

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080621\
 Data File : VX023590.D
 Acq On : 06 Aug 2021 12:47
 Operator : JC/MD
 Sample : M3298-04 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 07 04:43:08 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)

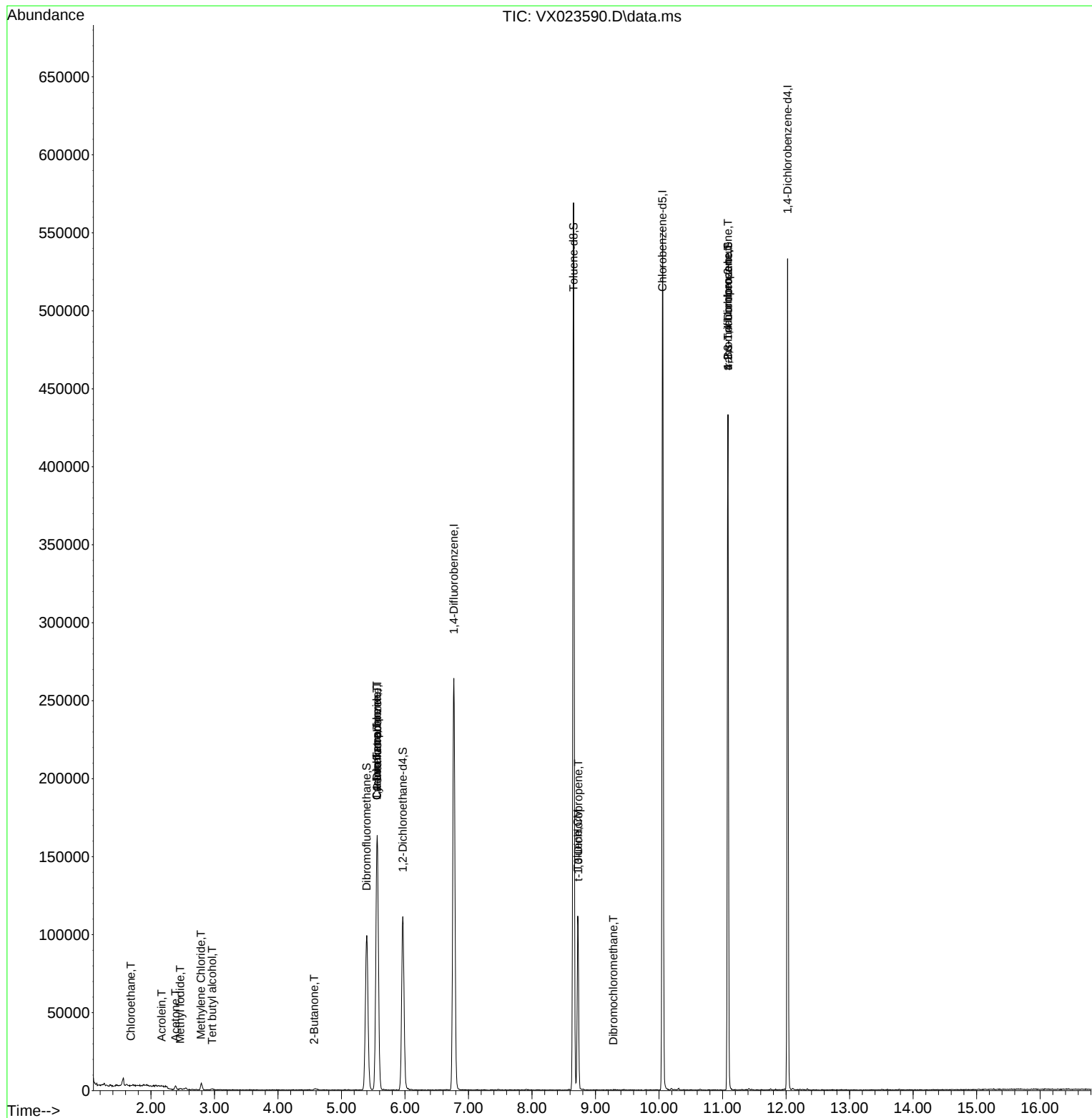
Internal Standards						
1) Pentafluorobenzene	5.562	168	156336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	268539	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107613	55.182	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.360%			
35) Dibromofluoromethane	5.397	113	85910	51.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.340%			
50) Toluene-d8	8.653	98	328290	53.218	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.440%			
62) 4-Bromofluorobenzene	11.085	95	110620	52.736	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.480%			
Target Compounds						Qvalue
6) Chloroethane	1.685	64	468	0.450	ug/l #	43
10) Methyl Iodide	2.459	142	1006	0.519	ug/l #	86
11) Tert butyl alcohol	2.965	59	623	1.398	ug/l #	73
13) Acrolein	2.166	56	47	1.570	ug/l #	1
16) Acetone	2.386	43	2551	2.667	ug/l	90
20) Methylene Chloride	2.788	84	1998	1.074	ug/l	89
25) 2-Butanone	4.568	43	347	0.234	ug/l #	45
31) Cyclohexane	5.556	56	3453	1.195	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11709	4.820	ug/l #	51
38) Carbon Tetrachloride	5.556	117	15874	6.426	ug/l #	15
52) Toluene	8.720	92	40958	9.179	ug/l	97
53) t-1,3-Dichloropropene	8.726	75	500	1.980	ug/l #	1
60) Dibromochloromethane	9.281	129	36	2.000	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	59026	26.425	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59026	71.054	ug/l #	12

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

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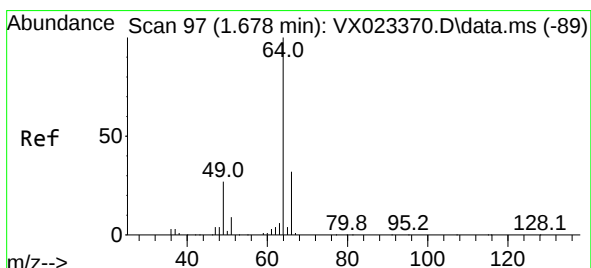
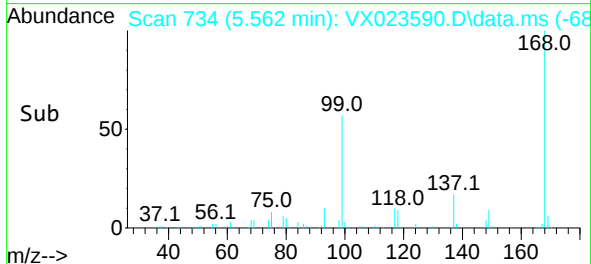
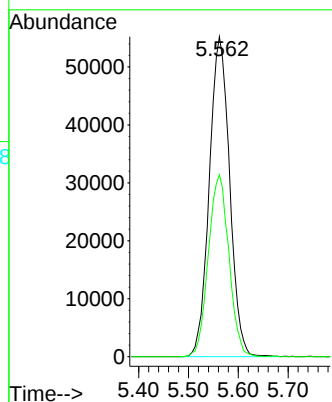
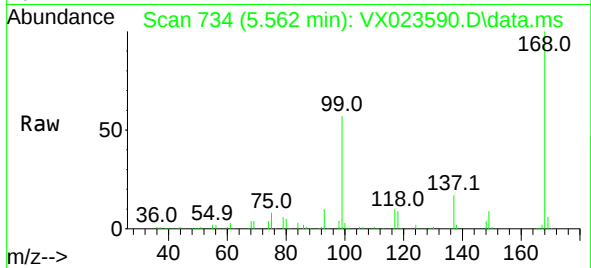




