

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081021\
 Data File : VX023630.D
 Acq On : 10 Aug 2021 12:27
 Operator : JC/MD
 Sample : M3251-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 11 02:59:14 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)

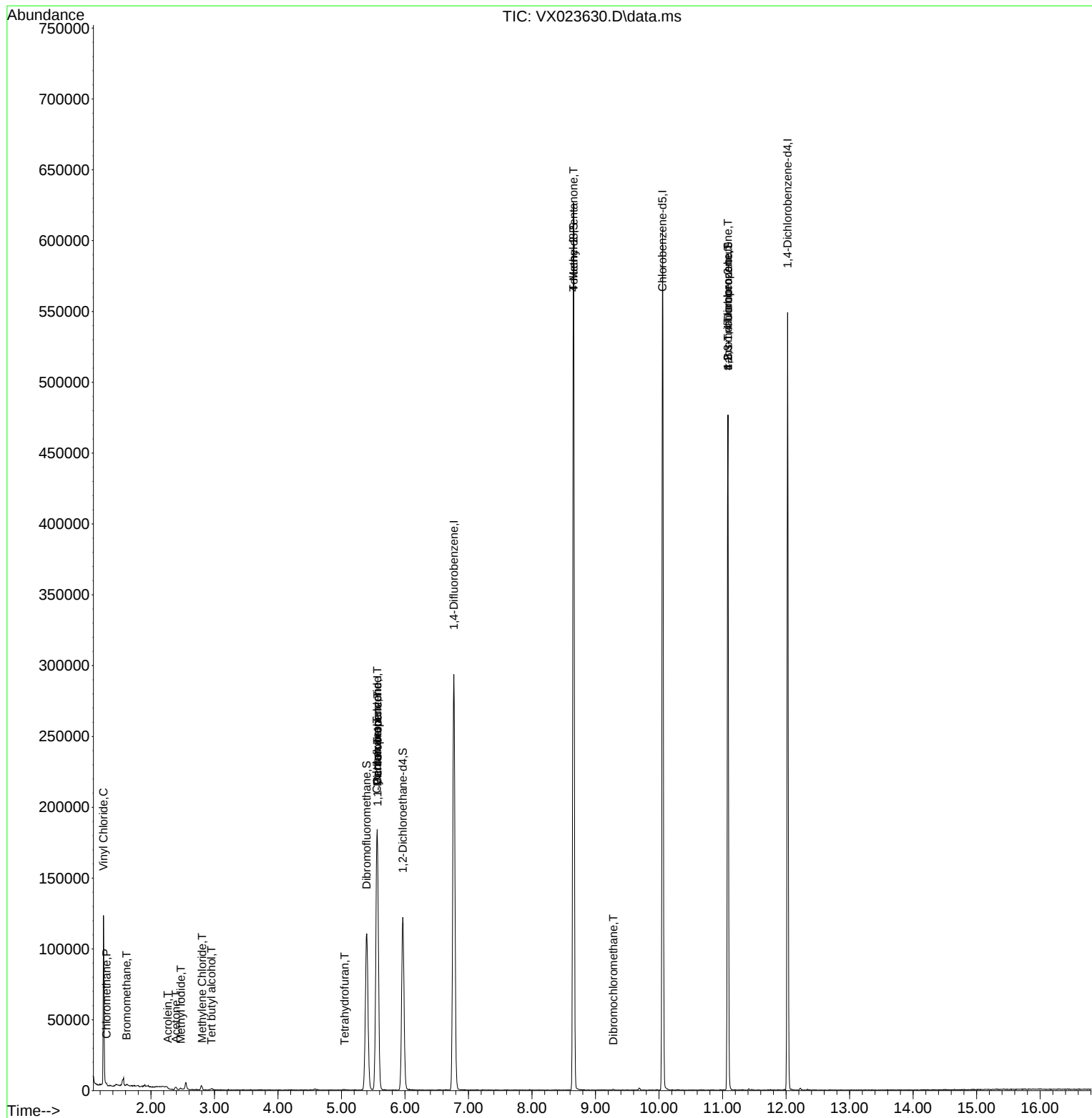
Internal Standards						
1) Pentafluorobenzene	5.562	168	177844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	298824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	269040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	118224	53.291	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.580%	
35) Dibromofluoromethane	5.397	113	95714	51.228	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.460%	
50) Toluene-d8	8.653	98	360376	52.499	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.000%	
62) 4-Bromofluorobenzene	11.085	95	122052	52.289	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.580%	
Target Compounds						Qvalue
3) Chloromethane	1.300	50	705	0.370	ug/l	97
4) Vinyl Chloride	1.252	62	1002	0.519	ug/l #	58
5) Bromomethane	1.617	94	857	0.748	ug/l	98
10) Methyl Iodide	2.471	142	1234	0.559	ug/l #	78
11) Tert butyl alcohol	2.953	59	804	1.586	ug/l #	73
13) Acrolein	2.264	56	46	1.541	ug/l #	14
16) Acetone	2.392	43	1956	1.797	ug/l	93
20) Methylene Chloride	2.806	84	1293	0.611	ug/l #	70
29) Tetrahydrofuran	5.050	42	404	0.365	ug/l #	39
31) Cyclohexane	5.556	56	4068	1.238	ug/l #	29
36) 1,1-Dichloropropene	5.568	75	14211	5.257	ug/l #	49
38) Carbon Tetrachloride	5.562	117	18424	6.702	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1771	0.548	ug/l #	1
60) Dibromochloromethane	9.281	129	42	2.001	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	63361	26.681	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	63361	71.741	ug/l #	12

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

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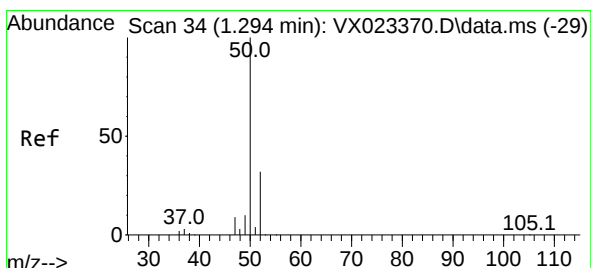
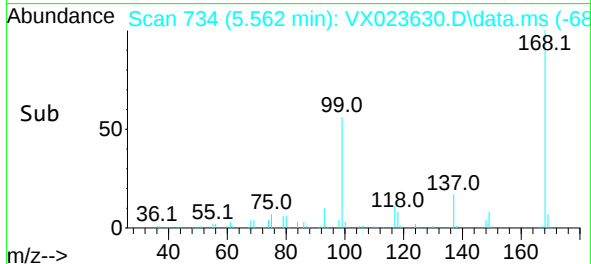
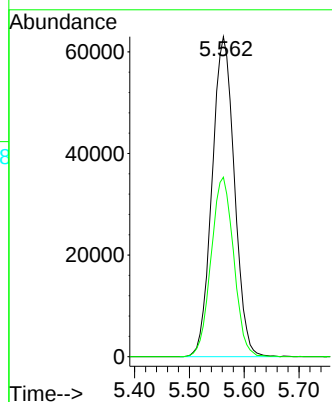
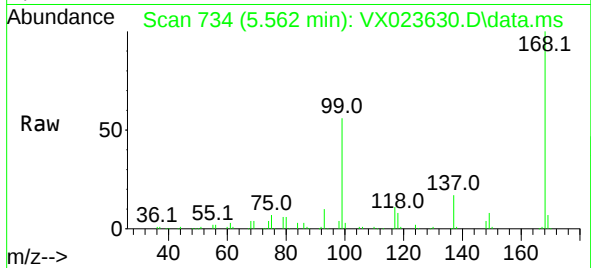




