

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082221\
 Data File : VX023888.D
 Acq On : 20 Aug 2021 19:31
 Operator : JC/MD
 Sample : M3511-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 21 01:15:22 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)

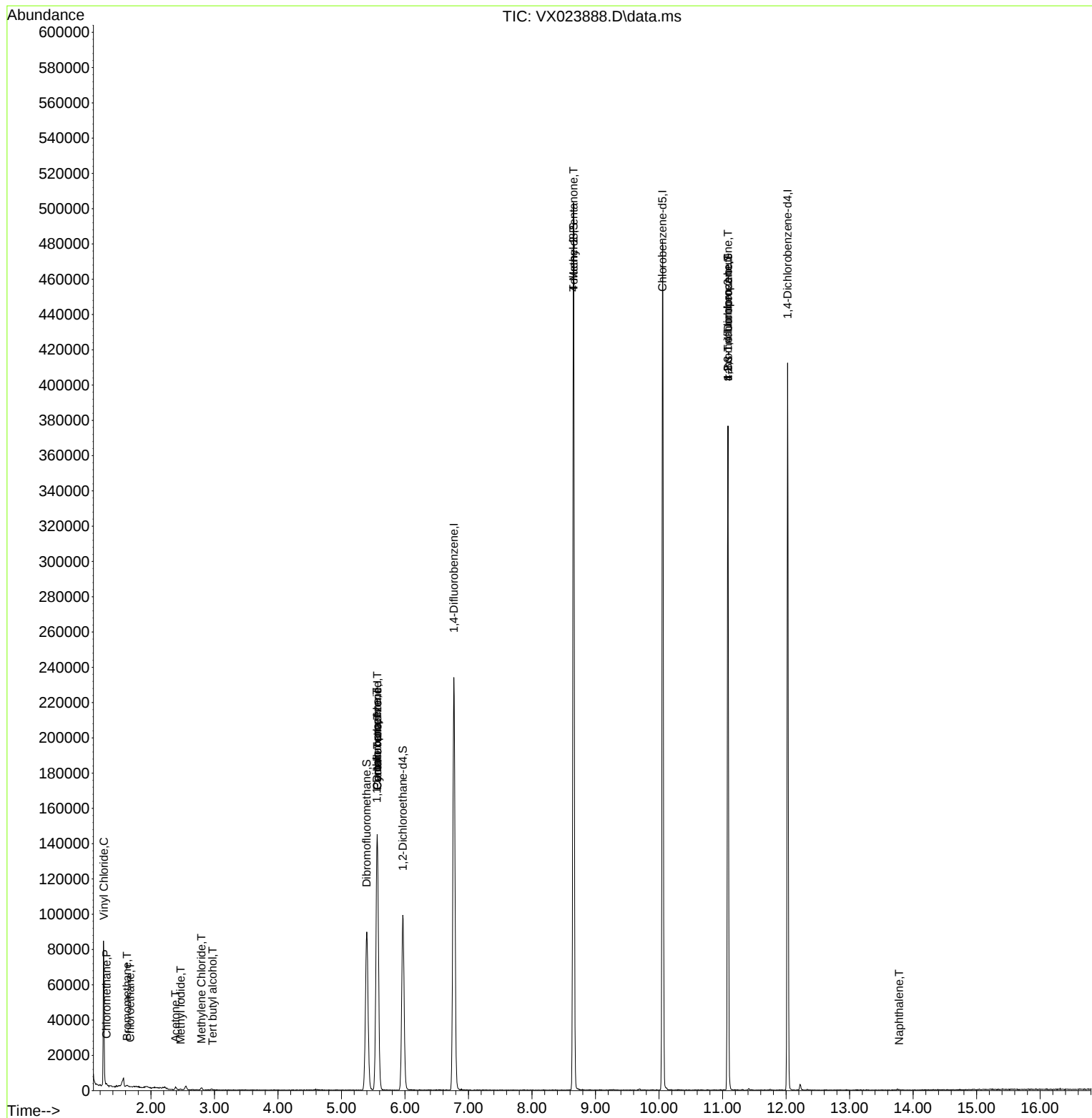
Internal Standards						
1) Pentafluorobenzene	5.562	168	135759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	231630	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96568	50.966	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.940%
35) Dibromofluoromethane	5.397	113	76676	50.014	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.020%
50) Toluene-d8	8.653	98	282948	48.491	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.980%
62) 4-Bromofluorobenzene	11.085	95	92635	43.125	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.260%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	514	0.327	ug/l	93
4) Vinyl Chloride	1.258	62	567	0.370	ug/l #	50
5) Bromomethane	1.624	94	567	0.588	ug/l #	66
6) Chloroethane	1.672	64	68	2.268	ug/l #	43
10) Methyl Iodide	2.465	142	515	0.271	ug/l #	87
11) Tert butyl alcohol	2.971	59	499	1.302	ug/l #	73
16) Acetone	2.386	43	1465	1.729	ug/l	97
20) Methylene Chloride	2.794	84	610	0.377	ug/l #	84
31) Cyclohexane	5.562	56	3186	1.309	ug/l #	41
36) 1,1-Dichloropropene	5.556	75	10995	5.126	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13946	6.235	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1563	0.586	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	49989	26.480	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	49989	77.892	ug/l #	12
95) Naphthalene	13.780	128	221	1.319	ug/l #	69

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

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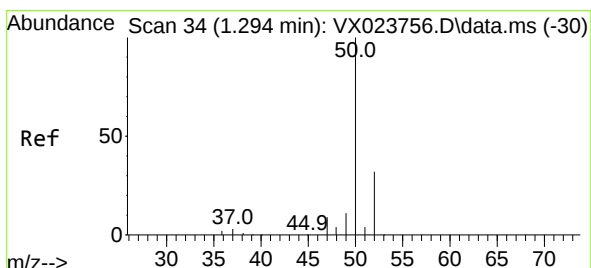
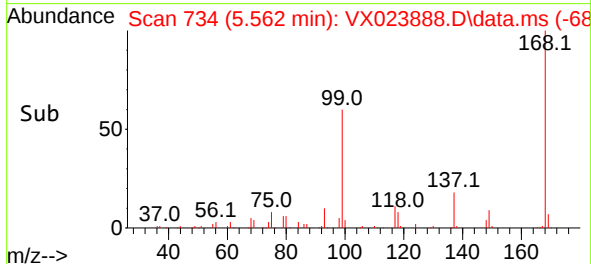
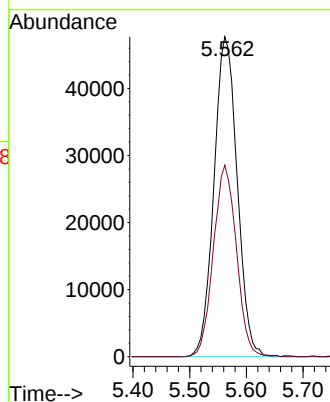
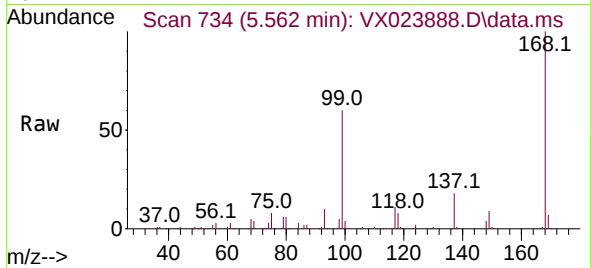




