

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072221\
 Data File : VX023394.D
 Acq On : 23 Jul 2021 00:06
 Operator : JC/MD
 Sample : M3145-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 152140-MW-2D(OFFSITE)

Quant Time: Jul 23 06:11:43 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	170618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	289822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	250498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100683	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110735	52.030	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.060%	
35) Dibromofluoromethane	5.397	113	91455	50.469	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.940%	
50) Toluene-d8	8.653	98	340125	51.088	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	11.085	95	107208	47.356	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.720%	

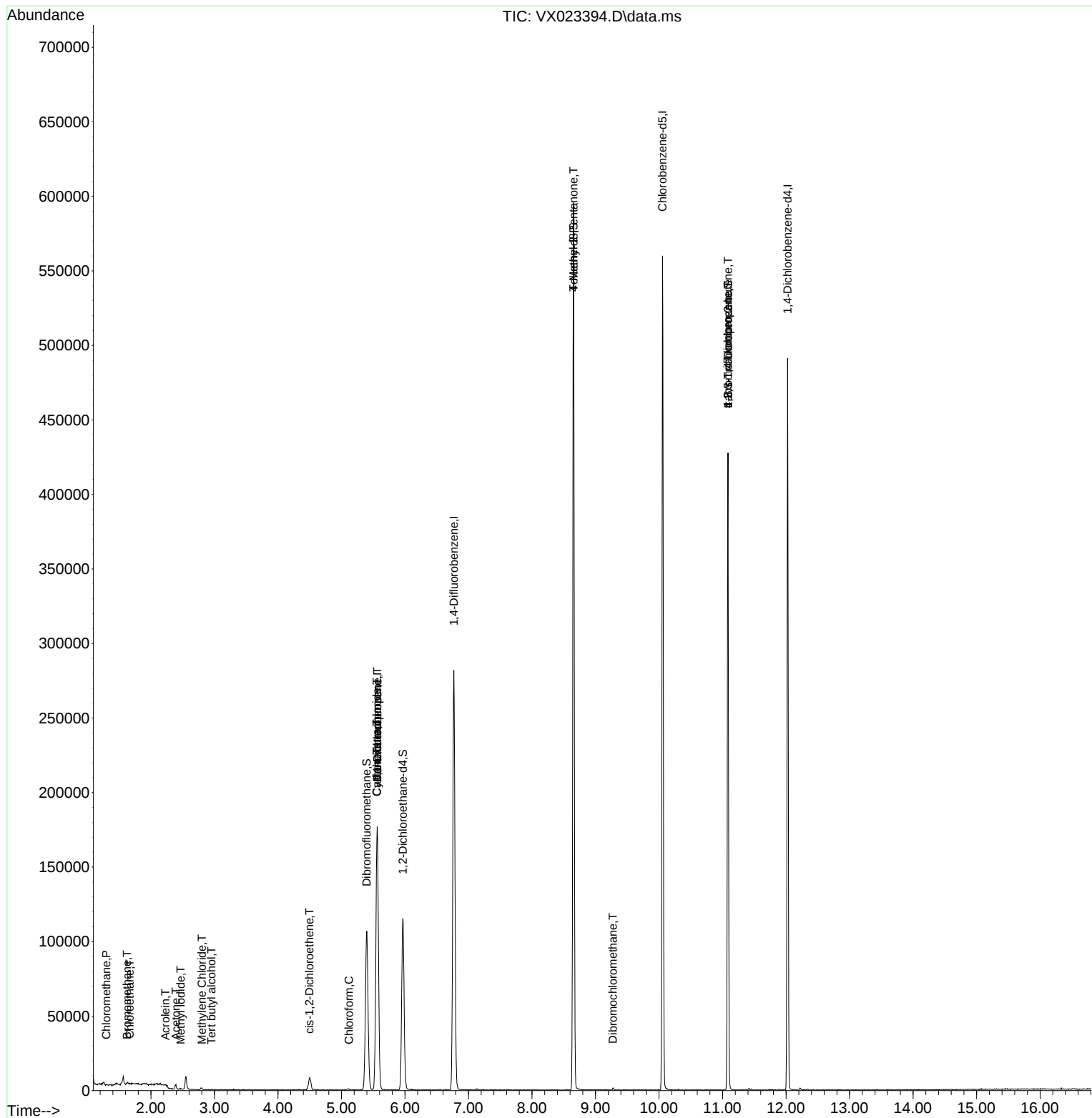
Target Compounds				Qvalue		
3) Chloromethane	1.295	50	495	0.271	ug/l	89
5) Bromomethane	1.624	94	738	0.672	ug/l	82
6) Chloroethane	1.666	64	297	0.261	ug/l #	43
10) Methyl Iodide	2.465	142	716	0.338	ug/l #	87
11) Tert butyl alcohol	2.953	59	153	0.315	ug/l #	73
13) Acrolein	2.227	56	51	1.569	ug/l #	1
16) Acetone	2.392	43	3315	3.175	ug/l	92
20) Methylene Chloride	2.800	84	529	0.260	ug/l #	84
27) cis-1,2-Dichloroethene	4.495	96	5049	2.441	ug/l	93
30) Chloroform	5.117	83	882	0.261	ug/l	93
31) Cyclohexane	5.556	56	3757	1.192	ug/l #	24
36) 1,1-Dichloropropene	5.562	75	13211	5.039	ug/l #	49
38) Carbon Tetrachloride	5.556	117	17286	6.483	ug/l #	17
51) 4-Methyl-2-Pentanone	8.653	43	1579	0.504	ug/l #	1
60) Dibromochloromethane	9.275	129	242	2.091	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	55414	25.011	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55414	67.251	ug/l #	12

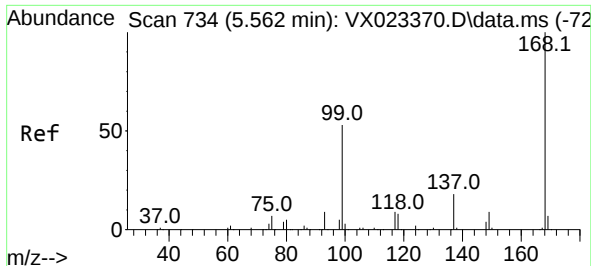
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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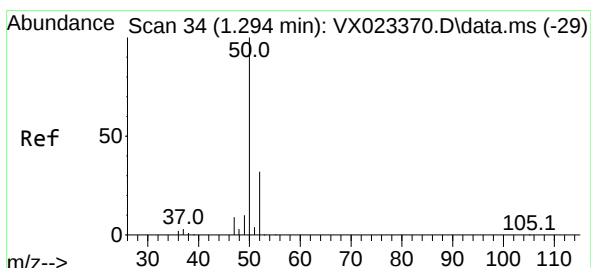
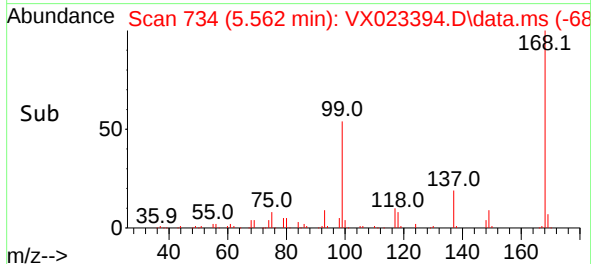
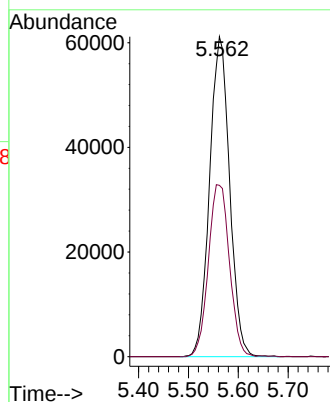
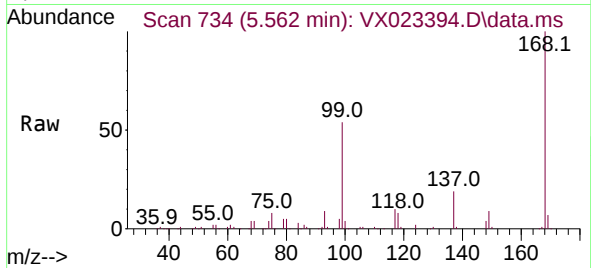




