

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082321\
 Data File : VX023914.D
 Acq On : 23 Aug 2021 21:35
 Operator : JC/MD
 Sample : M3520-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 07:17:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

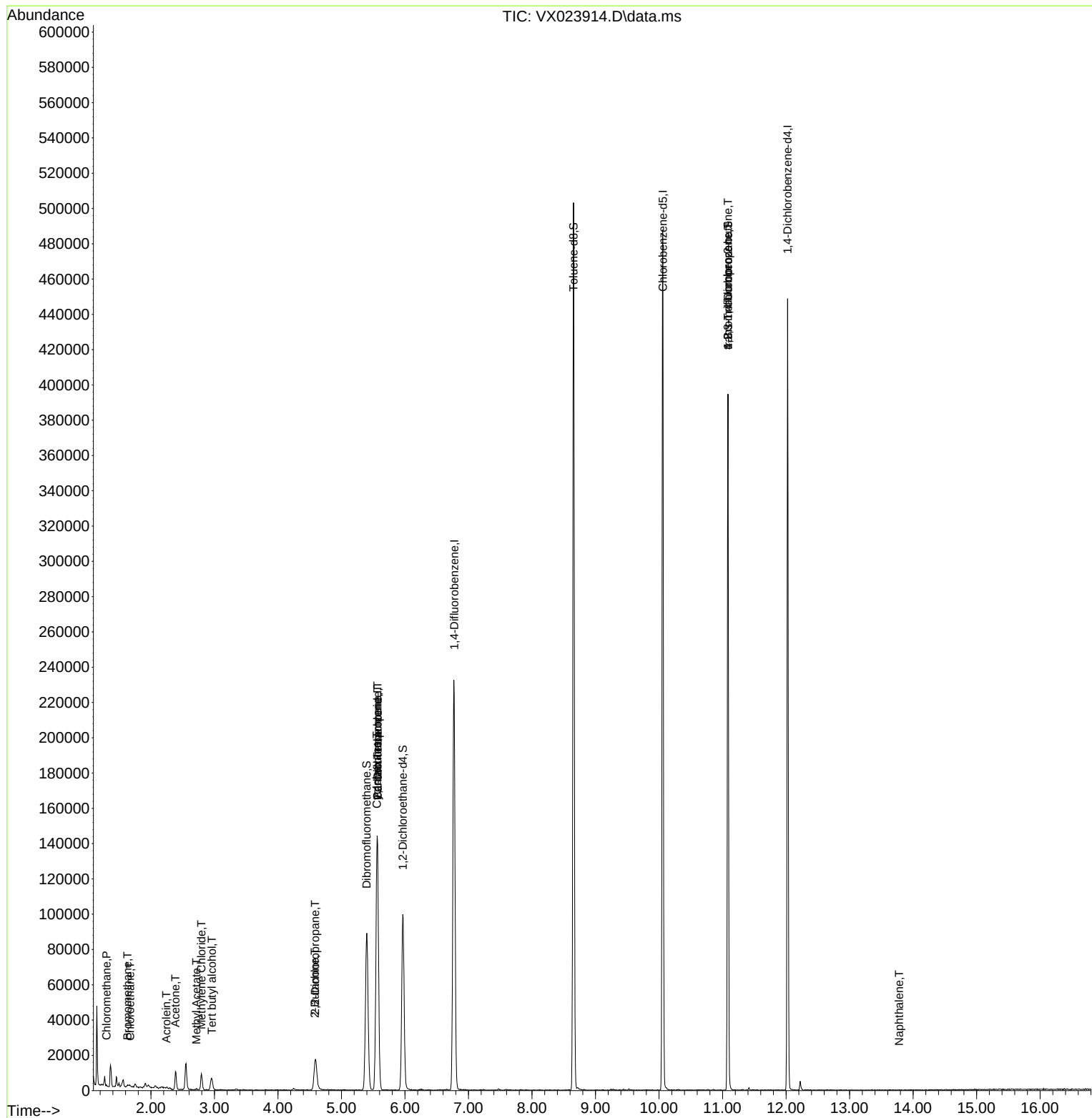
Internal Standards						
1) Pentafluorobenzene	5.568	168	134386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	232423	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	216571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97266	51.859	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 103.720%		
35) Dibromofluoromethane	5.397	113	76180	49.521	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.040%		
50) Toluene-d8	8.653	98	285765	48.807	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.620%		
62) 4-Bromofluorobenzene	11.085	95	97969	45.453	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 90.900%		
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	608	0.391	ug/l	100
5) Bromomethane	1.629	94	625	0.655	ug/l	97
6) Chloroethane	1.672	64	38	2.246	ug/l #	43
11) Tert butyl alcohol	2.958	59	4655	12.272	ug/l #	73
13) Acrolein	2.239	56	76	0.337	ug/l	88
16) Acetone	2.385	43	11071	13.201	ug/l #	83
18) Methyl Acetate	2.715	43	521	0.249	ug/l #	58
20) Methylene Chloride	2.794	84	3829	2.390	ug/l	86
25) 2-Butanone	4.580	43	3724	2.932	ug/l	97
26) 2,2-Dichloropropane	4.586	77	1122	0.519	ug/l #	52
31) Cyclohexane	5.556	56	3087	1.281	ug/l #	13
36) 1,1-Dichloropropene	5.568	75	11288	5.244	ug/l #	50
38) Carbon Tetrachloride	5.568	117	13945	6.213	ug/l #	15
76) 1,2,3-Trichloropropane	11.085	75	52821	25.722	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	52821	75.662	ug/l #	12
95) Naphthalene	13.780	128	181	1.310	ug/l #	69

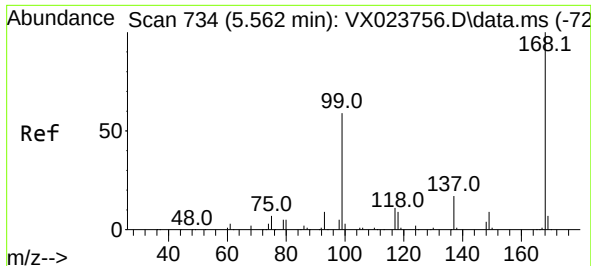
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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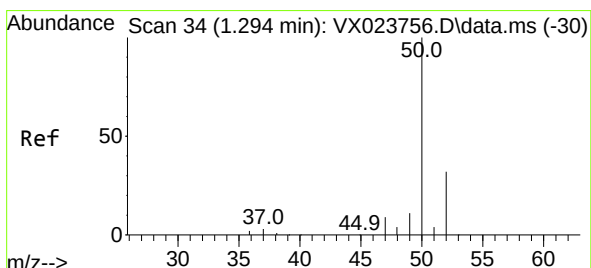
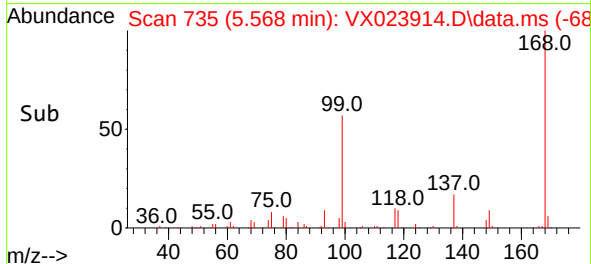
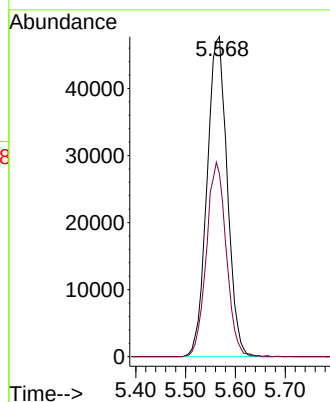
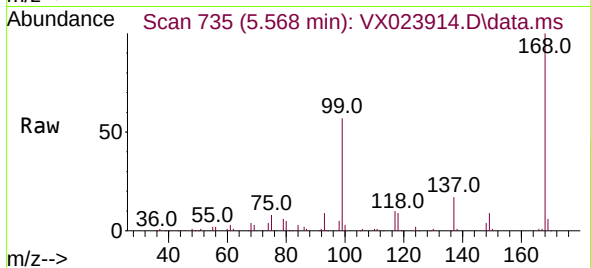