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

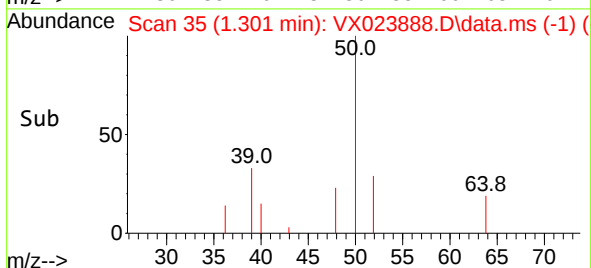
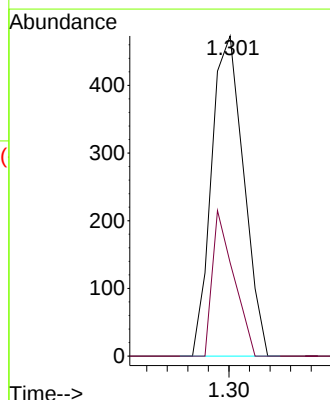
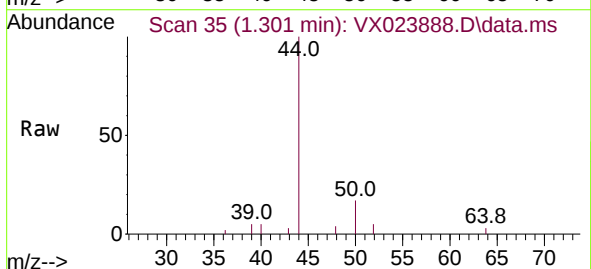
Instrument :
MSVOA_X
ClientSampled :

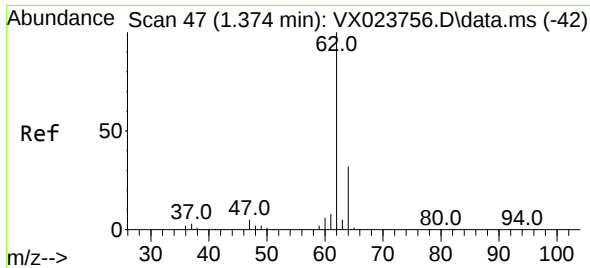
Tgt Ion:168 Resp: 135759
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6



#3
Chloromethane
Concen: 0.327 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

Tgt Ion: 50 Resp: 514
Ion Ratio Lower Upper
50 100
52 29.2 26.4 39.6

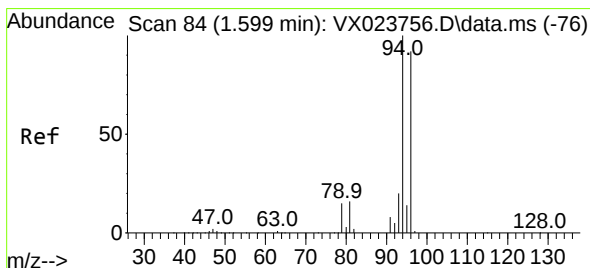
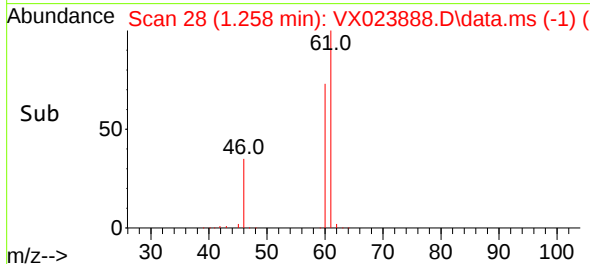
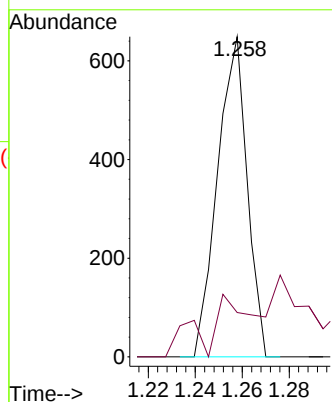
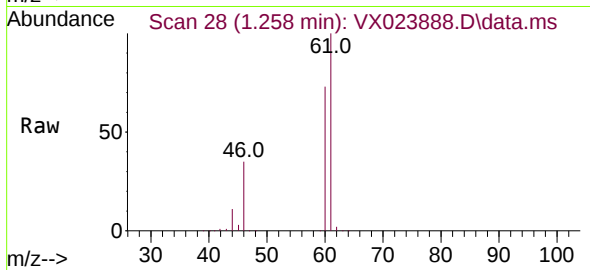




#4
 Vinyl Chloride
 Concen: 0.370 ug/l
 RT: 1.258 min Scan# 28
 Delta R.T. -0.116 min
 Lab File: VX023888.D
 Acq: 20 Aug 2021 19:31

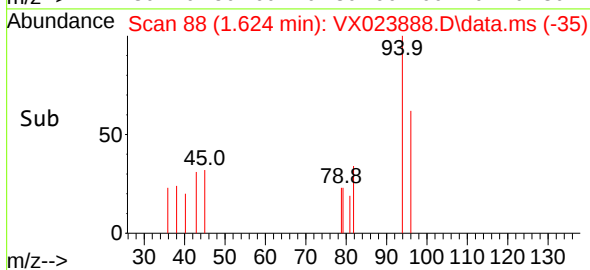
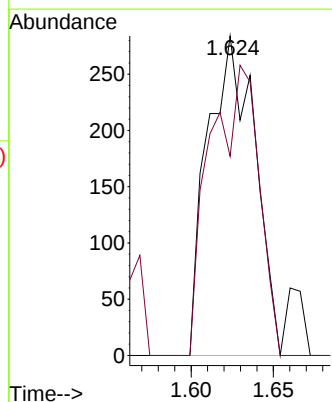
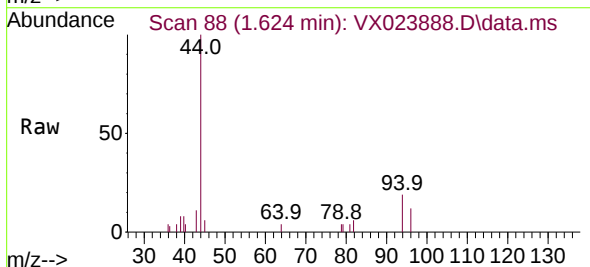
Instrument :
 MSVOA_X
 ClientSampled :

