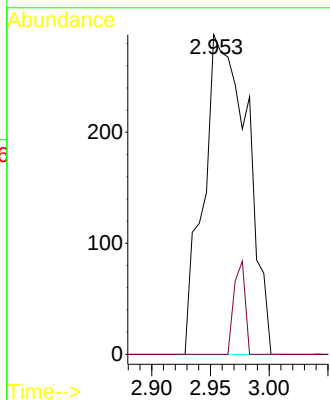
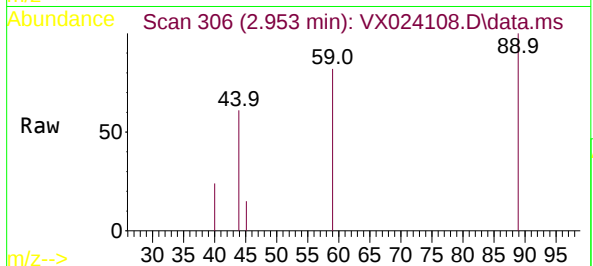


#11

Tert butyl alcohol
Concen: 2.098 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Instrument :
MSVOA_X
ClientSampled :
OF-2

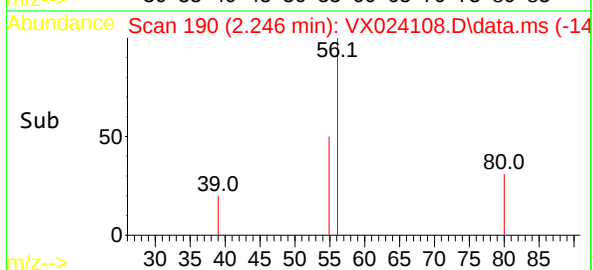
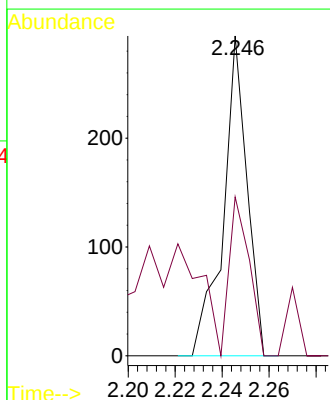
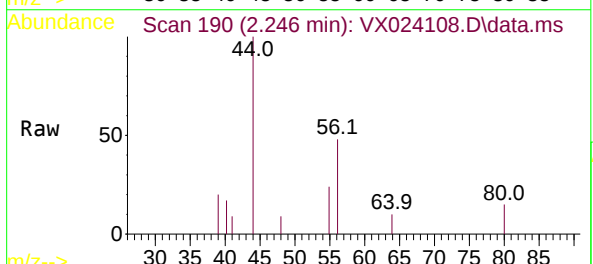
Tgt Ion: 59 Resp: 745
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

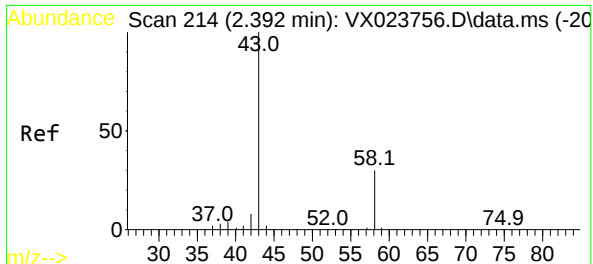


#13

Acrolein
Concen: 0.975 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Tgt Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
55 41.7 56.4 84.6#

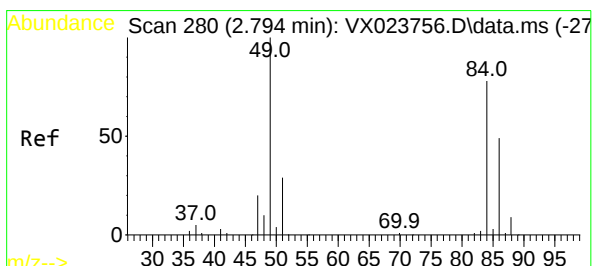
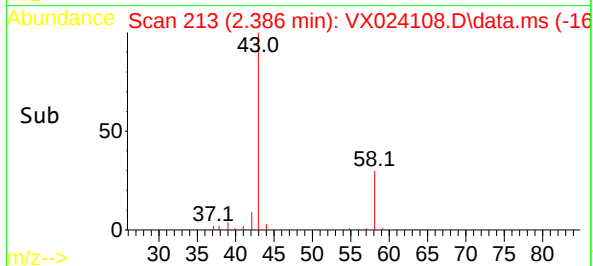
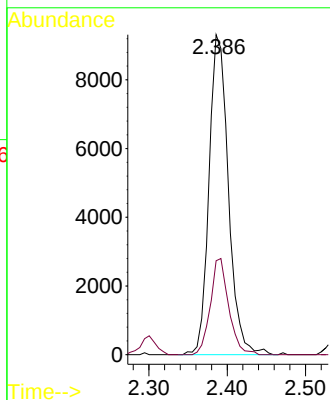
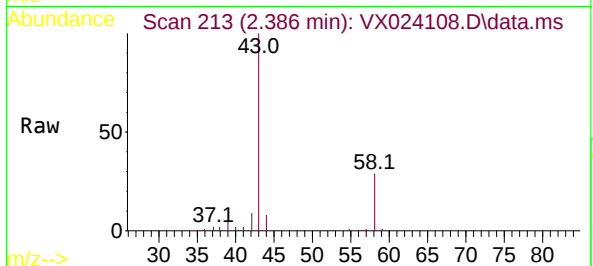




