

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072621\
 Data File : VX023451.D
 Acq On : 26 Jul 2021 15:14
 Operator : JC/MD
 Sample : M3146-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 03:27:54 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)

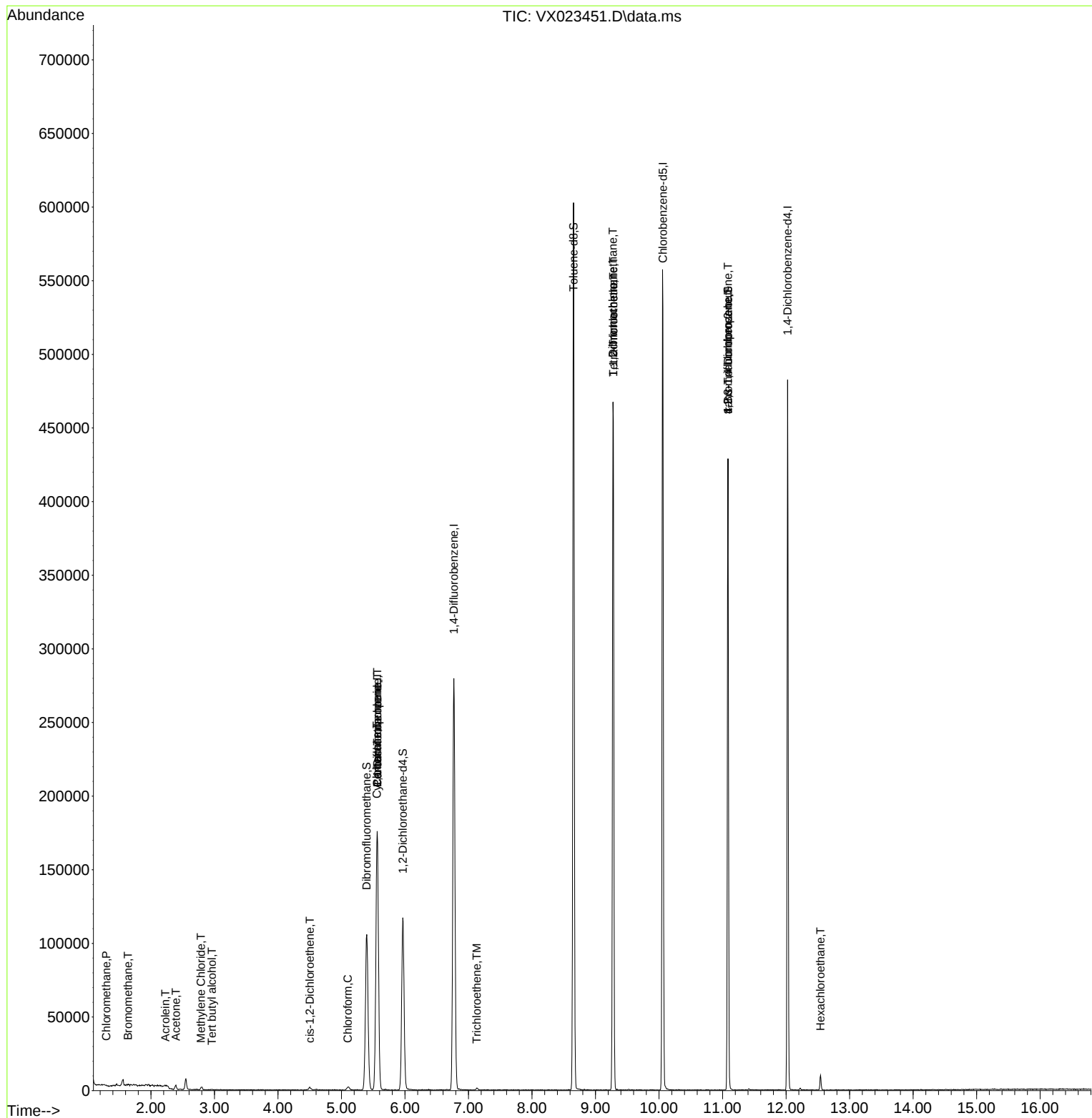
Internal Standards						
1) Pentafluorobenzene	5.562	168	169057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	286146	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	254023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95841	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	111057	52.66	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.32%
35) Dibromofluoromethane	5.397	113	90856	50.78	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.56%
50) Toluene-d8	8.653	98	342908	52.17	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.34%
62) 4-Bromofluorobenzene	11.085	95	107713	48.19	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.38%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	576	0.32	ug/l	99
5) Bromomethane	1.636	94	632	0.58	ug/l #	30
11) Tert butyl alcohol	2.959	59	200	0.42	ug/l #	73
13) Acrolein	2.227	56	94	1.75	ug/l #	19
16) Acetone	2.392	43	3197	3.09	ug/l	96
20) Methylene Chloride	2.788	84	881	0.44	ug/l #	90
27) cis-1,2-Dichloroethene	4.501	96	992	0.48	ug/l	94
30) Chloroform	5.099	83	2616	0.78	ug/l	97
31) Cyclohexane	5.556	56	3663	1.17	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	13268	5.13	ug/l #	48
38) Carbon Tetrachloride	5.562	117	17159	6.52	ug/l #	17
44) Trichloroethene	7.129	130	527	0.25	ug/l	98
55) 1,1,2-Trichloroethane	9.281	97	932	0.48	ug/l #	33
60) Dibromochloromethane	9.275	129	84502	40.01	ug/l #	11
64) Tetrachloroethene	9.281	164	89303	44.17	ug/l	99
76) 1,2,3-Trichloropropane	11.085	75	54313	25.75	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54313	69.24	ug/l #	12
90) Hexachloroethane	12.542	117	1318	3.07	ug/l	89

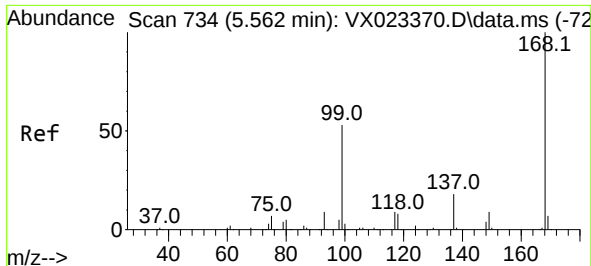
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

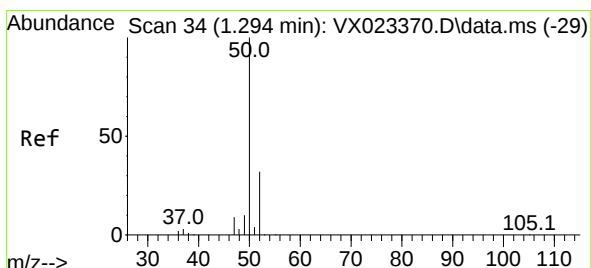
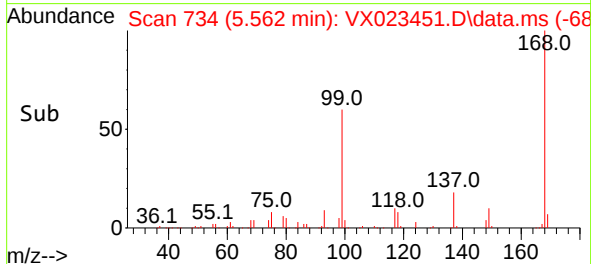
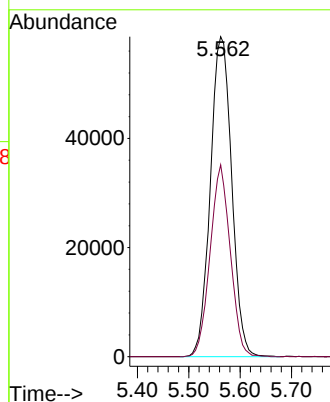
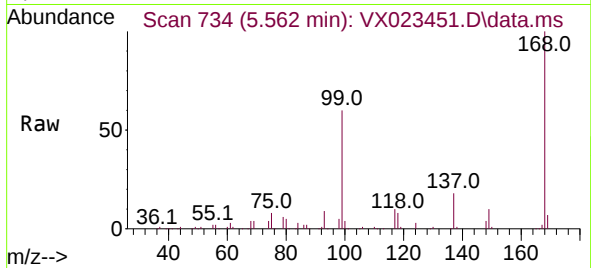




