

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082221\
 Data File : VX023889.D
 Acq On : 20 Aug 2021 19:55
 Operator : JC/MD
 Sample : M3511-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Aug 21 01:15:31 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)

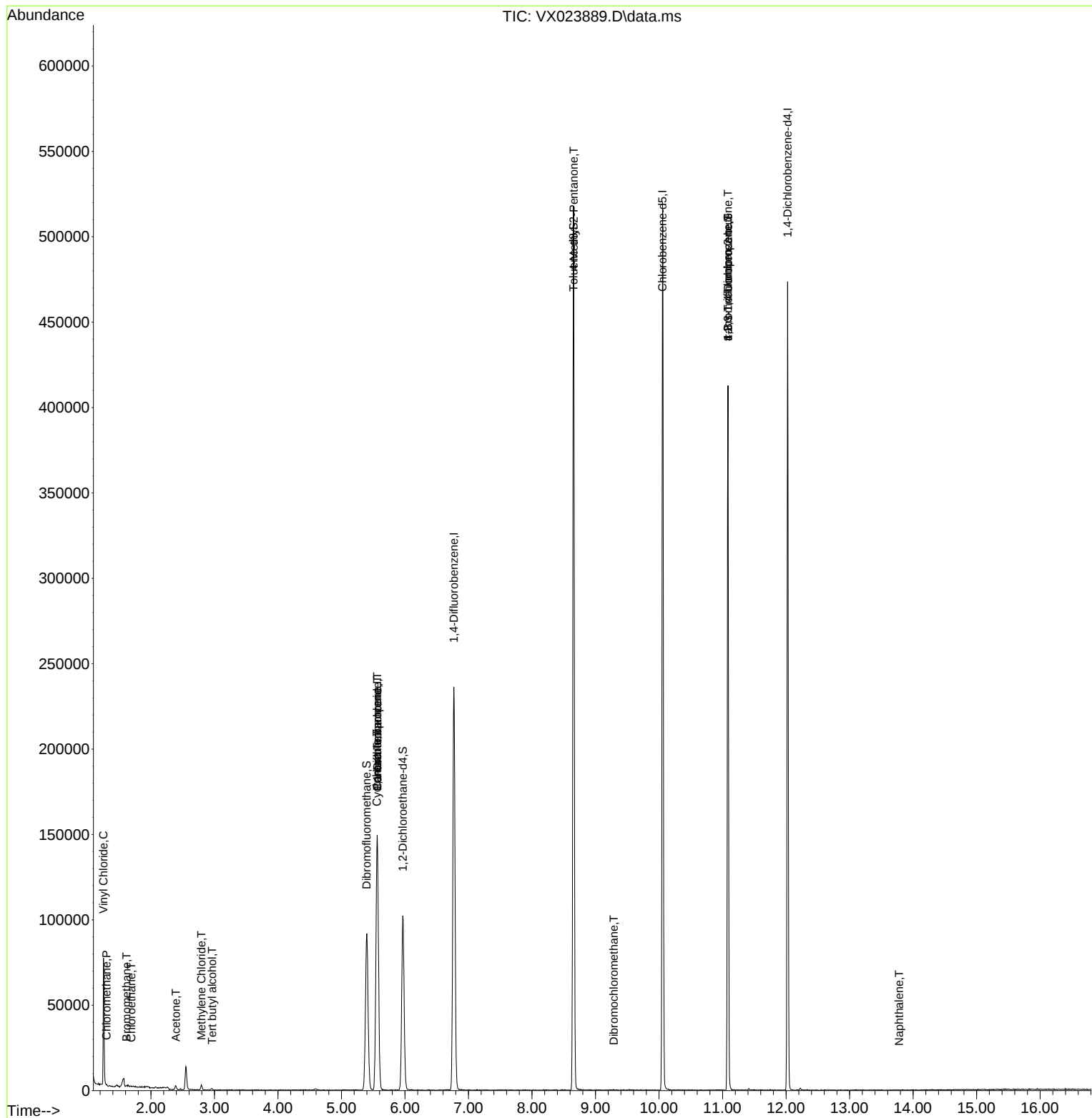
Internal Standards						
1) Pentafluorobenzene	5.562	168	138756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237447	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98414	50.818	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.640%	
35) Dibromofluoromethane	5.397	113	79048	50.298	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.600%	
50) Toluene-d8	8.653	98	294783	49.282	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.560%	
62) 4-Bromofluorobenzene	11.085	95	102541	46.567	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.140%	
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	584	0.363	ug/l	97
4) Vinyl Chloride	1.252	62	586	0.374	ug/l	90
5) Bromomethane	1.617	94	612	0.621	ug/l	92
6) Chloroethane	1.691	64	100	2.291	ug/l #	43
11) Tert butyl alcohol	2.965	59	564	1.440	ug/l #	73
16) Acetone	2.392	43	2405	2.777	ug/l	97
20) Methylene Chloride	2.794	84	1139	0.689	ug/l #	76
31) Cyclohexane	5.556	56	3235	1.300	ug/l #	39
36) 1,1-Dichloropropene	5.562	75	10997	5.001	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14233	6.207	ug/l #	16
51) 4-Methyl-2-Pentanone	8.659	43	1494	0.547	ug/l #	1
60) Dibromochloromethane	9.287	129	40	1.708	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	55202	25.796	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55202	75.879	ug/l #	12
95) Naphthalene	13.780	128	45	1.289	ug/l #	69

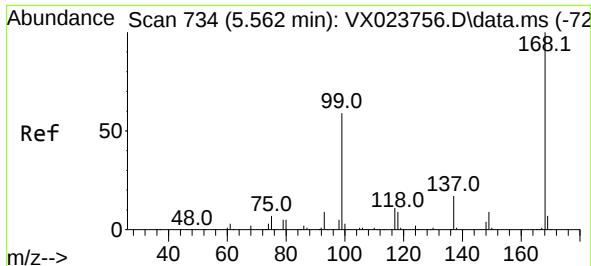
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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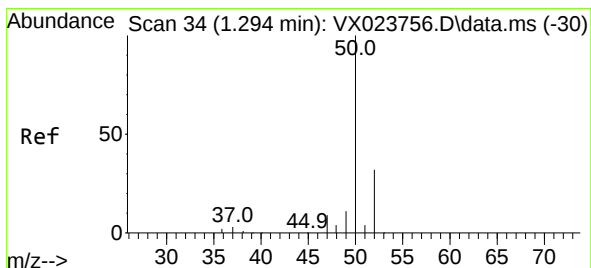
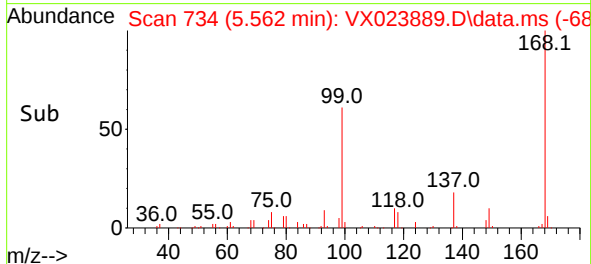
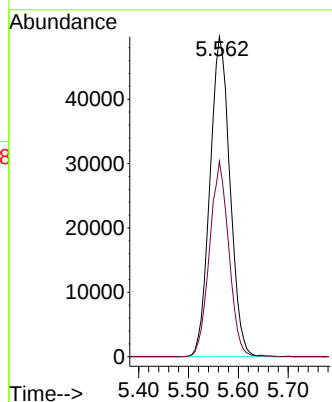
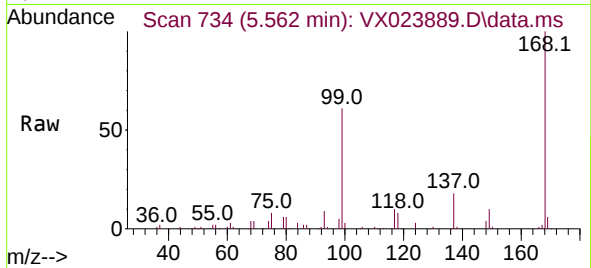