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

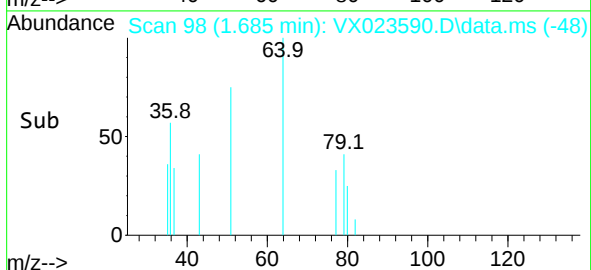
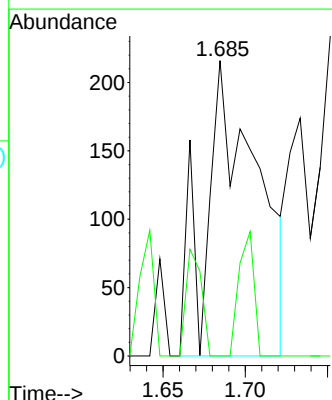
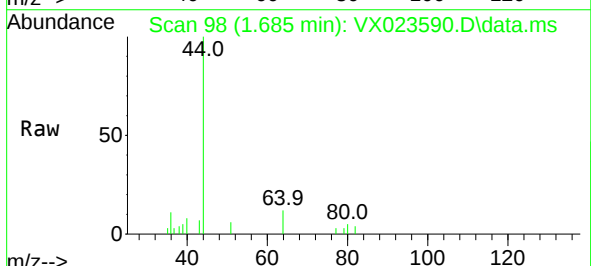
Instrument :
MSVOA_X
ClientSampled :

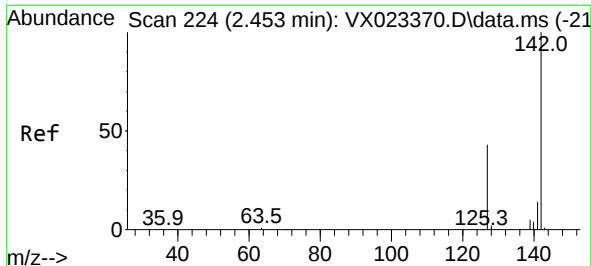
Tgt Ion:168 Resp: 156336
Ion Ratio Lower Upper
168 100
99 56.9 45.8 68.6



#6
Chloroethane
Concen: 0.450 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

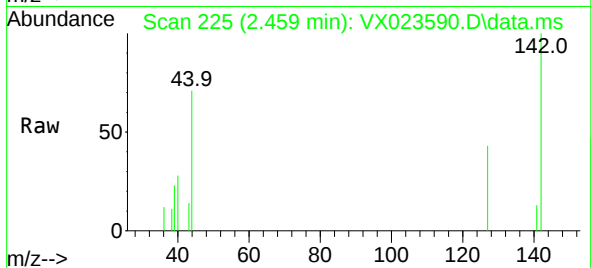
Tgt Ion: 64 Resp: 468
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



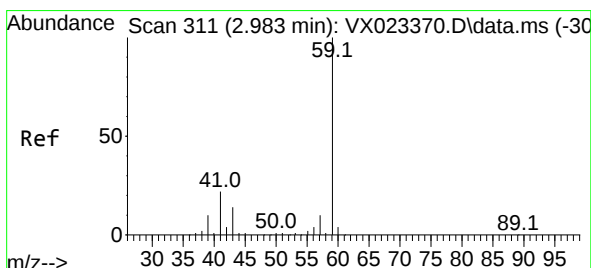
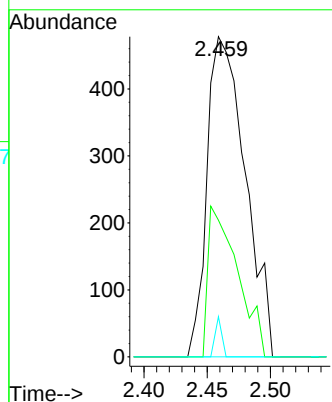
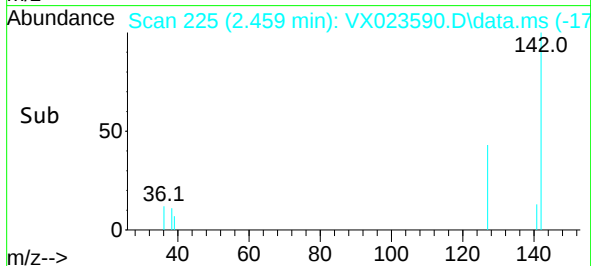


#10
Methyl Iodide
Concen: 0.519 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

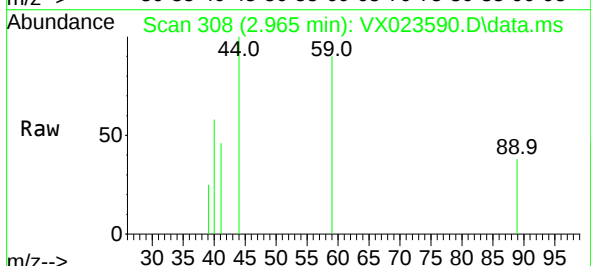
Instrument :
MSVOA_X
ClientSampleId :



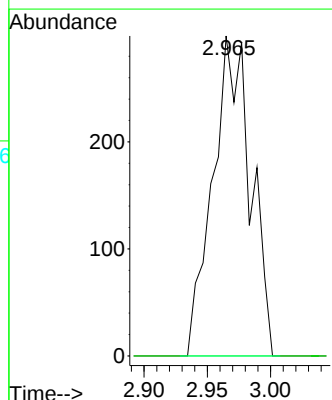
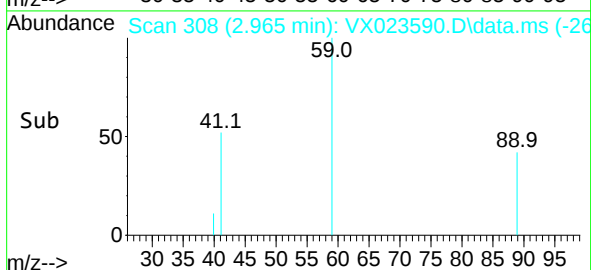
Tgt Ion:142 Resp: 1006
Ion Ratio Lower Upper
142 100
127 36.4 33.3 49.9
141 2.2 11.4 17.0#