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

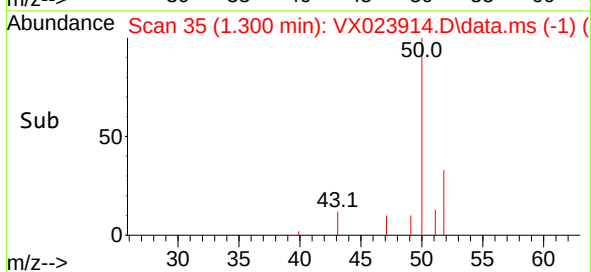
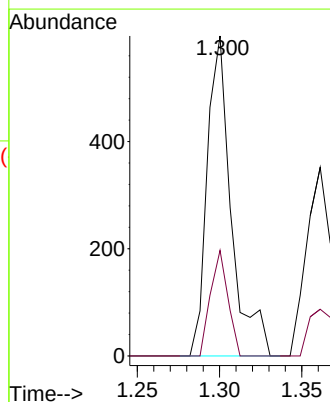
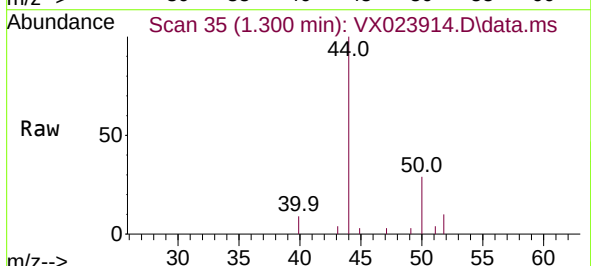
Instrument :
MSVOA_X
ClientSampled :

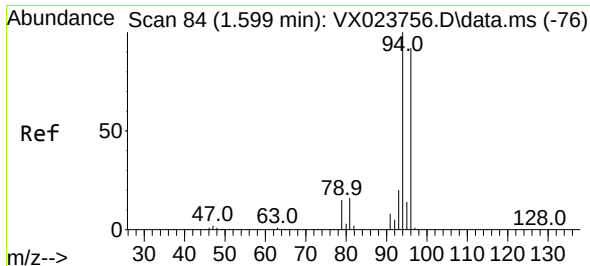
Tgt Ion:168 Resp: 134386
Ion Ratio Lower Upper
168 100
99 57.2 45.8 68.6



#3
Chloromethane
Concen: 0.391 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

Tgt Ion: 50 Resp: 608
Ion Ratio Lower Upper
50 100
52 33.0 26.4 39.6

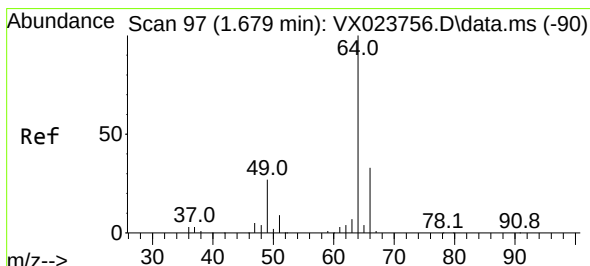
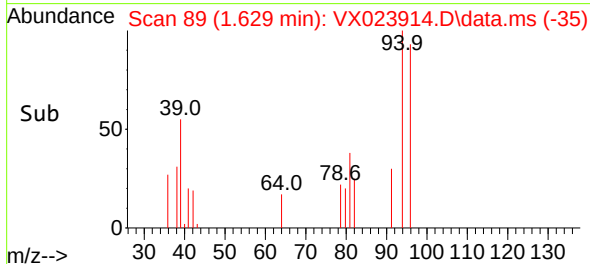
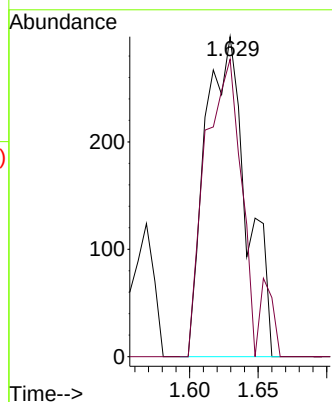
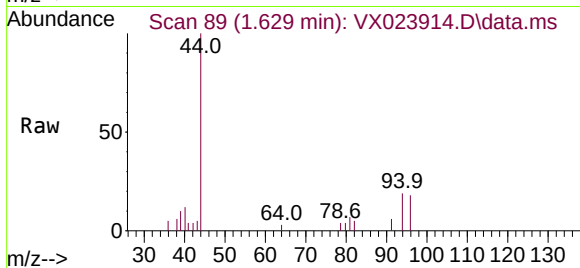




#5
Bromomethane
Concen: 0.655 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.030 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

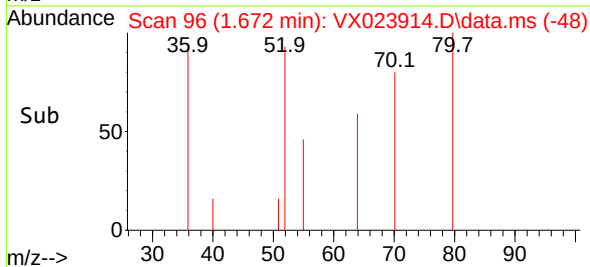
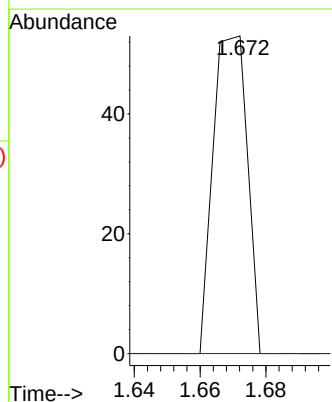
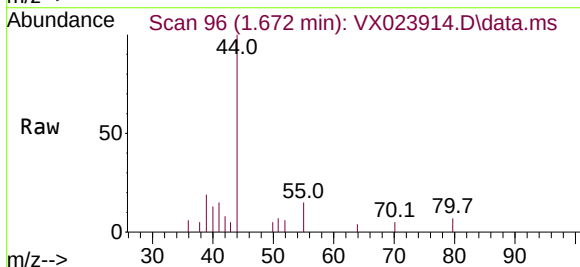
Instrument :
MSVOA_X
ClientSampled :