#16
Acetone
Concen: 20.381 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

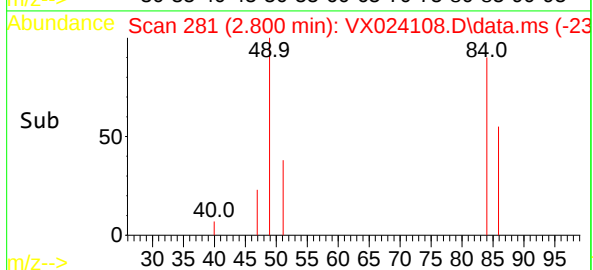
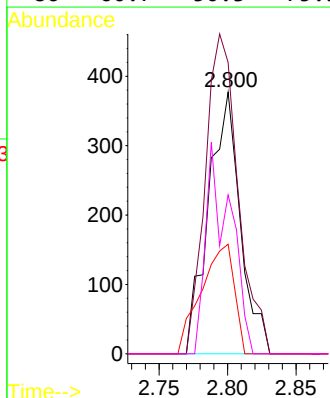
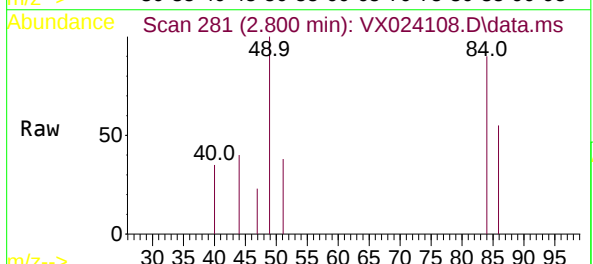
Instrument :
MSVOA_X
ClientSampled :
OF-2

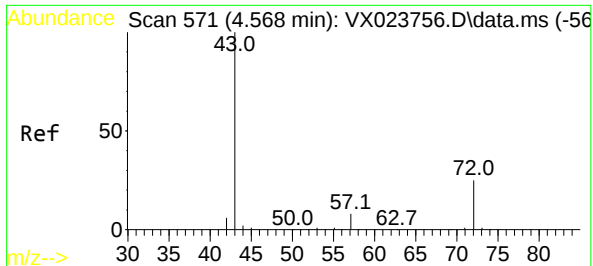
Tgt Ion: 43 Resp: 15998
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8



#20
Methylene Chloride
Concen: 0.407 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Tgt Ion: 84 Resp: 610
Ion Ratio Lower Upper
84 100
49 111.4 88.6 132.8
51 41.9 27.0 40.6#
86 60.7 50.3 75.5





#25

2-Butanone

Concen: 2.223 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX024108.D

Acq: 03 Sep 2021 17:27

Tgt Ion: 43 Resp: 2643

Ion Ratio Lower Upper

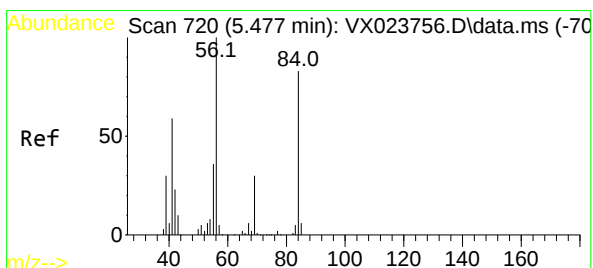
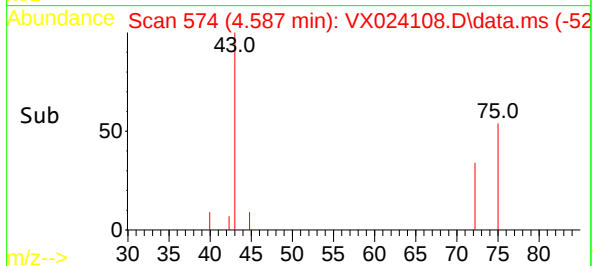
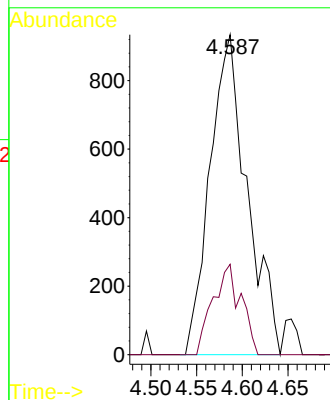
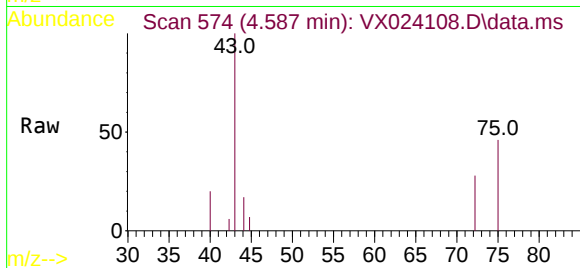
43	100		
72	28.3	23.7	35.5

Instrument :

MSVOA_X

ClientSampled :