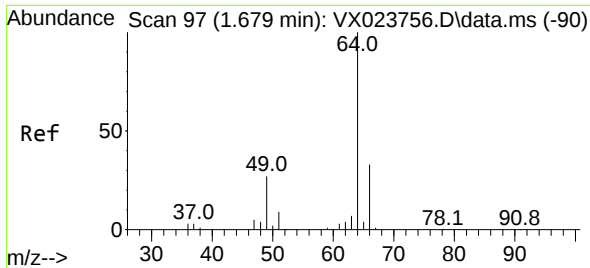
Tgt Ion: 62 Resp: 567
 Ion Ratio Lower Upper
 62 100
 64 4.2 25.7 38.5#



#5
 Bromomethane
 Concen: 0.588 ug/l
 RT: 1.624 min Scan# 88
 Delta R.T. 0.025 min
 Lab File: VX023888.D
 Acq: 20 Aug 2021 19:31

Tgt Ion: 94 Resp: 567
 Ion Ratio Lower Upper
 94 100
 96 62.3 76.4 114.6#

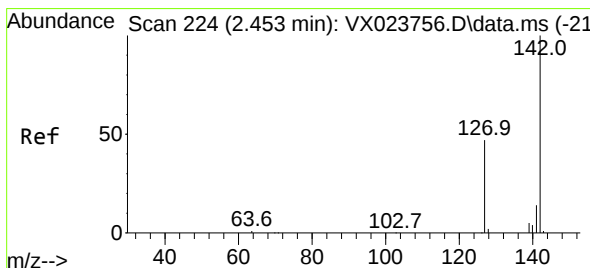
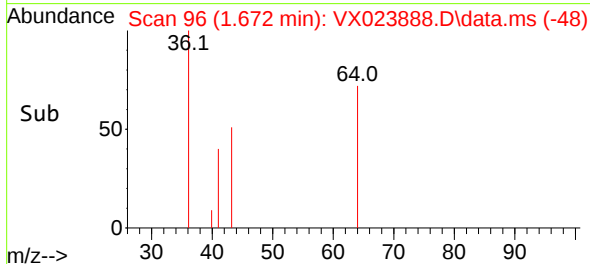
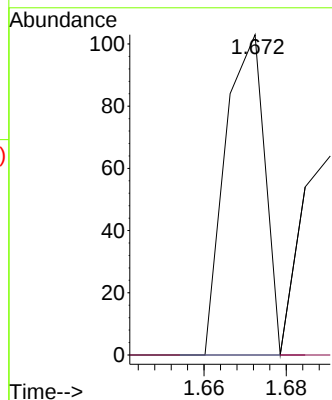
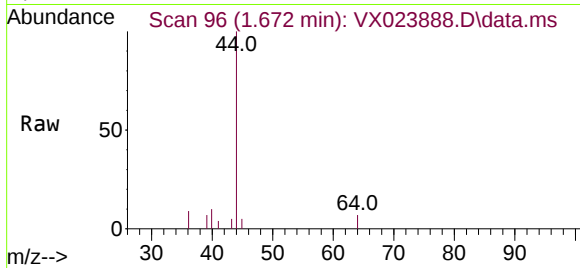




#6
Chloroethane
Concen: 2.268 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

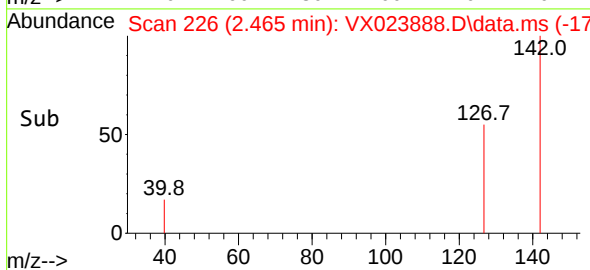
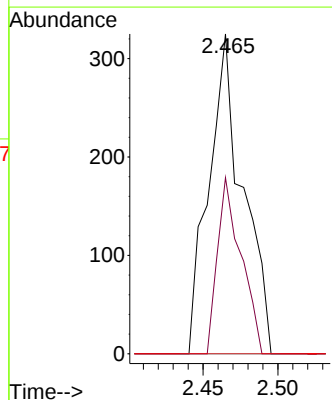
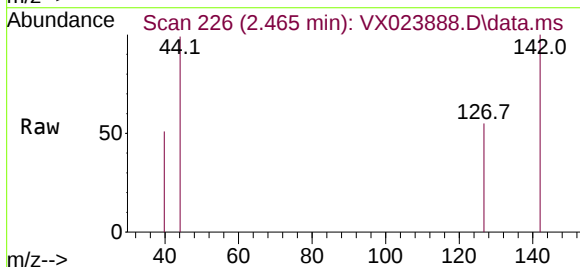
Instrument :
MSVOA_X
ClientSampled :

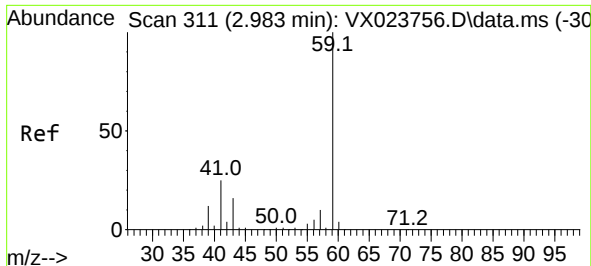
Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.271 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

Tgt Ion: 142 Resp: 515
Ion Ratio Lower Upper
142 100
127 38.1 33.3 49.9
141 0.0 11.4 17.0#



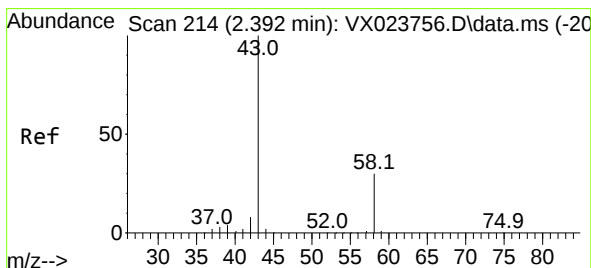
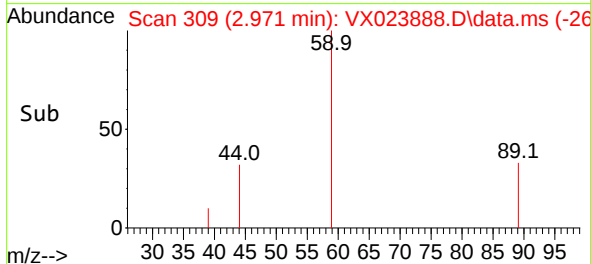
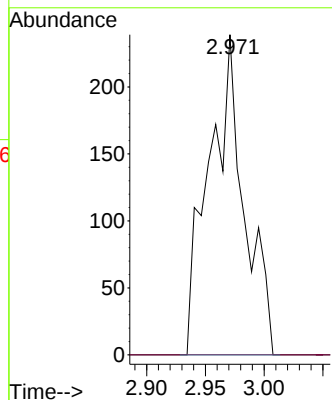
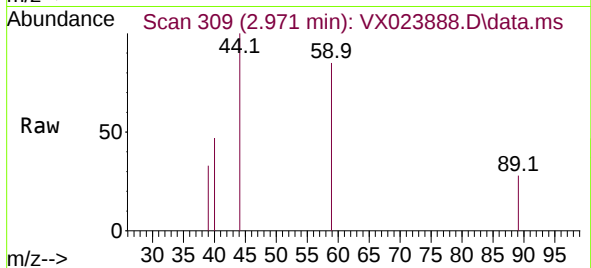