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

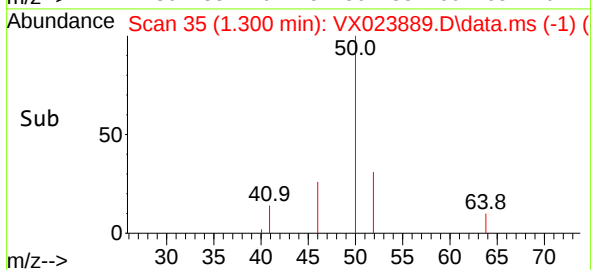
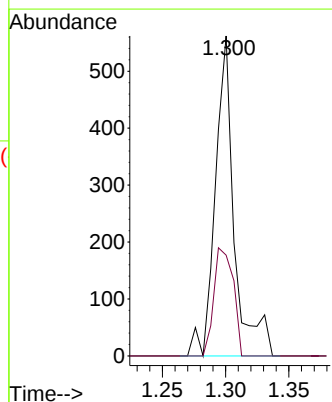
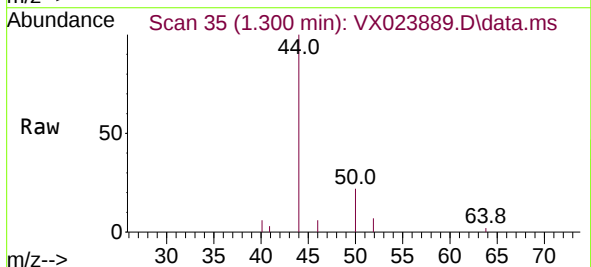
Instrument :
MSVOA_X
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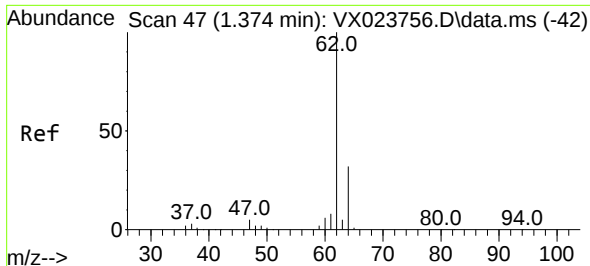
Tgt Ion:168 Resp: 138756
Ion Ratio Lower Upper
168 100
99 61.0 45.8 68.6



#3
Chloromethane
Concen: 0.363 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

Tgt Ion: 50 Resp: 584
Ion Ratio Lower Upper
50 100
52 31.5 26.4 39.6

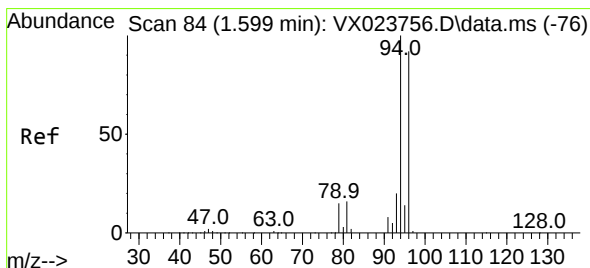
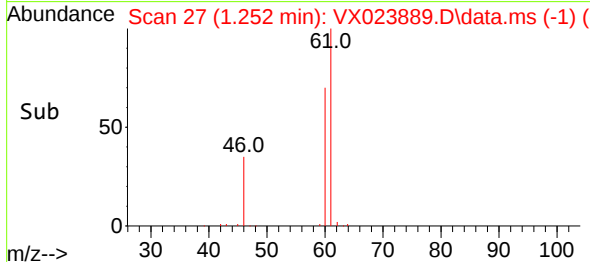
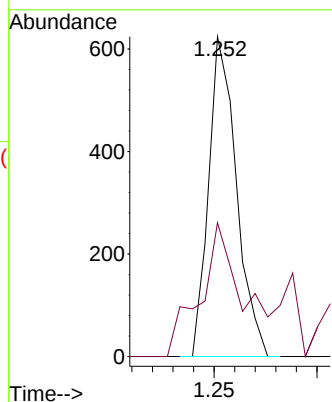
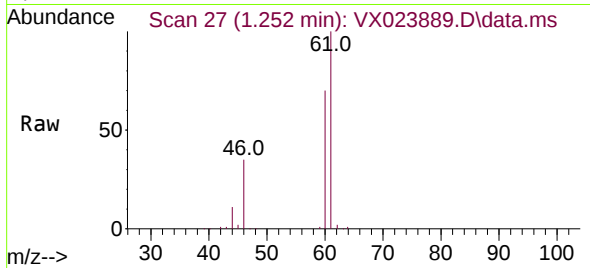




#4
 Vinyl Chloride
 Concen: 0.374 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023889.D
 Acq: 20 Aug 2021 19:55

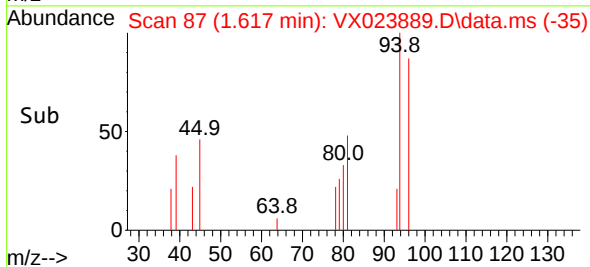
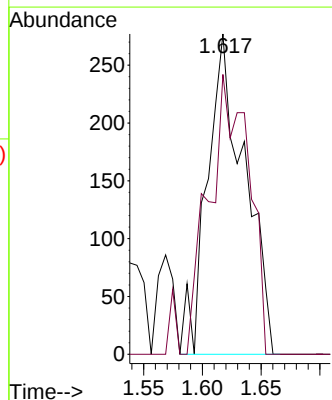
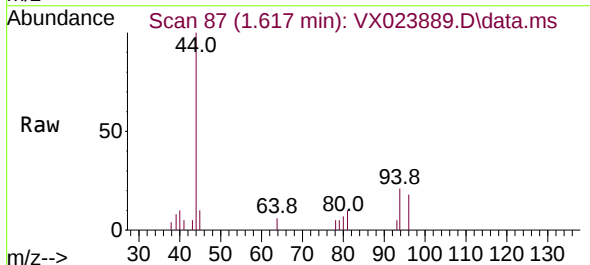
Instrument :
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 ClientSampleId :
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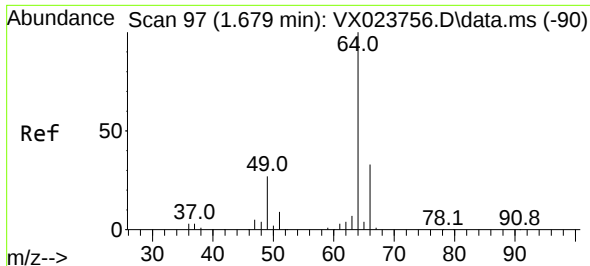
Tgt Ion: 62 Resp: 586
 Ion Ratio Lower Upper
 62 100
 64 26.3 25.7 38.5