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

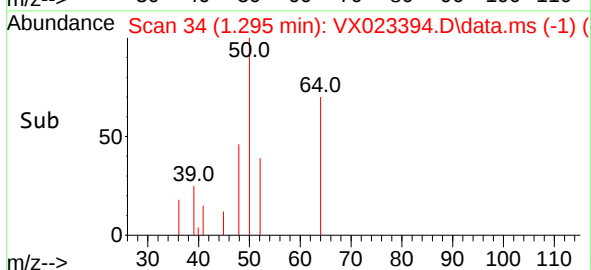
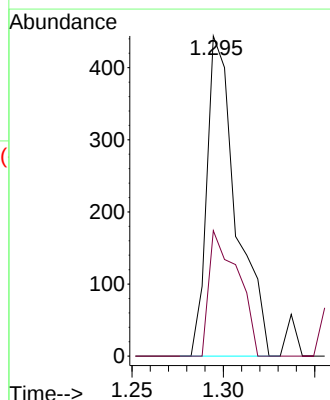
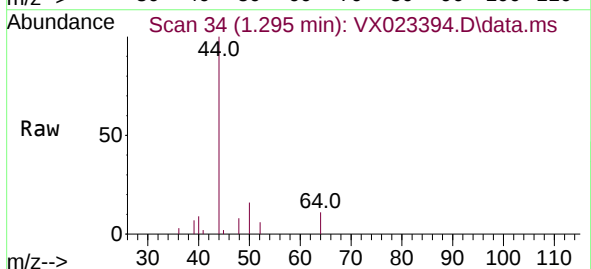
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-2D(OFFSITE)

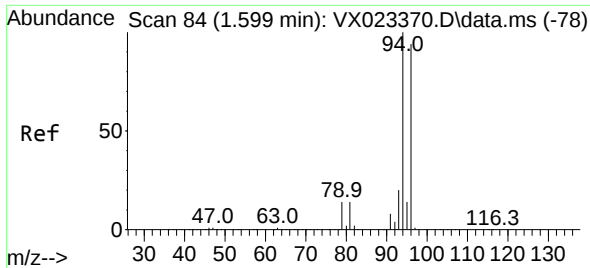
Tgt Ion:168 Resp: 170618
Ion Ratio Lower Upper
168 100
99 53.6 45.8 68.6



#3
Chloromethane
Concen: 0.271 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

Tgt Ion: 50 Resp: 495
Ion Ratio Lower Upper
50 100
52 39.2 26.4 39.6

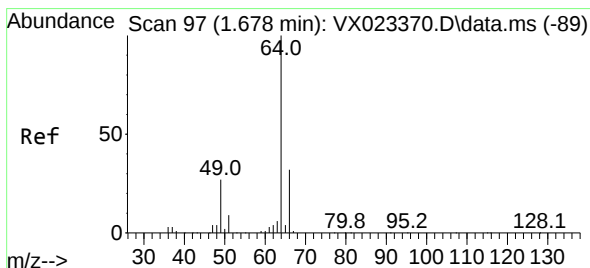
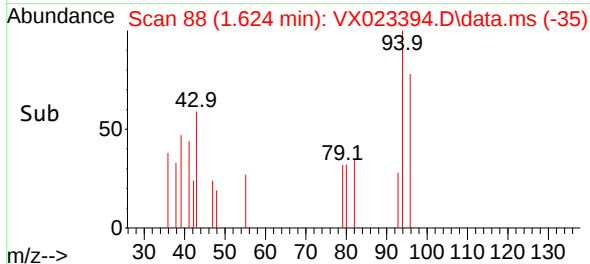
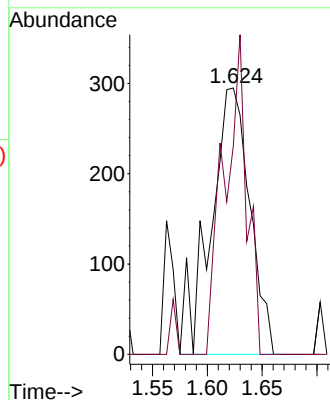
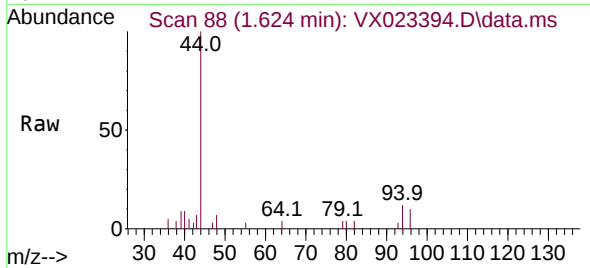




#5
Bromomethane
Concen: 0.672 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

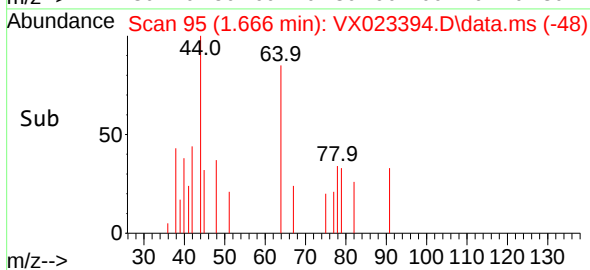
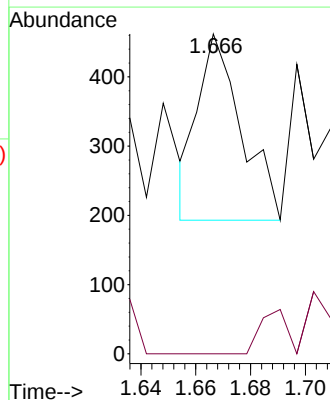
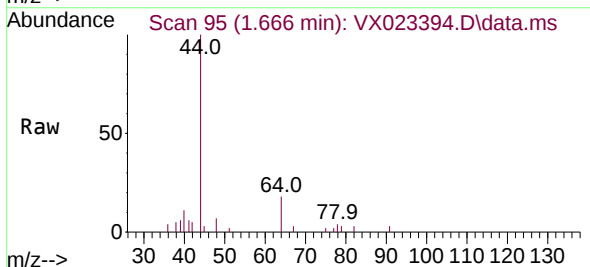
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-2D(OFFSITE)

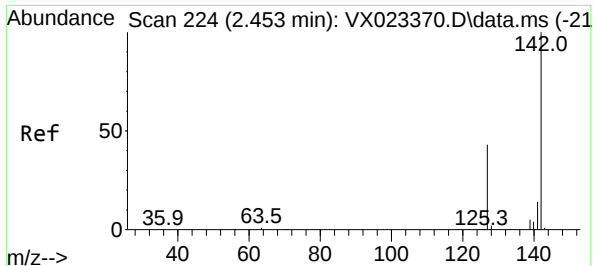
Tgt Ion: 94 Resp: 738
Ion Ratio Lower Upper
94 100
96 78.3 76.4 114.6



#6
Chloroethane
Concen: 0.261 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