#11

Tert butyl alcohol
Concen: 1.302 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

Instrument :
MSVOA_X
ClientSampled :

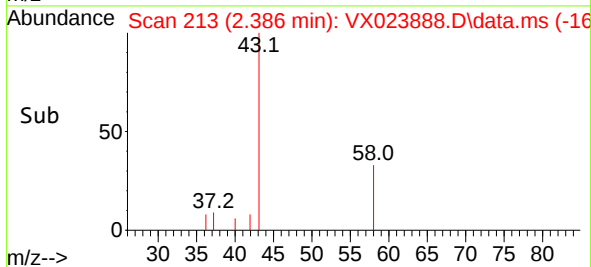
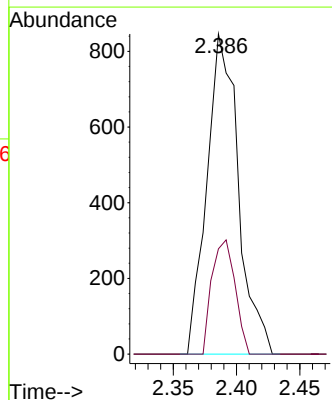
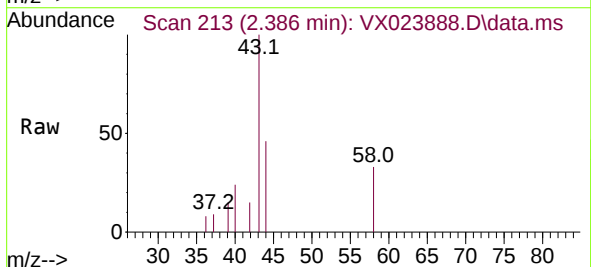
Tgt Ion: 59 Resp: 499
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

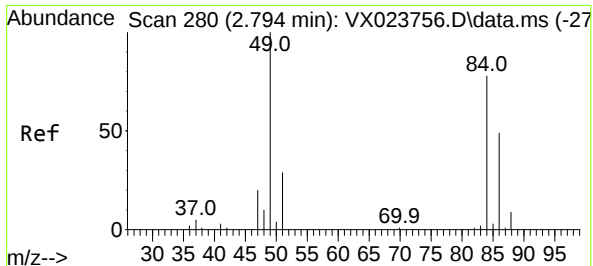


#16

Acetone
Concen: 1.729 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
58 32.9 27.8 41.8





#20

Methylene Chloride

Concen: 0.377 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023888.D

Acq: 20 Aug 2021 19:31

Tgt Ion: 84 Resp: 610

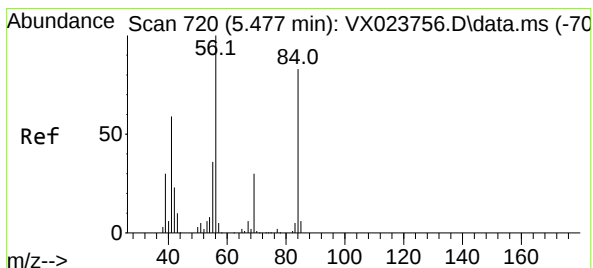
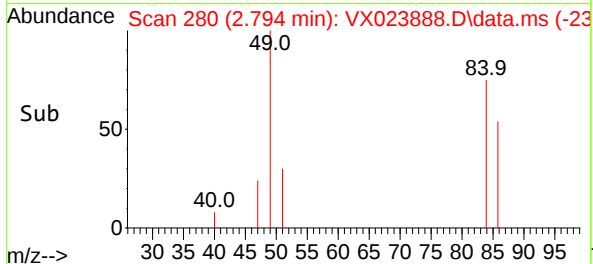
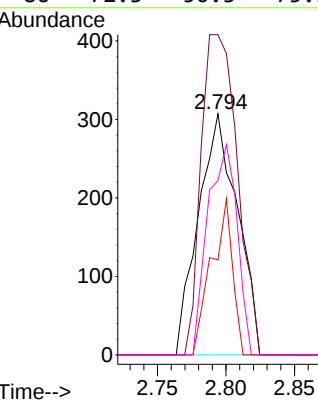
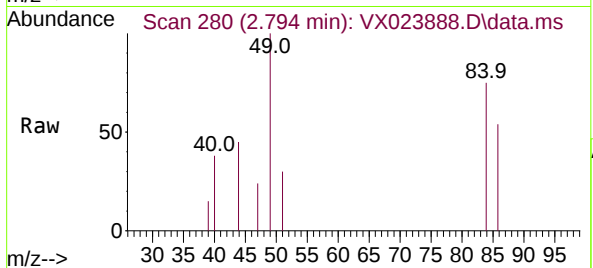
Ion Ratio Lower Upper

84 100

49 132.9 88.6 132.8#

51 39.4 27.0 40.6

86 72.3 50.3 75.5



#31

Cyclohexane

Concen: 1.309 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023888.D

Acq: 20 Aug 2021 19:31

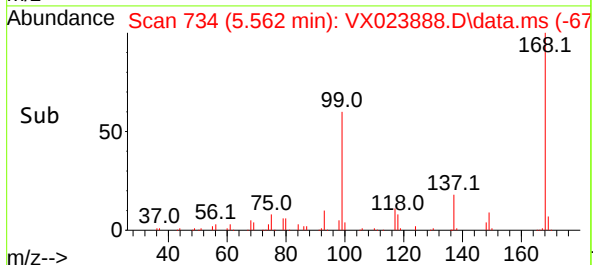
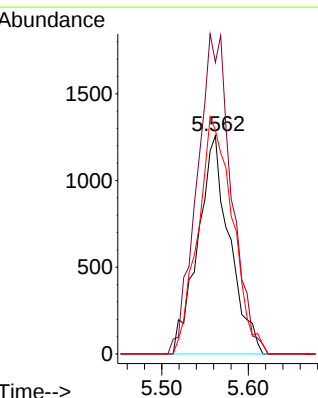
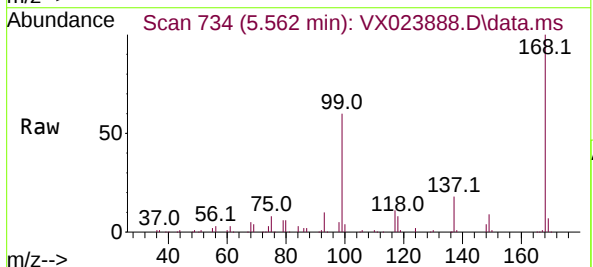
Tgt Ion: 56 Resp: 3186