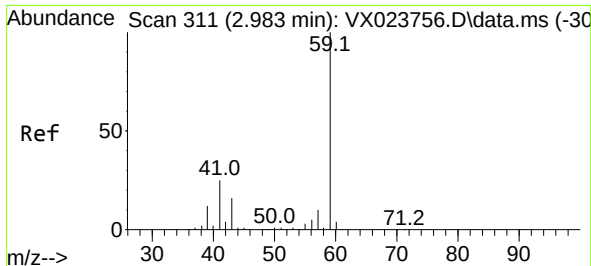
Tgt Ion: 94 Resp: 625
Ion Ratio Lower Upper
94 100
96 93.0 76.4 114.6



#6
Chloroethane
Concen: 2.246 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

Tgt Ion: 64 Resp: 38
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



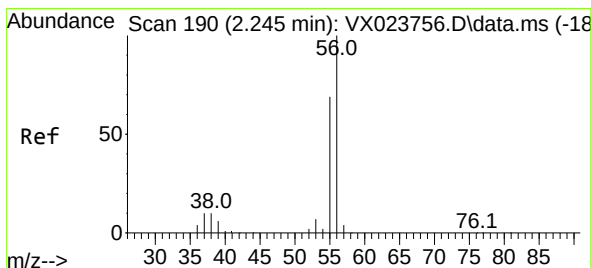
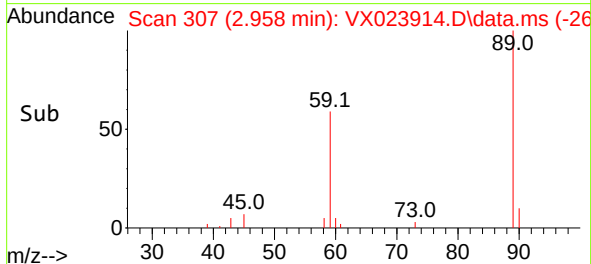
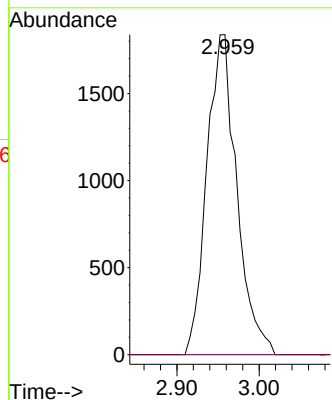
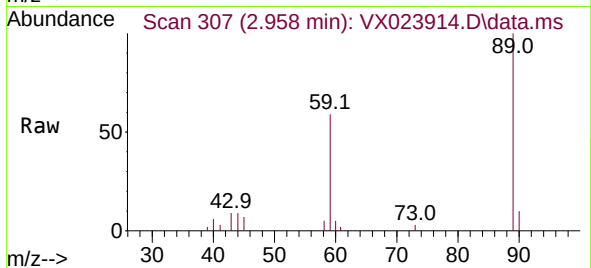


#11

Tert butyl alcohol
Concen: 12.272 ug/l
RT: 2.958 min Scan# 307
Delta R.T. -0.025 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

Instrument :
MSVOA_X
ClientSampleId :

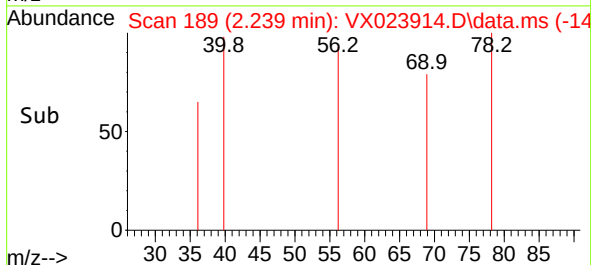
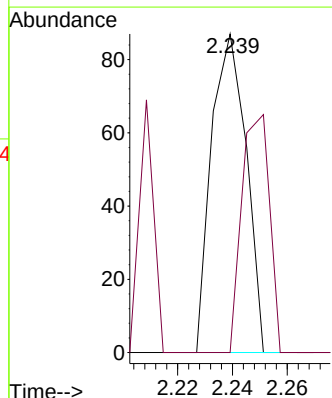
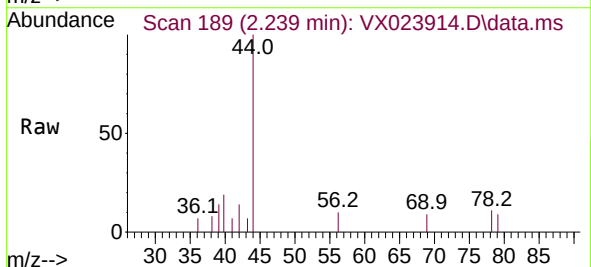
Tgt Ion: 59 Resp: 4655
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

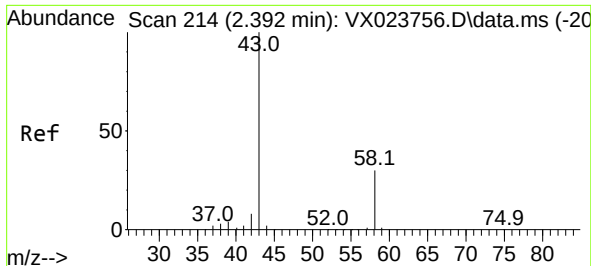


#13

Acrolein
Concen: 0.337 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
55 60.5 56.4 84.6

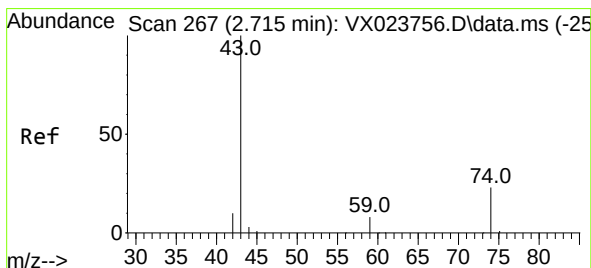
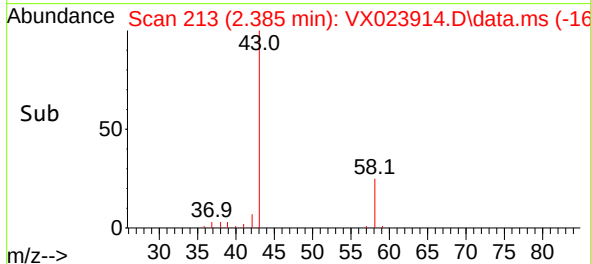
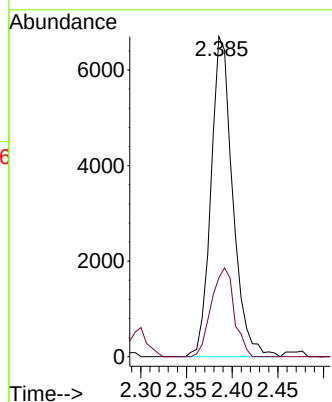
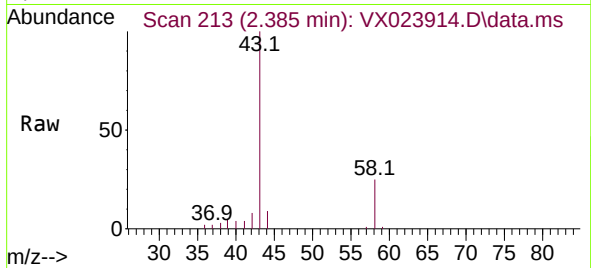