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

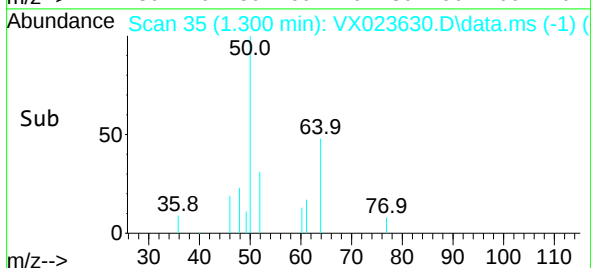
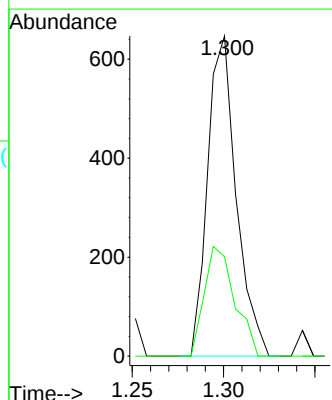
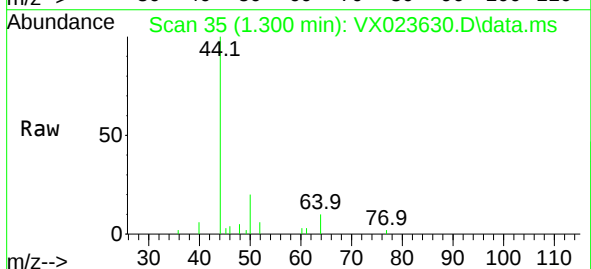
Instrument :
MSVOA_X
ClientSampleId :

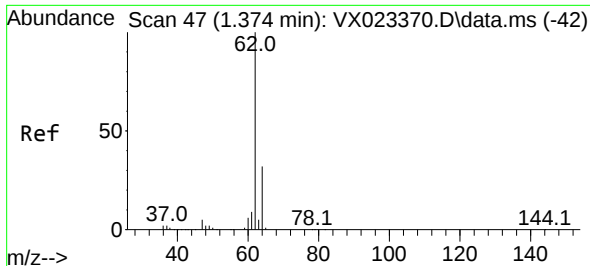
Tgt Ion:168 Resp: 177844
Ion Ratio Lower Upper
168 100
99 56.1 45.8 68.6



#3
Chloromethane
Concen: 0.370 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

Tgt Ion: 50 Resp: 705
Ion Ratio Lower Upper
50 100
52 31.1 26.4 39.6

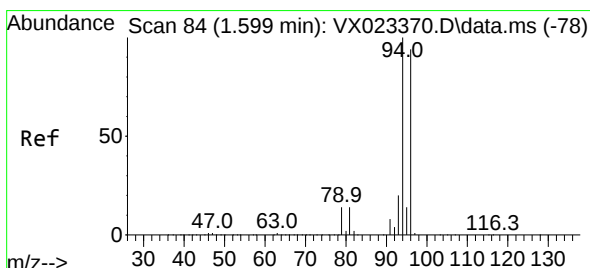
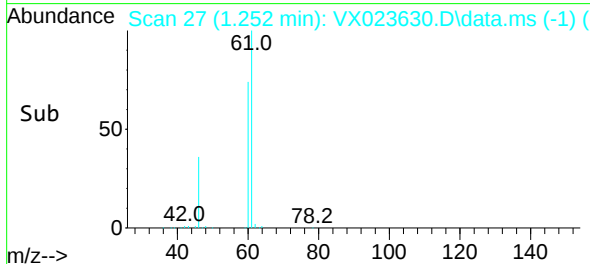
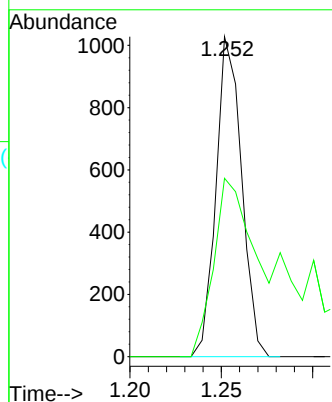
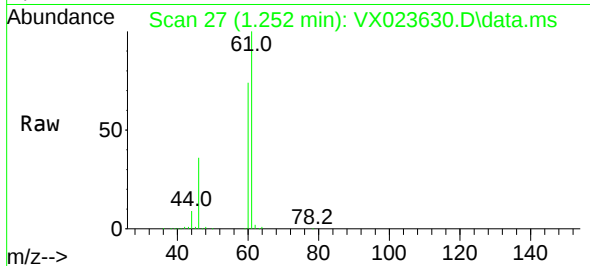




#4
 Vinyl Chloride
 Concen: 0.519 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023630.D
 Acq: 10 Aug 2021 12:27

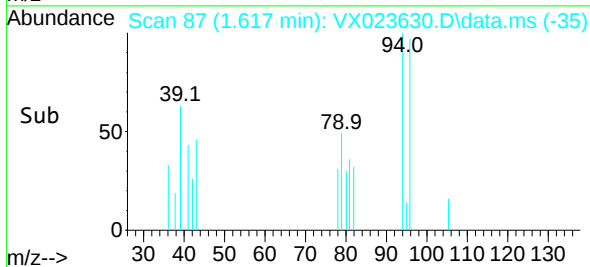
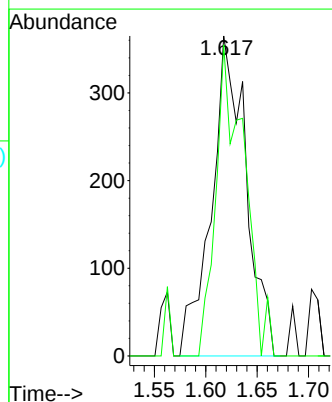
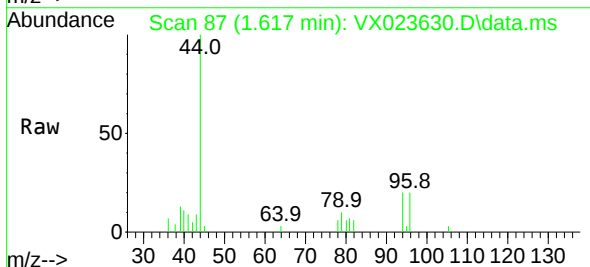
Instrument :
 MSVOA_X
 ClientSampled :

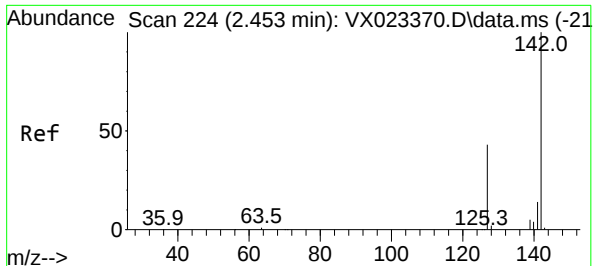
Tgt Ion: 62 Resp: 1002
 Ion Ratio Lower Upper
 62 100
 64 55.7 25.7 38.5#