#5
 Bromomethane
 Concen: 0.621 ug/l
 RT: 1.617 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX023889.D
 Acq: 20 Aug 2021 19:55

Tgt Ion: 94 Resp: 612
 Ion Ratio Lower Upper
 94 100
 96 87.4 76.4 114.6

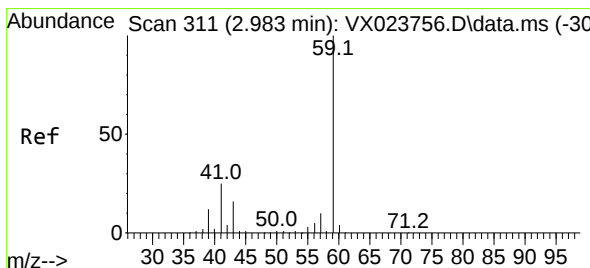
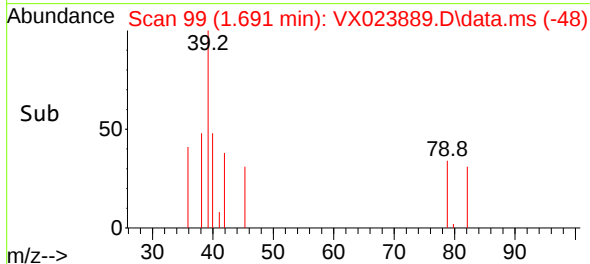
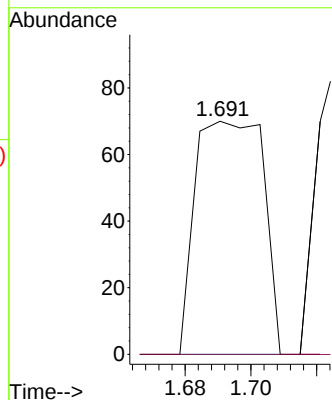
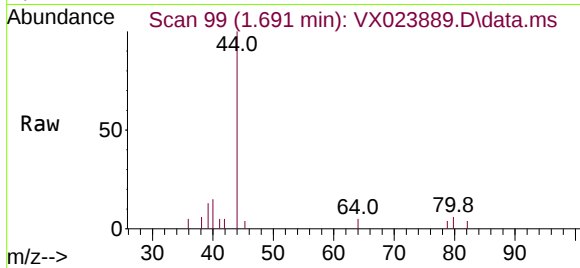




#6
Chloroethane
Concen: 2.291 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

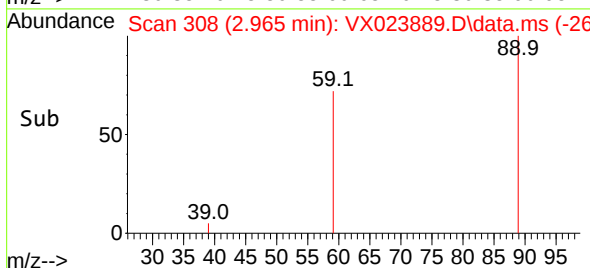
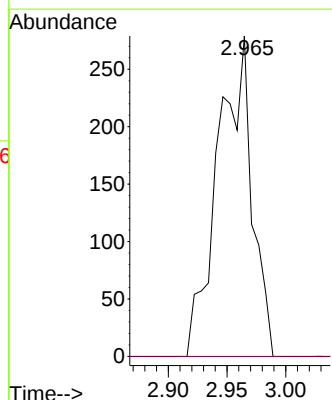
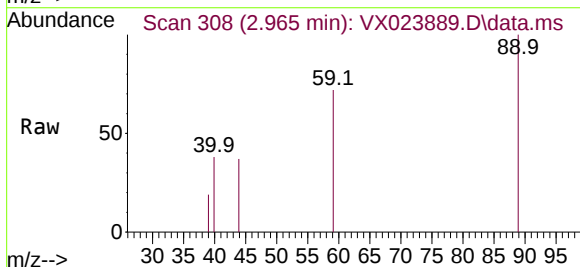
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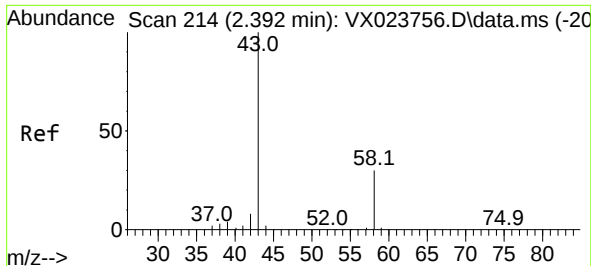
Tgt Ion: 64 Resp: 100
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.440 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

Tgt Ion: 59 Resp: 564
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

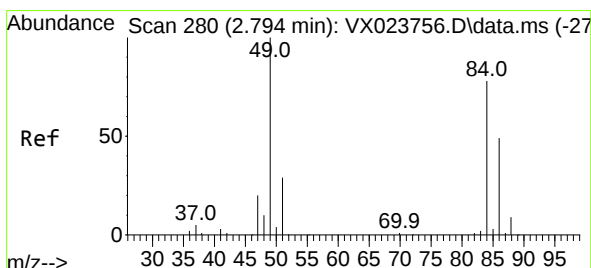
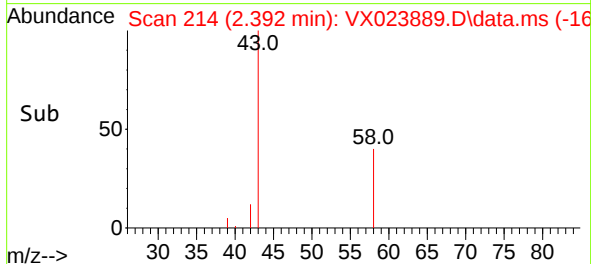
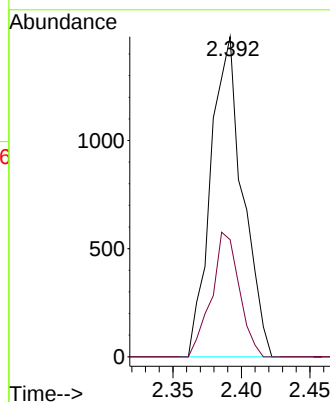
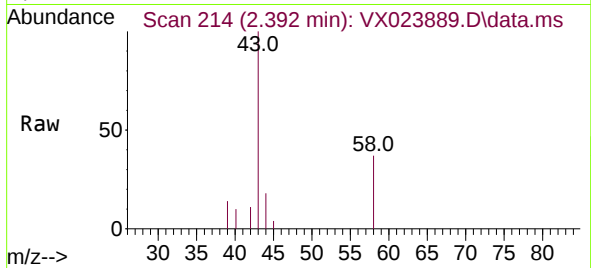