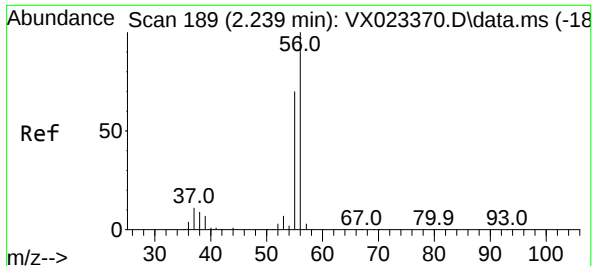


#11
Tert butyl alcohol
Concen: 1.398 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47



Tgt Ion: 59 Resp: 623
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

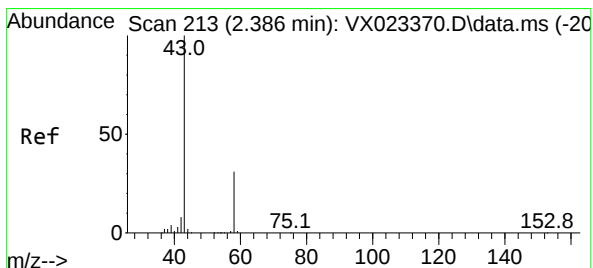
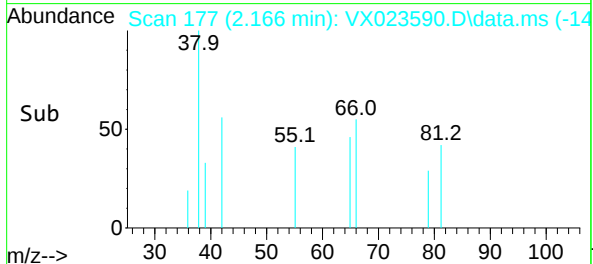
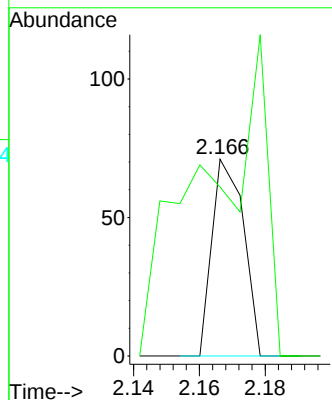
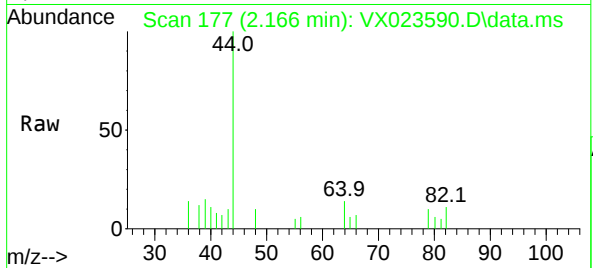




#13
Acrolein
Concen: 1.570 ug/l
RT: 2.166 min Scan# 177
Delta R.T. -0.073 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

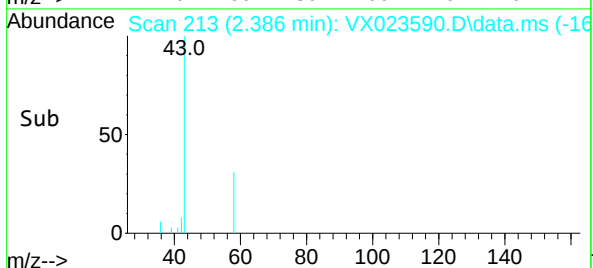
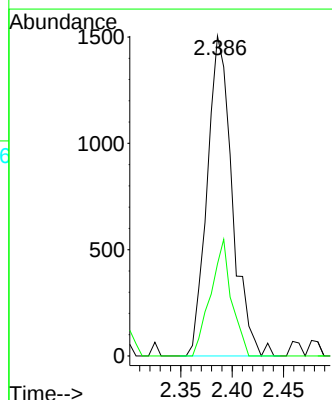
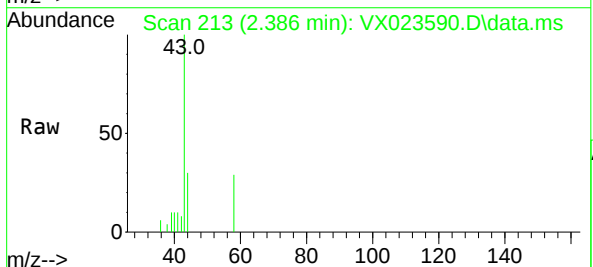
Instrument :
MSVOA_X
ClientSampleId :

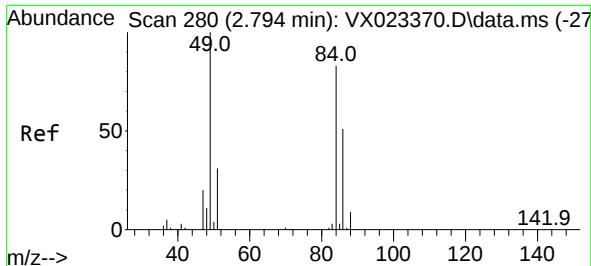
Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 319.1 56.4 84.6#



#16
Acetone
Concen: 2.667 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

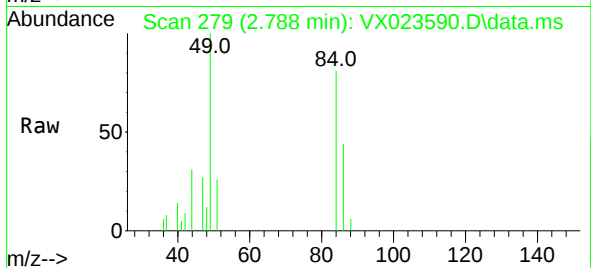
Tgt Ion: 43 Resp: 2551
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8



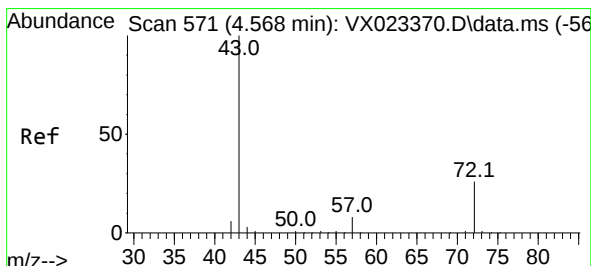
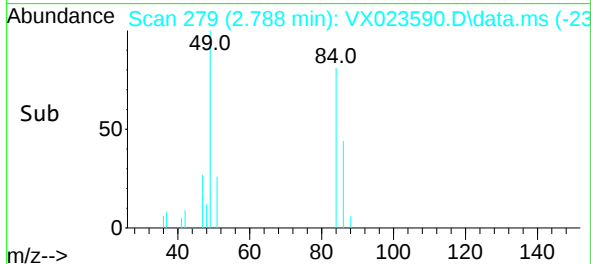
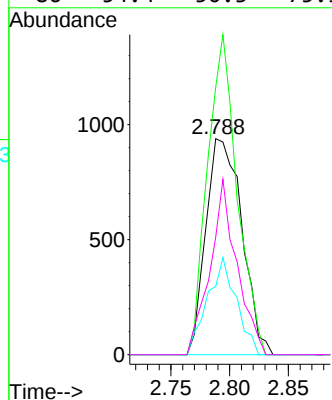