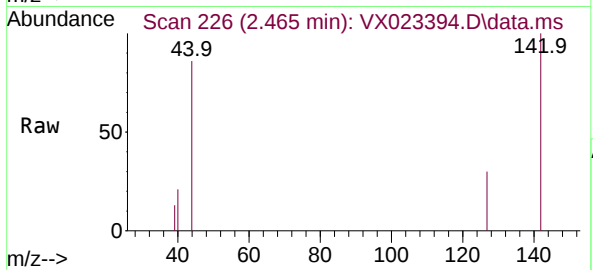
Tgt Ion: 64 Resp: 297
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



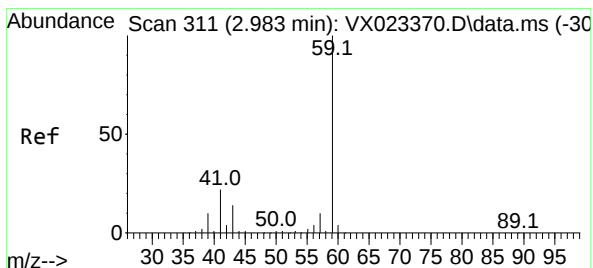
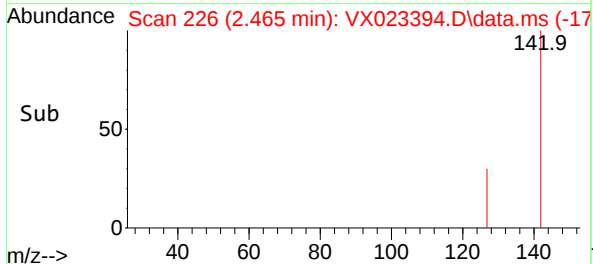
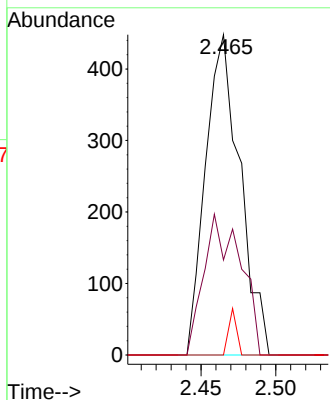


#10
Methyl Iodide
Concen: 0.338 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

Instrument :
MSVOA_X
ClientSampleId :
152140-MW-2D(OFFSITE)

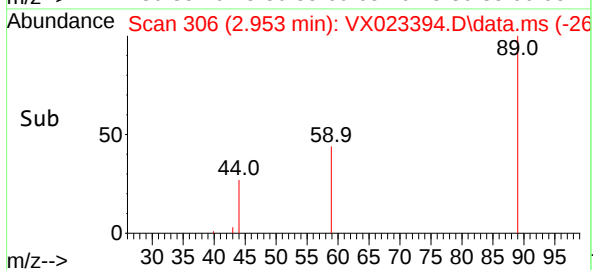
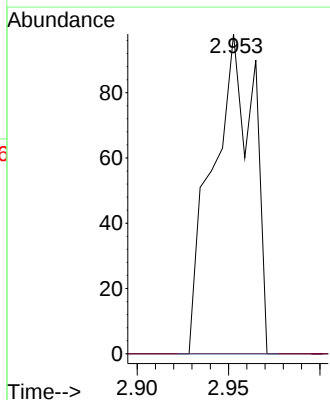
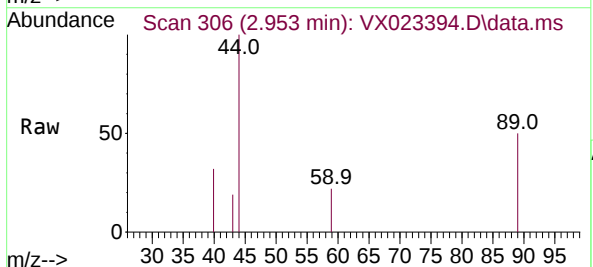


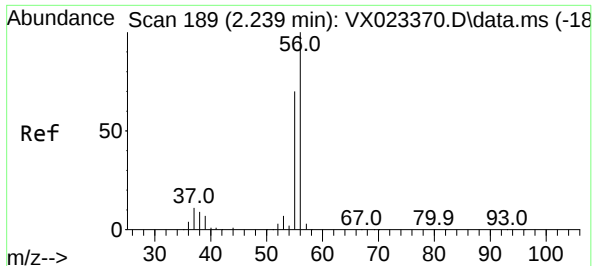
Tgt Ion:142 Resp: 716
Ion Ratio Lower Upper
142 100
127 47.1 33.3 49.9
141 3.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.315 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

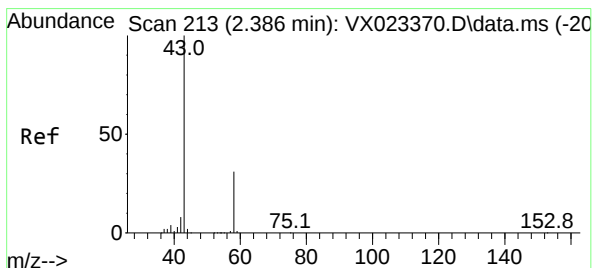
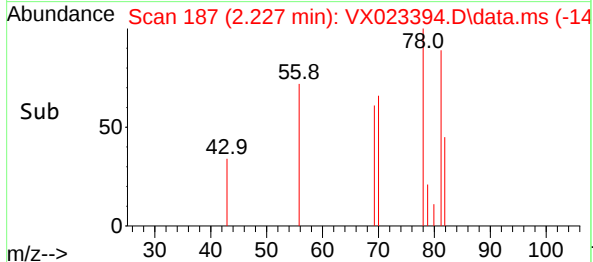
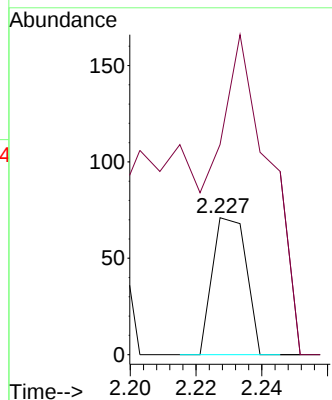
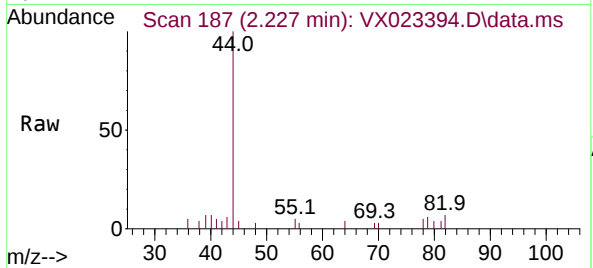




#13
Acrolein
Concen: 1.569 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

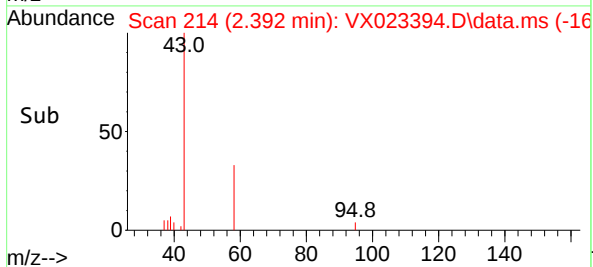
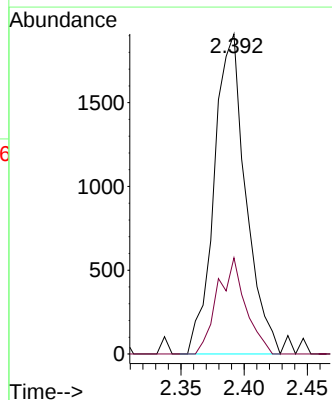
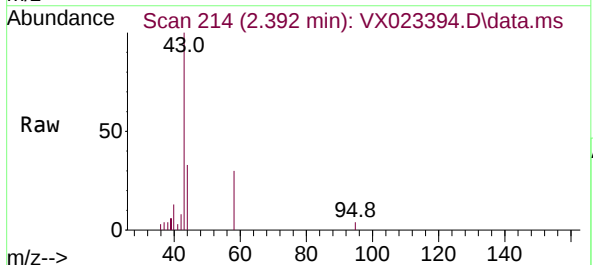
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-2D(OFFSITE)