#5
 Bromomethane
 Concen: 0.748 ug/l
 RT: 1.617 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX023630.D
 Acq: 10 Aug 2021 12:27

Tgt Ion: 94 Resp: 857
 Ion Ratio Lower Upper
 94 100
 96 97.3 76.4 114.6





#10

Methyl Iodide

Concen: 0.559 ug/l

RT: 2.471 min Scan# 227

Delta R.T. 0.018 min

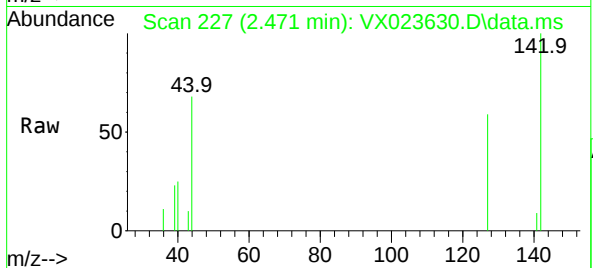
Lab File: VX023630.D

Acq: 10 Aug 2021 12:27

Instrument :

MSVOA_X

ClientSampleId :



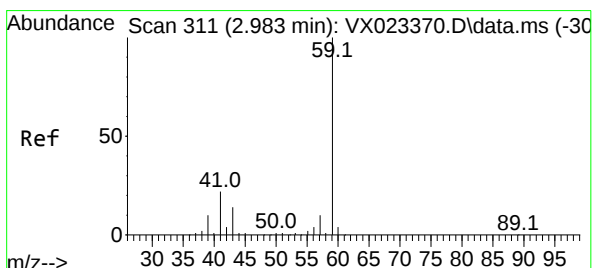
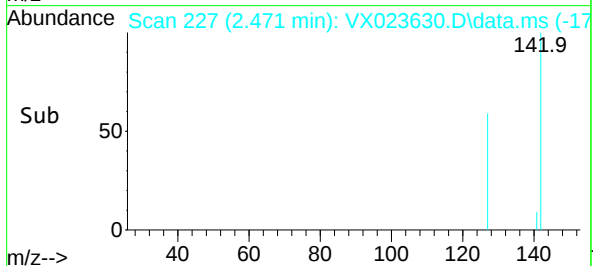
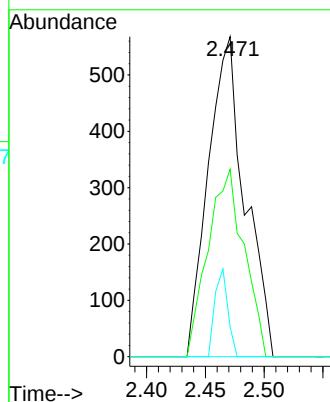
Tgt Ion:142 Resp: 1234

Ion Ratio Lower Upper

142 100

127 57.5 33.3 49.9#

141 9.6 11.4 17.0#



#11

Tert butyl alcohol

Concen: 1.586 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.030 min

Lab File: VX023630.D

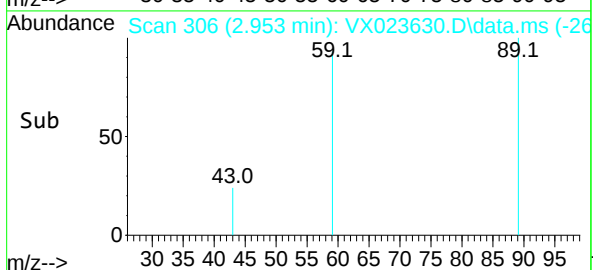
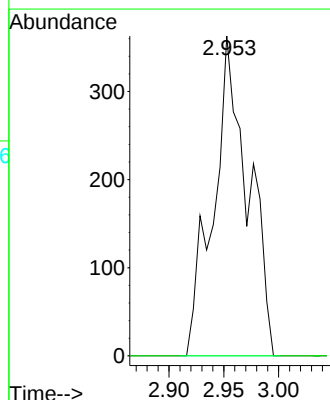
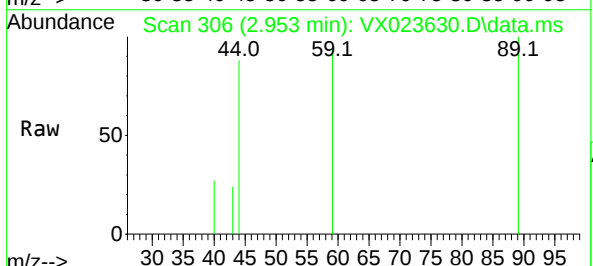
Acq: 10 Aug 2021 12:27

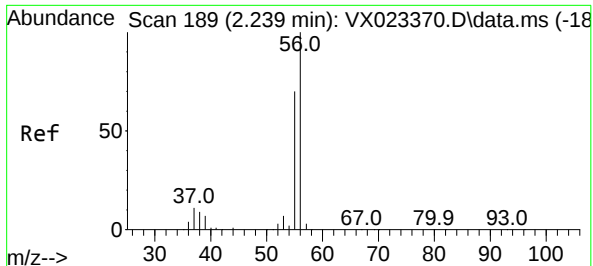
Tgt Ion: 59 Resp: 804

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

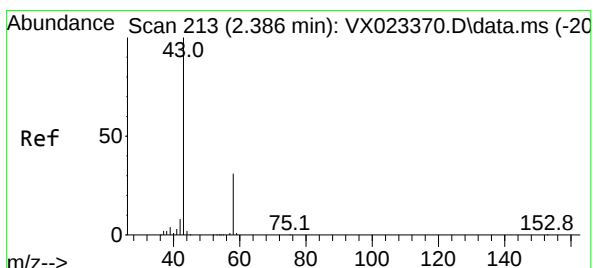
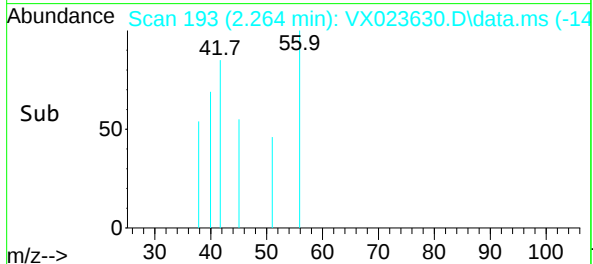
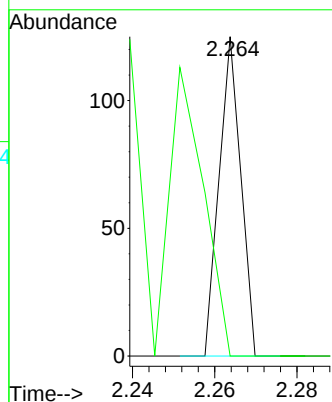
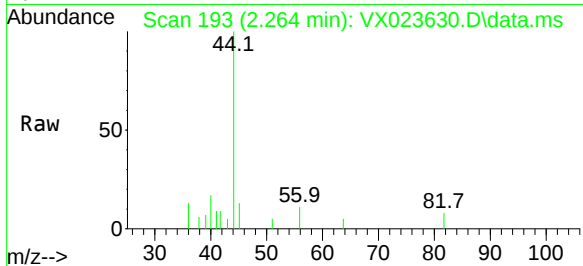