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

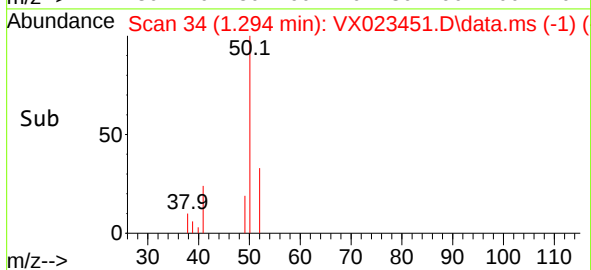
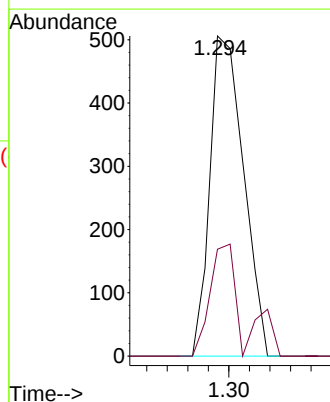
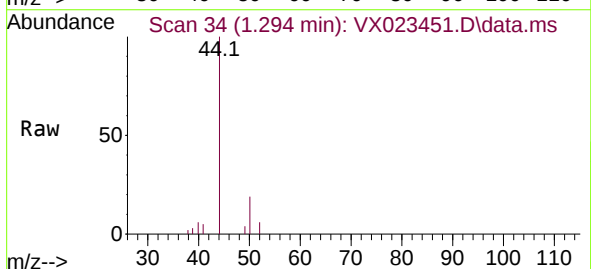
Instrument :
MSVOA_X
ClientSampleId :

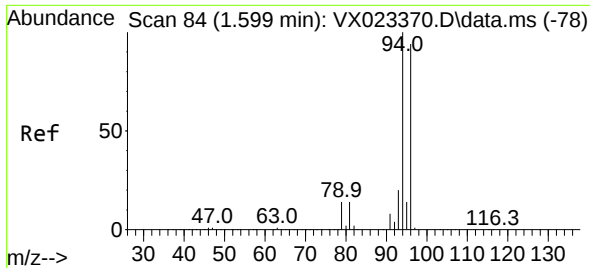
Tgt Ion:168 Resp: 169057
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6



#3
Chloromethane
Concen: 0.32 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Tgt Ion: 50 Resp: 576
Ion Ratio Lower Upper
50 100
52 33.4 26.4 39.6

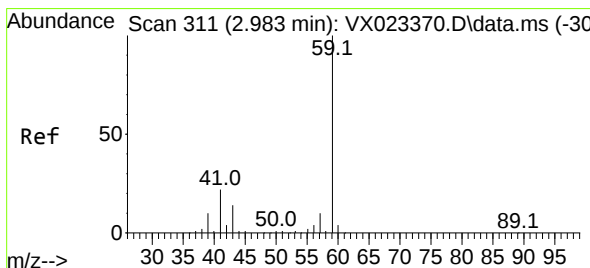
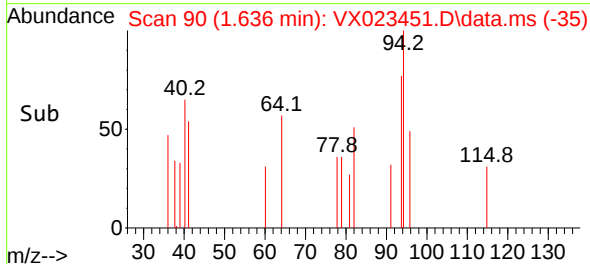
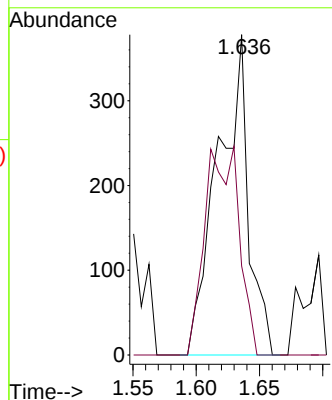
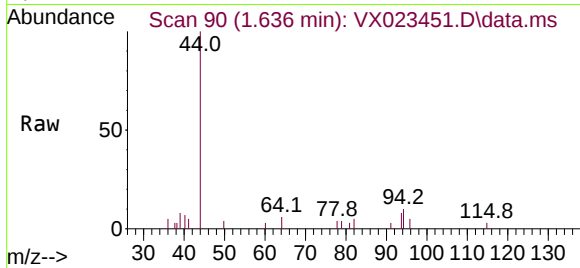




#5
Bromomethane
Concen: 0.58 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.037 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

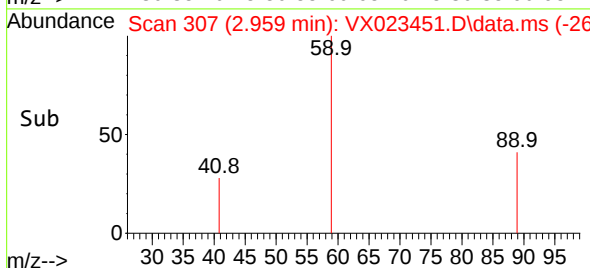
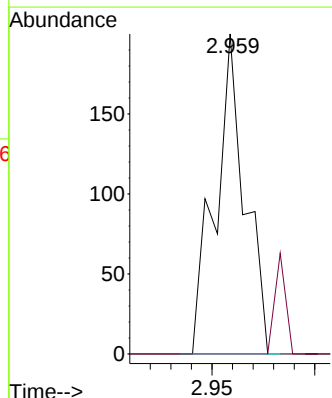
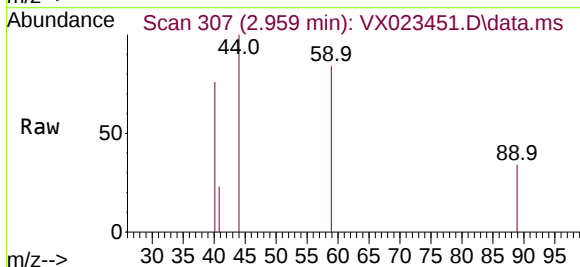
Instrument :
MSVOA_X
ClientSampled :

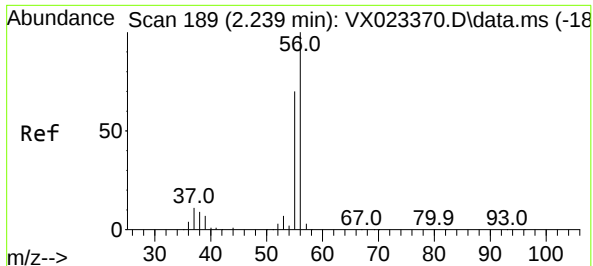
Tgt Ion: 94 Resp: 632
Ion Ratio Lower Upper
94 100
96 27.8 76.4 114.6#



#11
Tert butyl alcohol
Concen: 0.42 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