OF-2



#31

Cyclohexane

Concen: 1.336 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.091 min

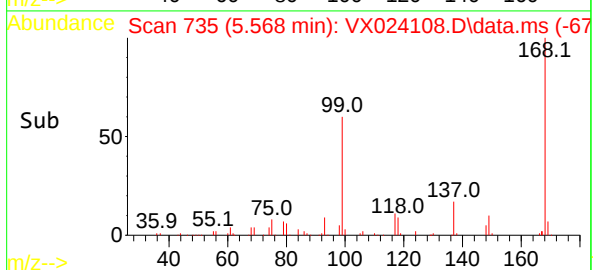
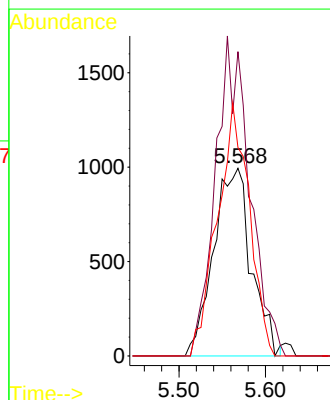
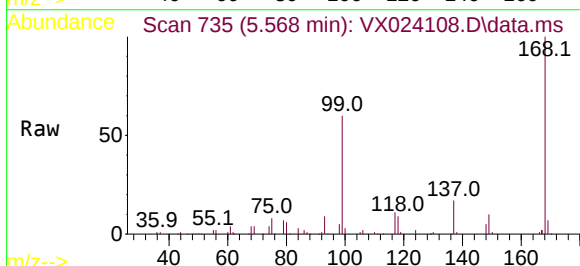
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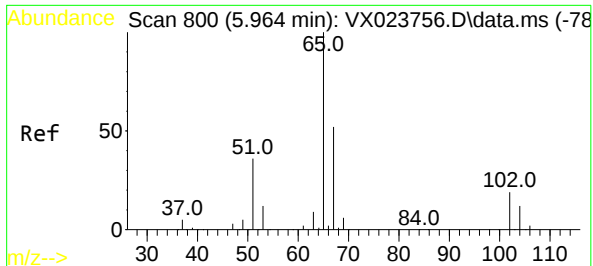
Acq: 03 Sep 2021 17:27

Tgt Ion: 56 Resp: 3014

Ion Ratio Lower Upper

56	100		
69	162.2	25.3	37.9#
84	111.1	71.4	107.0#



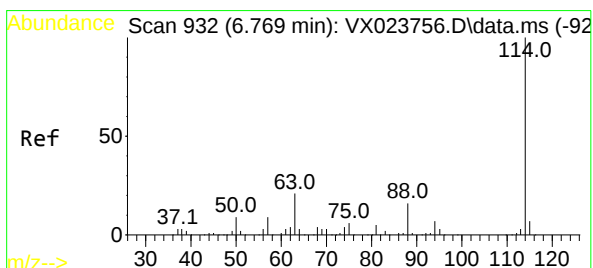
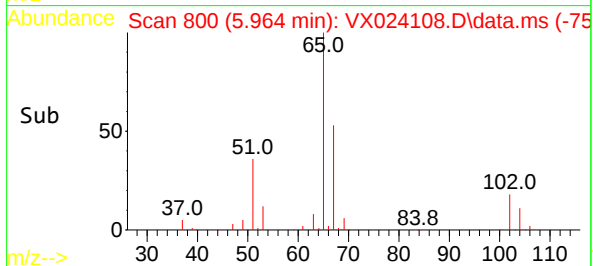
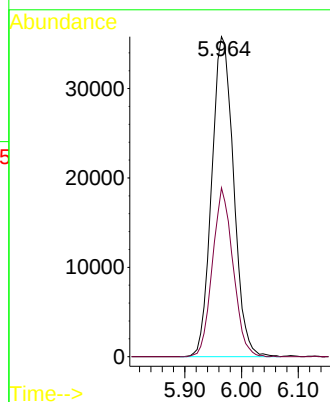
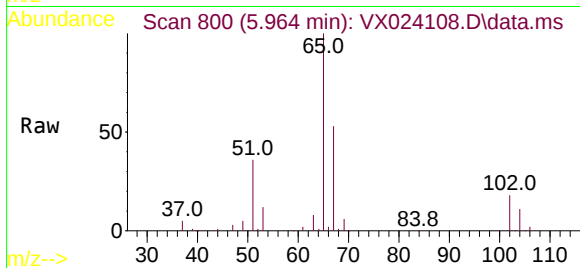


#33

1,2-Dichloroethane-d4
Concen: 54.671 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Instrument :
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ClientSampled :
OF-2

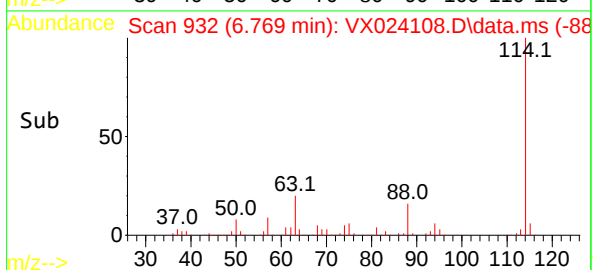
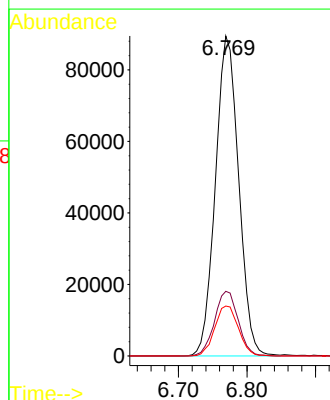
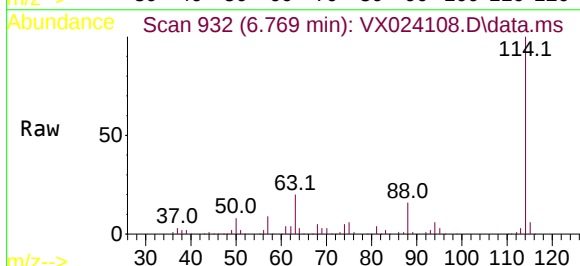
Tgt Ion: 65 Resp: 95979
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