#16
Acetone
Concen: 2.777 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

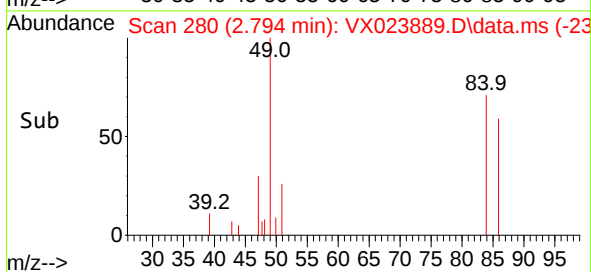
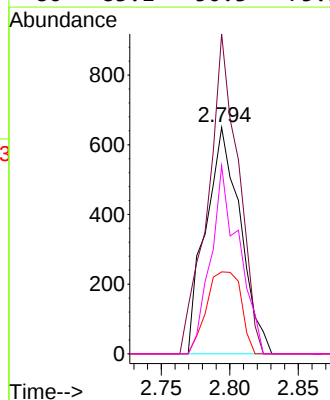
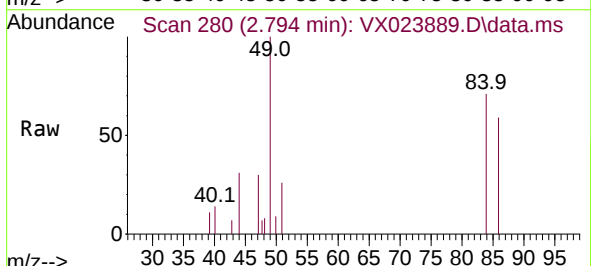
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ClientSampleId :
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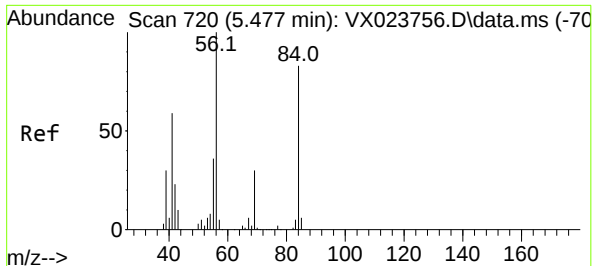
Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
58 36.6 27.8 41.8



#20
Methylene Chloride
Concen: 0.689 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

Tgt Ion: 84 Resp: 1139
Ion Ratio Lower Upper
84 100
49 141.2 88.6 132.8#
51 36.2 27.0 40.6
86 83.1 50.3 75.5#

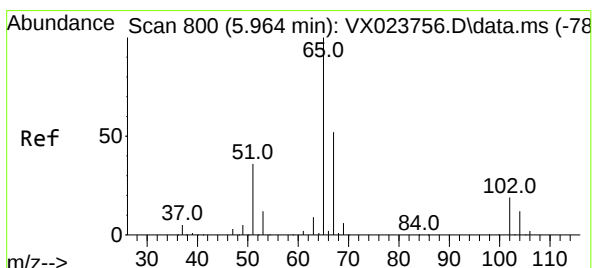
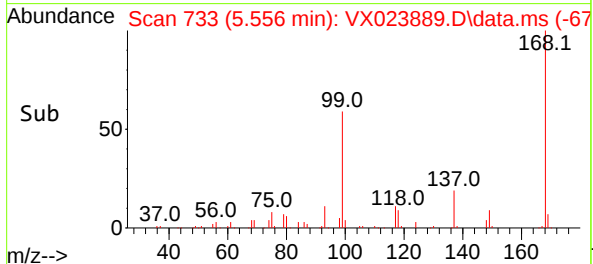
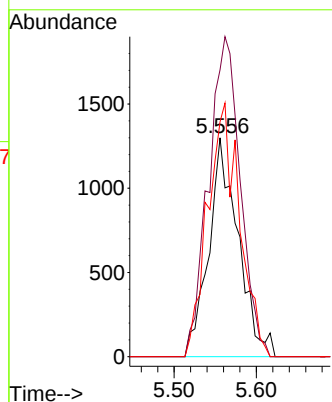
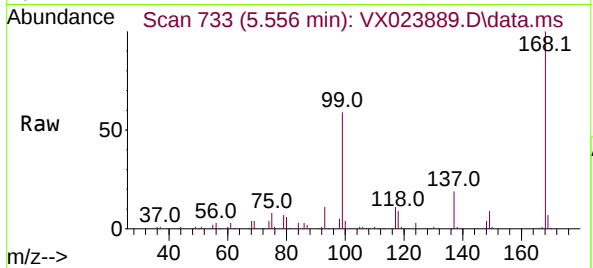




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

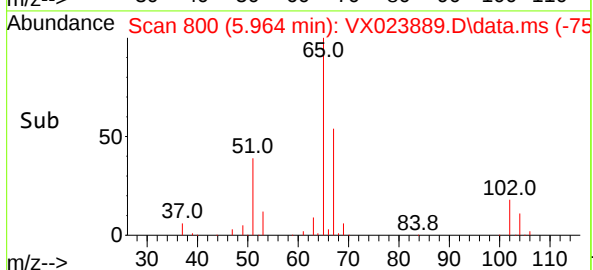
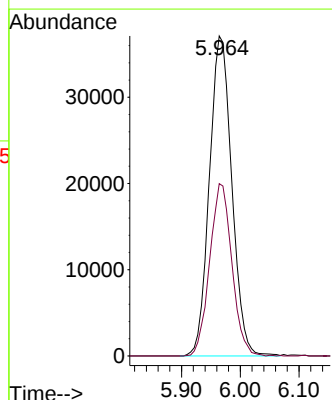
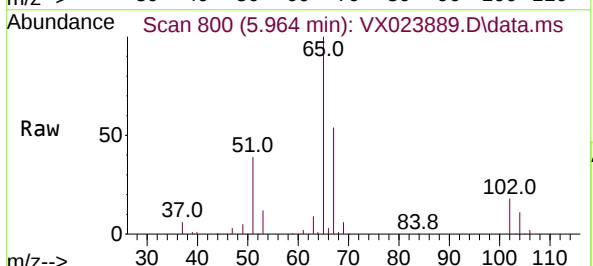
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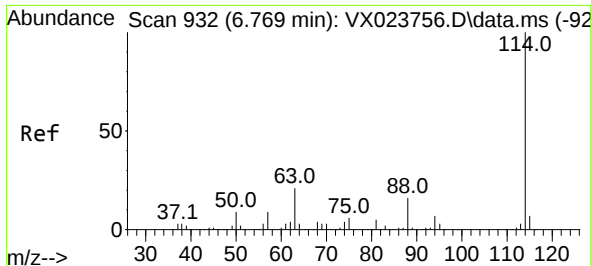
Tgt Ion: 56 Resp: 3235
Ion Ratio Lower Upper
56 100
69 131.0 25.3 37.9#
84 107.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.818 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