#16
Acetone
Concen: 13.201 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

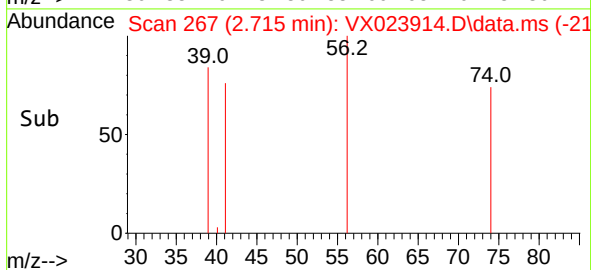
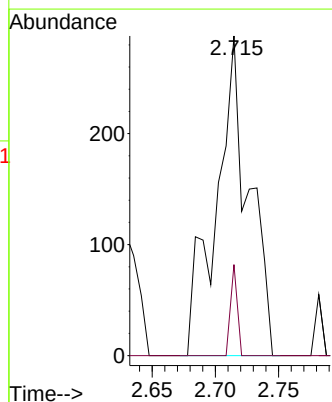
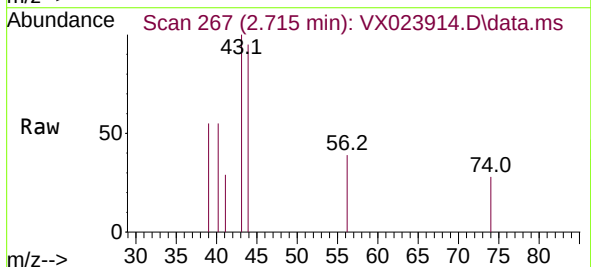
Instrument :
MSVOA_X
ClientSampled :

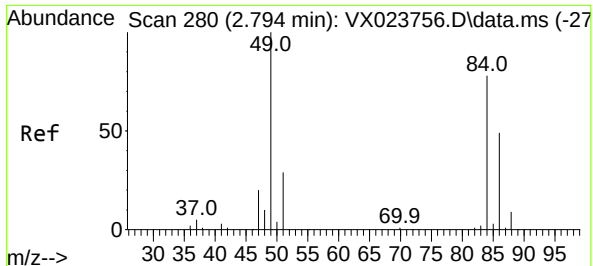
Tgt Ion: 43 Resp: 11071
Ion Ratio Lower Upper
43 100
58 24.7 27.8 41.8#



#18
Methyl Acetate
Concen: 0.249 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

Tgt Ion: 43 Resp: 521
Ion Ratio Lower Upper
43 100
74 5.8 21.9 32.9#





#20

Methylene Chloride

Concen: 2.390 ug/l

RT: 2.794 min Scan# 280

Delta R.T. -0.000 min

Lab File: VX023914.D

Acq: 23 Aug 2021 21:35

Tgt Ion: 84 Resp: 3829

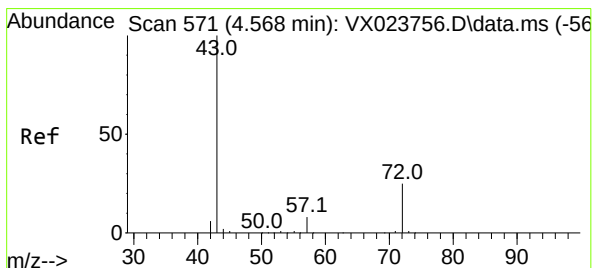
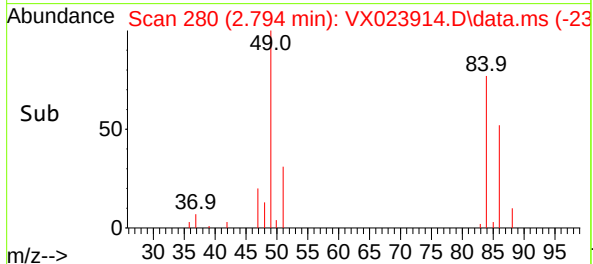
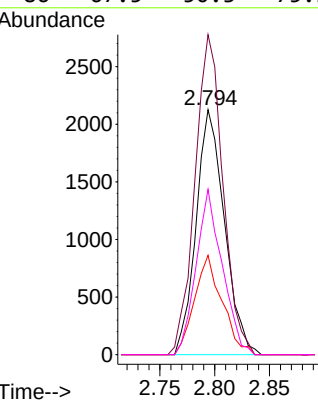
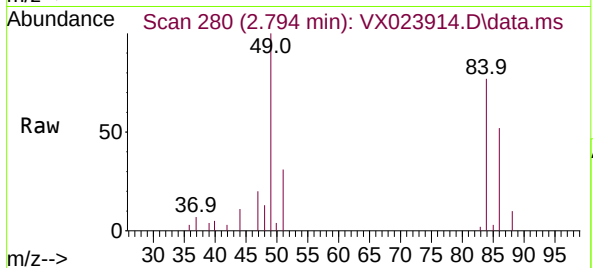
Ion Ratio Lower Upper

84 100

49 130.6 88.6 132.8

51 40.5 27.0 40.6

86 67.5 50.3 75.5



#25

2-Butanone

Concen: 2.932 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023914.D

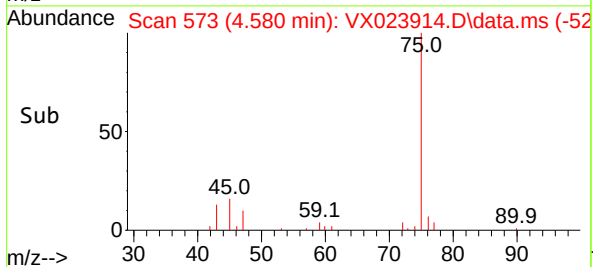
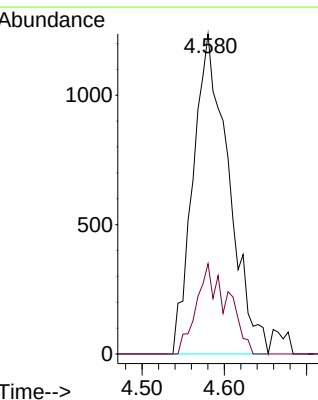
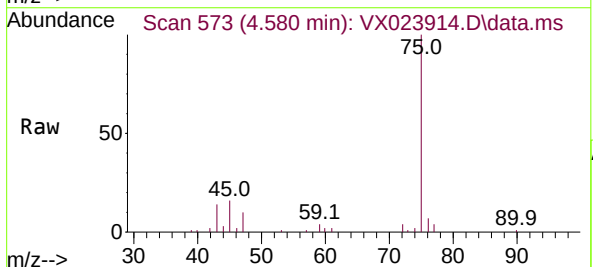
Acq: 23 Aug 2021 21:35