#13
Acrolein
Concen: 1.541 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.025 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

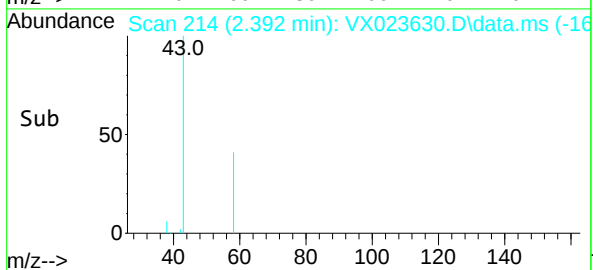
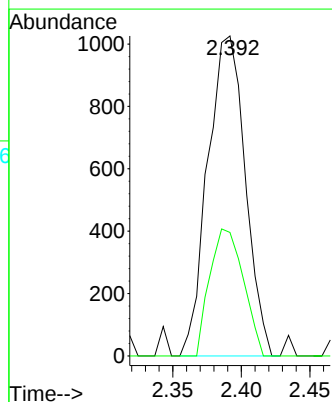
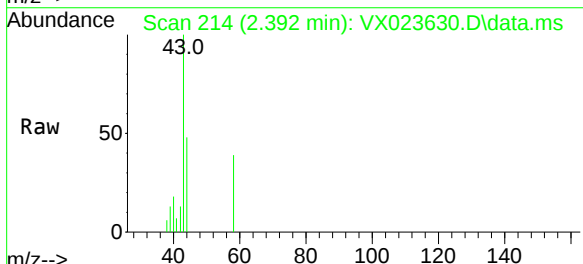
Instrument :
MSVOA_X
ClientSampled :

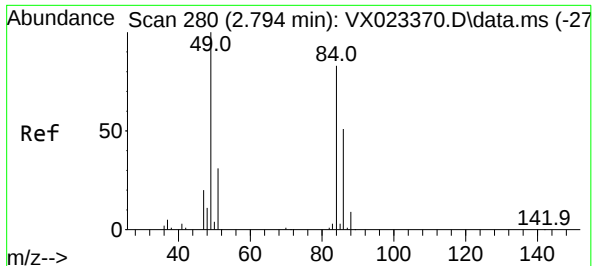
Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 1.797 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

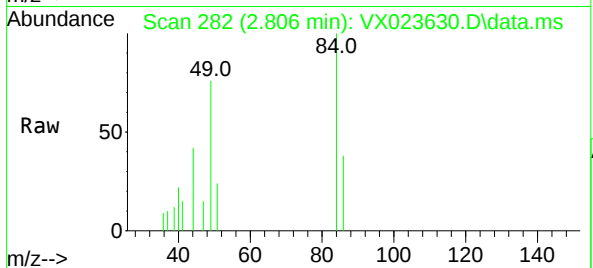
Tgt Ion: 43 Resp: 1956
Ion Ratio Lower Upper
43 100
58 38.6 27.8 41.8



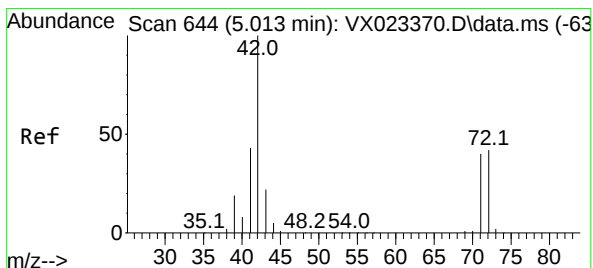
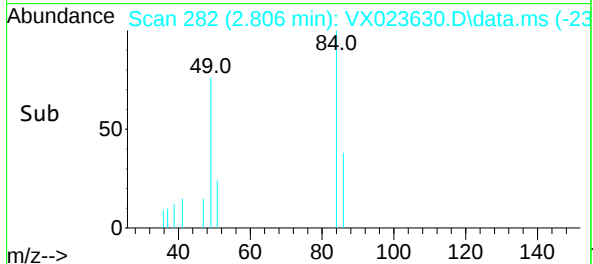
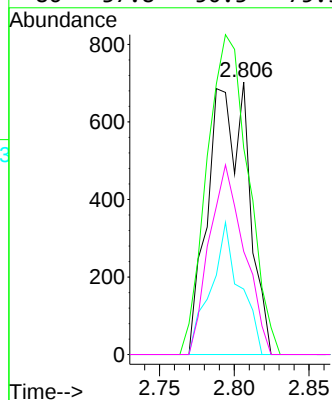


#20
Methylene Chloride
Concen: 0.611 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.012 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

Instrument :
MSVOA_X
ClientSampled :

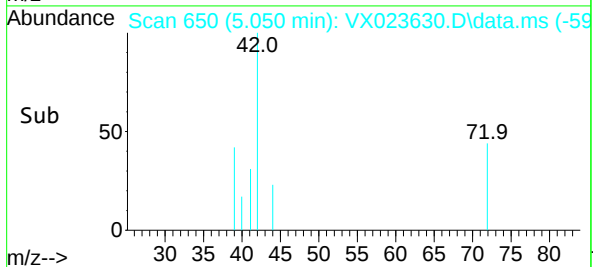
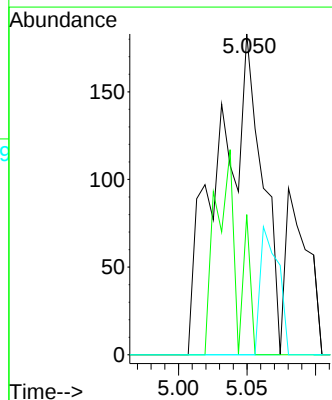
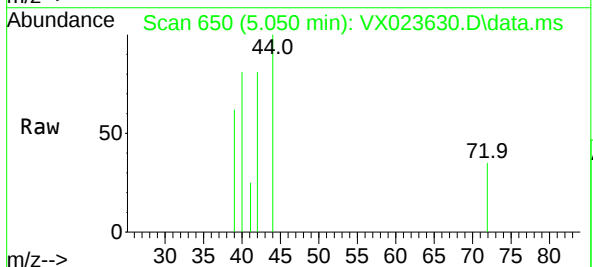


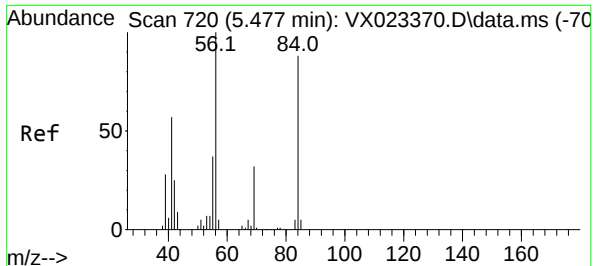
Tgt Ion:	84	Resp:	1293
Ion	Ratio	Lower	Upper
84	100		
49	75.8	88.6	132.8#
51	24.0	27.0	40.6#
86	37.8	50.3	75.5#



#29
Tetrahydrofuran
Concen: 0.365 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.037 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

Tgt Ion:	42	Resp:	404
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	16.6	38.4	57.6#