#20
Methylene Chloride
Concen: 1.074 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

Instrument :
MSVOA_X
ClientSampled :

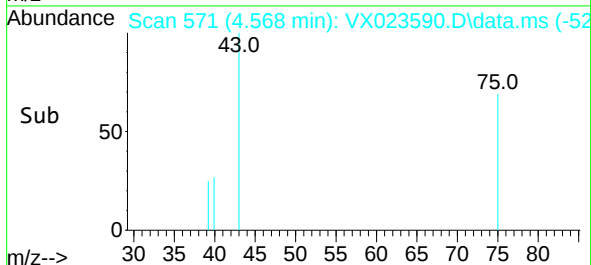
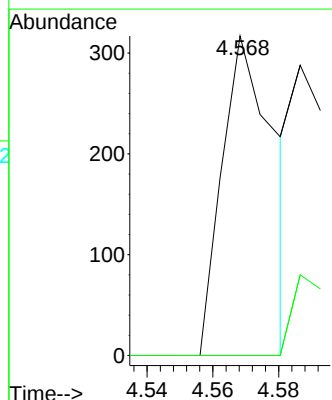
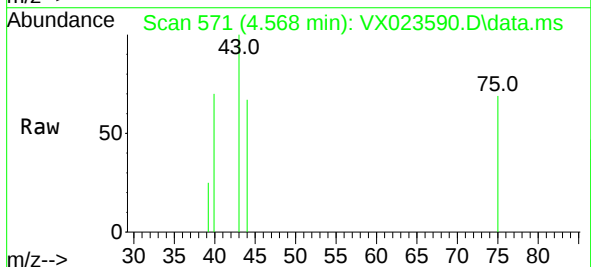


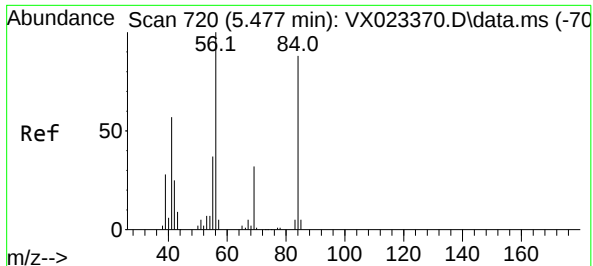
Tgt Ion:	84	Resp:	1998
Ion	Ratio	Lower	Upper
84	100		
49	123.9	88.6	132.8
51	31.6	27.0	40.6
86	54.4	50.3	75.5



#25
2-Butanone
Concen: 0.234 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

Tgt Ion:	43	Resp:	347
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#

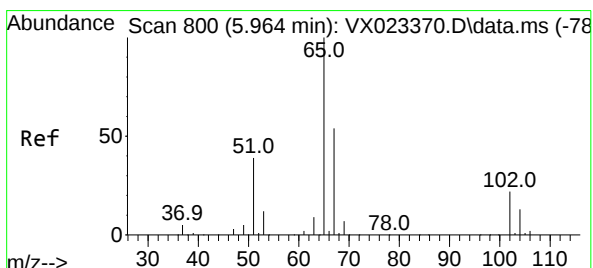
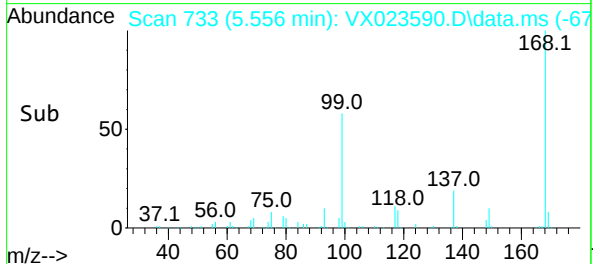
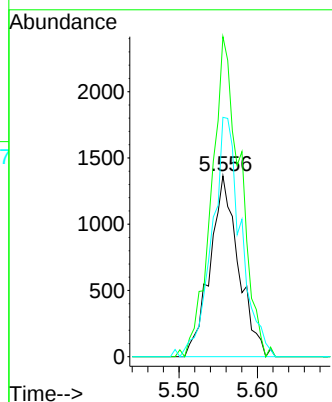
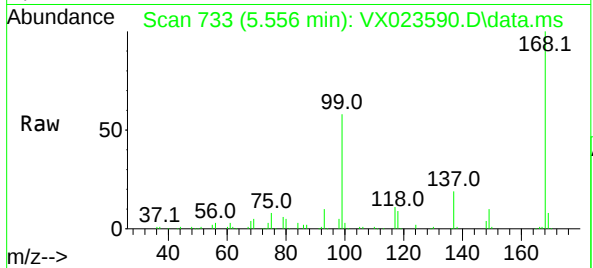




#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

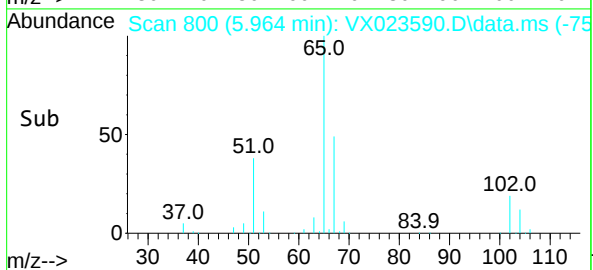
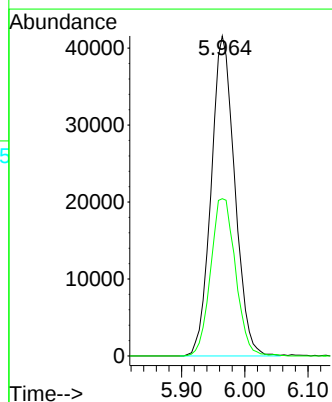
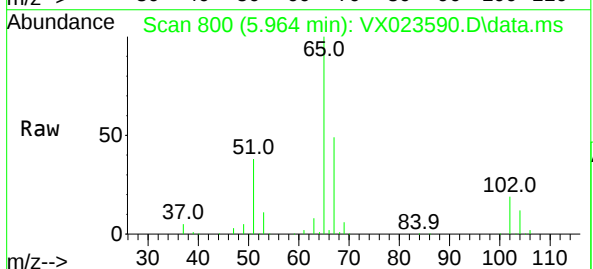
Instrument :
MSVOA_X
ClientSampleId :

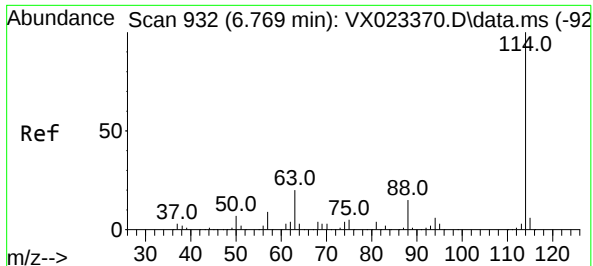
Tgt Ion: 56 Resp: 3453
Ion Ratio Lower Upper
56 100
69 176.9 25.3 37.9#
84 132.4 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 55.182 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