Tgt Ion: 65 Resp: 98414
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.4

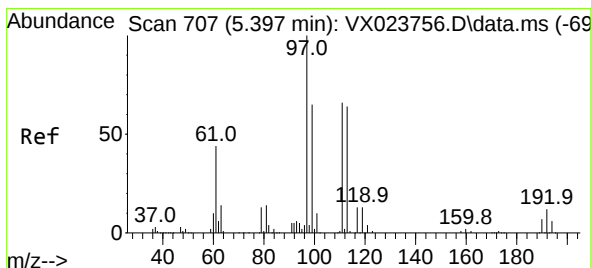
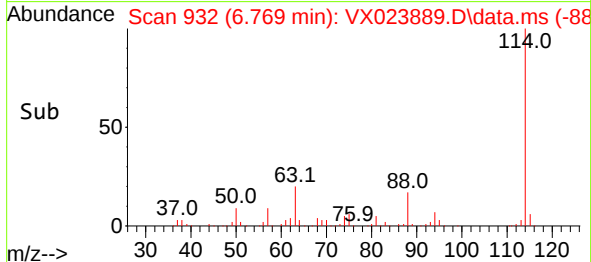
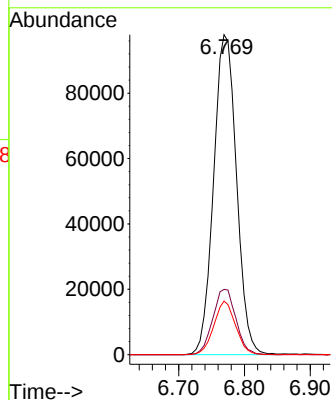
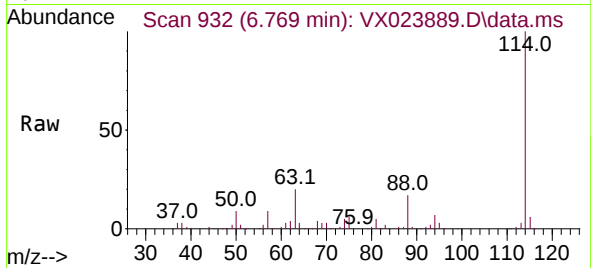




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

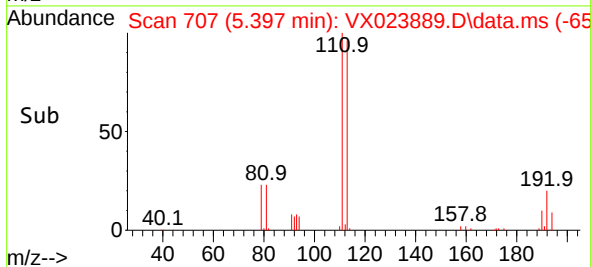
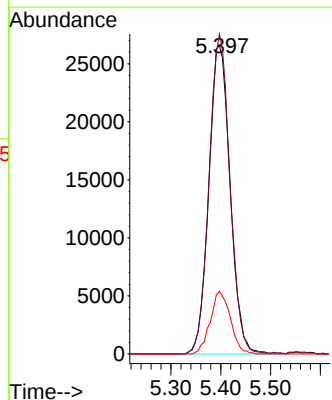
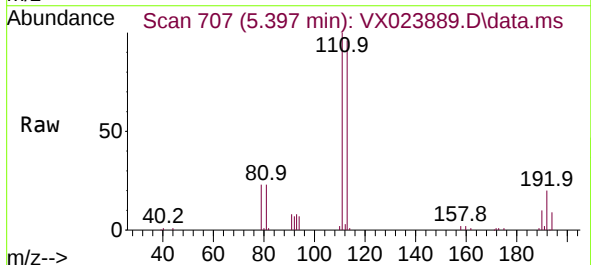
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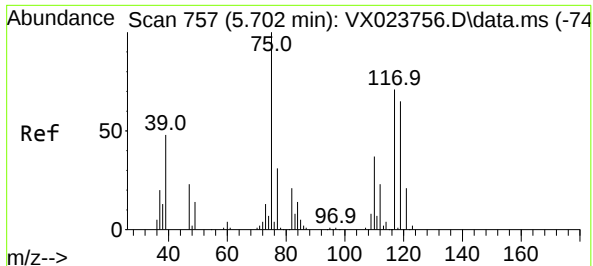
Tgt Ion:114 Resp: 237447
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.298 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

Tgt Ion:113 Resp: 79048
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 19.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.001 ug/l

RT: 5.562 min Scan# 734

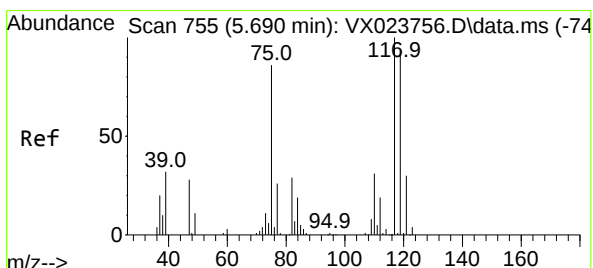
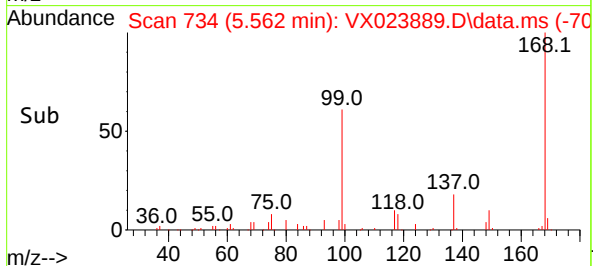
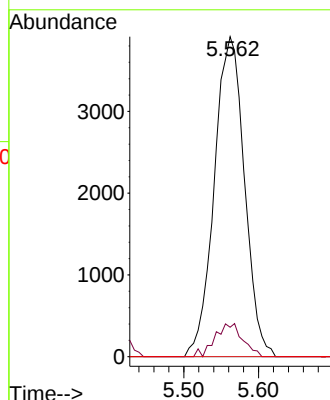
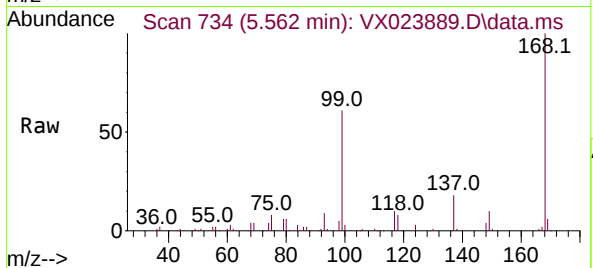
Delta R.T. -0.140 min