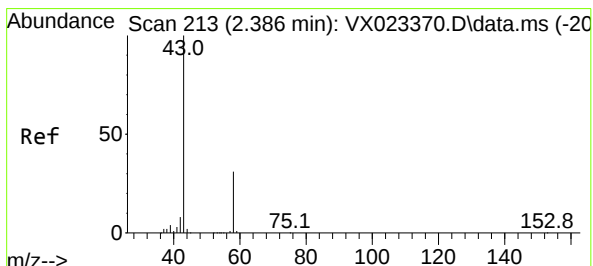
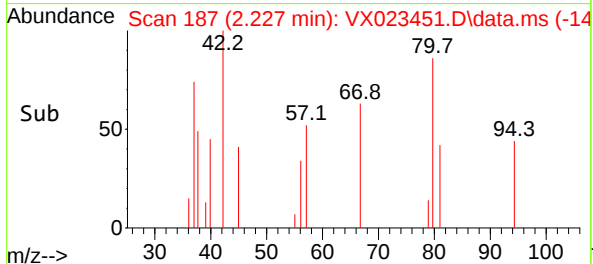
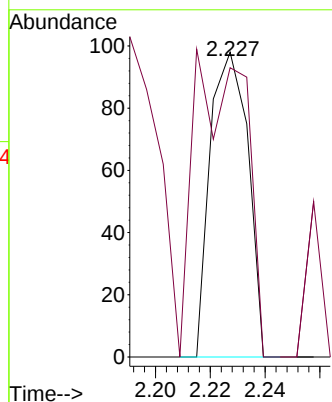
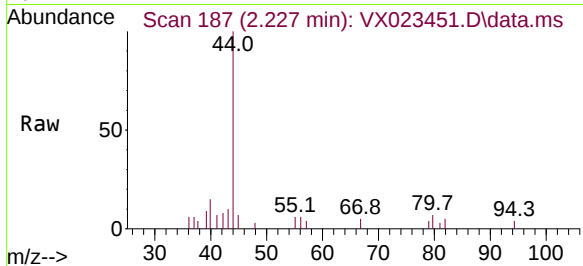




#13
Acrolein
Concen: 1.75 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

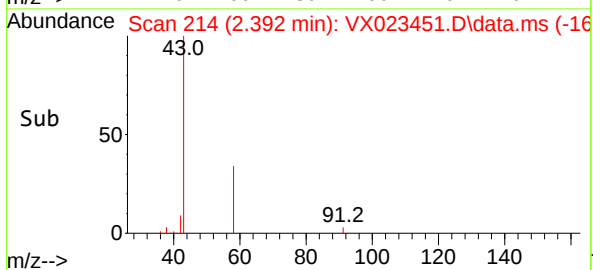
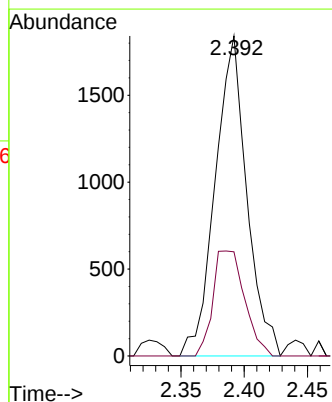
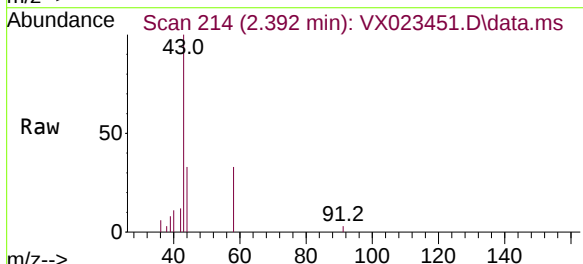
Instrument :
MSVOA_X
ClientSampled :

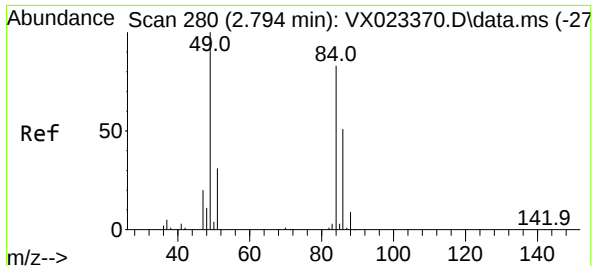
Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 137.2 56.4 84.6#



#16
Acetone
Concen: 3.09 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

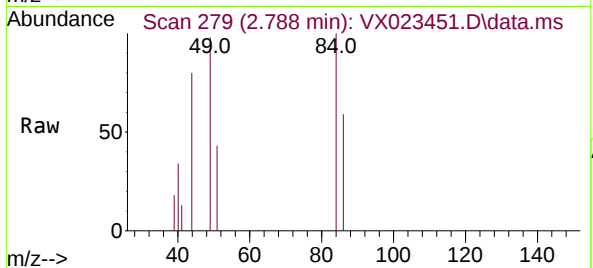
Tgt Ion: 43 Resp: 3197
Ion Ratio Lower Upper
43 100
58 32.5 27.8 41.8



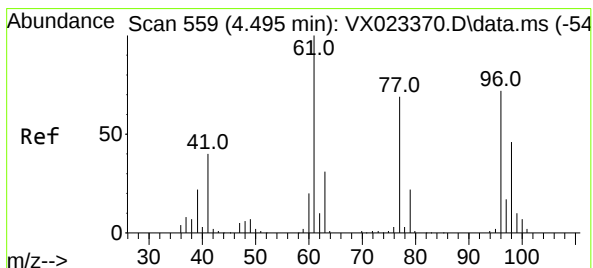
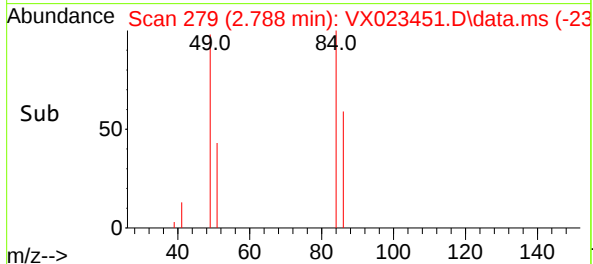
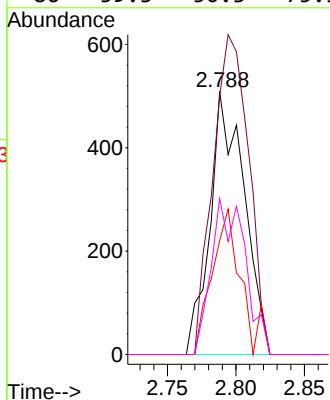


#20
Methylene Chloride
Concen: 0.44 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Instrument :
MSVOA_X
ClientSampleId :

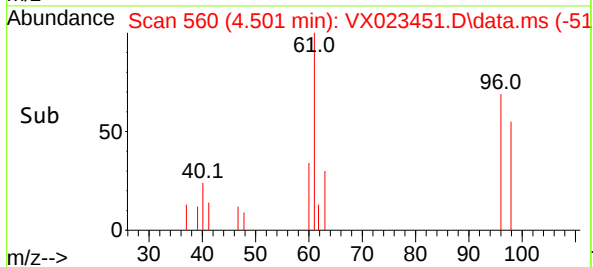
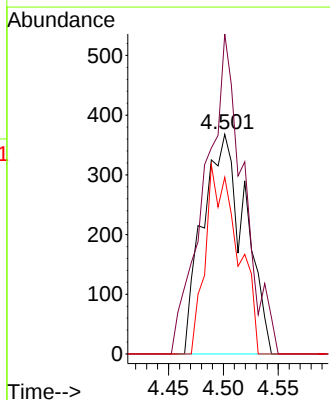
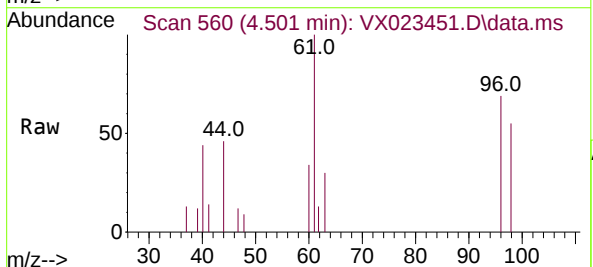