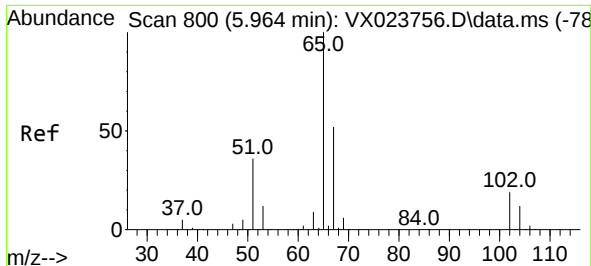
Ion Ratio Lower Upper

56 100

69 133.6 25.3 37.9#

84 102.6 71.4 107.0

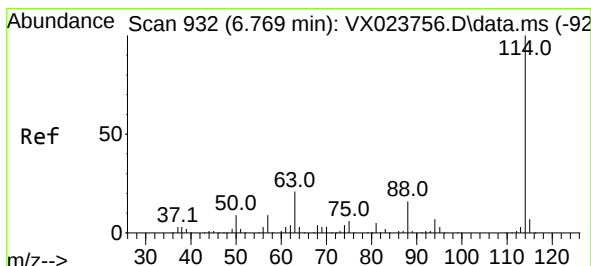
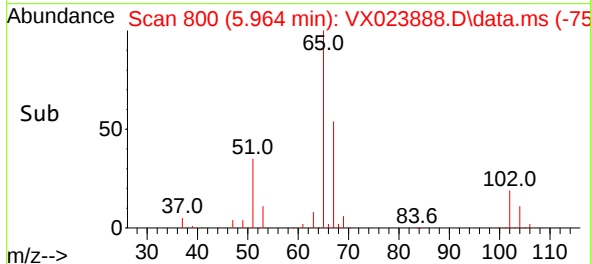
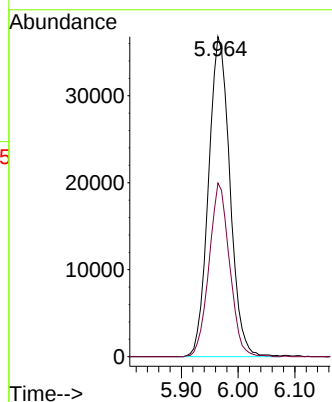
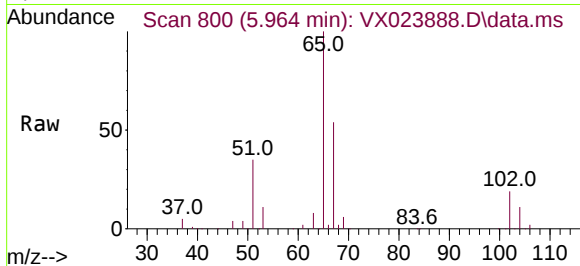




#33
 1,2-Dichloroethane-d4
 Concen: 50.966 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023888.D
 Acq: 20 Aug 2021 19:31

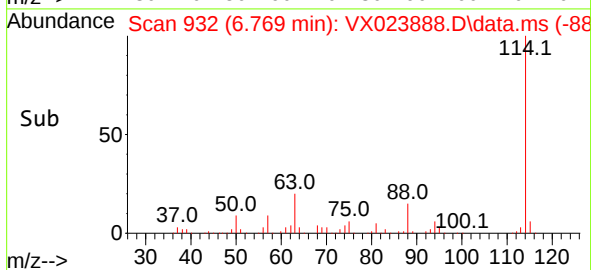
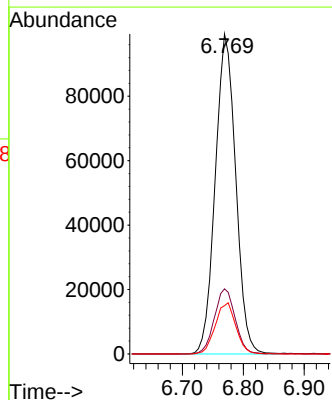
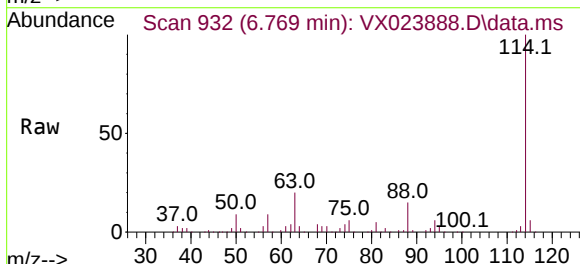
Instrument :
 MSVOA_X
 ClientSampled :

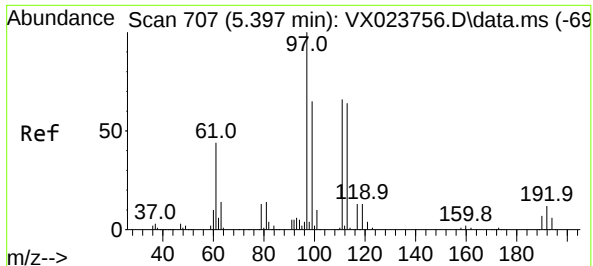
Tgt Ion: 65 Resp: 96568
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023888.D
 Acq: 20 Aug 2021 19:31

Tgt Ion: 114 Resp: 231630
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 15.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.014 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023888.D

Acq: 20 Aug 2021 19:31

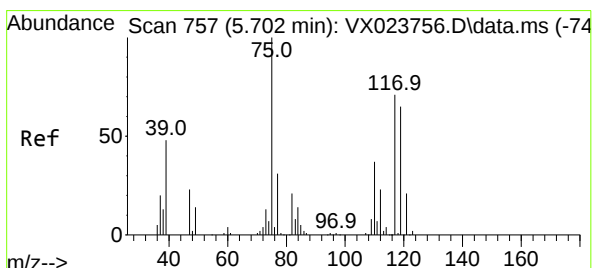
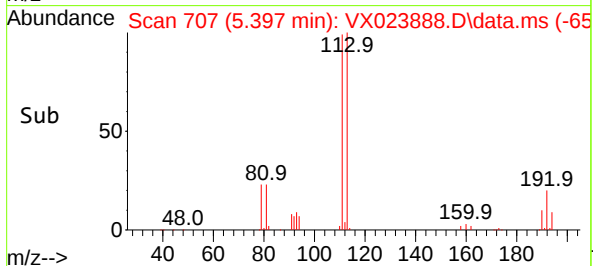
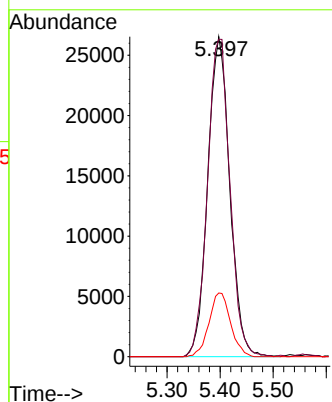
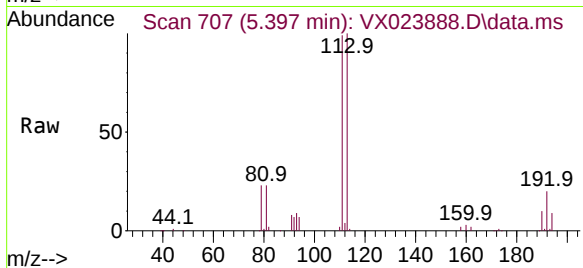
Tgt Ion:113 Resp: 76676