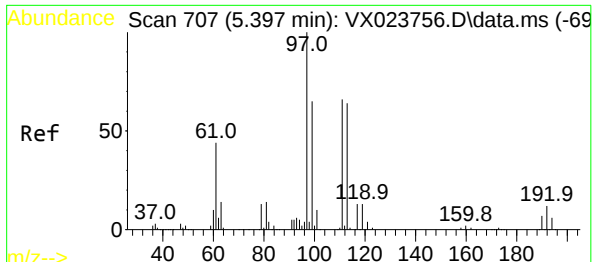


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Tgt Ion: 114 Resp: 210776
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 15.6 0.0 32.8

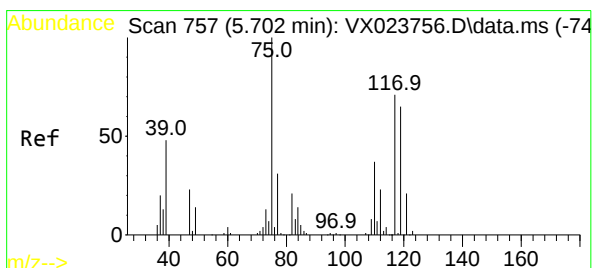
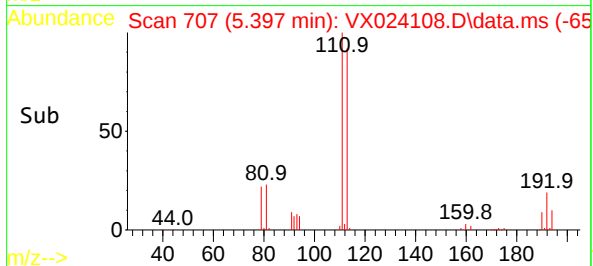
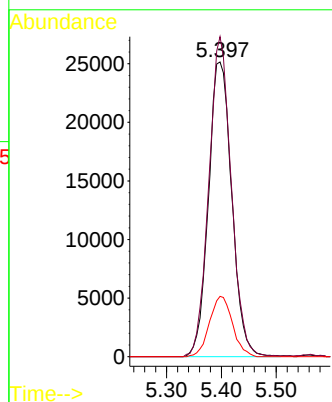
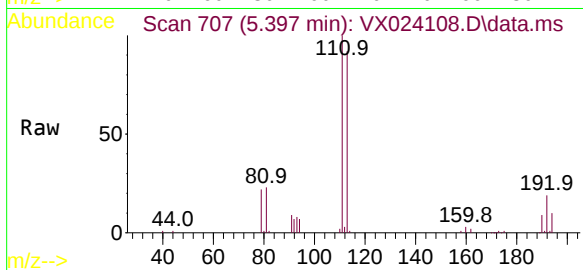




#35
Dibromofluoromethane
Concen: 53.202 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

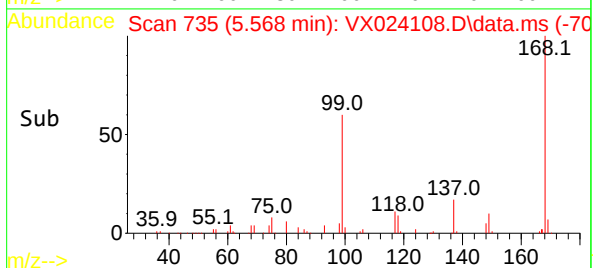
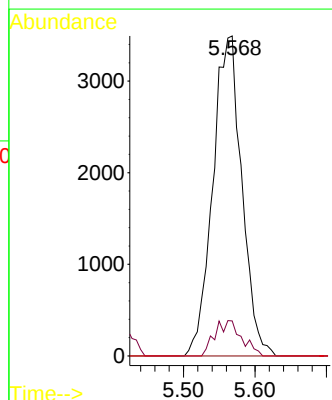
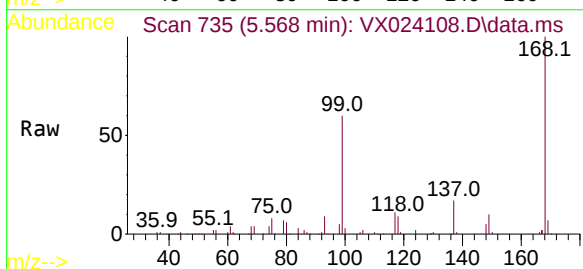
Instrument :
MSVOA_X
ClientSampled :
OF-2

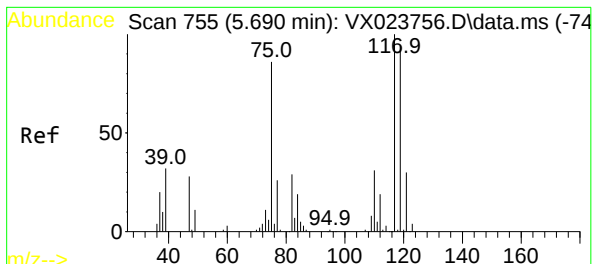
Tgt Ion:113 Resp: 74220
Ion Ratio Lower Upper
113 100
111 104.3 81.9 122.9
192 20.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.043 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

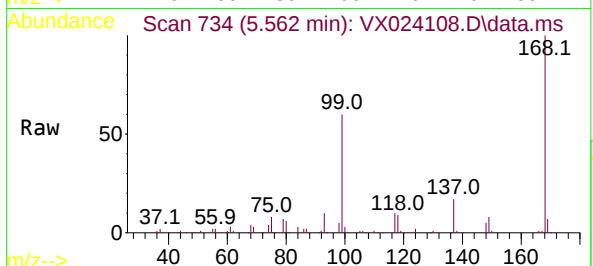
Tgt Ion: 75 Resp: 9843
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.3 37.9#