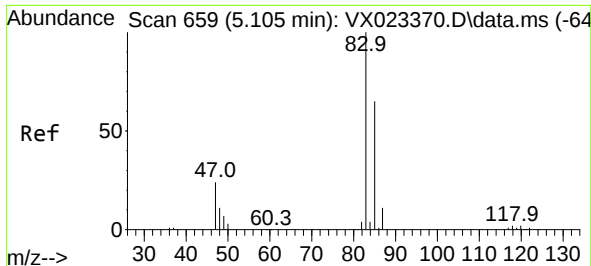
Tgt Ion: 84	Resp: 881
Ion Ratio	Lower Upper
84 100	
49 98.2	88.6 132.8
51 43.2	27.0 40.6#
86 59.3	50.3 75.5



#27
cis-1,2-Dichloroethene
Concen: 0.48 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Tgt Ion: 96	Resp: 992		
Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	285.6
98	65.3	0.0	129.6





#30

Chloroform

Concen: 0.78 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX023451.D

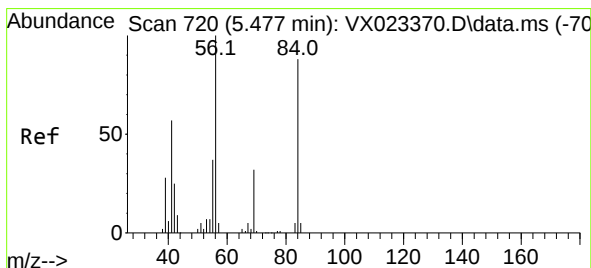
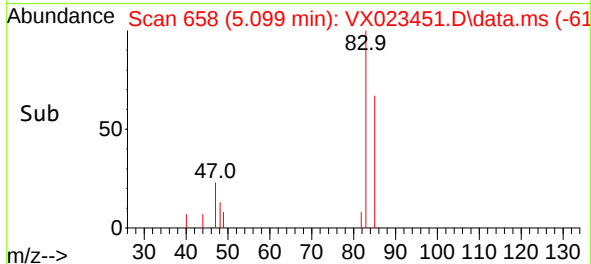
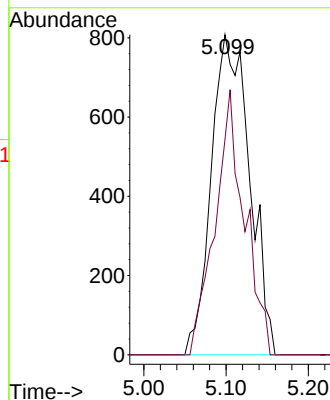
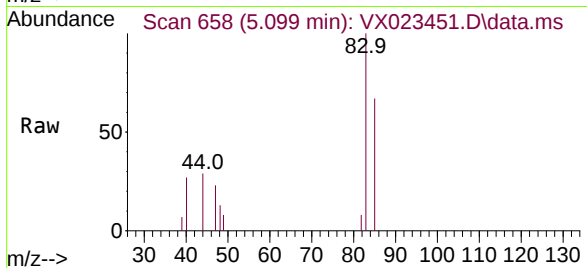
Acq: 26 Jul 2021 15:14

Tgt Ion: 83 Resp: 2616

Ion Ratio Lower Upper

83 100

85 67.3 52.0 78.0



#31

Cyclohexane

Concen: 1.17 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX023451.D

Acq: 26 Jul 2021 15:14

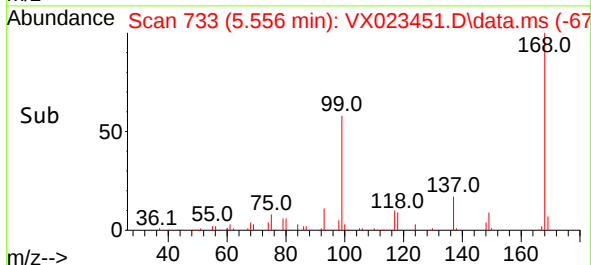
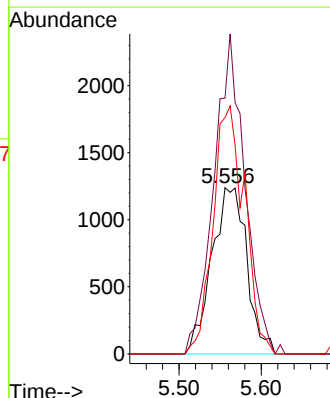
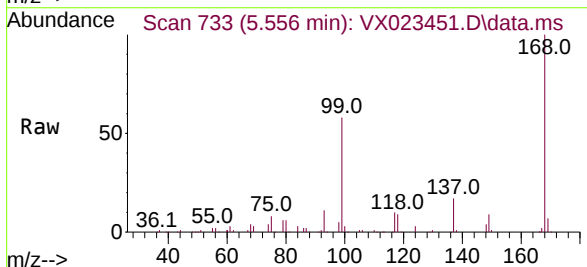
Tgt Ion: 56 Resp: 3663

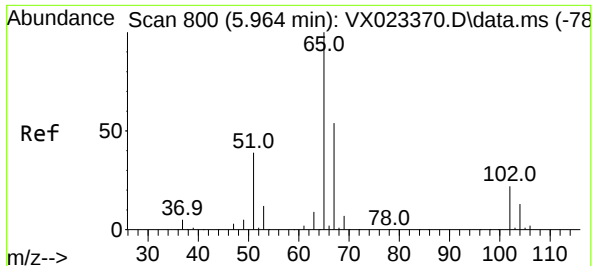
Ion Ratio Lower Upper

56 100

69 153.9 25.3 37.9#

84 142.1 71.4 107.0#

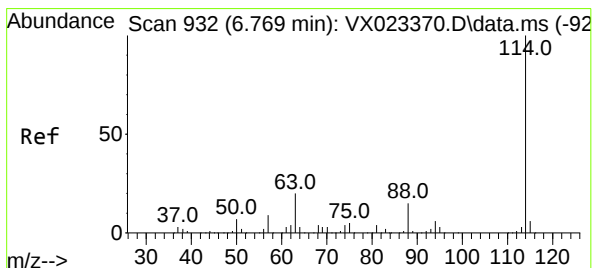
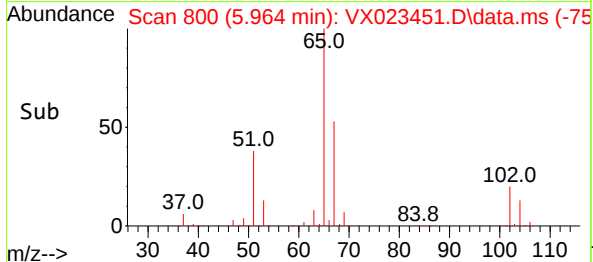
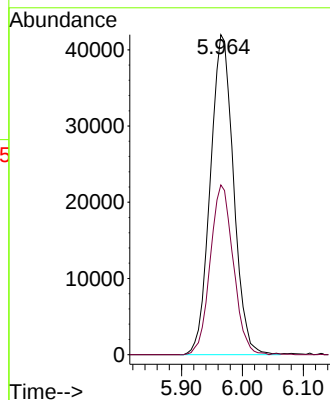
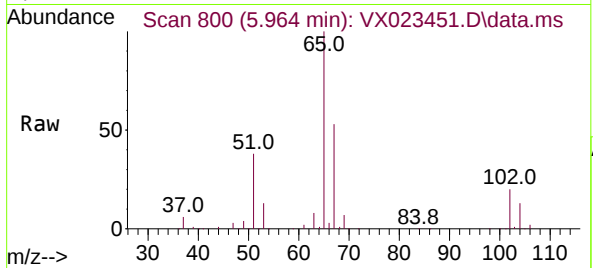




#33
1,2-Dichloroethane-d4
Concen: 52.66 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