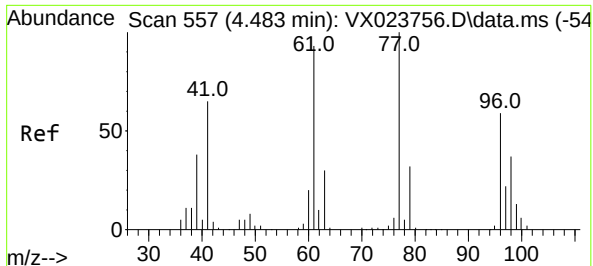
Tgt Ion: 43 Resp: 3724

Ion Ratio Lower Upper

43 100

72 28.2 23.7 35.5





#26

2,2-Dichloropropane

Concen: 0.519 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.103 min

Lab File: VX023914.D

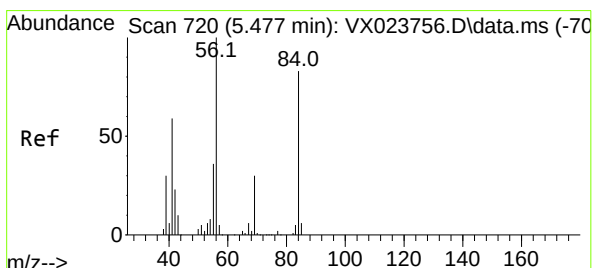
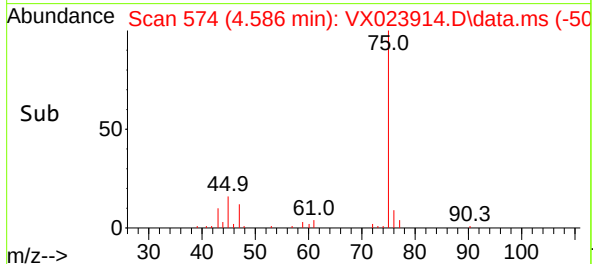
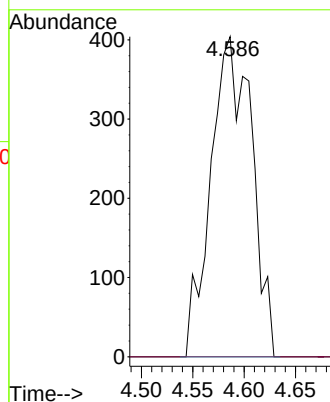
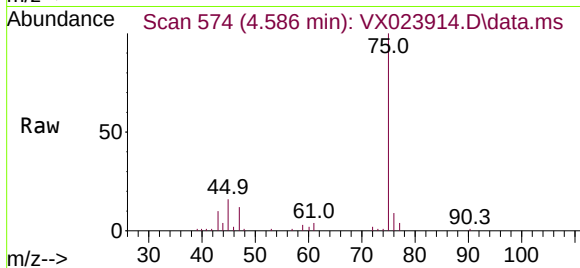
Acq: 23 Aug 2021 21:35

Tgt Ion: 77 Resp: 1122

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



#31

Cyclohexane

Concen: 1.281 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX023914.D

Acq: 23 Aug 2021 21:35

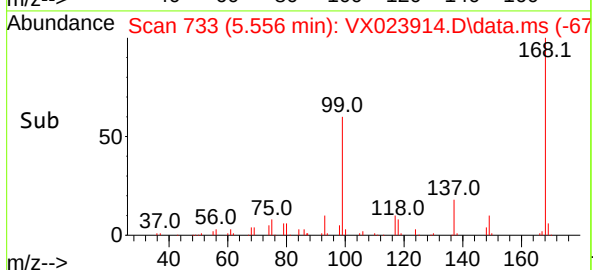
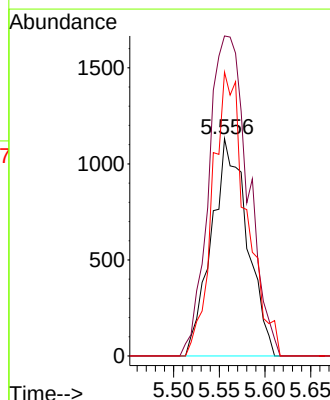
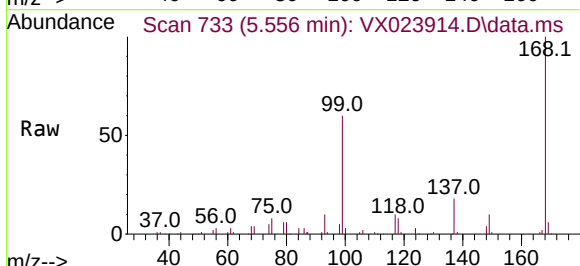
Tgt Ion: 56 Resp: 3087

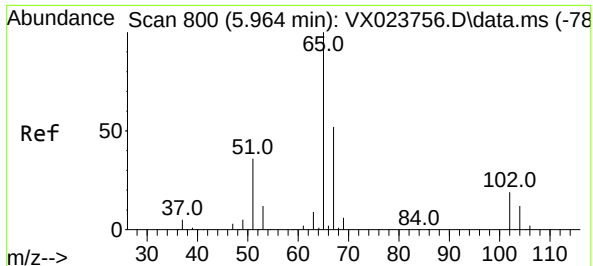
Ion Ratio Lower Upper

56 100

69 147.3 25.3 37.9#

84 130.7 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.859 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023914.D

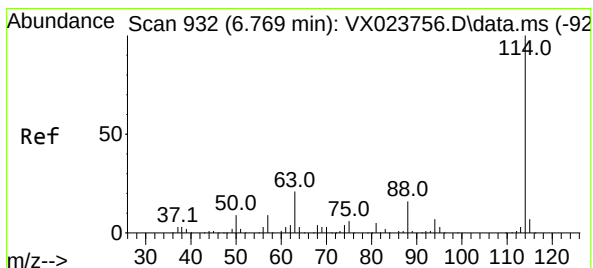
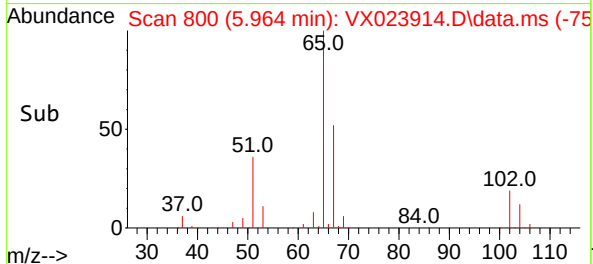
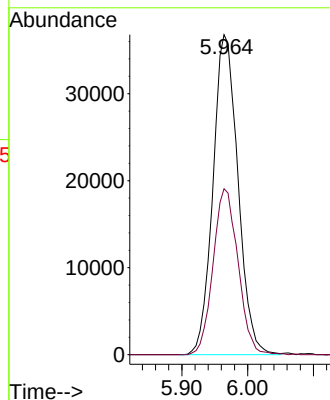
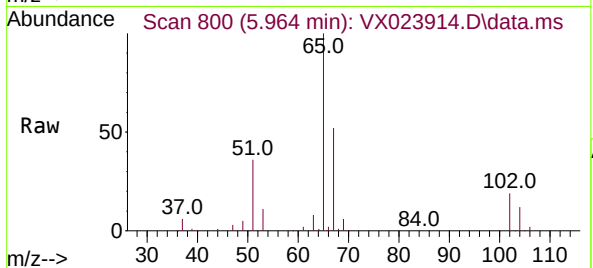
Acq: 23 Aug 2021 21:35