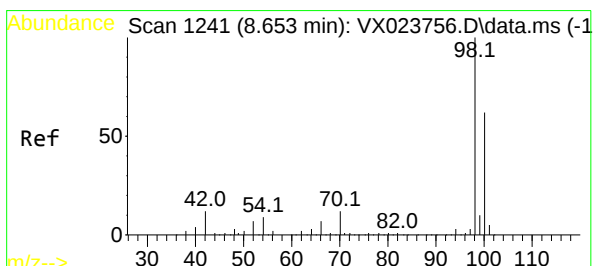
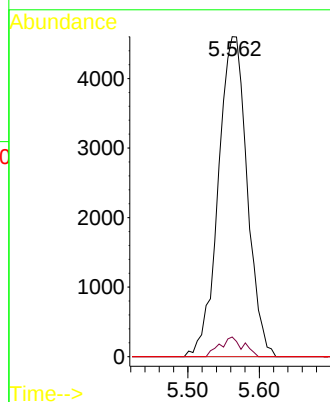
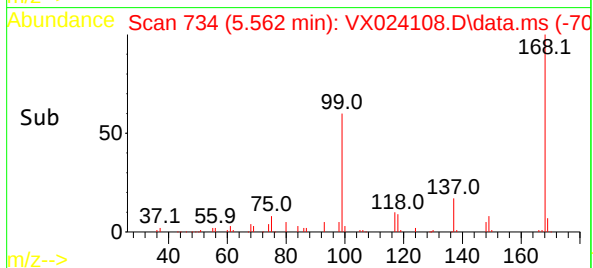


#38
Carbon Tetrachloride
Concen: 6.334 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

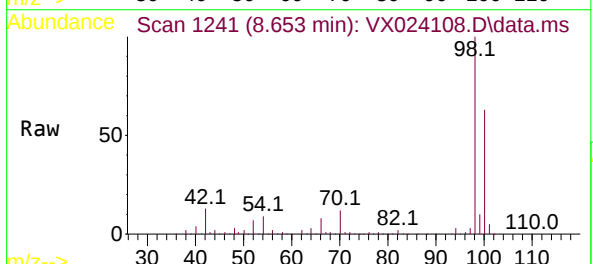
Instrument :
MSVOA_X
ClientSampled :
OF-2



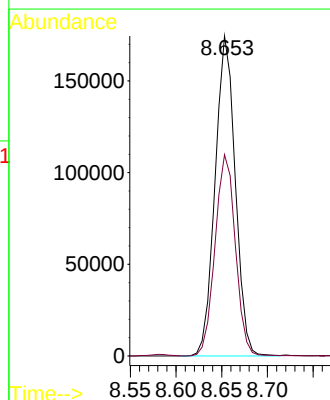
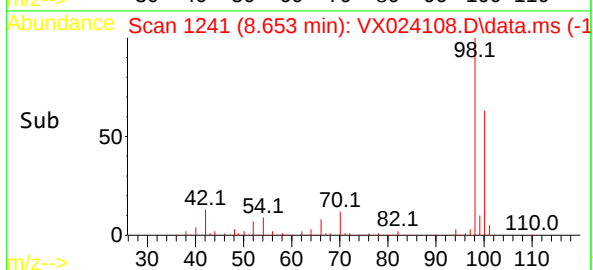
Tgt Ion:117 Resp: 12892
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

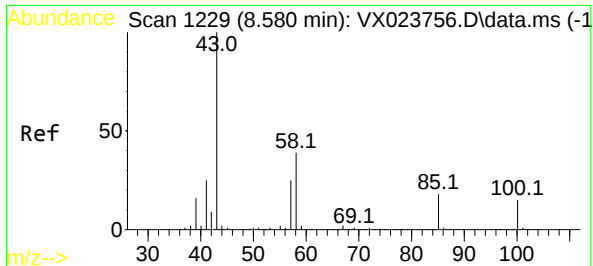


#50
Toluene-d8
Concen: 50.527 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27



Tgt Ion: 98 Resp: 268286
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9

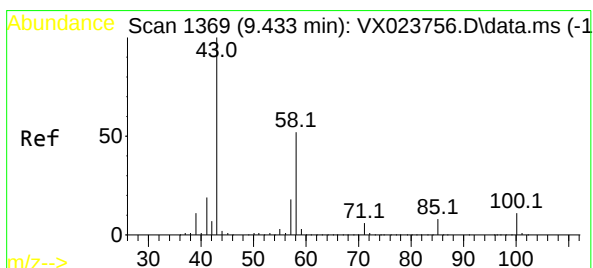
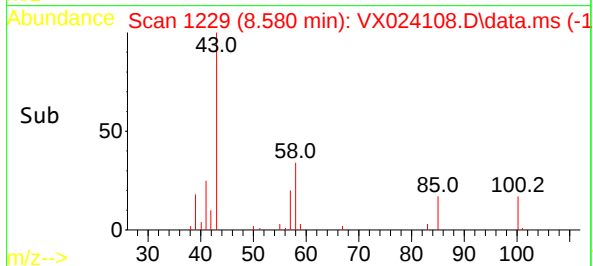
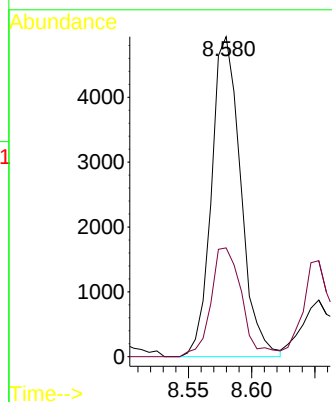
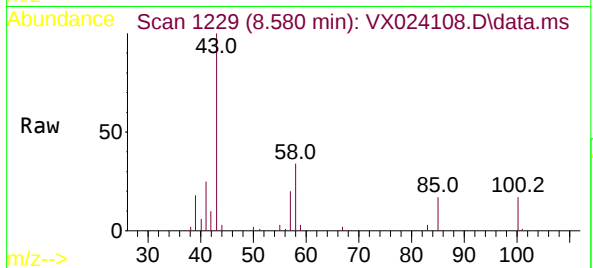