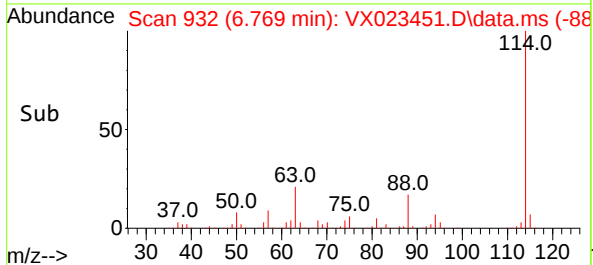
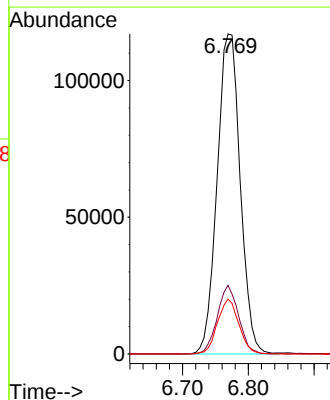
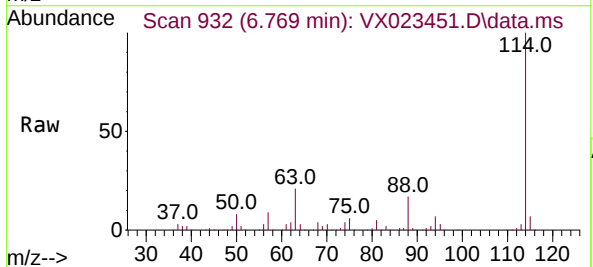
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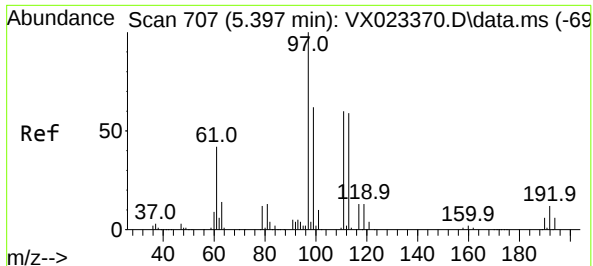
Tgt Ion: 65 Resp: 111057
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Tgt Ion: 114 Resp: 286146
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 17.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.78 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023451.D

Acq: 26 Jul 2021 15:14

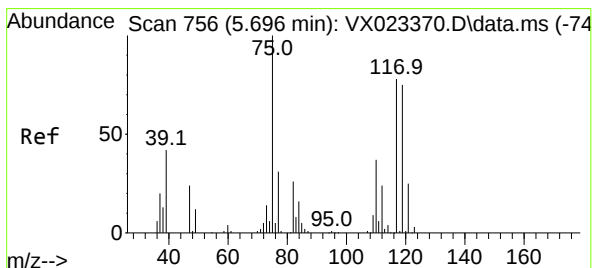
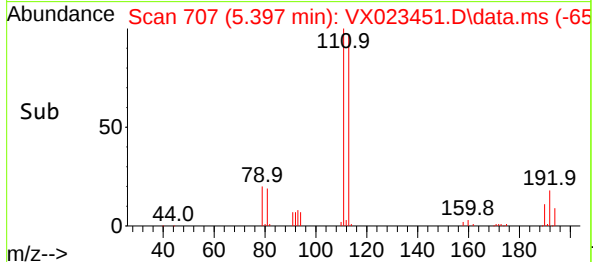
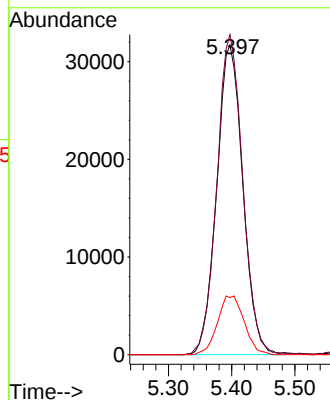
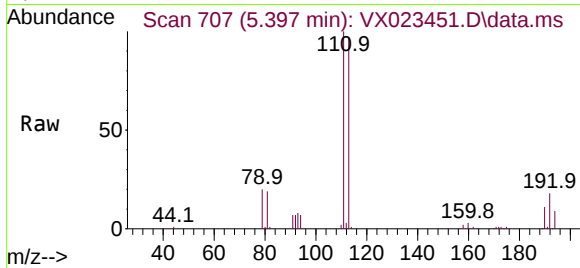
Tgt Ion:113 Resp: 90856

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

192 19.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.13 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023451.D

Acq: 26 Jul 2021 15:14

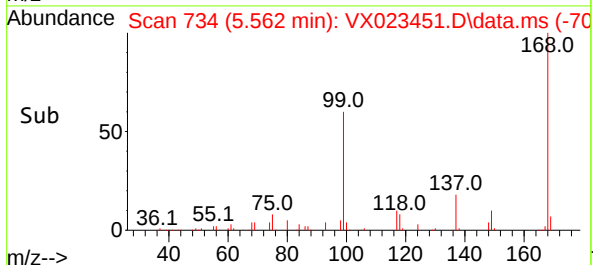
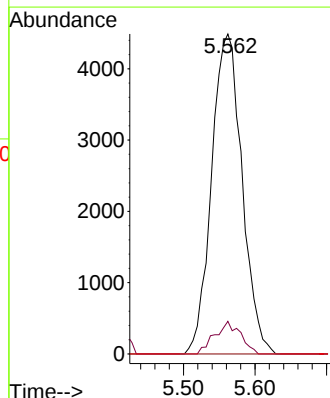
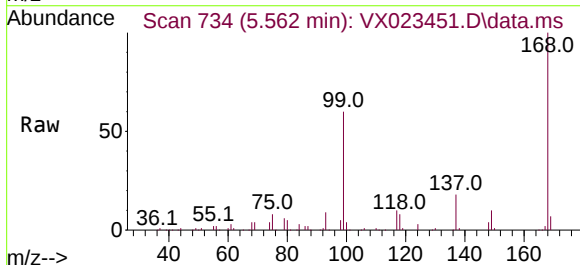
Tgt Ion: 75 Resp: 13268

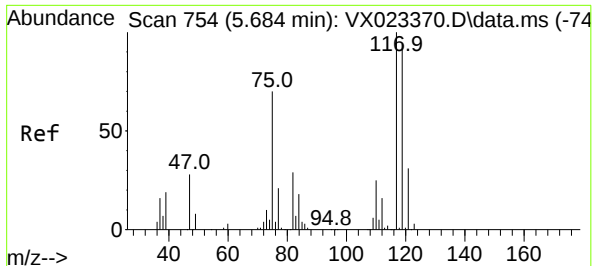
Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

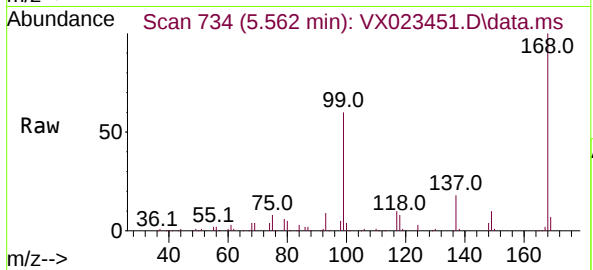
77 0.0 25.3 37.9#



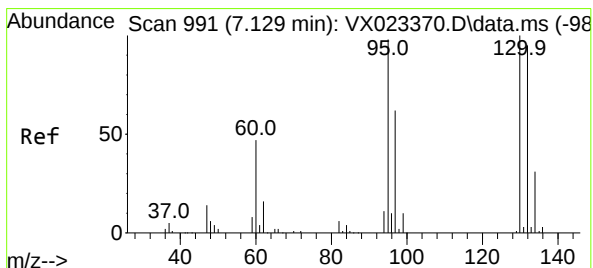
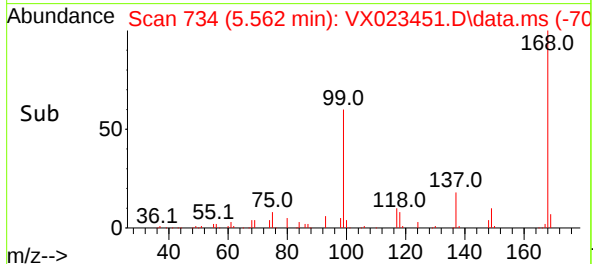
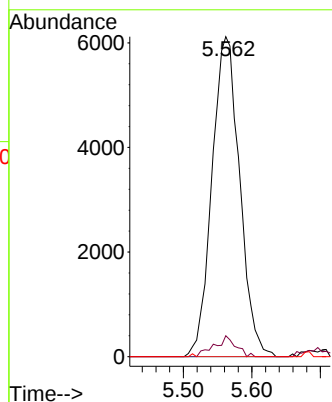