Ion Ratio Lower Upper

113 100

111 101.1 81.9 122.9

192 19.5 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.126 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023888.D

Acq: 20 Aug 2021 19:31

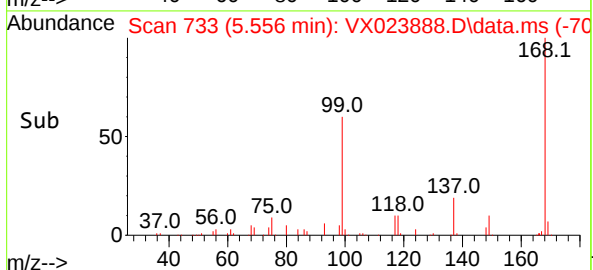
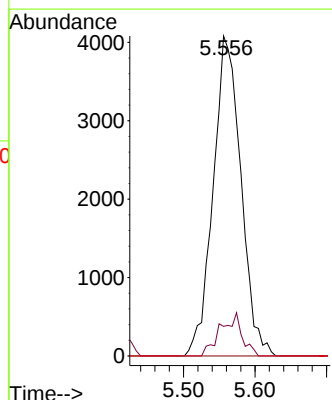
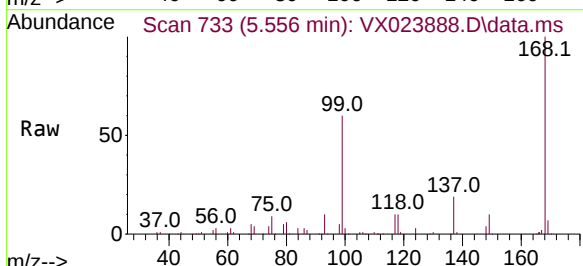
Tgt Ion: 75 Resp: 10995

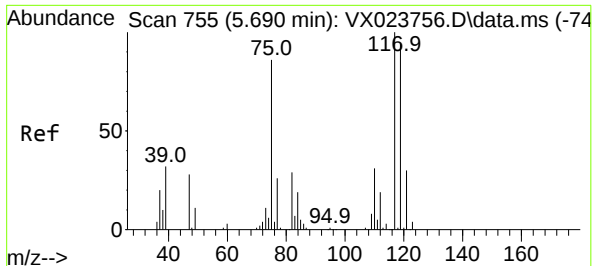
Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.4#

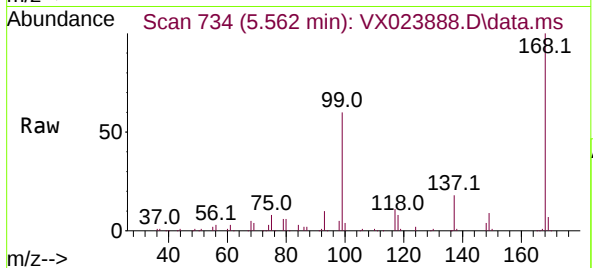
77 0.0 25.3 37.9#



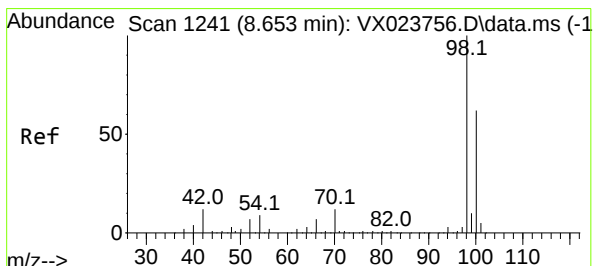
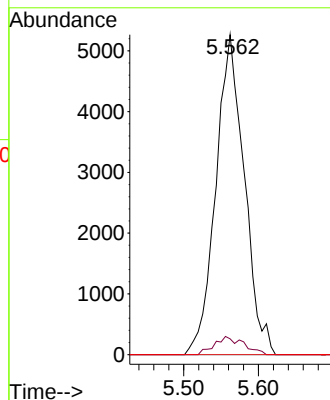
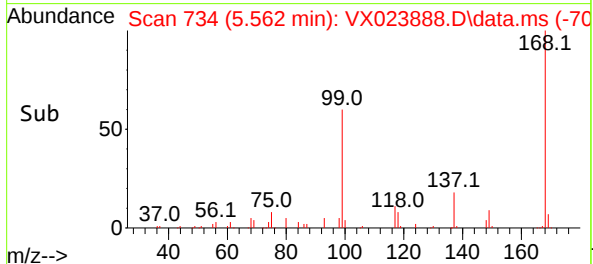


#38
Carbon Tetrachloride
Concen: 6.235 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

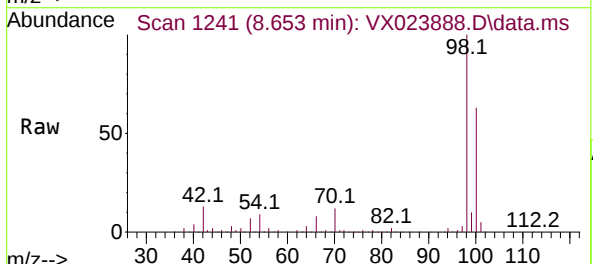
Instrument :
MSVOA_X
ClientSampled :



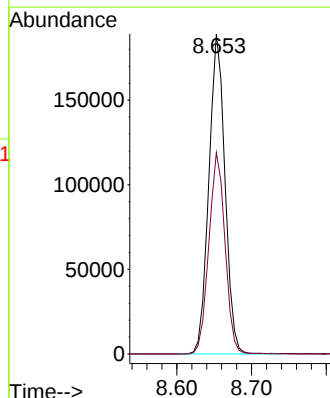
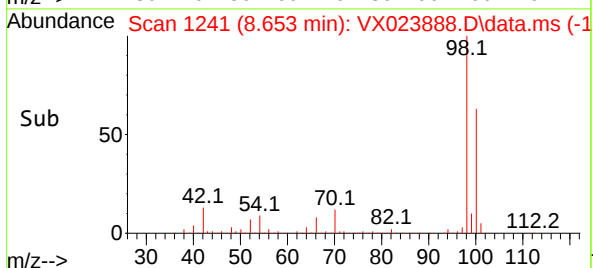
Tgt Ion:117 Resp: 13946
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#

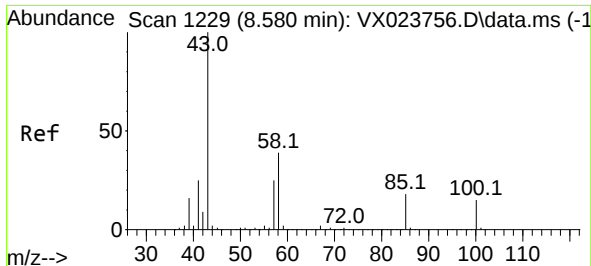


#50
Toluene-d8
Concen: 48.491 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31