Lab File: VX023889.D

Acq: 20 Aug 2021 19:55

Tgt Ion: 75	Resp: 10997
Ion Ratio	Lower Upper
75 100	
110 9.5	18.1 54.4#
77 0.0	25.3 37.9#

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA



#38

Carbon Tetrachloride

Concen: 6.207 ug/l

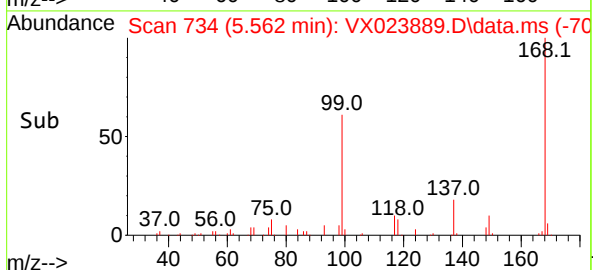
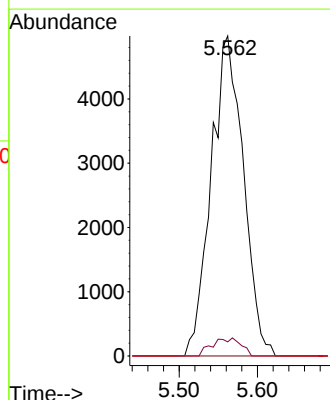
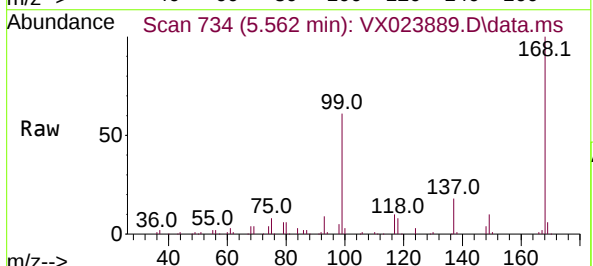
RT: 5.562 min Scan# 734

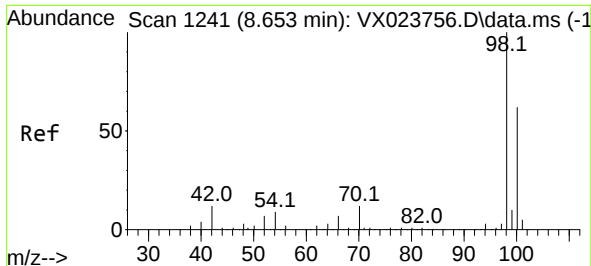
Delta R.T. -0.128 min

Lab File: VX023889.D

Acq: 20 Aug 2021 19:55

Tgt Ion: 117	Resp: 14233
Ion Ratio	Lower Upper
117 100	
119 4.4	76.2 114.2#
121 0.0	24.8 37.2#

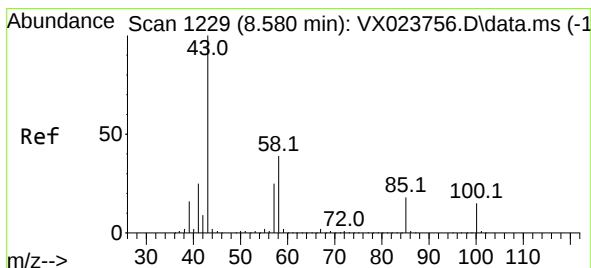
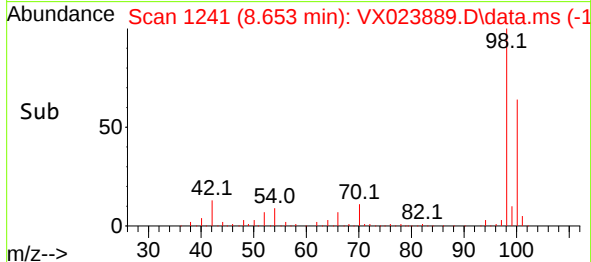
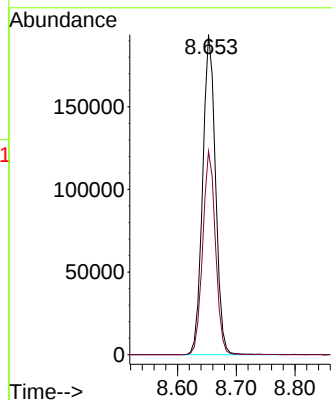
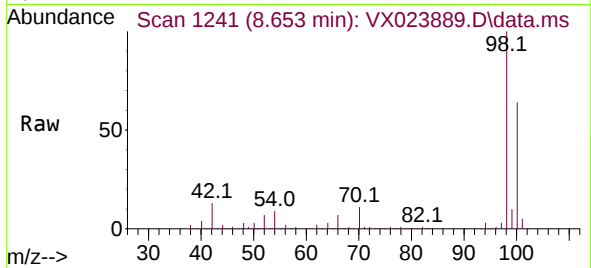




#50
Toluene-d8
Concen: 49.282 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

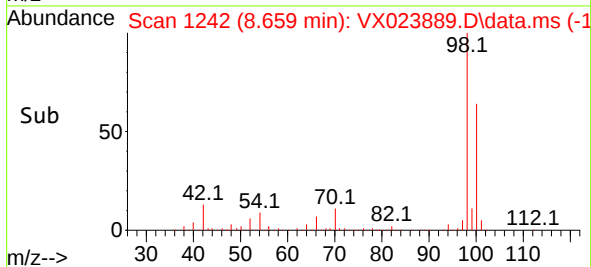
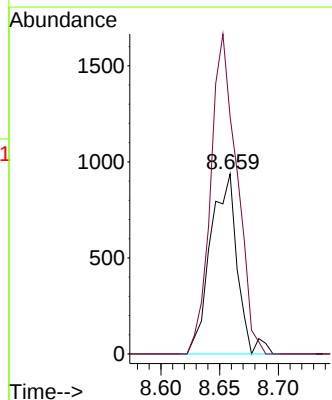
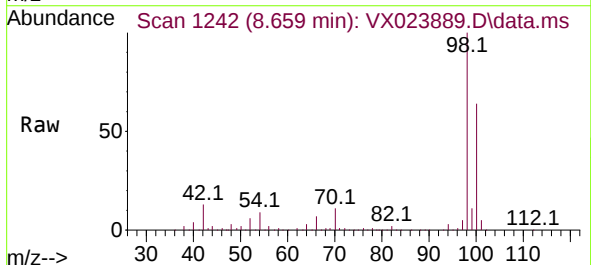
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

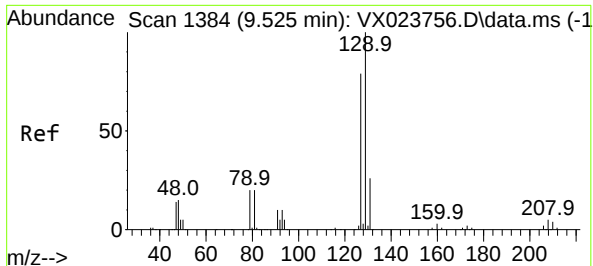
Tgt Ion: 98 Resp: 294783
Ion Ratio Lower Upper
98 100
100 63.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