Tgt Ion: 65 Resp: 107613
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4

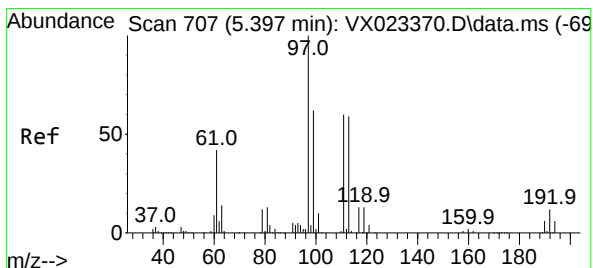
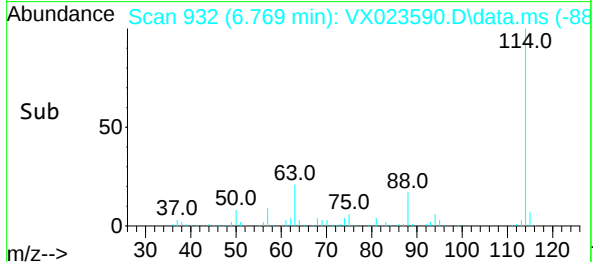
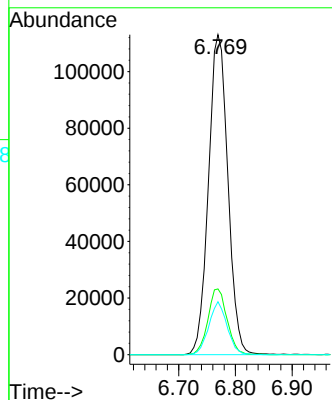
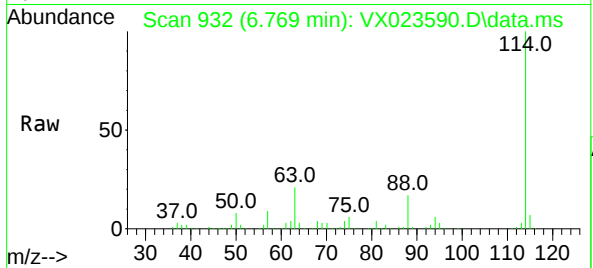




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

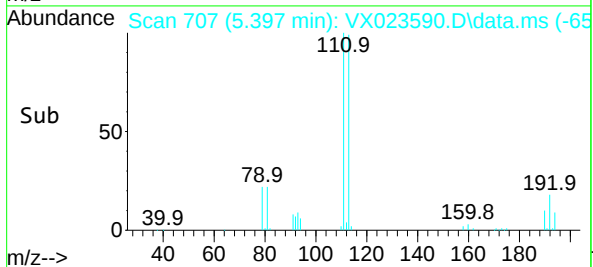
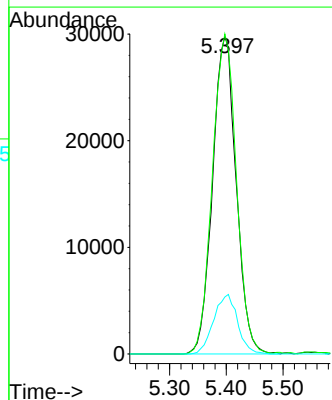
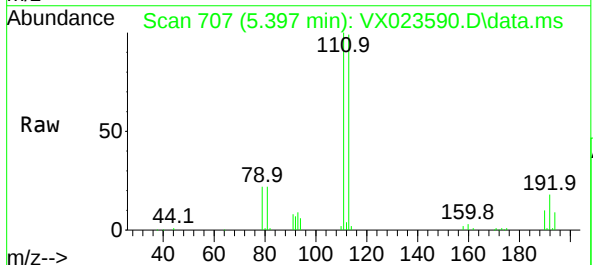
Instrument :
MSVOA_X
ClientSampled :

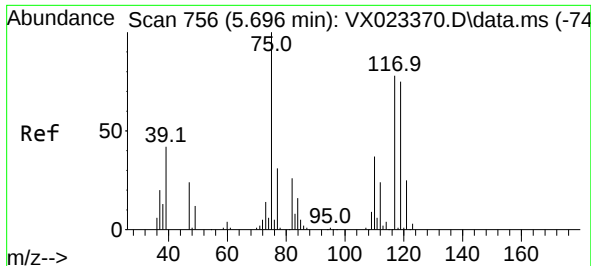
Tgt Ion:114 Resp: 268539
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.167 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

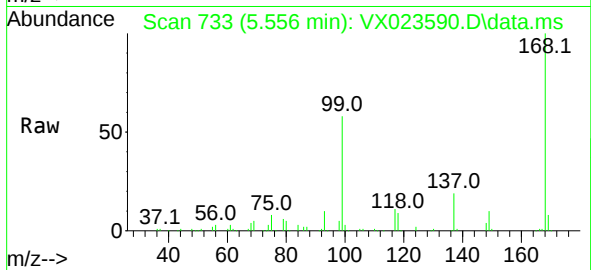
Tgt Ion:113 Resp: 85910
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 19.0 16.7 25.1



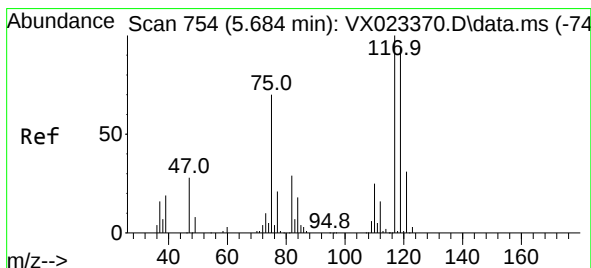
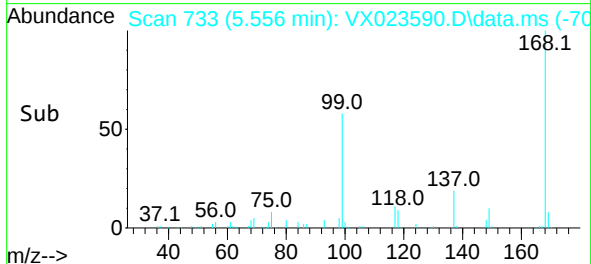
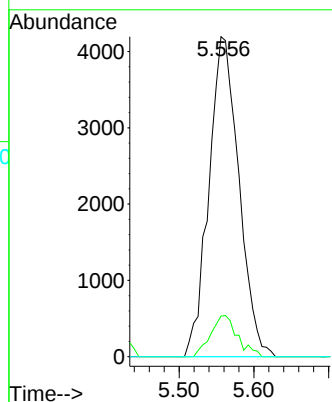


#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

Instrument :
MSVOA_X
ClientSampleId :