#38
Carbon Tetrachloride
Concen: 6.52 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Instrument :
MSVOA_X
ClientSampled :

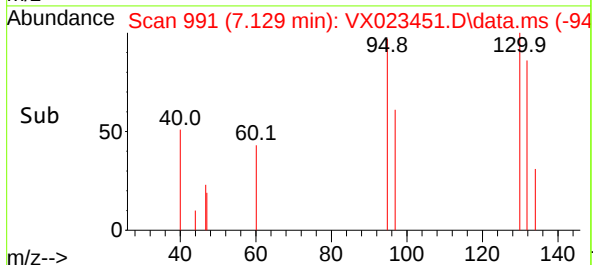
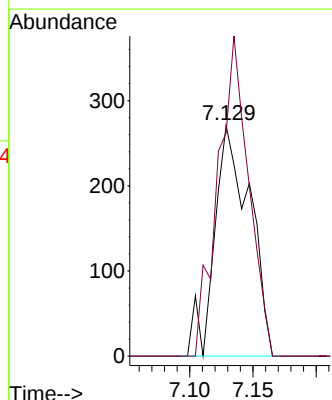
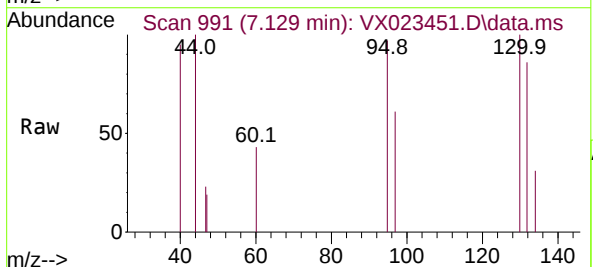


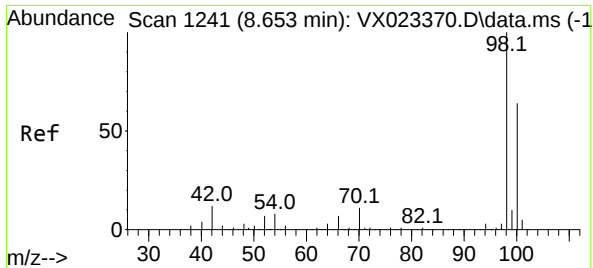
Tgt Ion:117 Resp: 17159
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.25 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Tgt Ion:130 Resp: 527
Ion Ratio Lower Upper
130 100
95 96.7 0.0 198.0

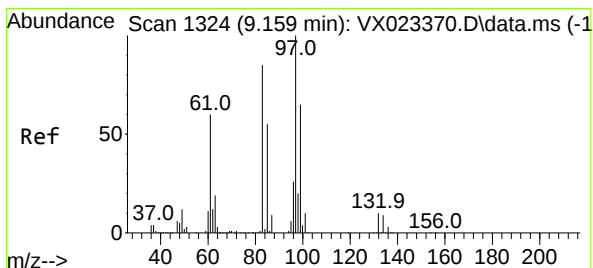
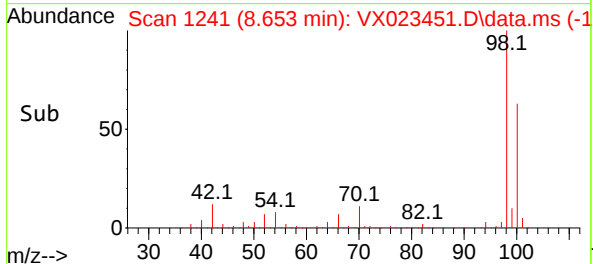
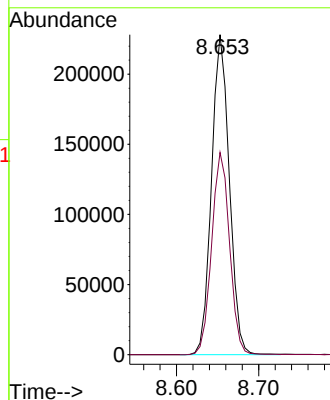
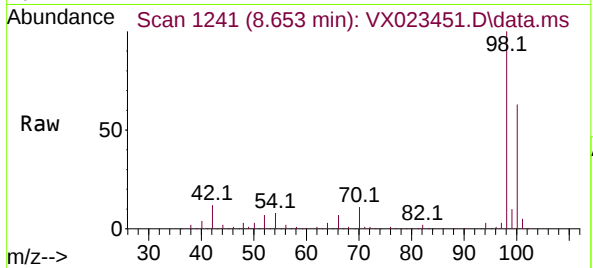




#50
Toluene-d8
Concen: 52.17 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

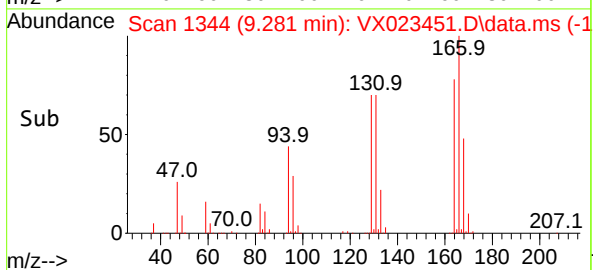
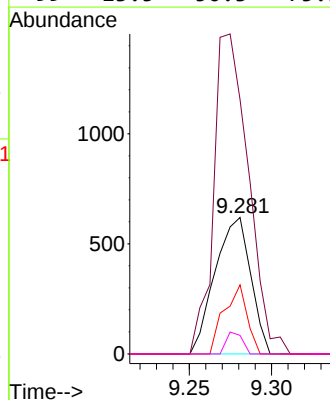
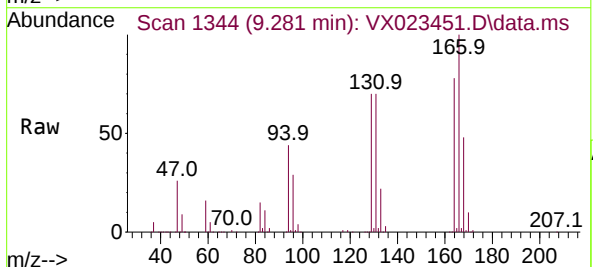
Instrument :
MSVOA_X
ClientSampled :

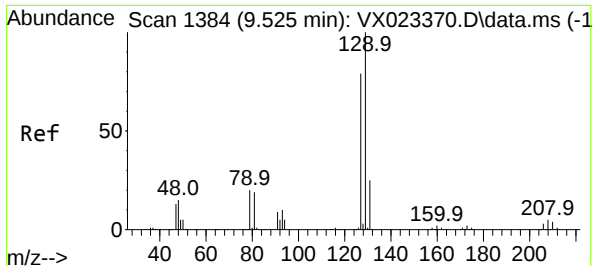
Tgt Ion: 98 Resp: 342908
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 0.48 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.122 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Tgt Ion: 97 Resp: 932
Ion Ratio Lower Upper
97 100
83 186.5 69.3 103.9#
85 50.6 44.3 66.5
99 13.5 50.3 75.5#