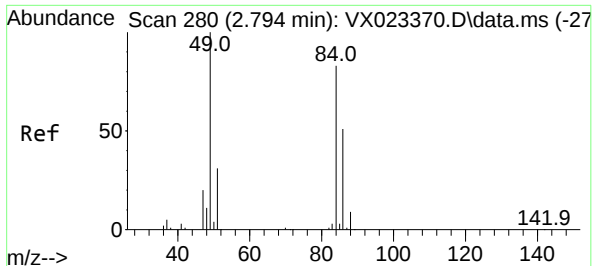
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 341.2 56.4 84.6#



#16
Acetone
Concen: 3.175 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

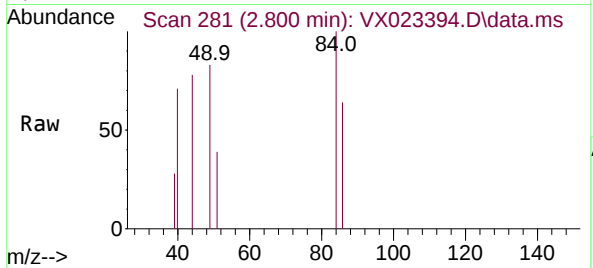
Tgt Ion: 43 Resp: 3315
Ion Ratio Lower Upper
43 100
58 30.1 27.8 41.8



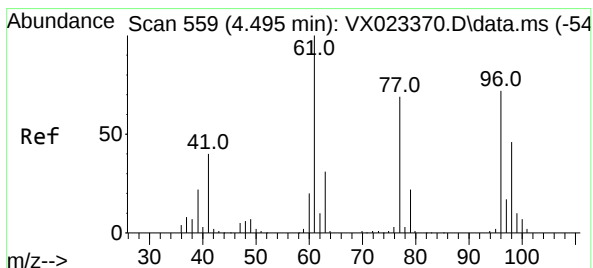
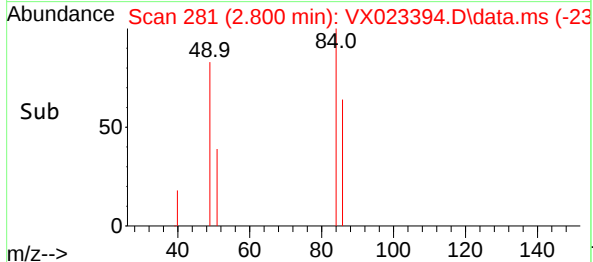
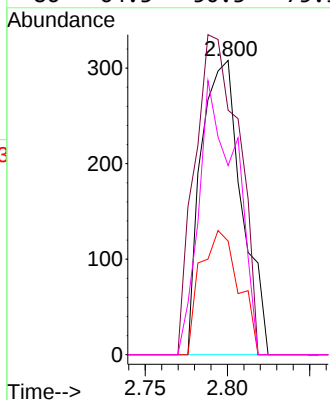


#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

Instrument :
MSVOA_X
ClientSampleId :
152140-MW-2D(OFFSITE)

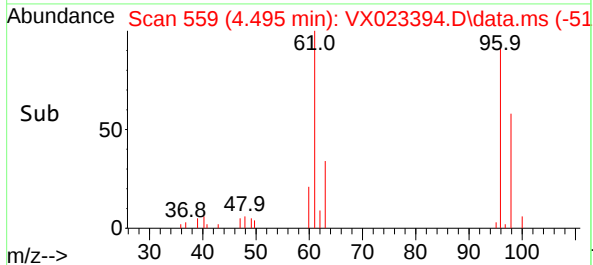
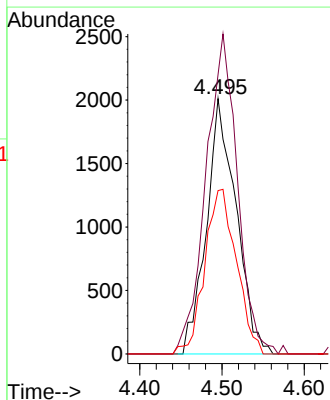
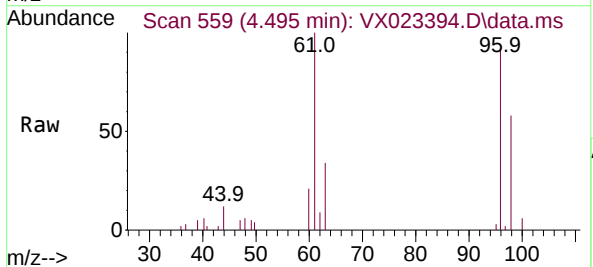


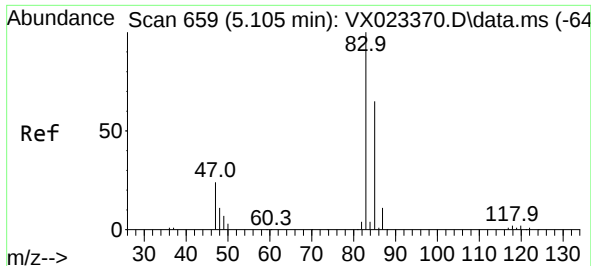
Tgt Ion: 84	Resp: 529
Ion Ratio	Lower Upper
84 100	
49 83.1	88.6 132.8#
51 38.6	27.0 40.6
86 64.3	50.3 75.5



#27
cis-1,2-Dichloroethene
Concen: 2.441 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

Tgt Ion: 96	Resp: 5049
Ion Ratio	Lower Upper
96 100	
61 132.8	0.0 285.6
98 68.9	0.0 129.6





#30

Chloroform

Concen: 0.261 ug/l

RT: 5.117 min Scan# 661

Delta R.T. 0.012 min

Lab File: VX023394.D

Acq: 23 Jul 2021 00:06

Tgt Ion: 83 Resp: 882

Ion Ratio Lower Upper

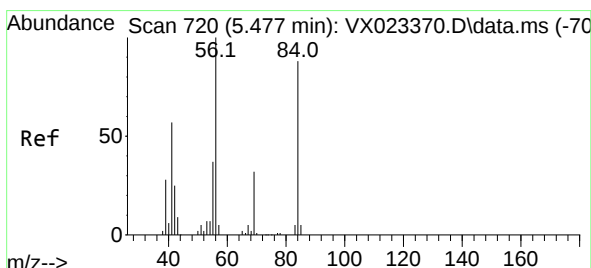
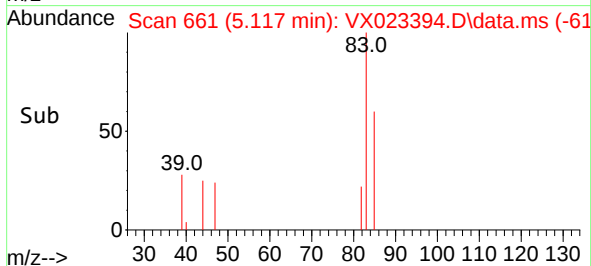
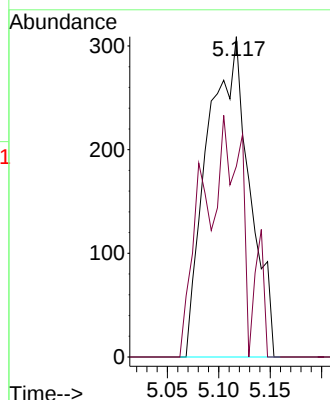
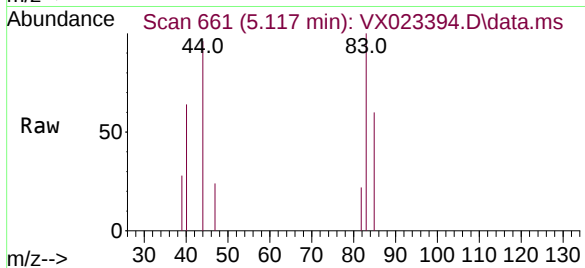
Ion	Ratio	Lower	Upper
83	100		
85	59.5	52.0	78.0