#51
4-Methyl-2-Pentanone
Concen: 3.267 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

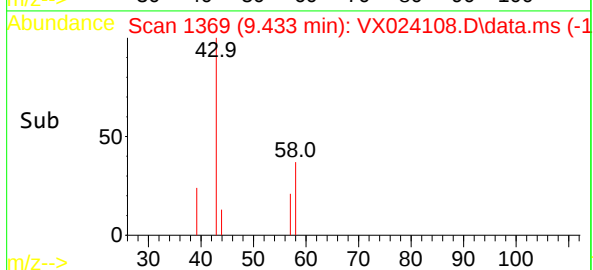
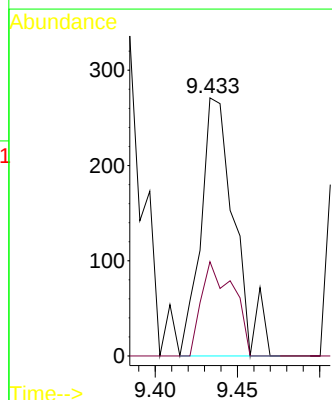
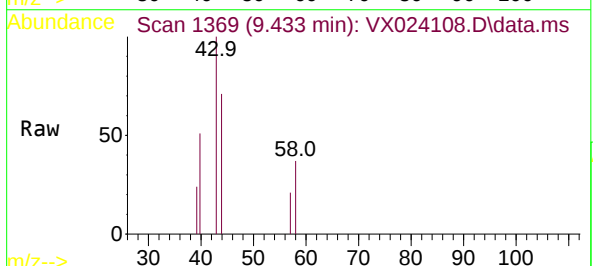
Instrument :
MSVOA_X
ClientSampled :
OF-2

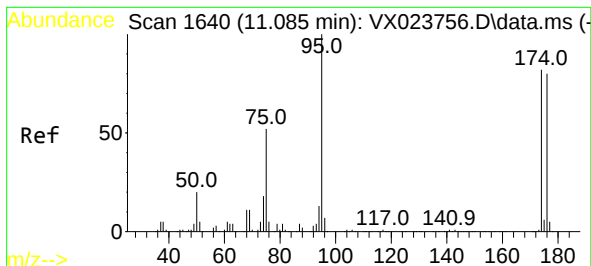
Tgt Ion: 43 Resp: 7925
Ion Ratio Lower Upper
43 100
58 36.1 35.4 53.0



#59
2-Hexanone
Concen: 0.207 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Tgt Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
58 34.7 30.9 92.8

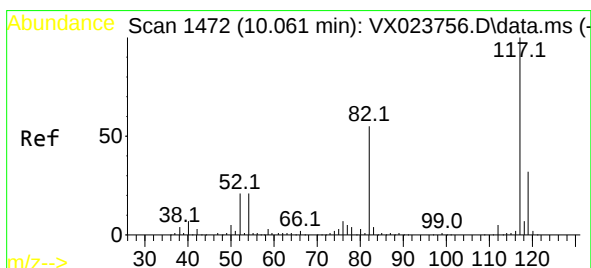
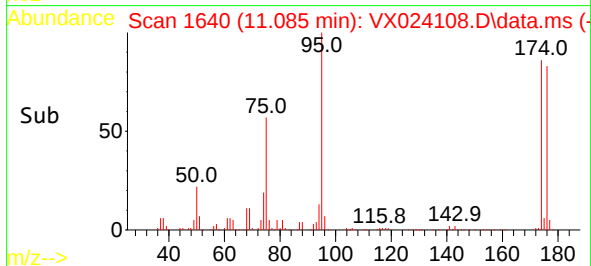
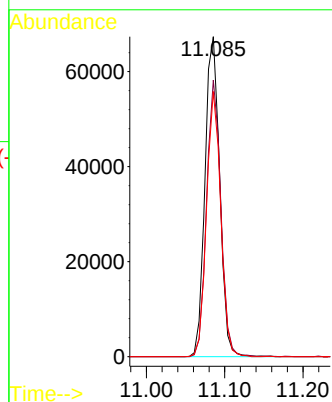
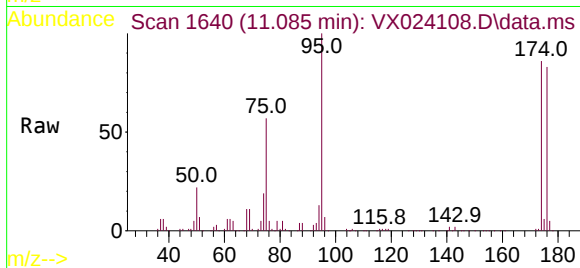




#62
4-Bromofluorobenzene
Concen: 44.837 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