Tgt Ion: 98 Resp: 282948
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

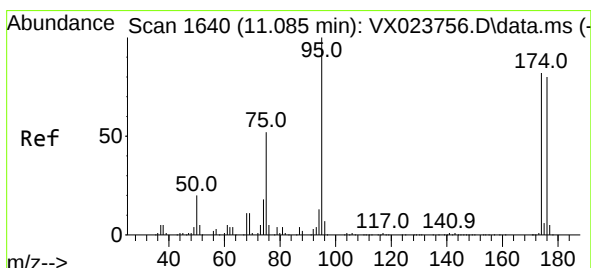
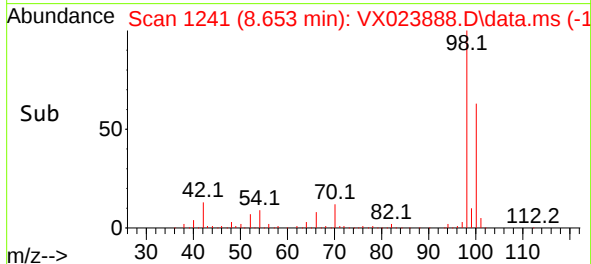
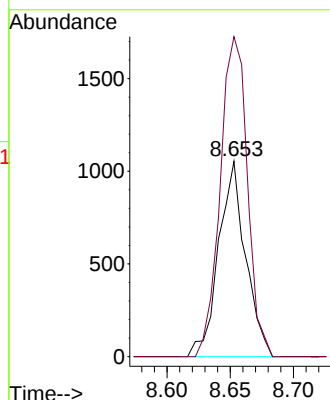
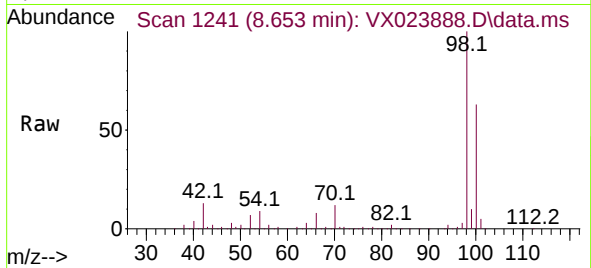




#51
4-Methyl-2-Pentanone
Concen: 0.586 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

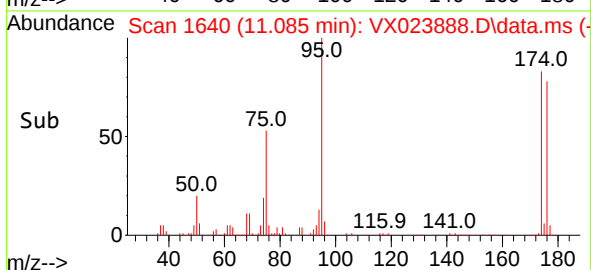
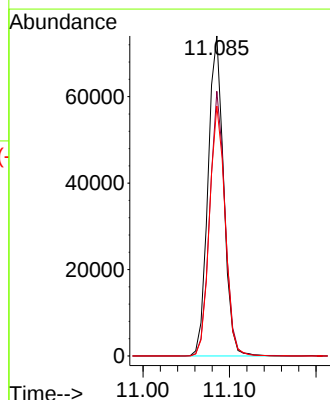
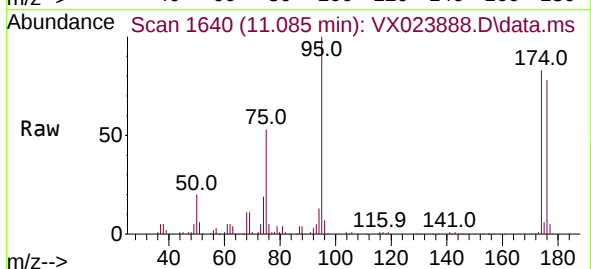
Instrument :
MSVOA_X
ClientSampled :

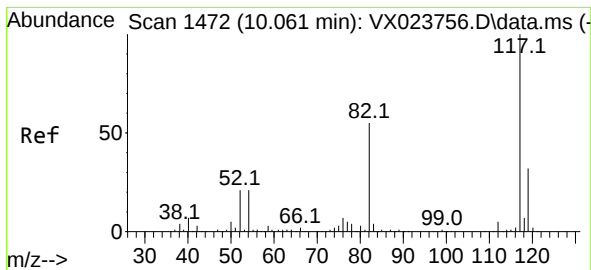
Tgt Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
58 165.1 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 43.125 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

Tgt Ion: 95 Resp: 92635
Ion Ratio Lower Upper
95 100
174 80.9 0.0 154.6
176 78.2 0.0 155.8

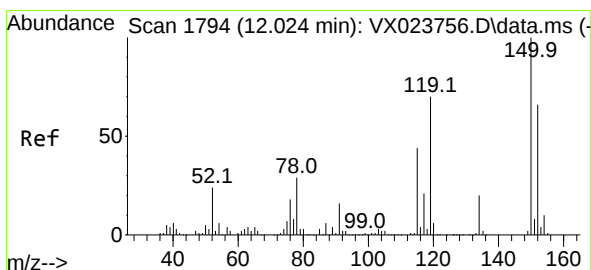
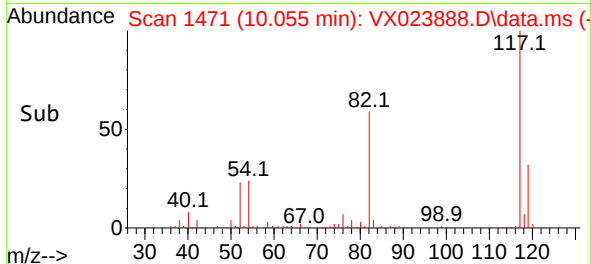
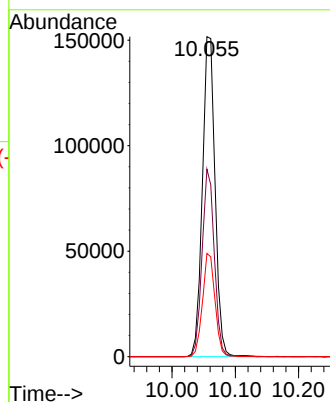
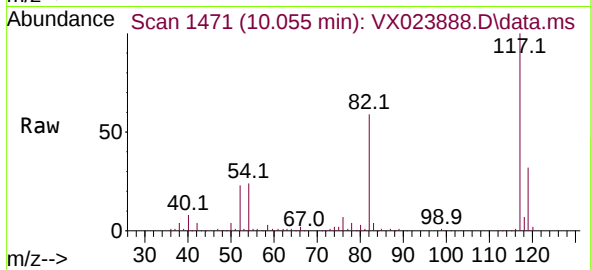