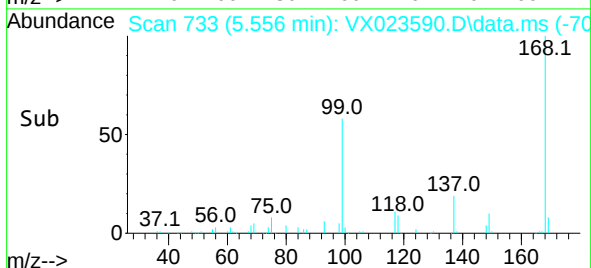
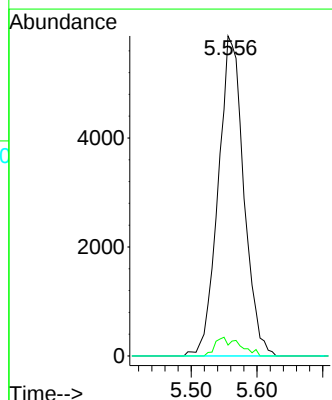
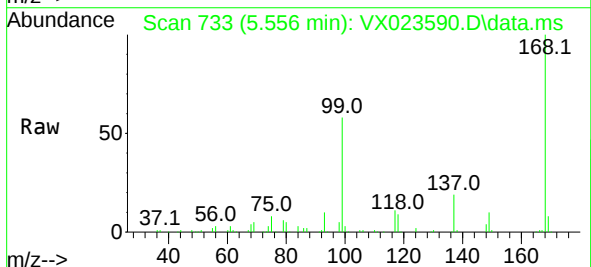


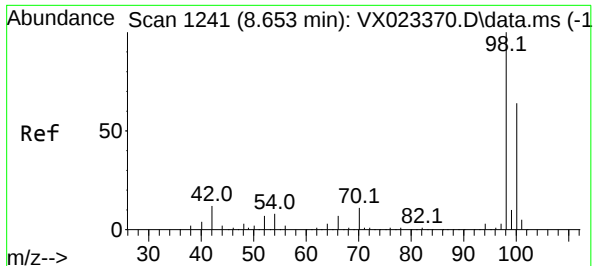
Tgt Ion: 75 Resp: 11709
Ion Ratio Lower Upper
75 100
110 11.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.426 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

Tgt Ion: 117 Resp: 15874
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 53.218 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023590.D

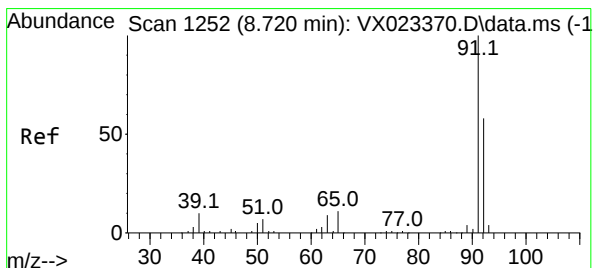
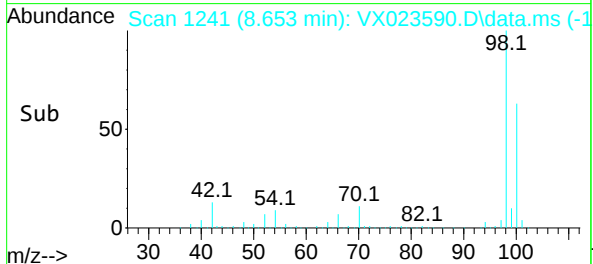
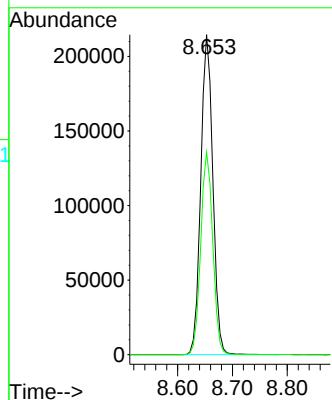
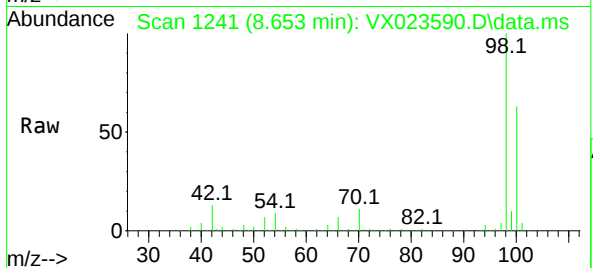
Acq: 06 Aug 2021 12:47

Tgt Ion: 98 Resp: 328290

Ion Ratio Lower Upper

98 100

100 63.1 51.9 77.9



#52

Toluene

Concen: 9.179 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX023590.D

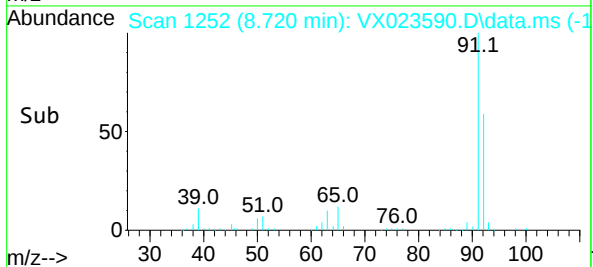
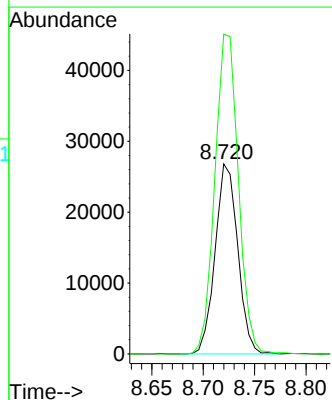
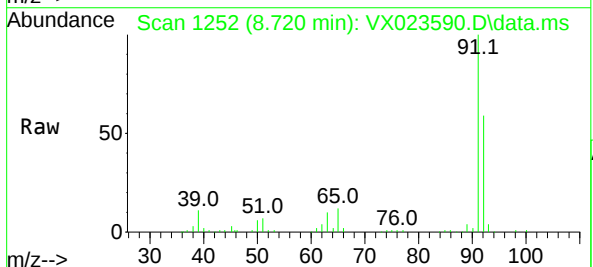
Acq: 06 Aug 2021 12:47