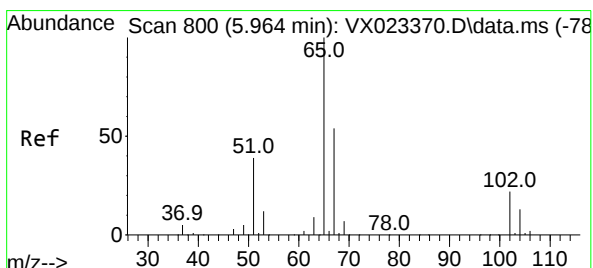
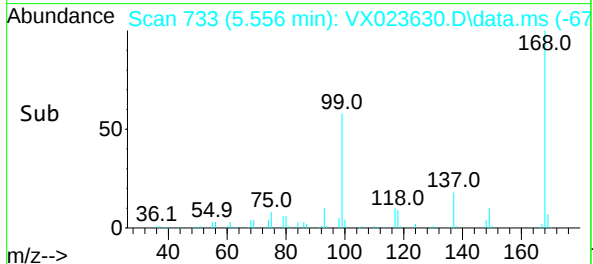
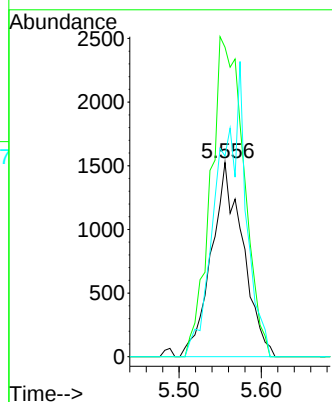
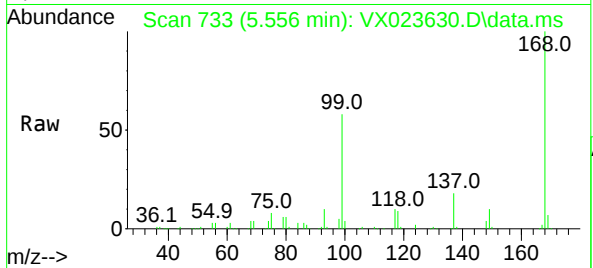




#31
Cyclohexane
Concen: 1.238 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

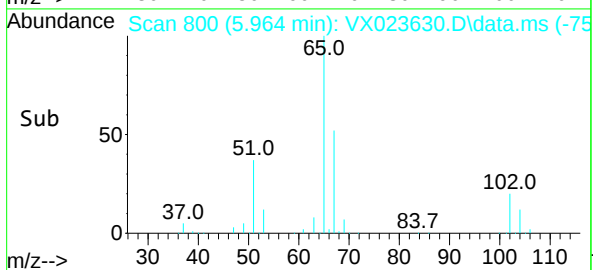
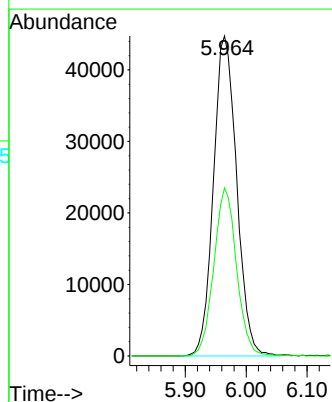
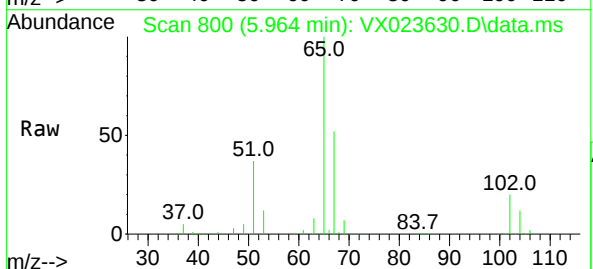
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MSVOA_X
ClientSampleId :

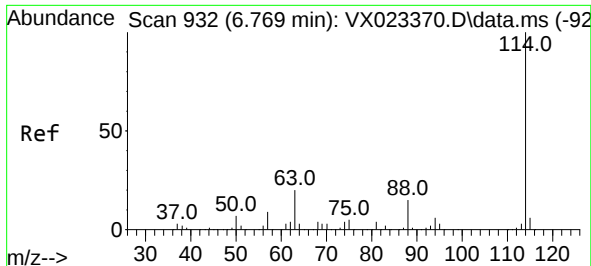
Tgt Ion: 56 Resp: 4068
Ion Ratio Lower Upper
56 100
69 159.3 25.3 37.9#
84 103.3 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 53.291 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

Tgt Ion: 65 Resp: 118224
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

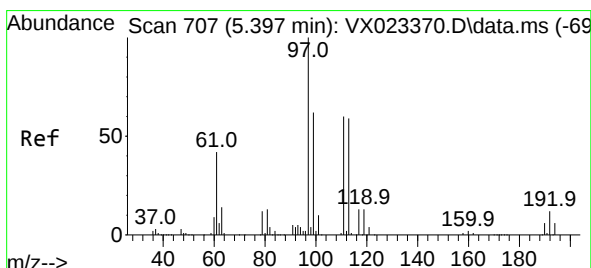
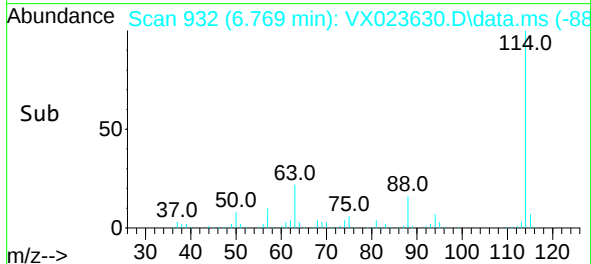
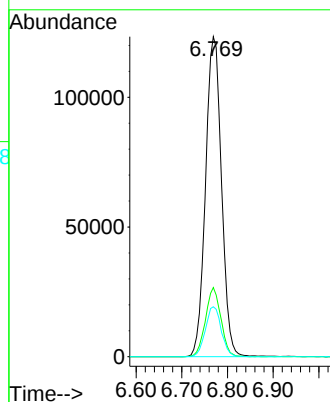
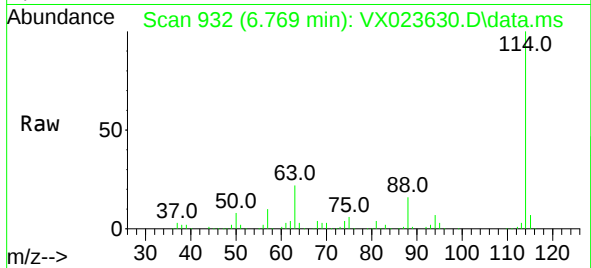