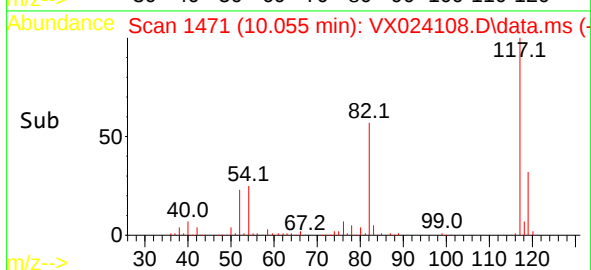
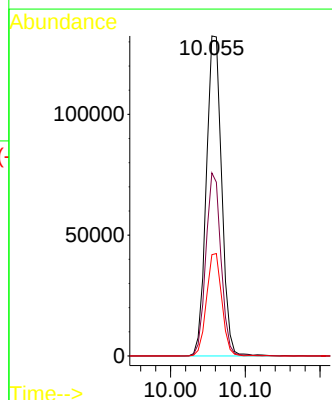
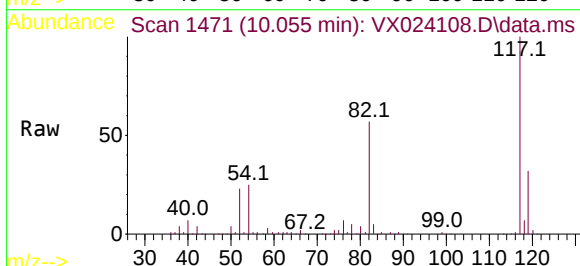
Instrument :
MSVOA_X
ClientSampled :
OF-2

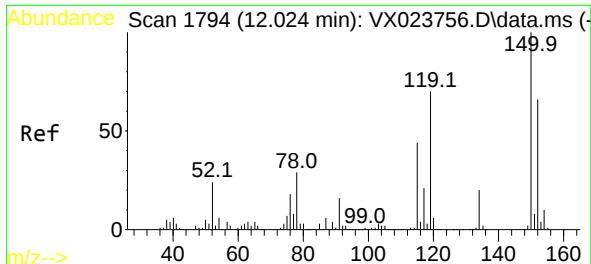
Tgt Ion: 95 Resp: 87641
Ion Ratio Lower Upper
95 100
174 83.7 0.0 154.6
176 79.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Tgt Ion: 117 Resp: 189032
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 31.7 26.6 39.8

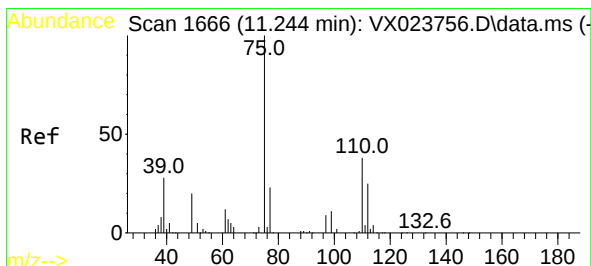
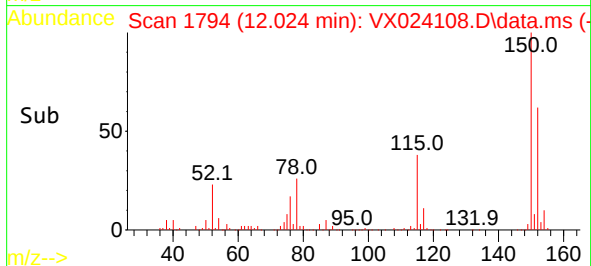
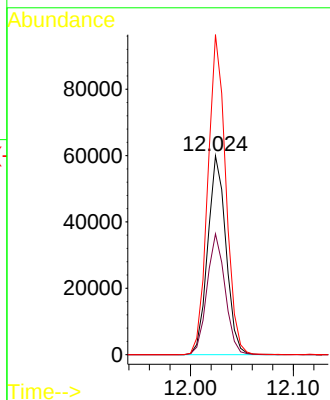
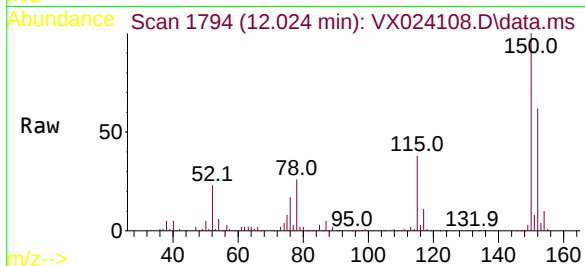




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

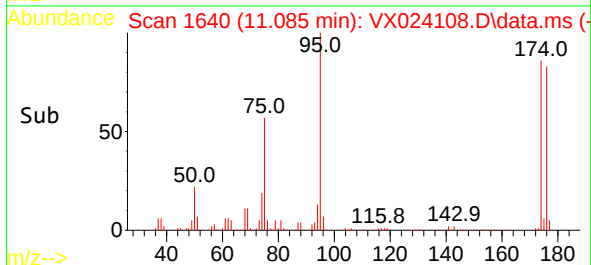
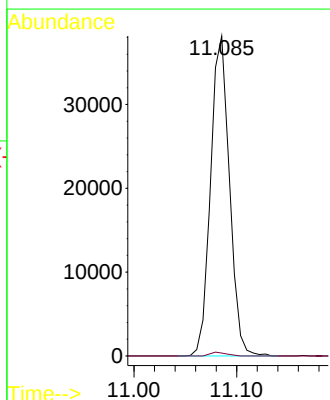
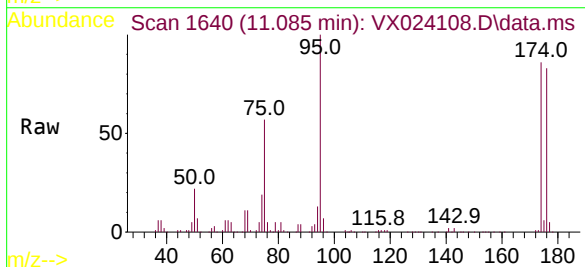
Instrument :
MSVOA_X
ClientSampled :
OF-2