Tgt Ion: 43 Resp: 1494
Ion Ratio Lower Upper
43 100
58 172.8 35.4 53.0#





#60

Dibromochloromethane

Concen: 1.708 ug/l

RT: 9.287 min Scan# 1345

Delta R.T. -0.238 min

Lab File: VX023889.D

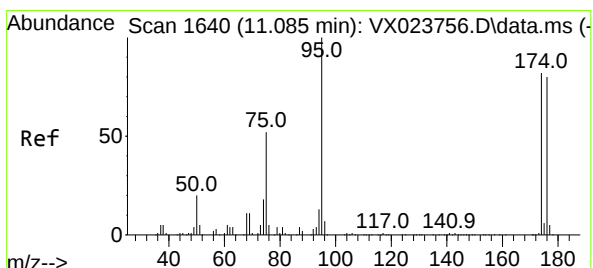
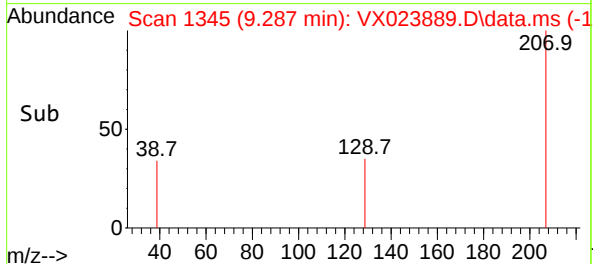
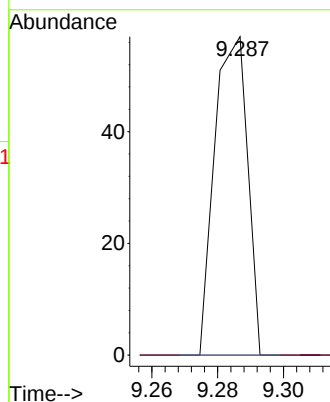
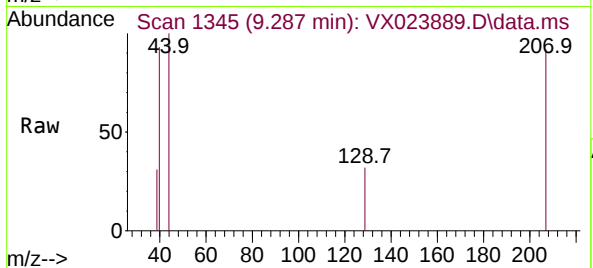
Acq: 20 Aug 2021 19:55

Tgt Ion:129 Resp: 40

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 46.567 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023889.D

Acq: 20 Aug 2021 19:55

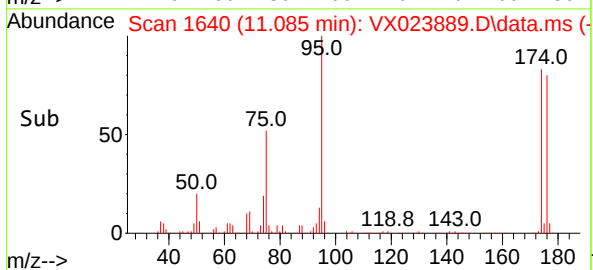
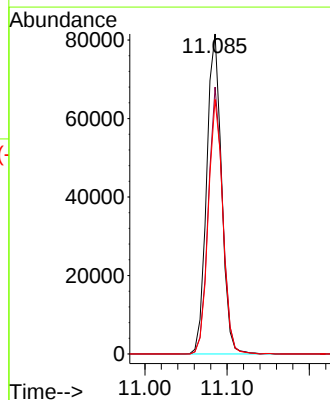
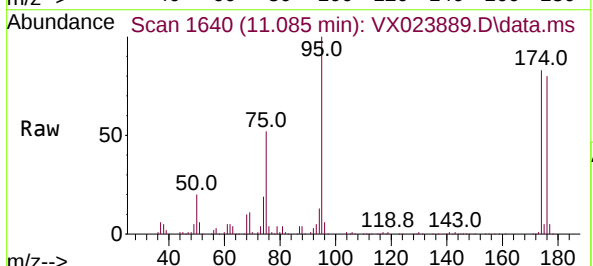
Tgt Ion: 95 Resp: 102541

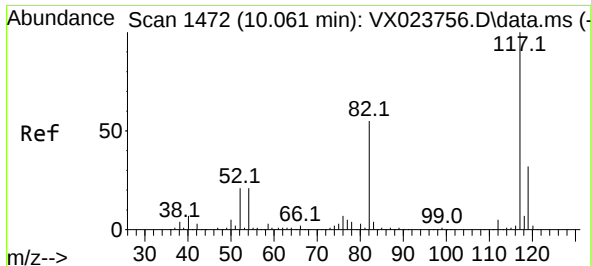
Ion Ratio Lower Upper

95 100

174 80.6 0.0 154.6

176 77.9 0.0 155.8

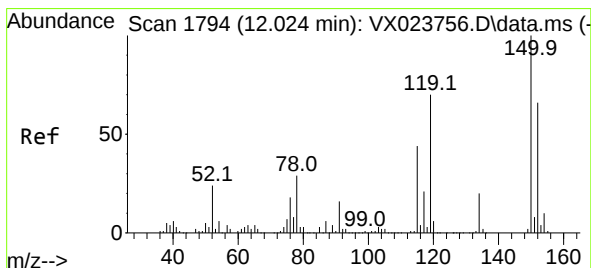
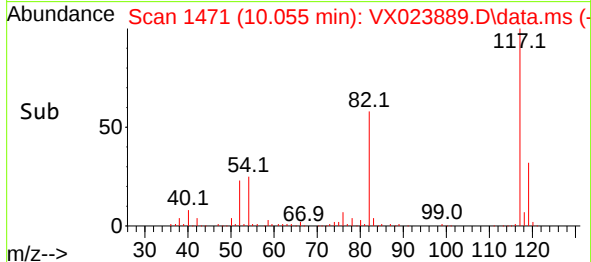
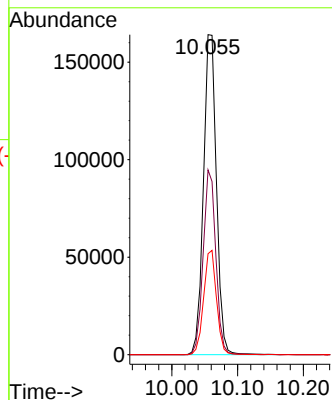
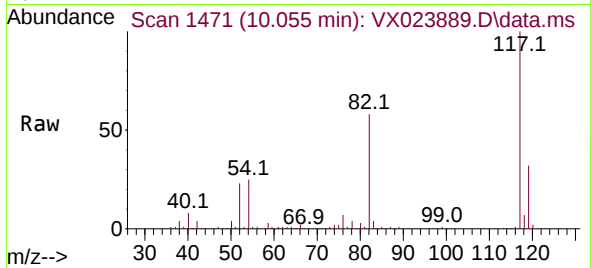