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

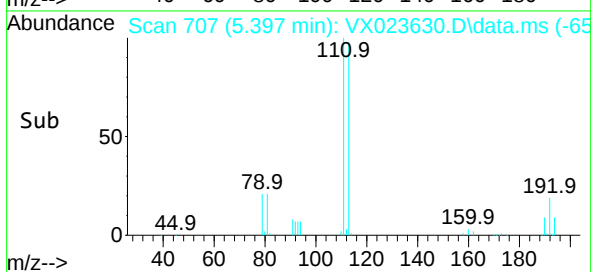
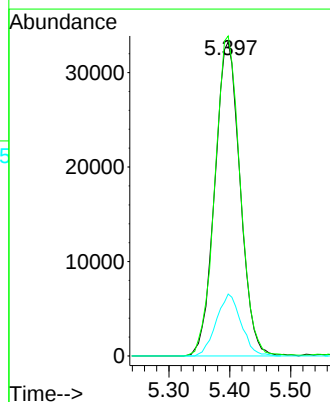
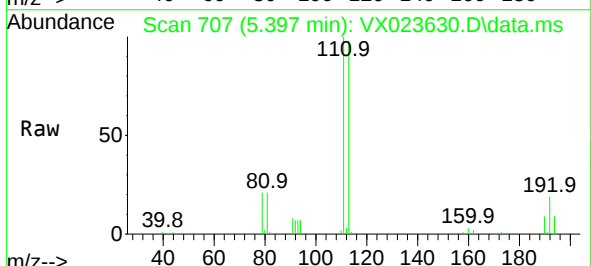
Instrument :
MSVOA_X
ClientSampled :

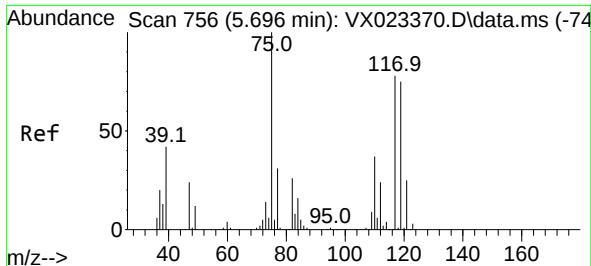
Tgt Ion:114 Resp: 298824
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.228 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

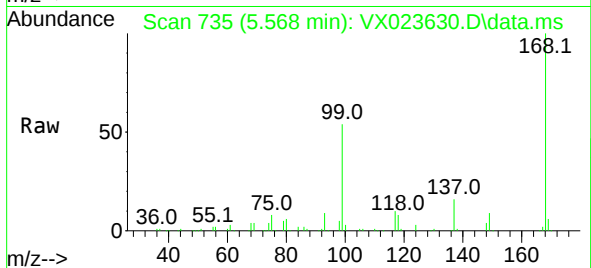
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Ion Ratio Lower Upper
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111 101.7 81.9 122.9
192 19.4 16.7 25.1



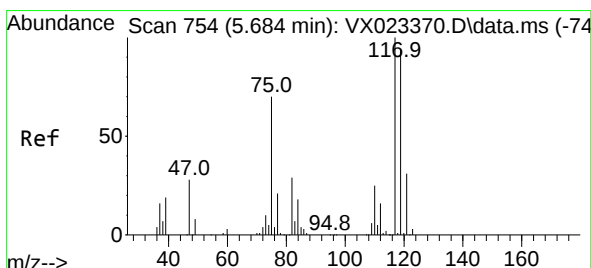
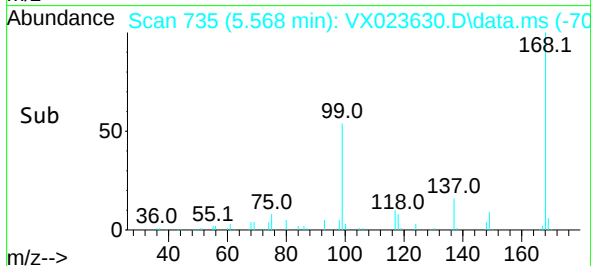
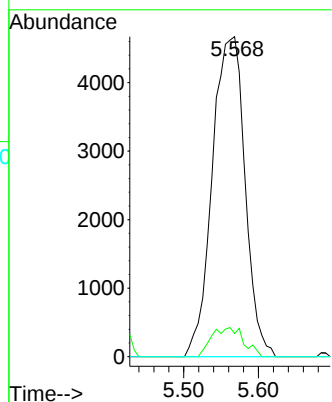


#36
1,1-Dichloropropene
Concen: 5.257 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

Instrument :
MSVOA_X
ClientSampled :

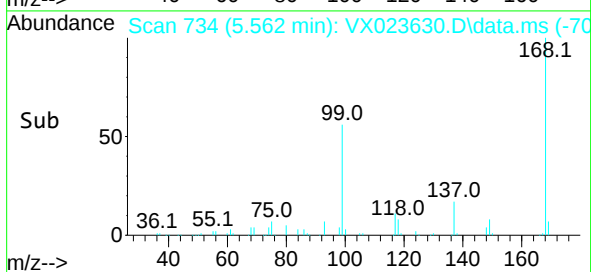
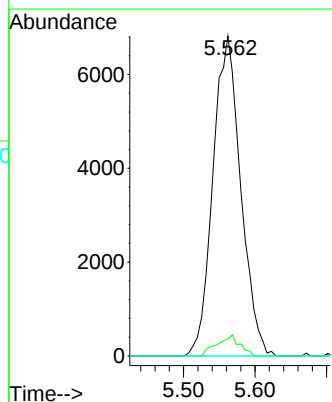
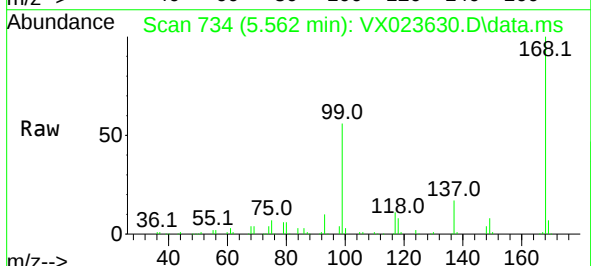


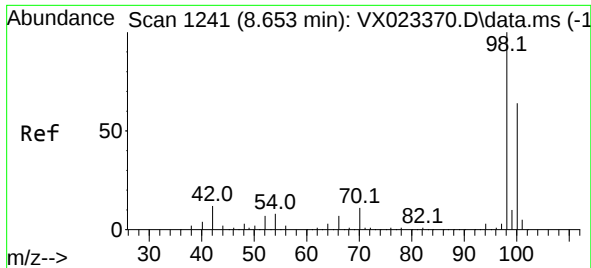
Tgt Ion: 75 Resp: 14211
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.702 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

Tgt Ion: 117 Resp: 18424
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.8 37.2#

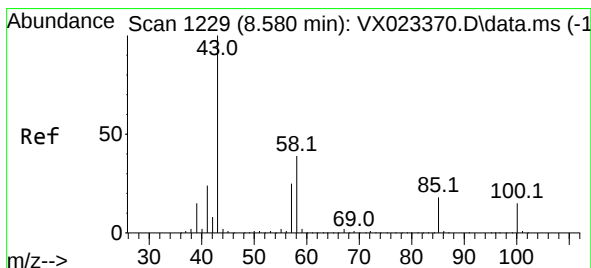
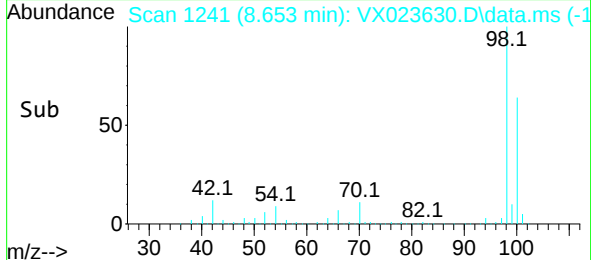
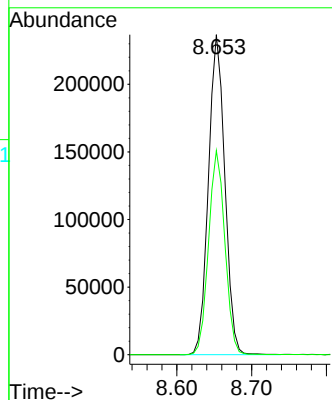
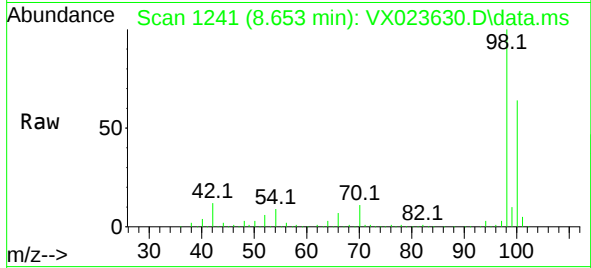