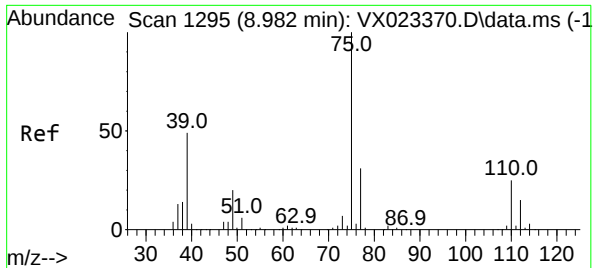
Tgt Ion: 92 Resp: 40958

Ion Ratio Lower Upper

92 100

91 175.4 137.1 205.7

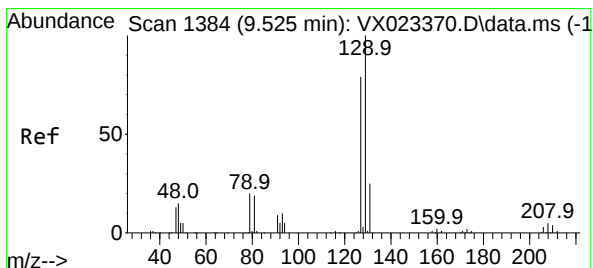
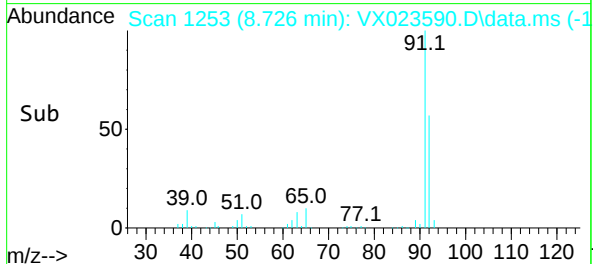
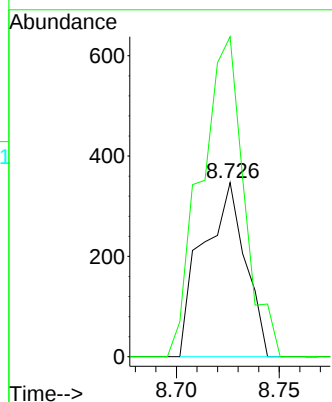
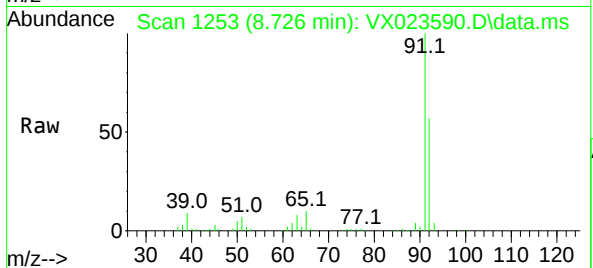




#53
t-1,3-Dichloropropene
Concen: 1.980 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.256 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

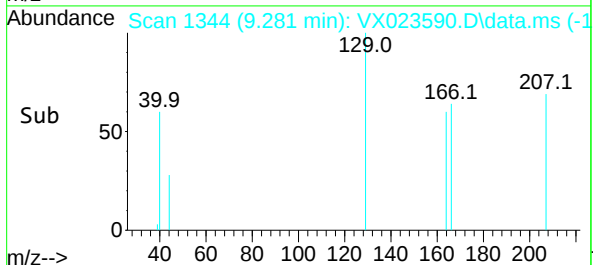
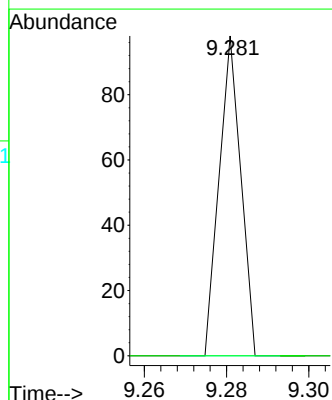
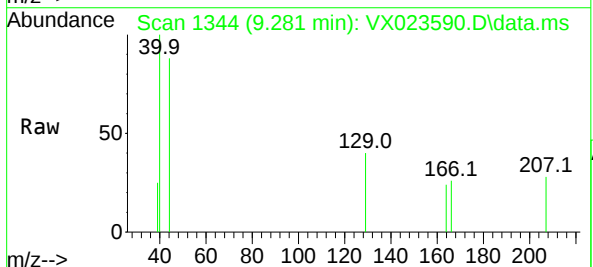
Instrument :
MSVOA_X
ClientSampleId :

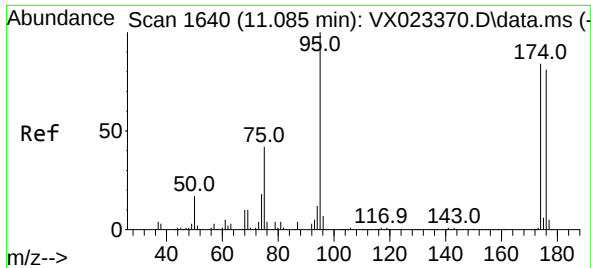
Tgt Ion: 75 Resp: 500
Ion Ratio Lower Upper
75 100
77 183.9 24.9 37.3#



#60
Dibromochloromethane
Concen: 2.000 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

Tgt Ion: 129 Resp: 36
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

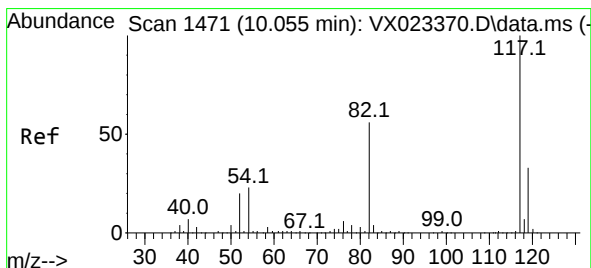
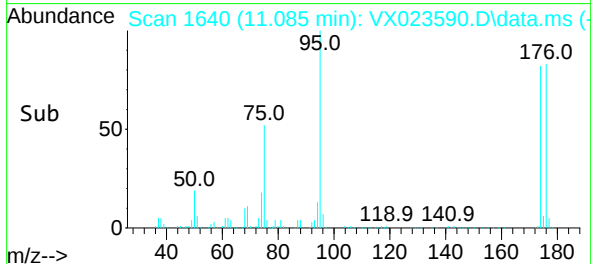
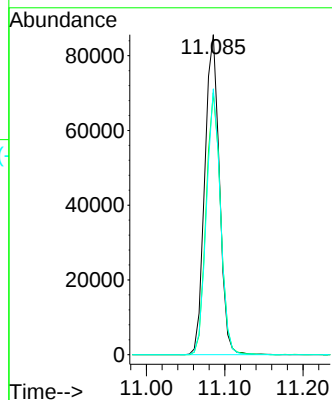
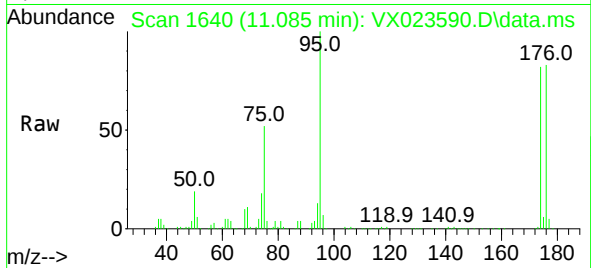




#62
4-Bromofluorobenzene
Concen: 52.736 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