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

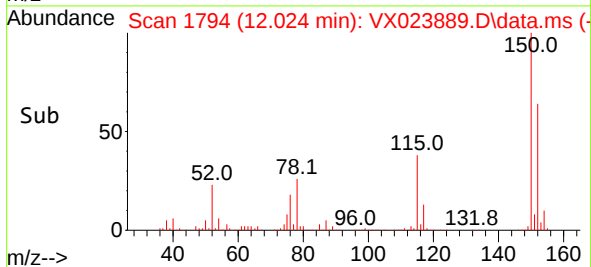
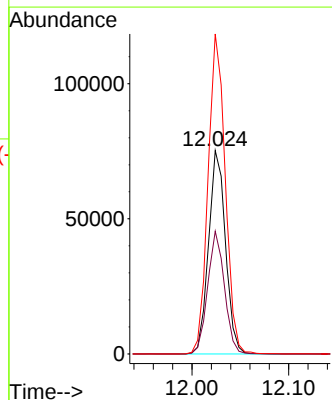
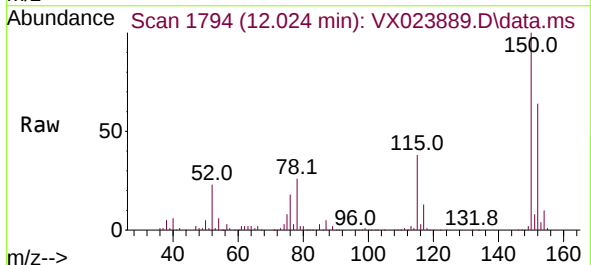
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

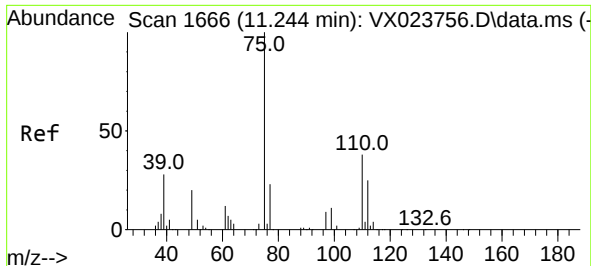
Tgt Ion:117 Resp: 225552
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

Tgt Ion:152 Resp: 91737
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 159.5 0.0 349.0

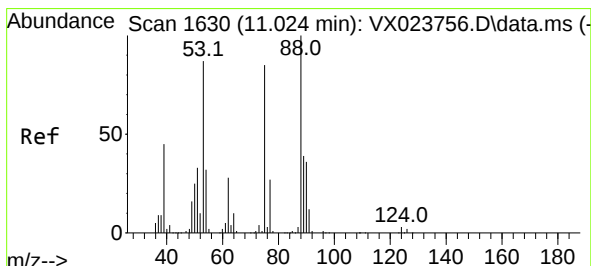
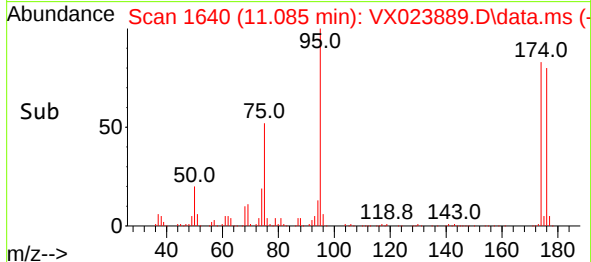
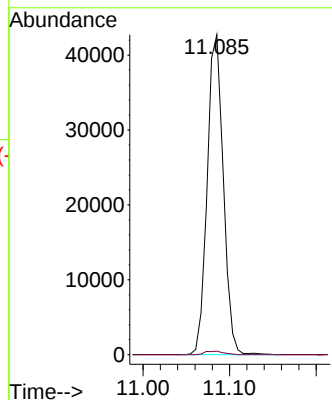
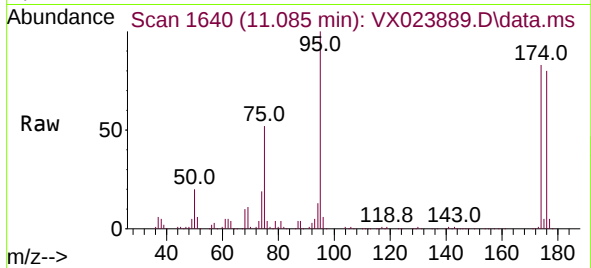




#76
1,2,3-Trichloropropane
Concen: 25.796 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

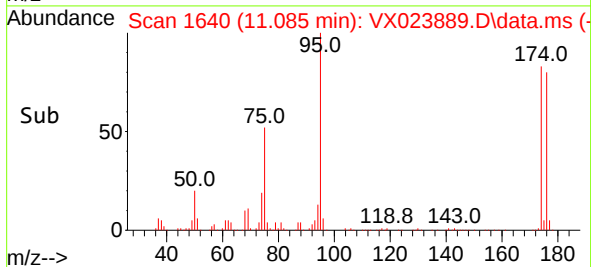
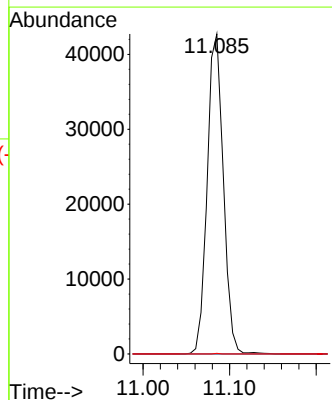
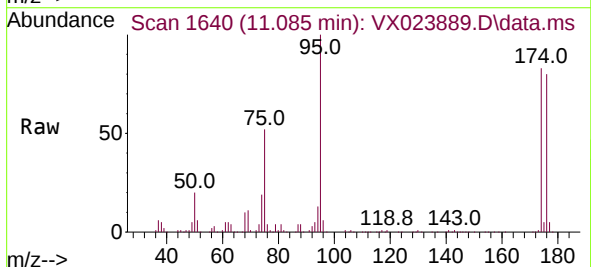
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

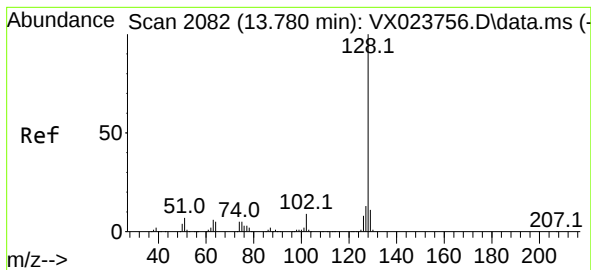
Tgt Ion: 75 Resp: 55202
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.879 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

Tgt Ion: 75 Resp: 55202
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 1.289 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023889.D
Acq: 20 Aug 2021 19:55

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

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