Tgt Ion: 65 Resp: 97266

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.006 min

Lab File: VX023914.D

Acq: 23 Aug 2021 21:35

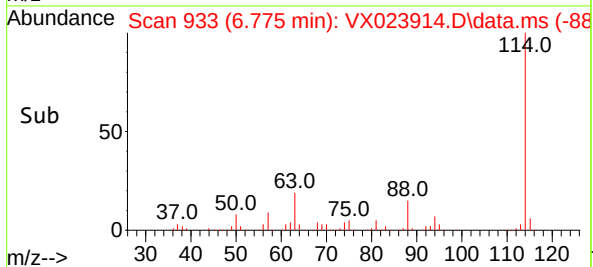
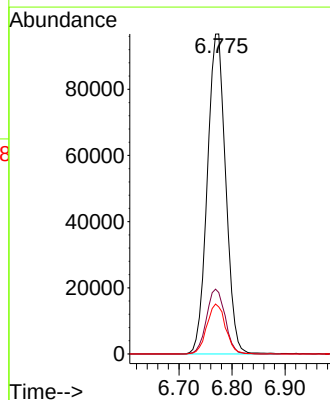
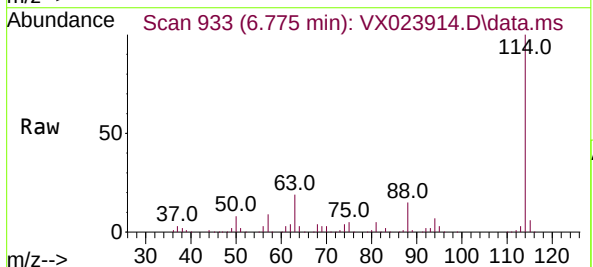
Tgt Ion: 114 Resp: 232423

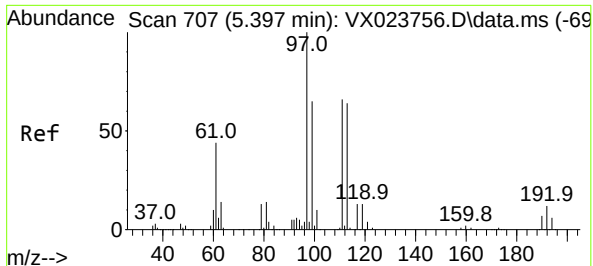
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

88 14.7 0.0 32.8

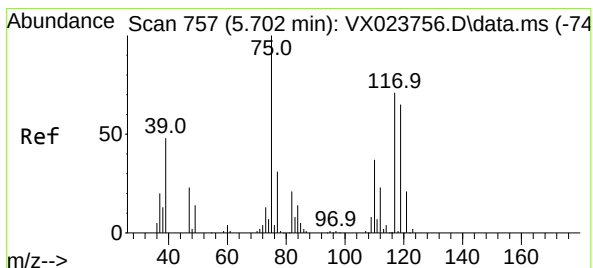
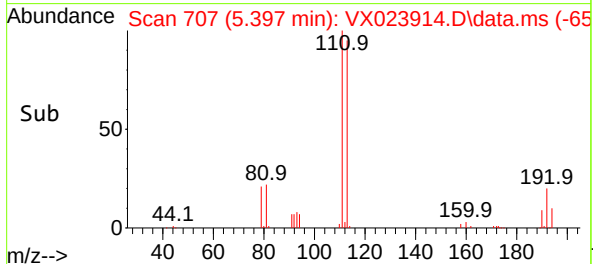
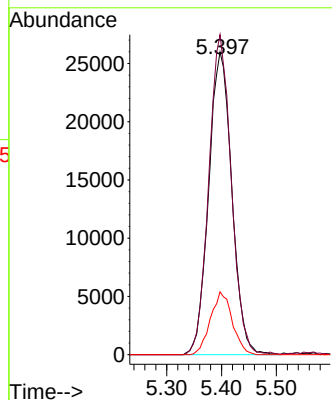
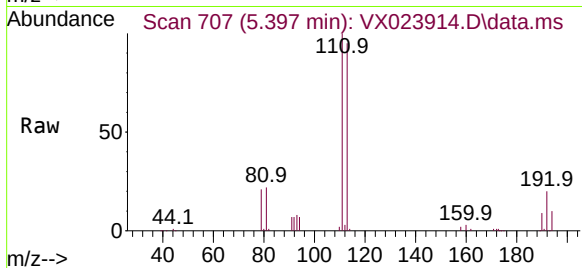




#35
Dibromofluoromethane
Concen: 49.521 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

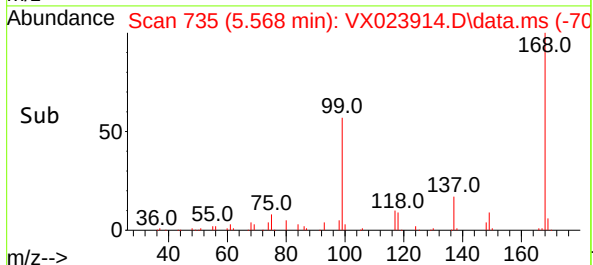
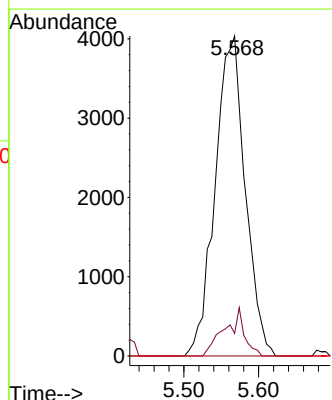
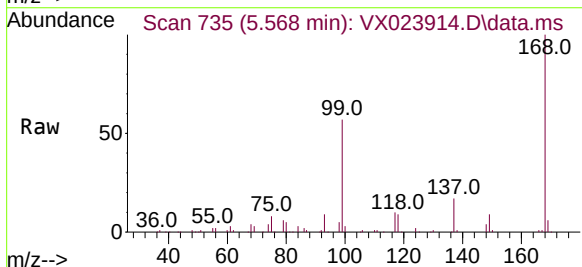
Instrument :
MSVOA_X
ClientSampleId :

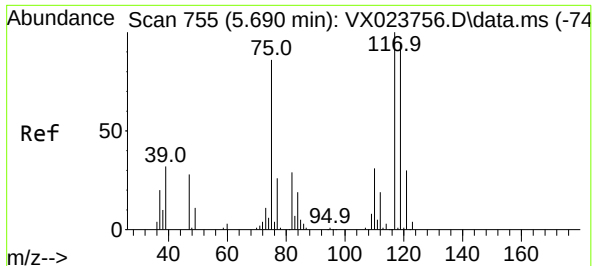
Tgt Ion:113 Resp: 76180
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 19.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.244 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

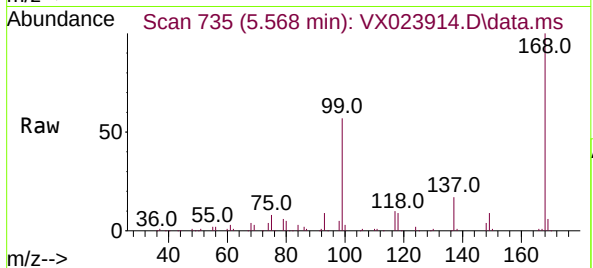
Tgt Ion: 75 Resp: 11288
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#