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

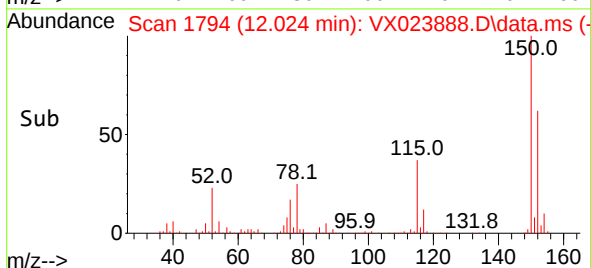
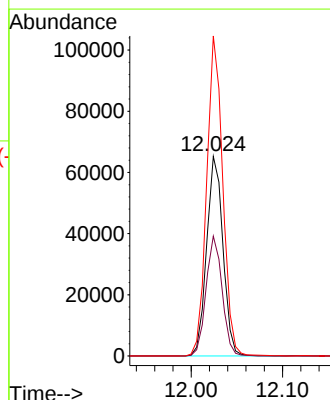
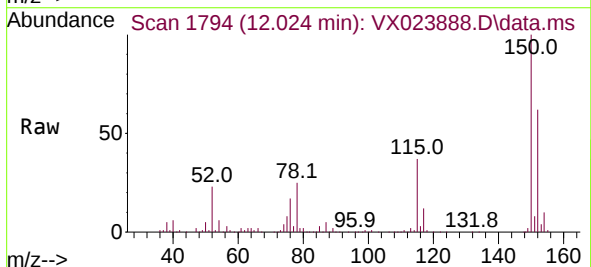
Instrument :
MSVOA_X
ClientSampled :

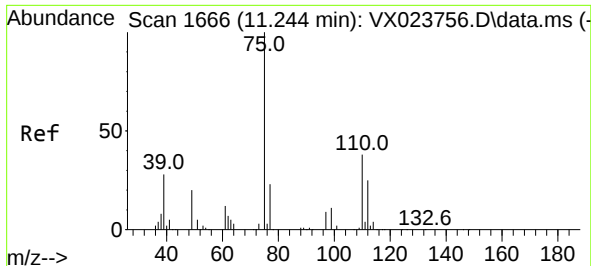
Tgt Ion:117 Resp: 211961
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

Tgt Ion:152 Resp: 80927
Ion Ratio Lower Upper
152 100
115 59.1 41.1 123.3
150 157.5 0.0 349.0

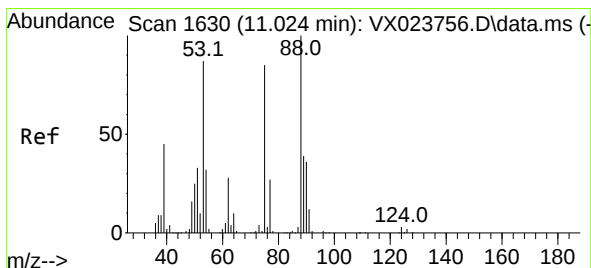
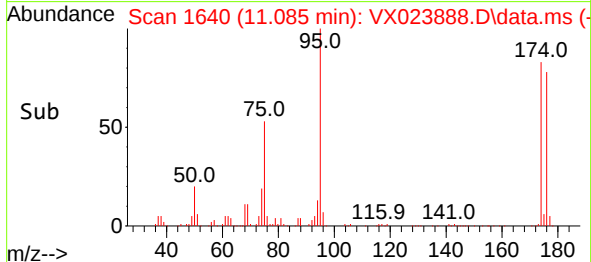
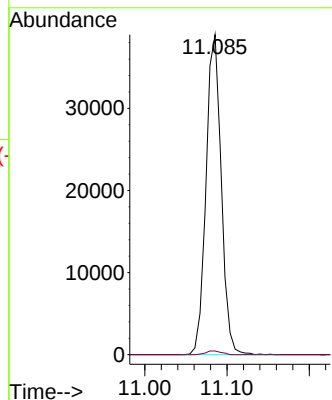
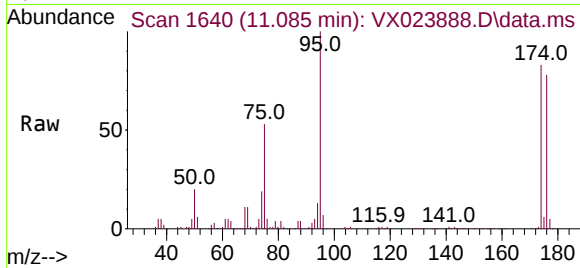




#76
1,2,3-Trichloropropane
Concen: 26.480 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

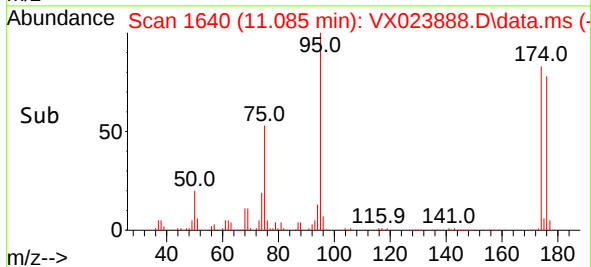
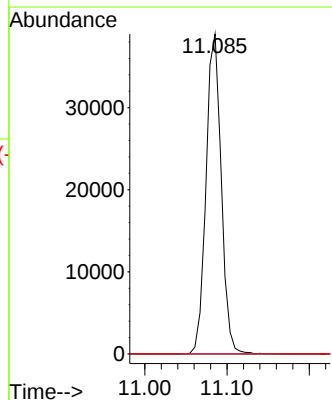
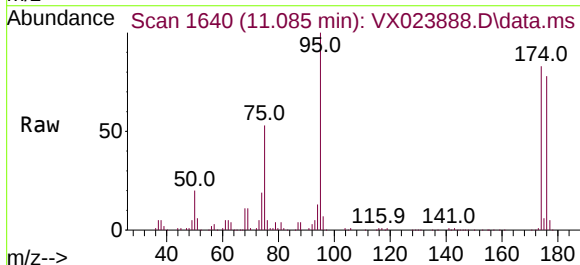
Instrument :
MSVOA_X
ClientSampled :

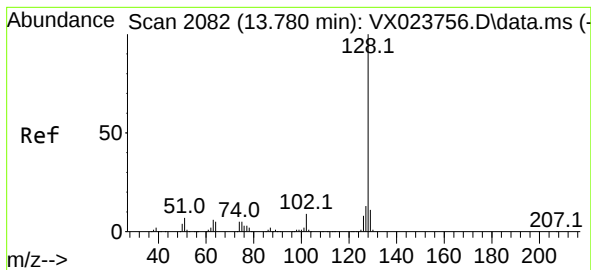
Tgt Ion: 75 Resp: 49989
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.892 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

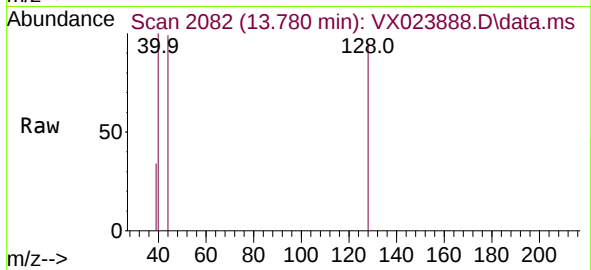
Tgt Ion: 75 Resp: 49989
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.319 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023888.D
Acq: 20 Aug 2021 19:31

Instrument :
MSVOA_X
ClientSampleId :



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