#50
Toluene-d8
Concen: 52.499 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

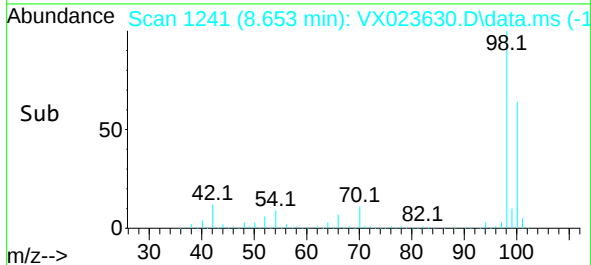
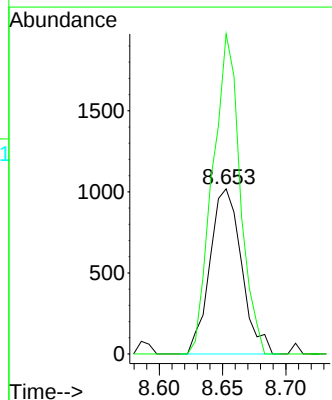
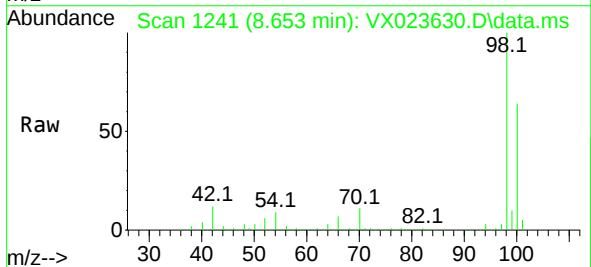
Instrument :
MSVOA_X
ClientSampled :

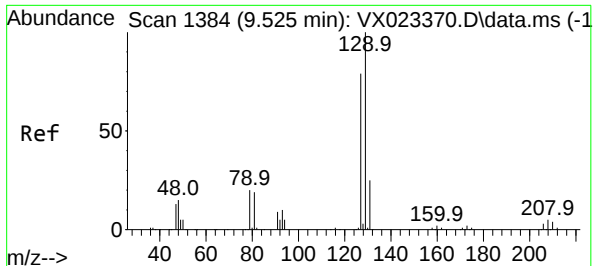
Tgt Ion: 98 Resp: 360376
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.548 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

Tgt Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
58 168.5 35.4 53.0#





#60

Dibromochloromethane

Concen: 2.001 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX023630.D

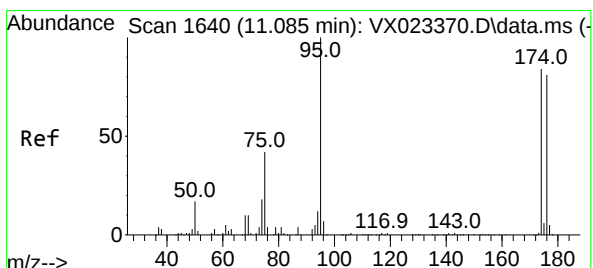
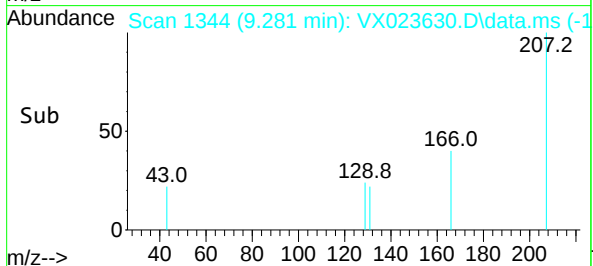
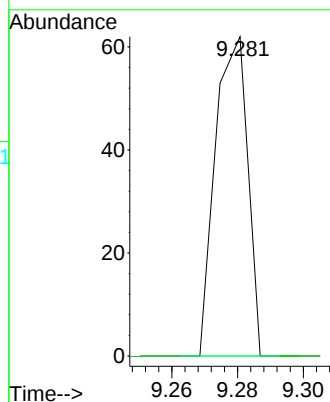
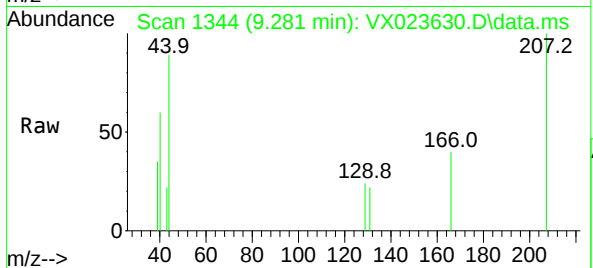
Acq: 10 Aug 2021 12:27

Tgt Ion:129 Resp: 42

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 52.289 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023630.D

Acq: 10 Aug 2021 12:27

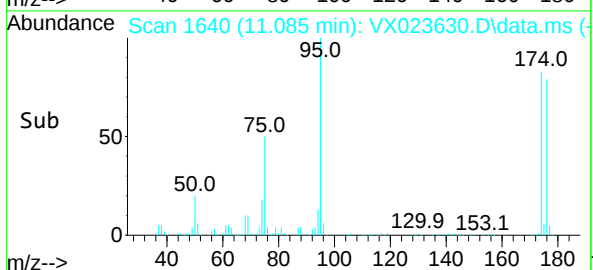
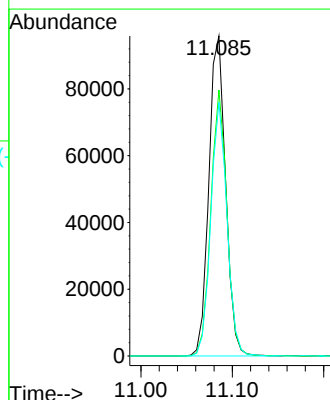
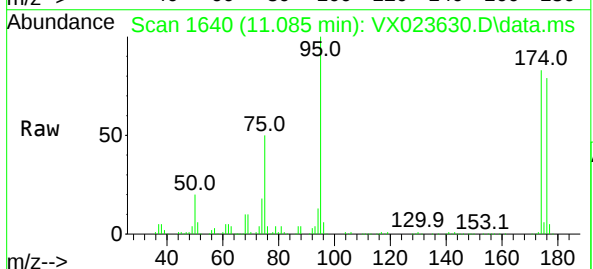
Tgt Ion: 95 Resp: 122052