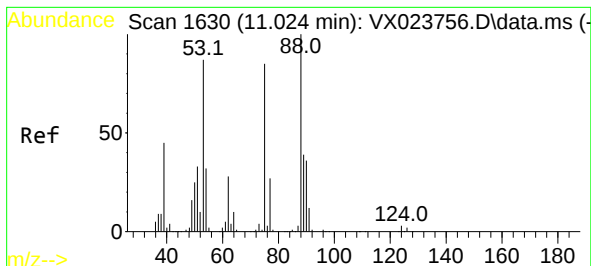
Tgt Ion:152 Resp: 73734
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 158.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.262 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Tgt Ion: 75 Resp: 48612
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

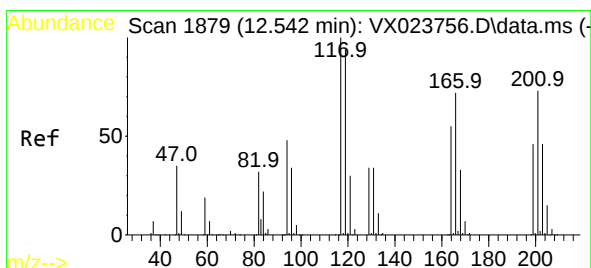
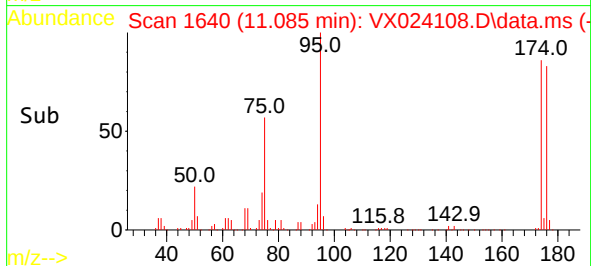
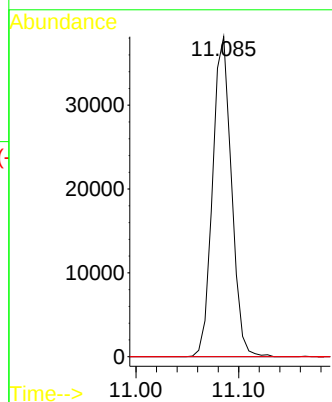
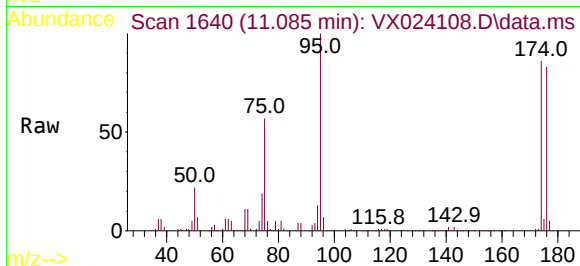




#81
trans-1,4-Dichloro-2-butene
Concen: 83.135 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

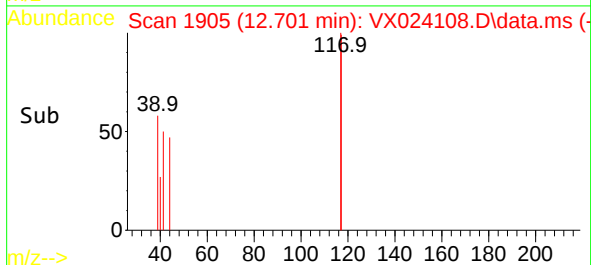
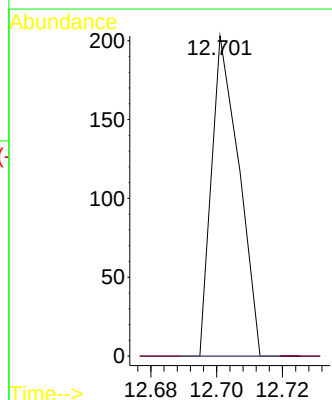
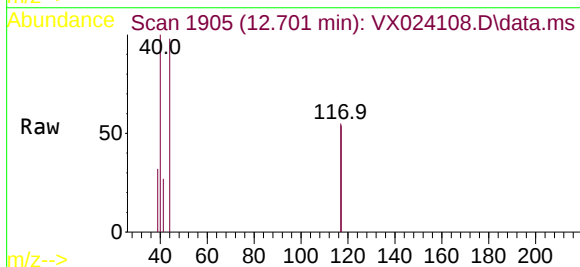
Instrument :
MSVOA_X
ClientSampled :
OF-2

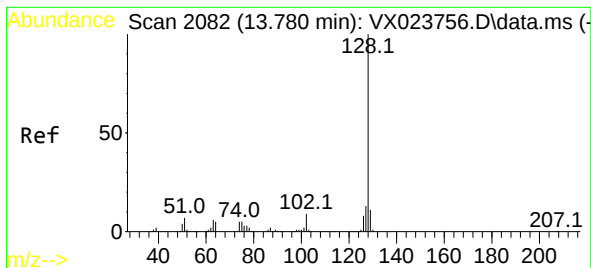
Tgt Ion: 75 Resp: 48612
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 1.605 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

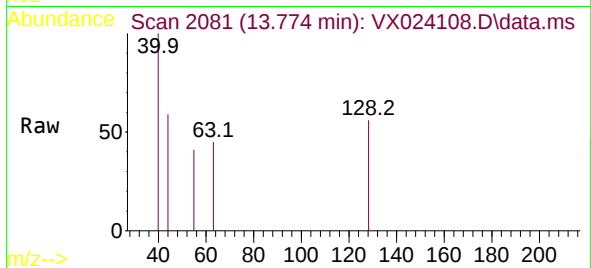
Tgt Ion: 117 Resp: 117
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.300 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX024108.D
Acq: 03 Sep 2021 17:27

Instrument :
MSVOA_X
ClientSampleId :
OF-2



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