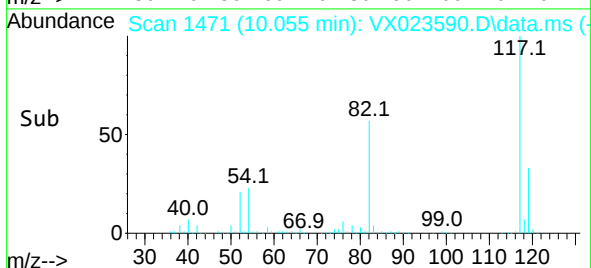
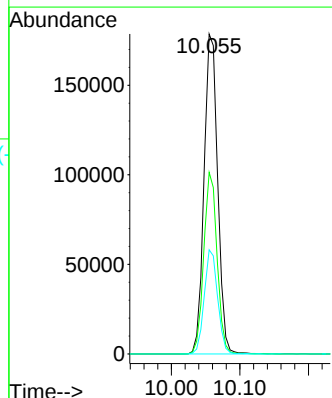
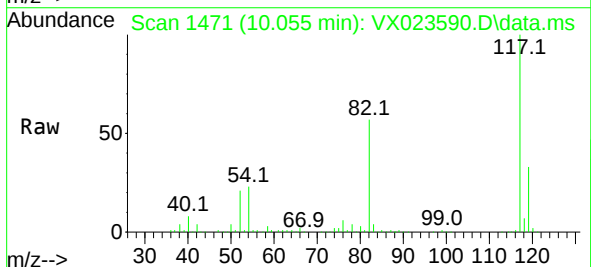
Instrument :
MSVOA_X
ClientSampleId :

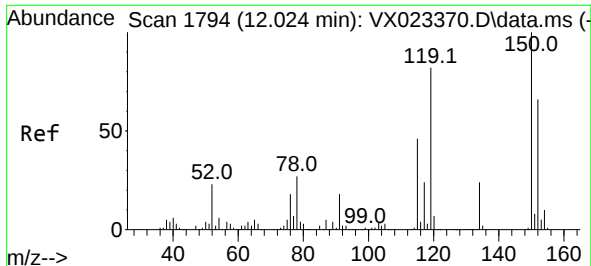
Tgt Ion: 95 Resp: 110620
Ion Ratio Lower Upper
95 100
174 80.7 0.0 154.6
176 79.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023590.D
Acq: 06 Aug 2021 12:47

Tgt Ion: 117 Resp: 247731
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 32.6 26.6 39.8

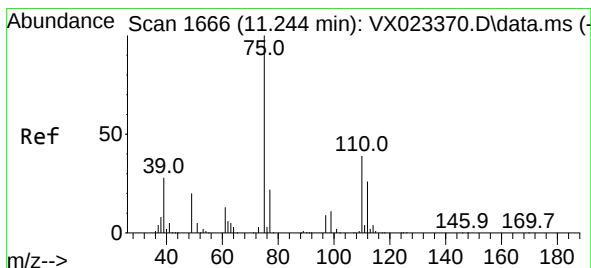
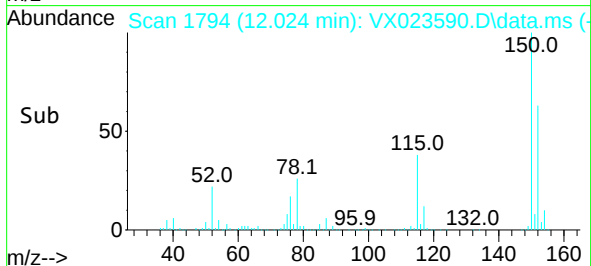
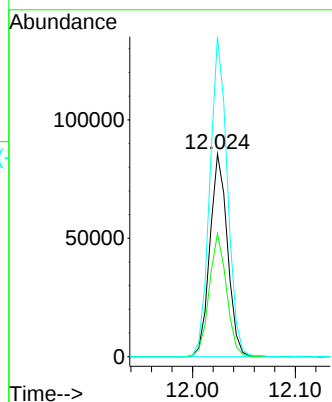
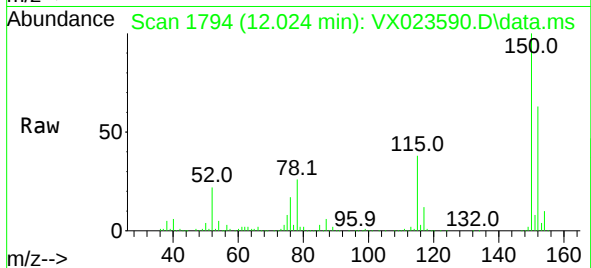




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023590.D
 Acq: 06 Aug 2021 12:47

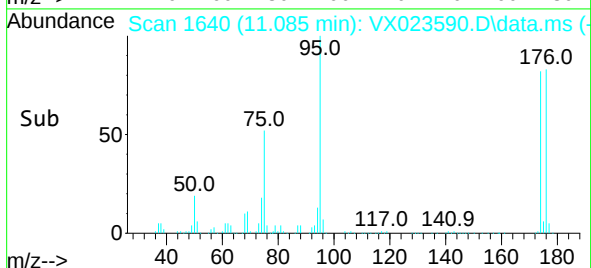
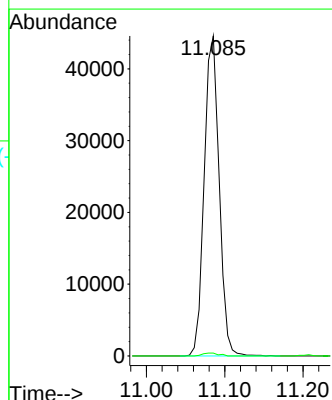
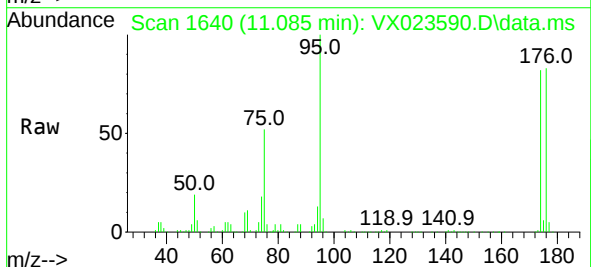
Instrument :
 MSVOA_X
 ClientSampled :

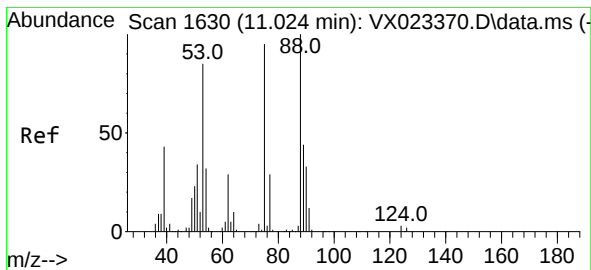
Tgt Ion:152 Resp: 101506
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.1 123.3
 150 157.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.425 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023590.D
 Acq: 06 Aug 2021 12:47

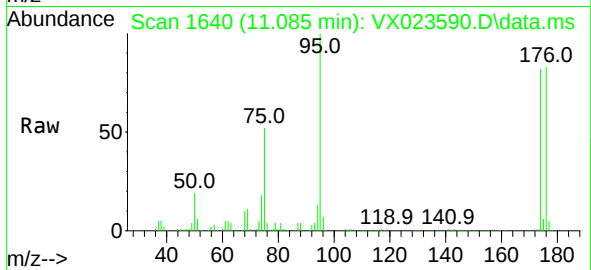
Tgt Ion: 75 Resp: 59026
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.054 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023590.D
 Acq: 06 Aug 2021 12:47

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 59026
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