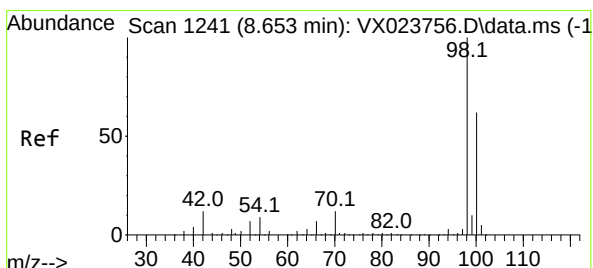
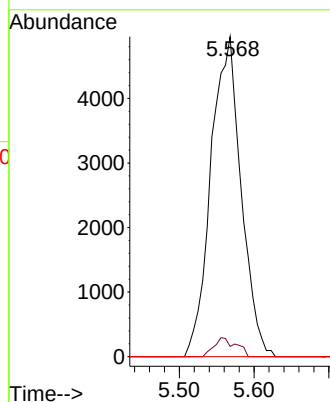
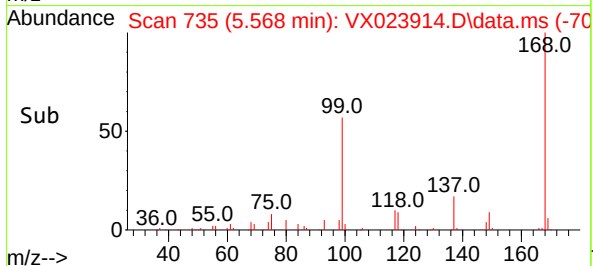


#38
Carbon Tetrachloride
Concen: 6.213 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

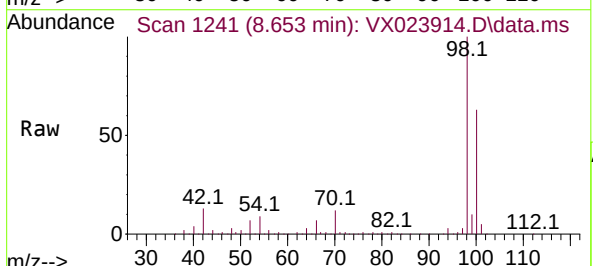
Instrument :
MSVOA_X
ClientSampled :



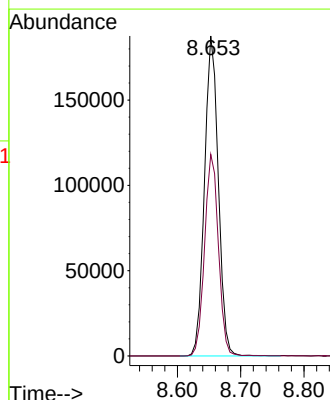
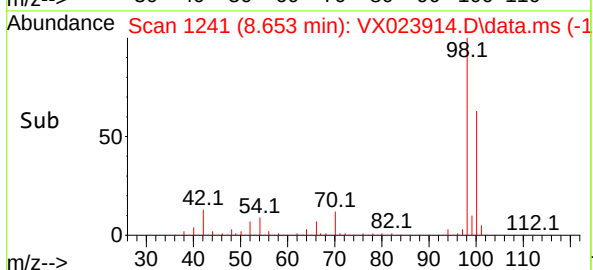
Tgt Ion:117 Resp: 13945
Ion Ratio Lower Upper
117 100
119 3.2 76.2 114.2#
121 0.0 24.8 37.2#

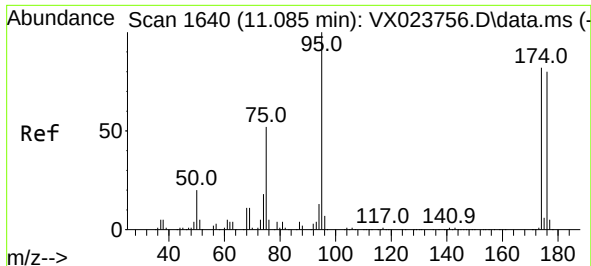


#50
Toluene-d8
Concen: 48.807 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35



Tgt Ion: 98 Resp: 285765
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

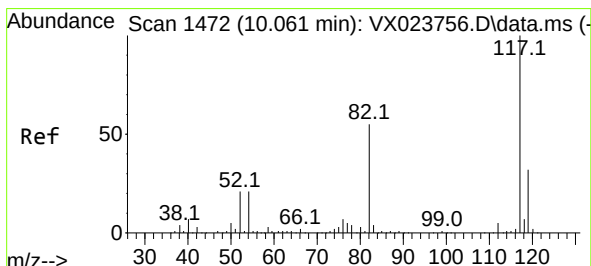
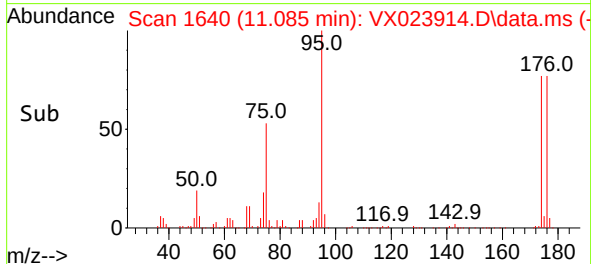
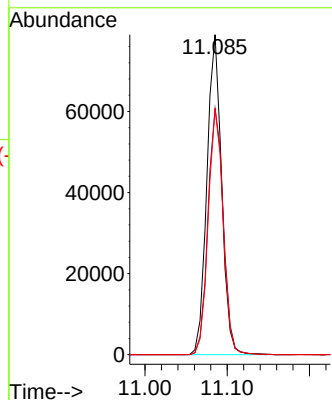
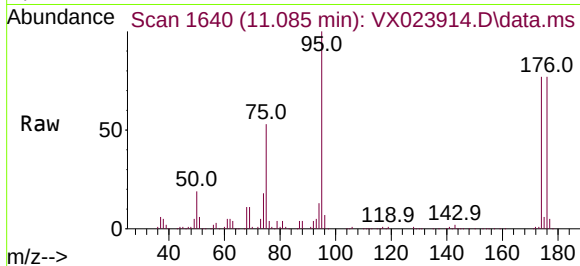




#62
4-Bromofluorobenzene
Concen: 45.453 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

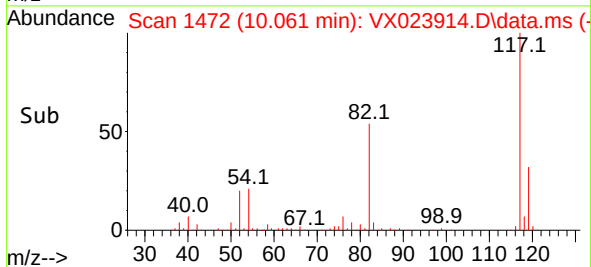
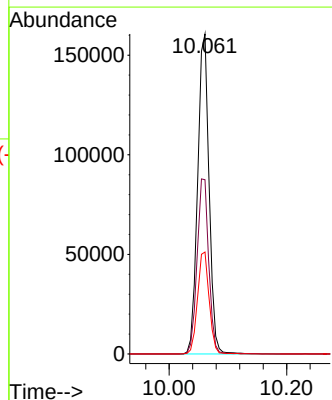
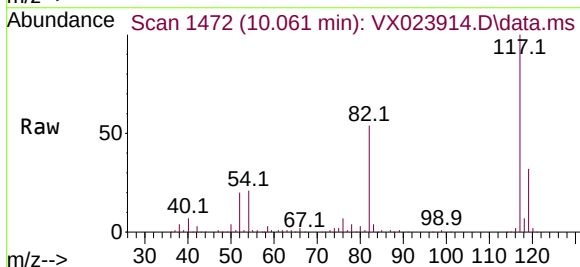
Instrument :
MSVOA_X
ClientSampleId :