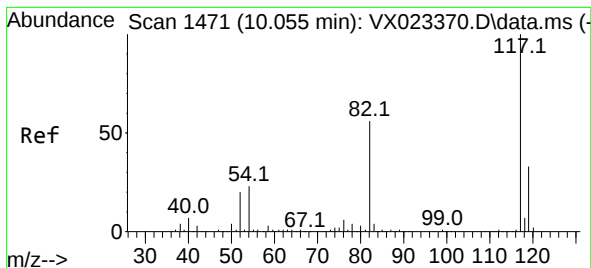
Ion Ratio Lower Upper

95 100

174 79.8 0.0 154.6

176 76.3 0.0 155.8

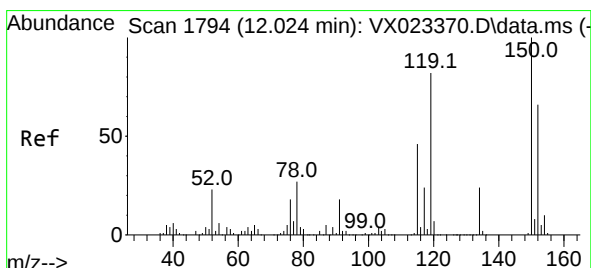
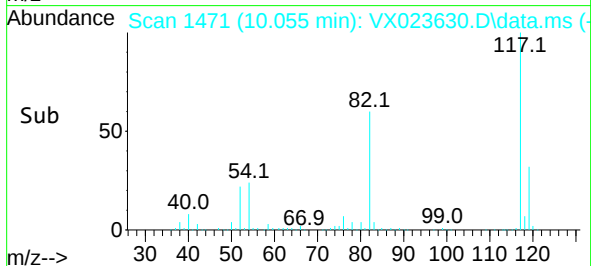
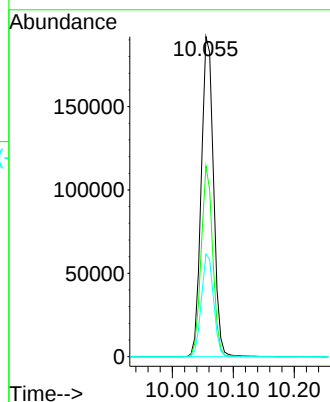
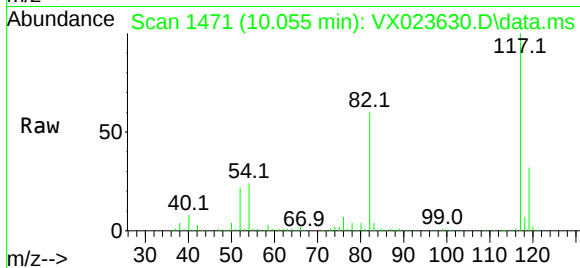




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

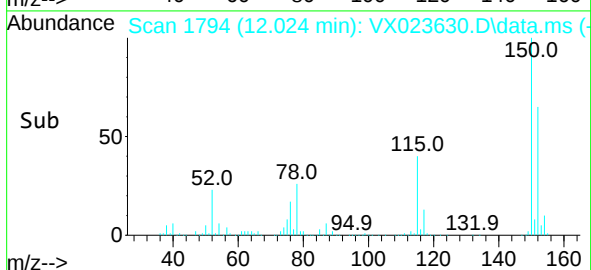
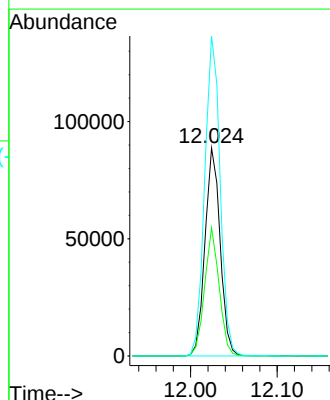
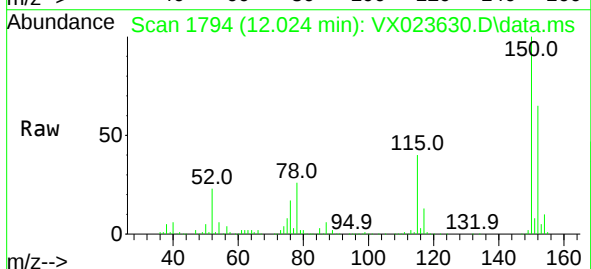
Instrument :
MSVOA_X
ClientSampled :

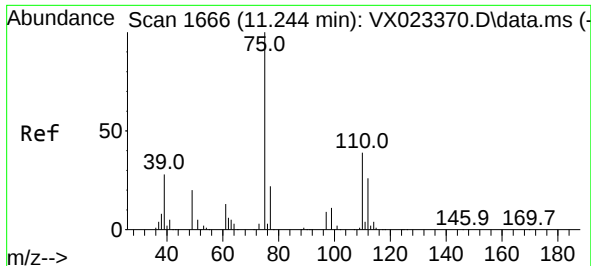
Tgt Ion:117 Resp: 269040
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

Tgt Ion:152 Resp: 107917
Ion Ratio Lower Upper
152 100
115 59.1 41.1 123.3
150 156.3 0.0 349.0

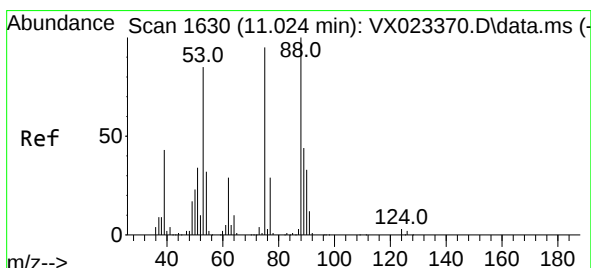
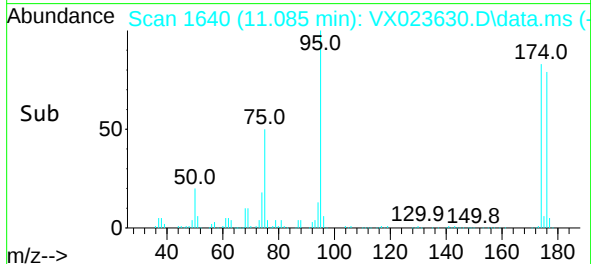
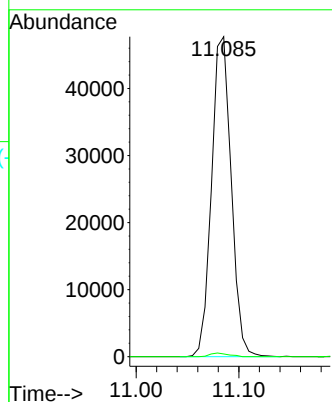
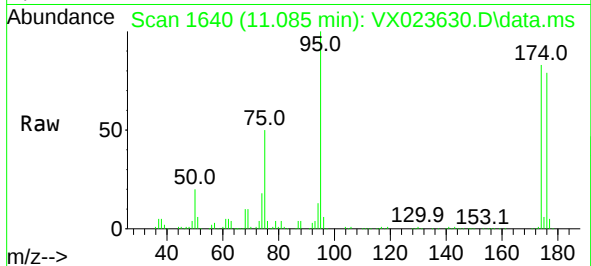




#76
1,2,3-Trichloropropane
Concen: 26.681 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 63361
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.741 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023630.D
Acq: 10 Aug 2021 12:27

Tgt Ion: 75 Resp: 63361
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