Instrument :

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#31

Cyclohexane

Concen: 1.192 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

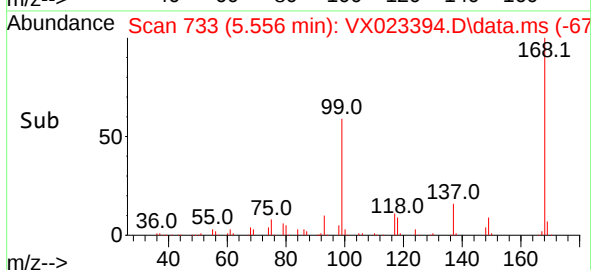
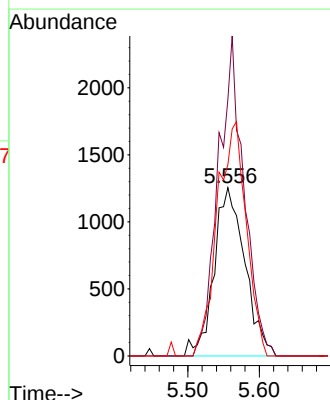
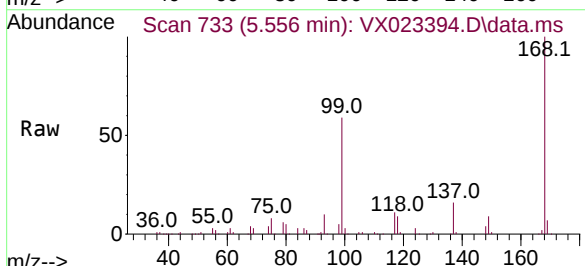
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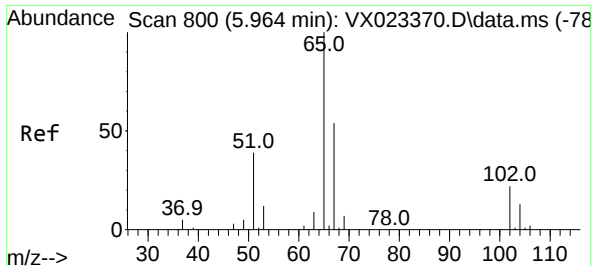
Acq: 23 Jul 2021 00:06

Tgt Ion: 56 Resp: 3757

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
56	100		
69	152.5	25.3	37.9#
84	113.7	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 52.030 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023394.D

Acq: 23 Jul 2021 00:06

Tgt Ion: 65 Resp: 110735

Ion Ratio Lower Upper

65 100

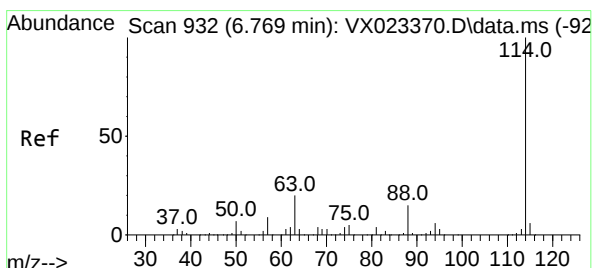
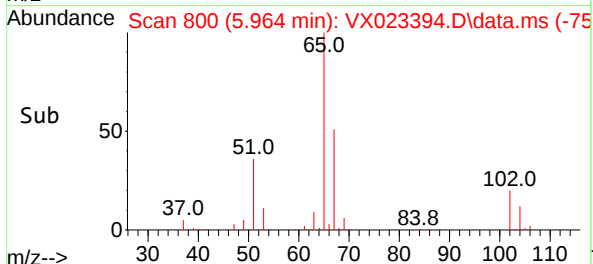
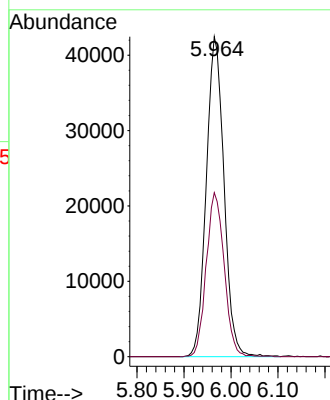
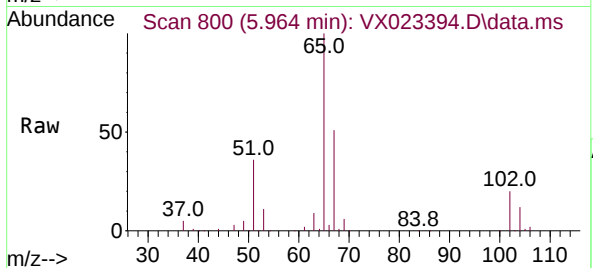
67 52.0 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

152140-MW-2D(OFFSITE)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX023394.D

Acq: 23 Jul 2021 00:06

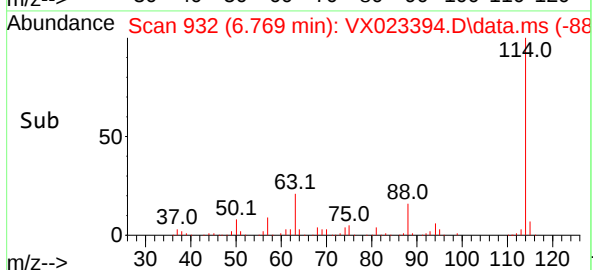
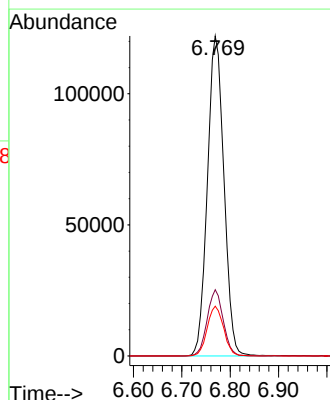
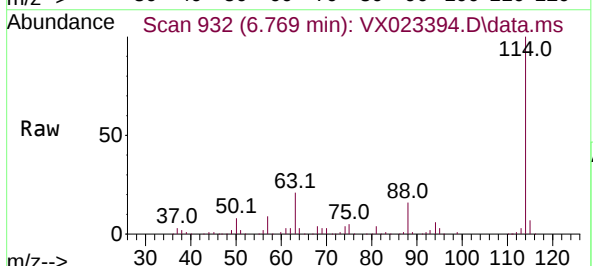
Tgt Ion: 114 Resp: 289822

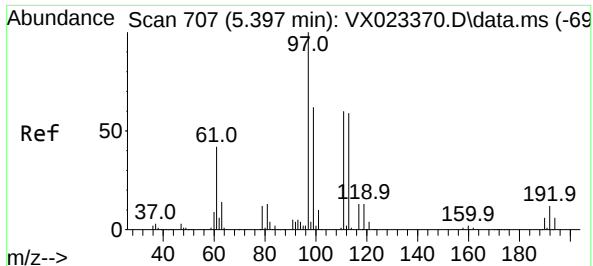
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.6 0.0 32.8