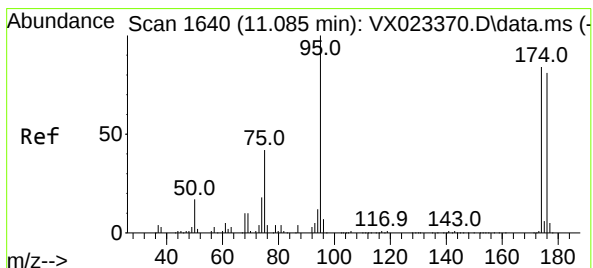
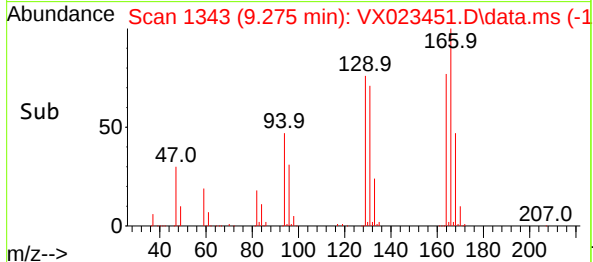
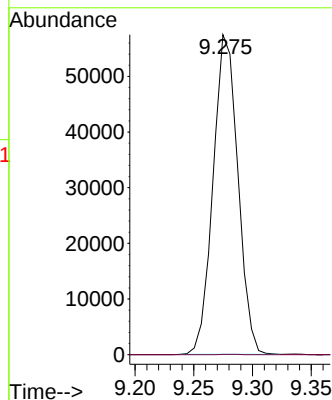
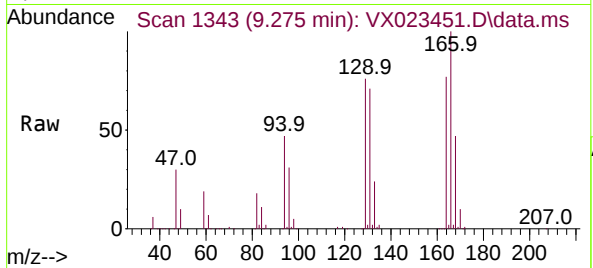




#60
Dibromochloromethane
Concen: 40.01 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

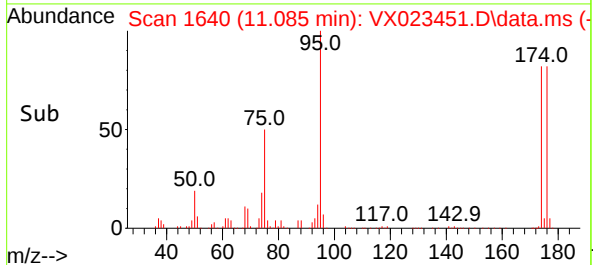
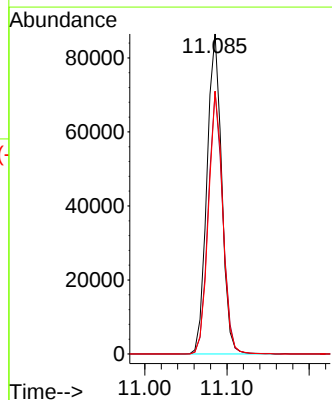
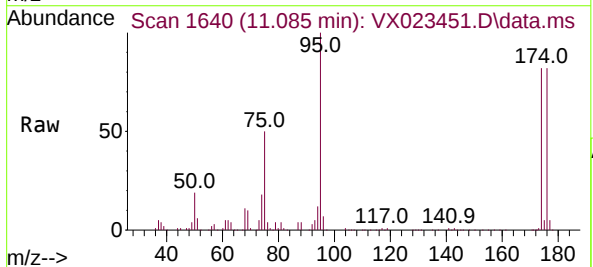
Instrument :
MSVOA_X
ClientSampled :

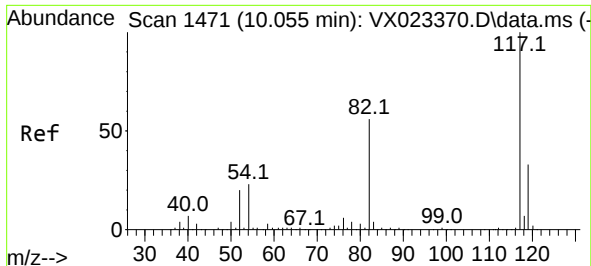
Tgt Ion:129 Resp: 84502
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 48.19 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Tgt Ion: 95 Resp: 107713
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 79.8 0.0 155.8

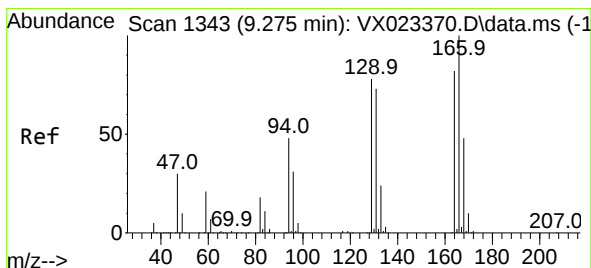
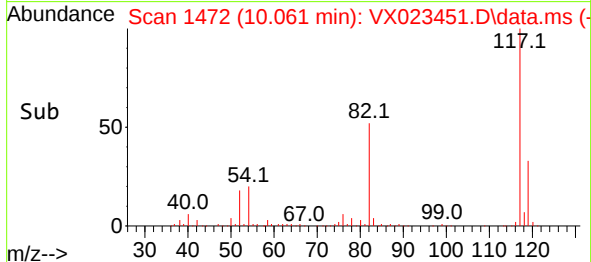
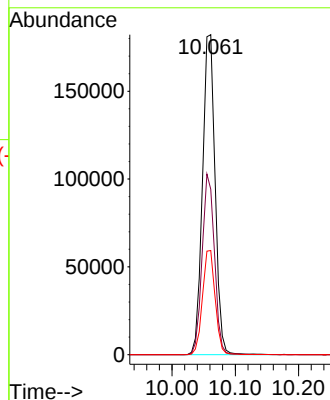
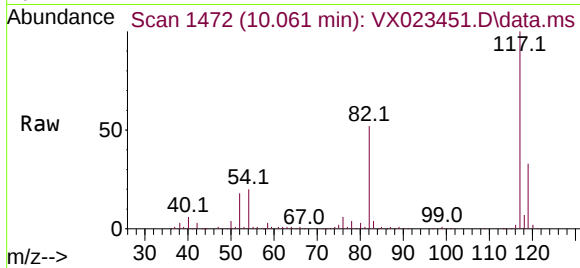




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

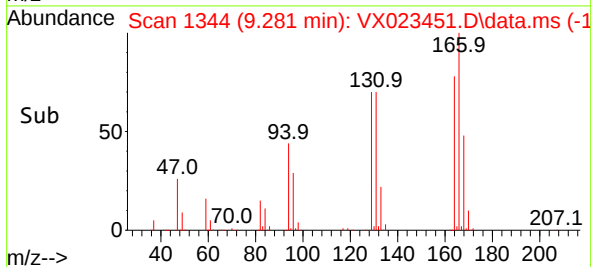
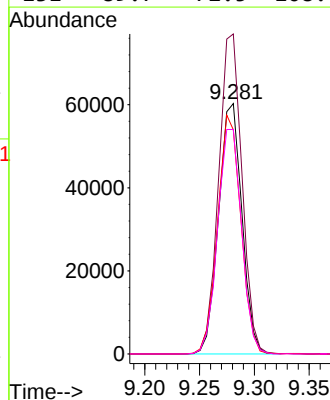
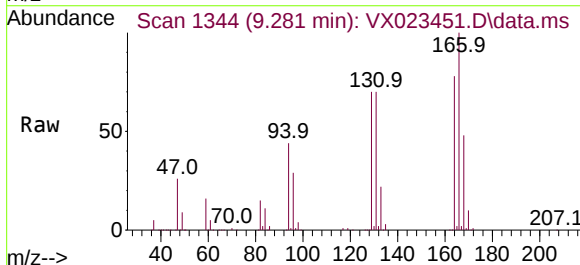
Instrument :
MSVOA_X
ClientSampleId :