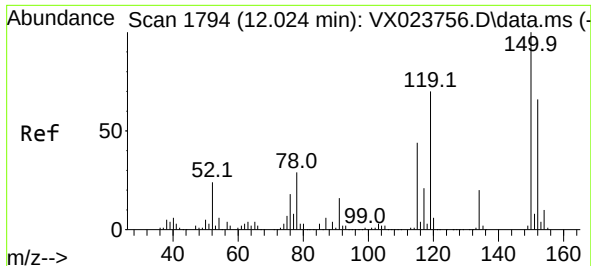
Tgt Ion: 95 Resp: 97969
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 77.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

Tgt Ion: 117 Resp: 216571
Ion Ratio Lower Upper
117 100
82 54.4 47.4 71.2
119 31.9 26.6 39.8

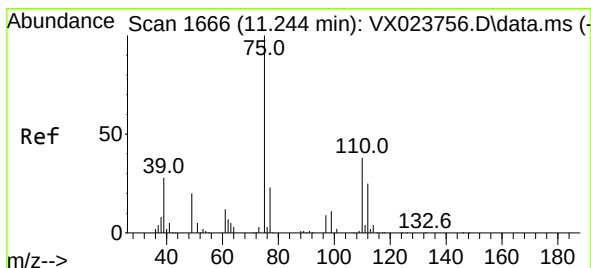
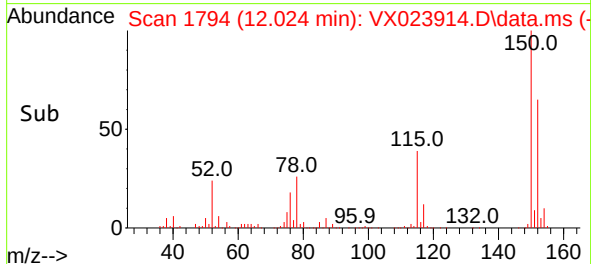
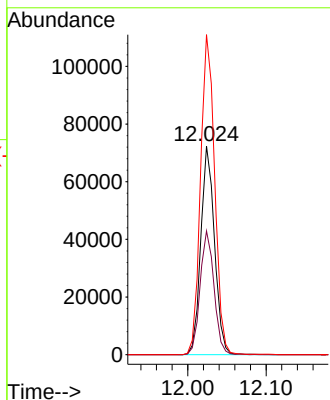
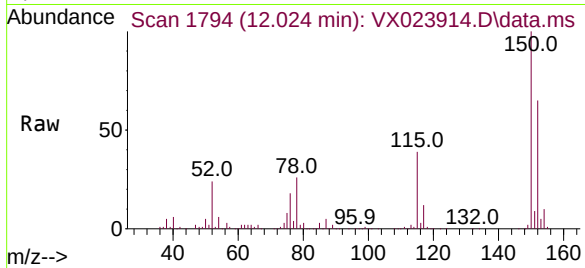




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX023914.D
 Acq: 23 Aug 2021 21:35

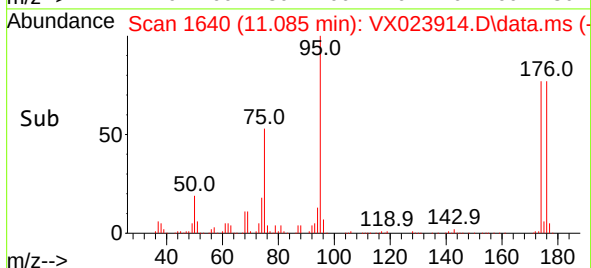
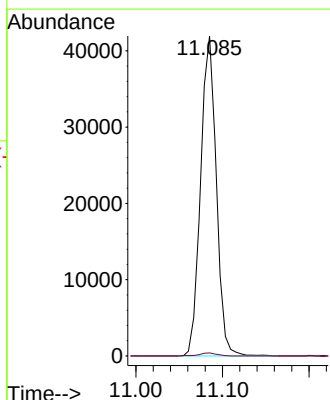
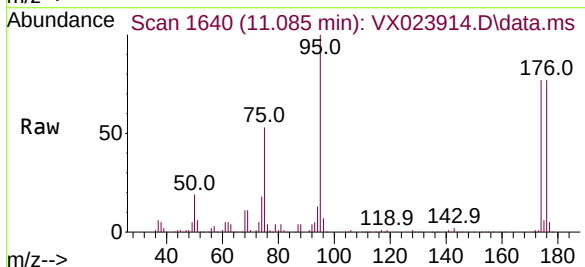
Instrument :
 MSVOA_X
 ClientSampled :

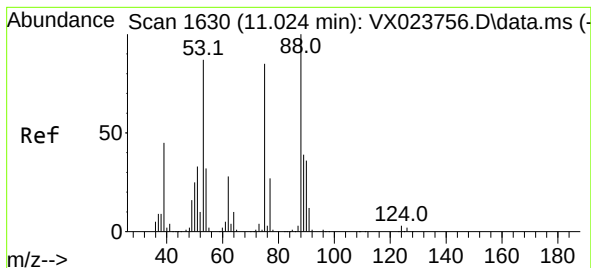
Tgt Ion:152 Resp: 88032
 Ion Ratio Lower Upper
 152 100
 115 59.9 41.1 123.3
 150 158.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.722 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023914.D
 Acq: 23 Aug 2021 21:35

Tgt Ion: 75 Resp: 52821
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

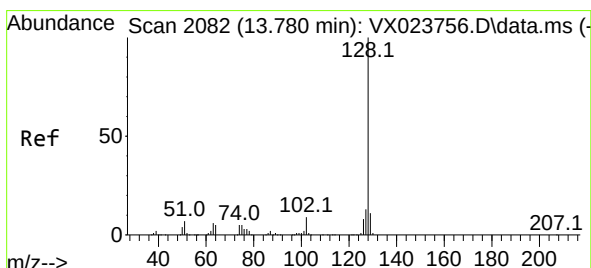
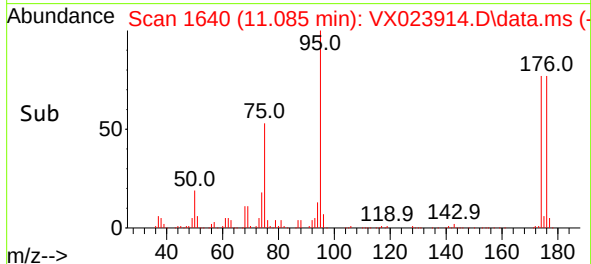
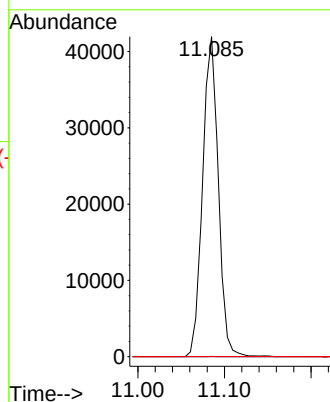
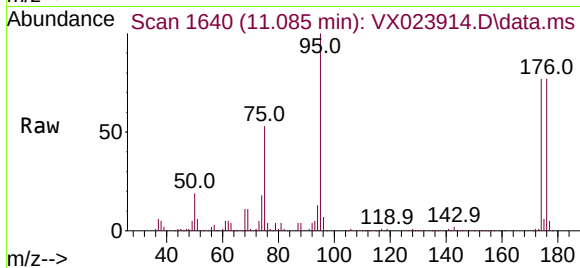




#81
trans-1,4-Dichloro-2-butene
Concen: 75.662 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 52821
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.310 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023914.D
Acq: 23 Aug 2021 21:35

Tgt Ion: 128 Resp: 181
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