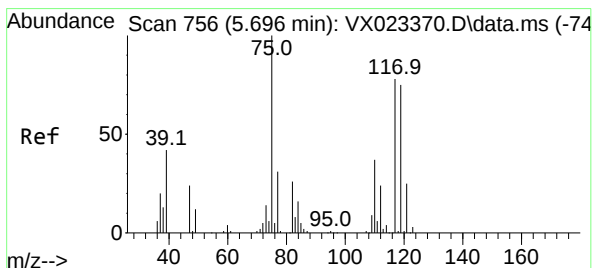
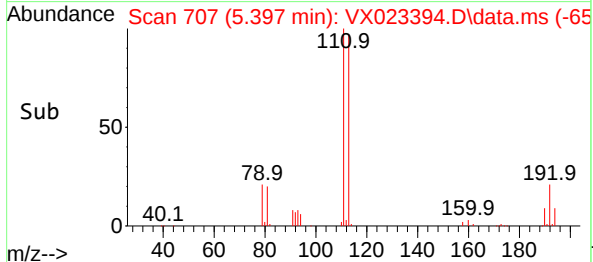
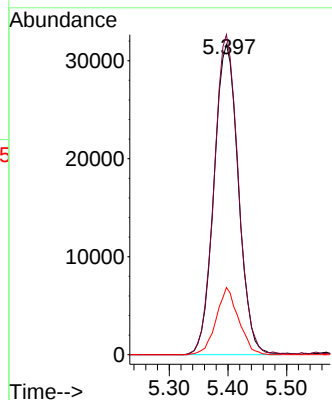
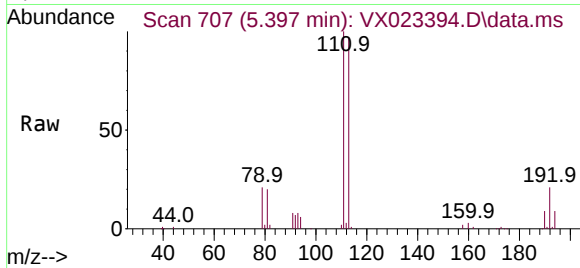




#35
Dibromofluoromethane
Concen: 50.469 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

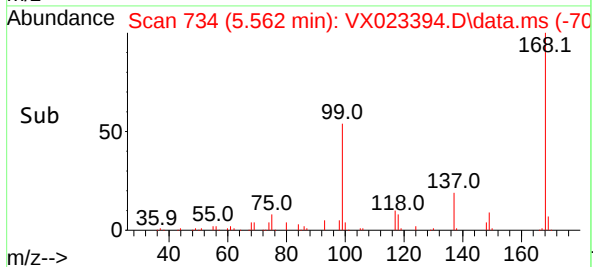
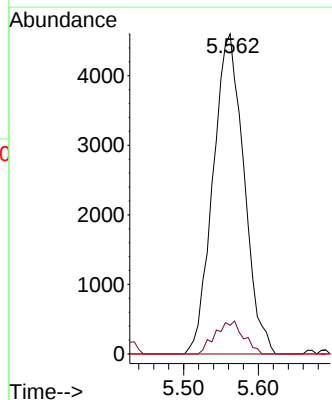
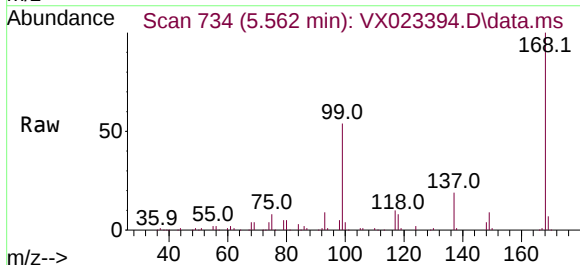
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-2D(OFFSITE)

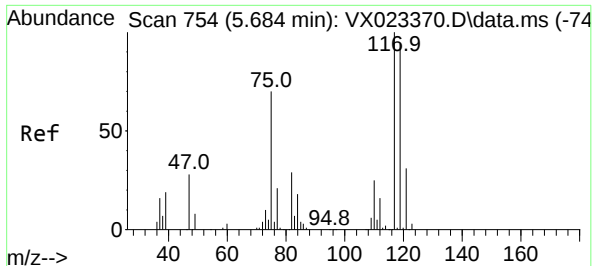
Tgt Ion:	113	Resp:	91455
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	19.9	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.039 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

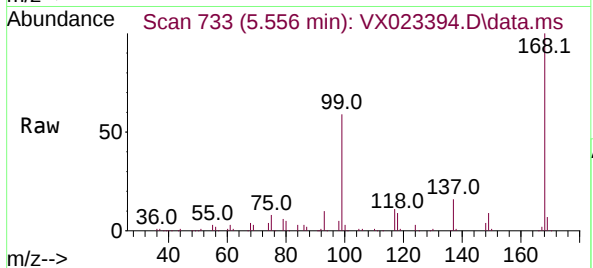
Tgt Ion:	75	Resp:	13211
Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.4#
77	0.0	25.3	37.9#



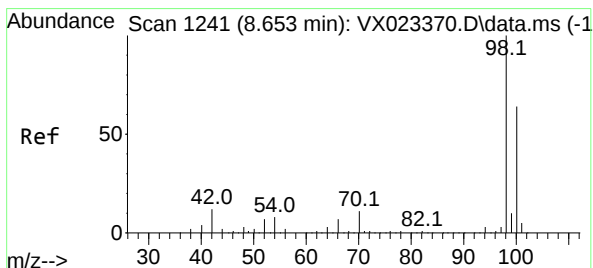
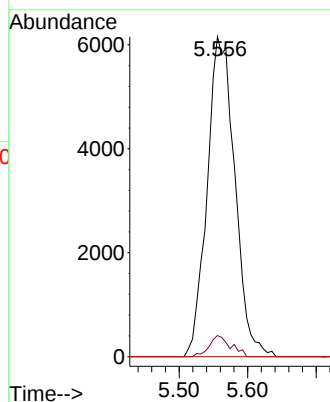
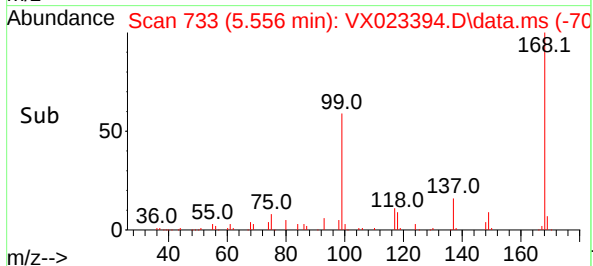


#38
Carbon Tetrachloride
Concen: 6.483 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

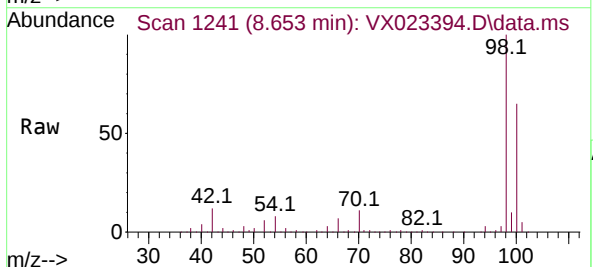
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-2D(OFFSITE)



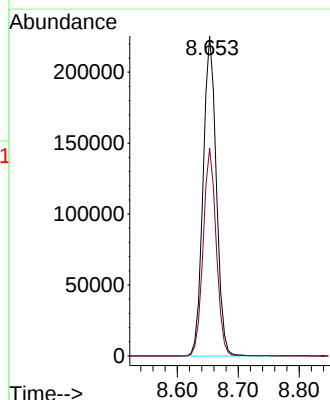
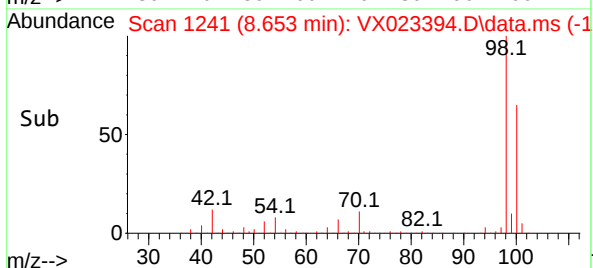
Tgt Ion:117 Resp: 17286
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#