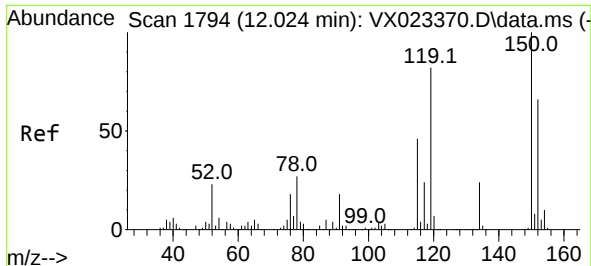
Tgt Ion:117 Resp: 254023
Ion Ratio Lower Upper
117 100
82 51.7 47.4 71.2
119 32.6 26.6 39.8



#64
Tetrachloroethene
Concen: 44.17 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Tgt Ion:164 Resp: 89303
Ion Ratio Lower Upper
164 100
166 127.8 103.4 155.2
129 89.5 70.8 106.2
131 89.7 72.5 108.7

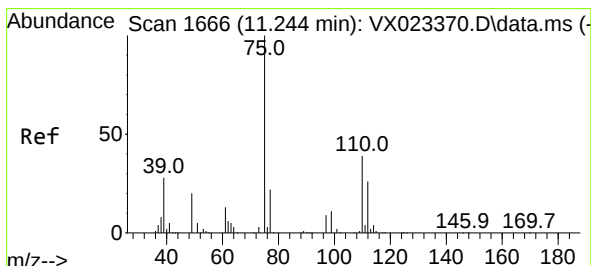
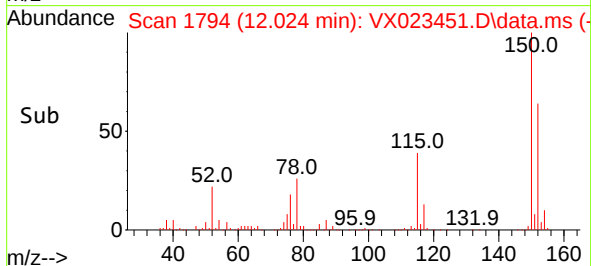
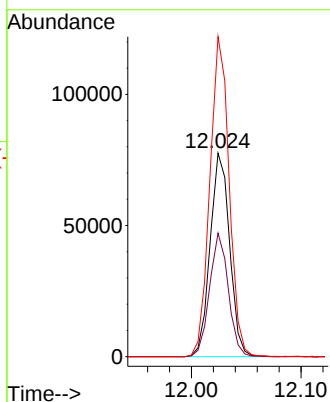
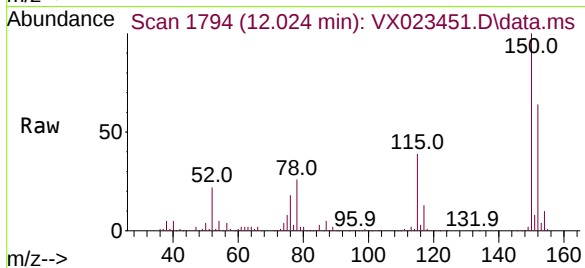




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023451.D
 Acq: 26 Jul 2021 15:14

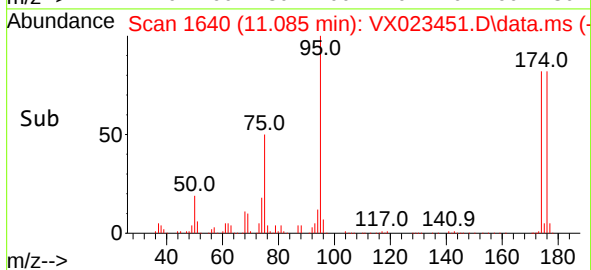
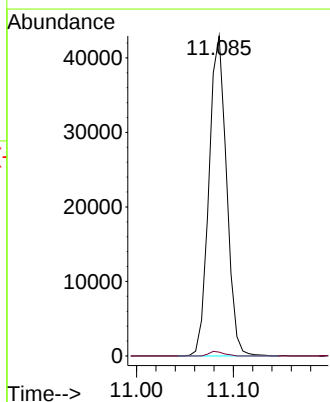
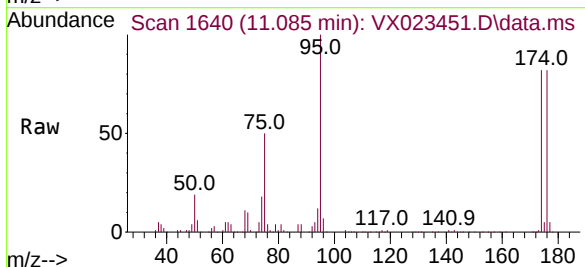
Instrument :
 MSVOA_X
 ClientSampled :

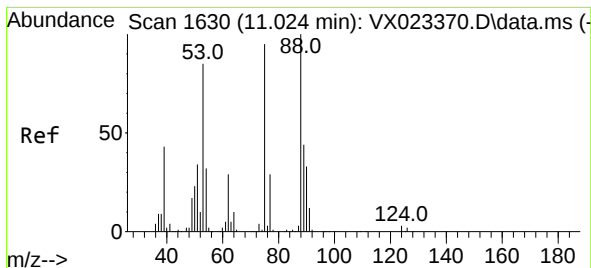
Tgt Ion:152 Resp: 95841
 Ion Ratio Lower Upper
 152 100
 115 58.4 41.1 123.3
 150 155.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.75 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023451.D
 Acq: 26 Jul 2021 15:14

Tgt Ion: 75 Resp: 54313
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

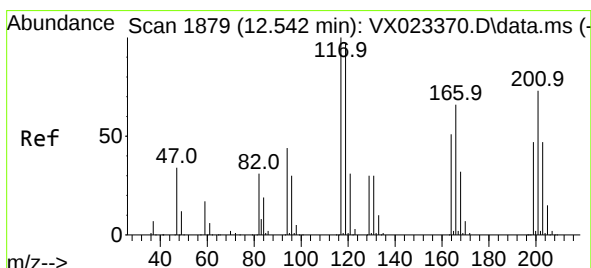
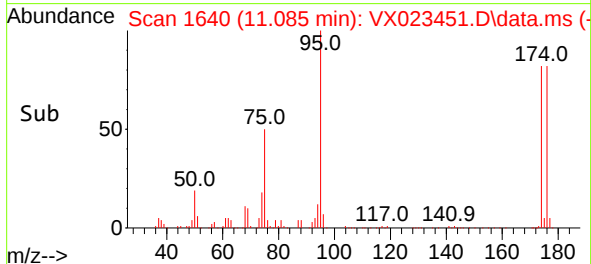
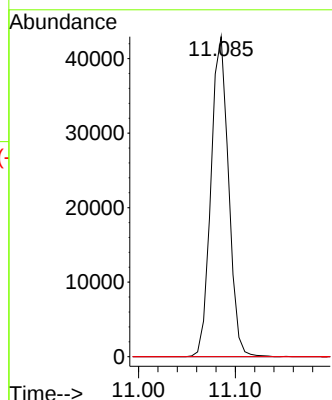
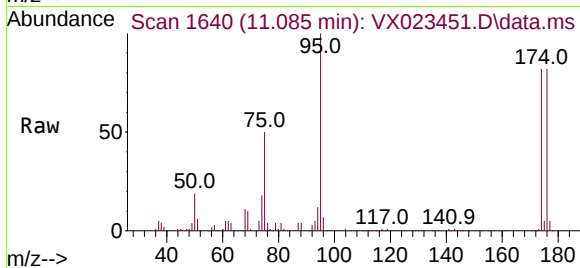




#81
trans-1,4-Dichloro-2-butene
Concen: 69.24 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 54313
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 3.07 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX023451.D
Acq: 26 Jul 2021 15:14

Tgt Ion: 117 Resp: 1318
Ion Ratio Lower Upper
117 100
201 70.6 40.4 121.2