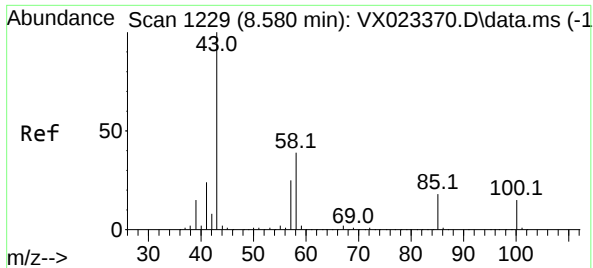


#50
Toluene-d8
Concen: 51.088 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06



Tgt Ion: 98 Resp: 340125
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

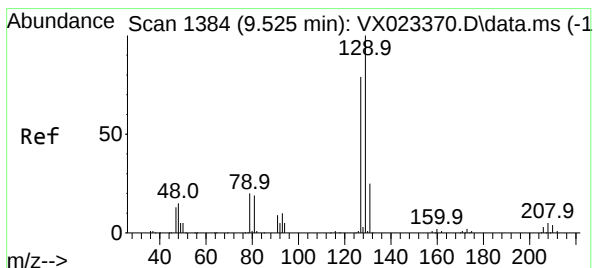
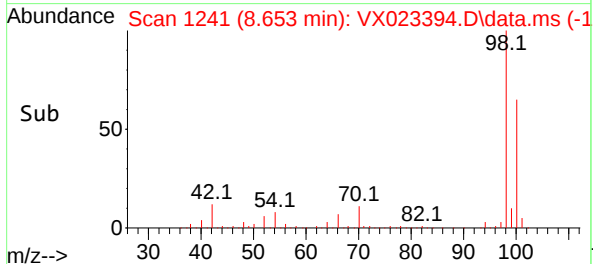
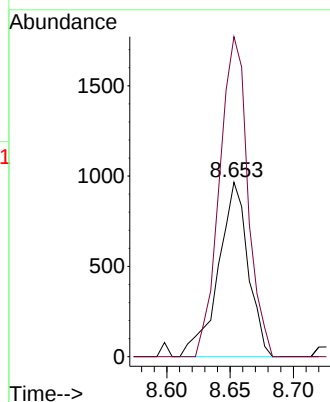
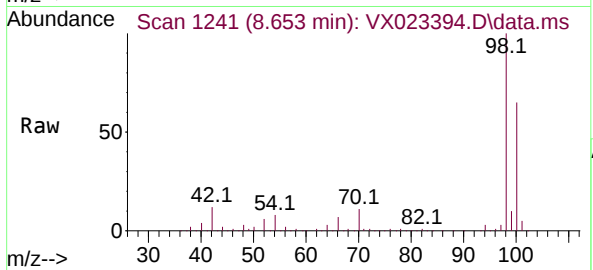




#51
4-Methyl-2-Pentanone
Concen: 0.504 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

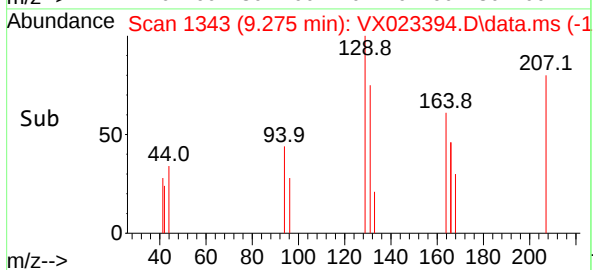
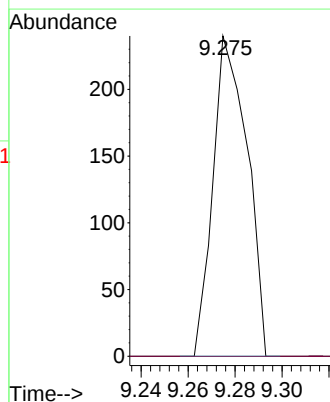
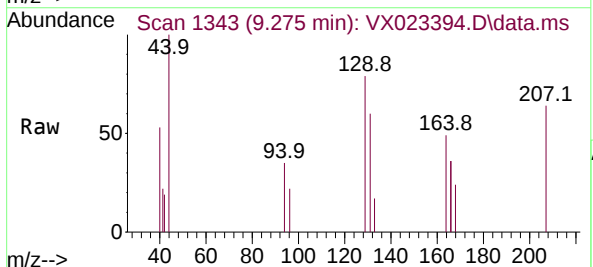
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-2D(OFFSITE)

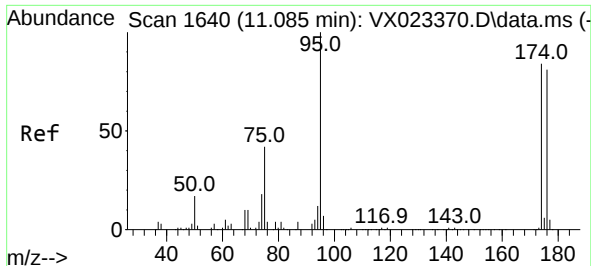
Tgt Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
58 174.9 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.091 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

Tgt Ion: 129 Resp: 242
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

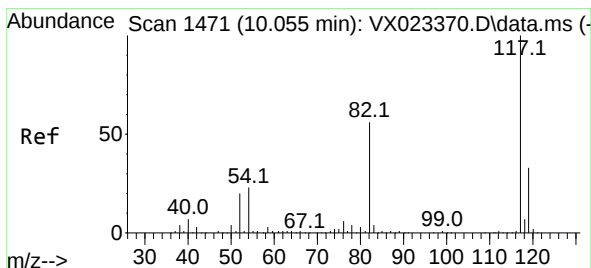
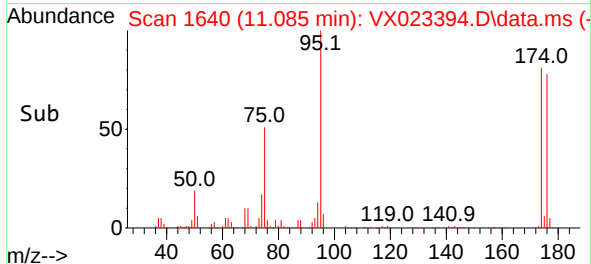
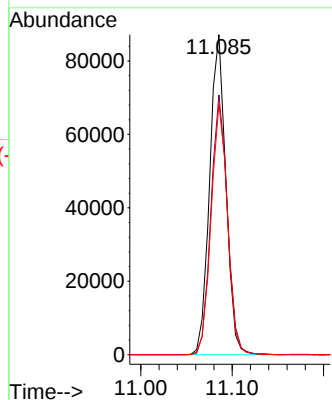
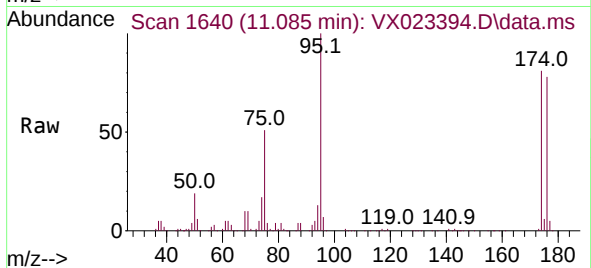




#62
4-Bromofluorobenzene
Concen: 47.356 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

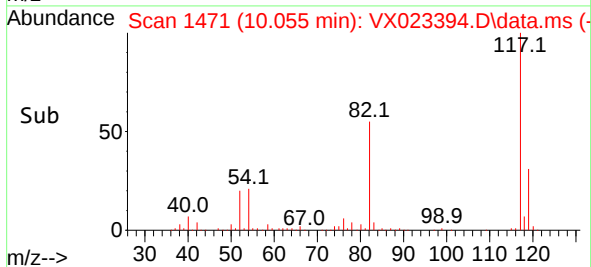
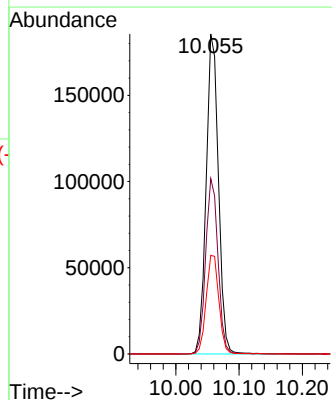
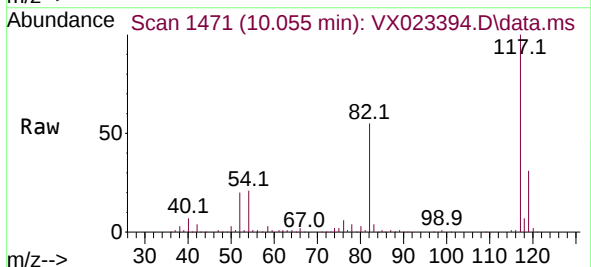
Instrument :
MSVOA_X
ClientSampleId :
152140-MW-2D(OFFSITE)

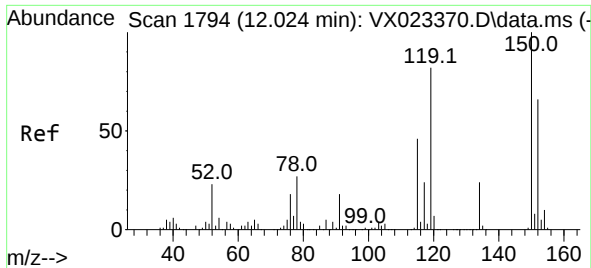
Tgt Ion: 95 Resp: 107208
Ion Ratio Lower Upper
95 100
174 82.5 0.0 154.6
176 79.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023394.D
Acq: 23 Jul 2021 00:06

Tgt Ion: 117 Resp: 250498
Ion Ratio Lower Upper
117 100
82 54.8 47.4 71.2
119 30.8 26.6 39.8

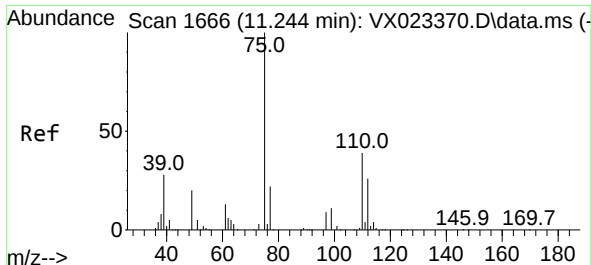
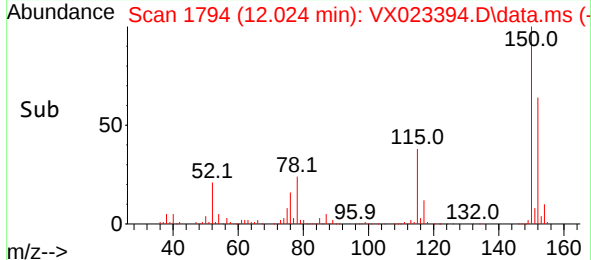
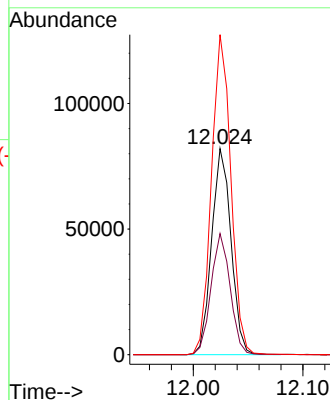
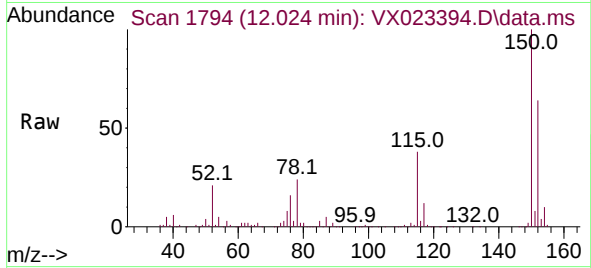




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023394.D
 Acq: 23 Jul 2021 00:06

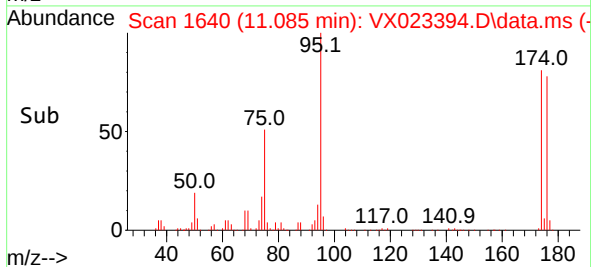
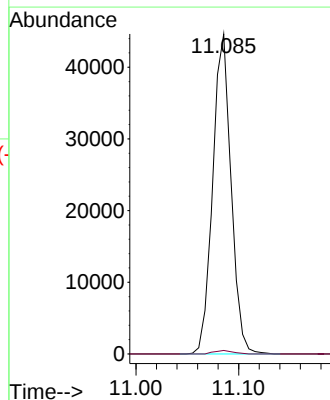
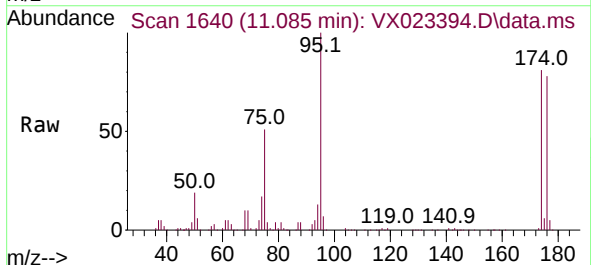
Instrument :
 MSVOA_X
 ClientSampleId :
 152140-MW-2D(OFFSITE)

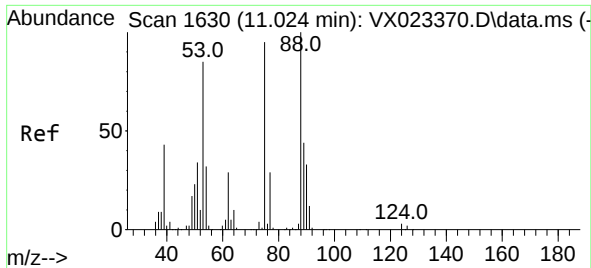
Tgt Ion:152 Resp: 100683
 Ion Ratio Lower Upper
 152 100
 115 58.1 41.1 123.3
 150 155.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.011 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023394.D
 Acq: 23 Jul 2021 00:06

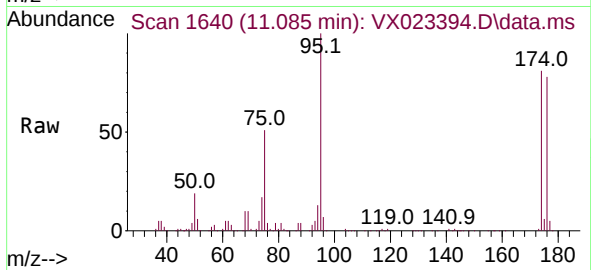
Tgt Ion: 75 Resp: 55414
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.251 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023394.D
 Acq: 23 Jul 2021 00:06

Instrument :
 MSVOA_X
 ClientSampleId :
 152140-MW-2D(OFFSITE)



Tgt Ion: 75 Resp: 55414
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

