

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025892.D
 Acq On : 17 Dec 2021 17:51
 Operator : JC/MD
 Sample : M5155-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 19 02:33:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

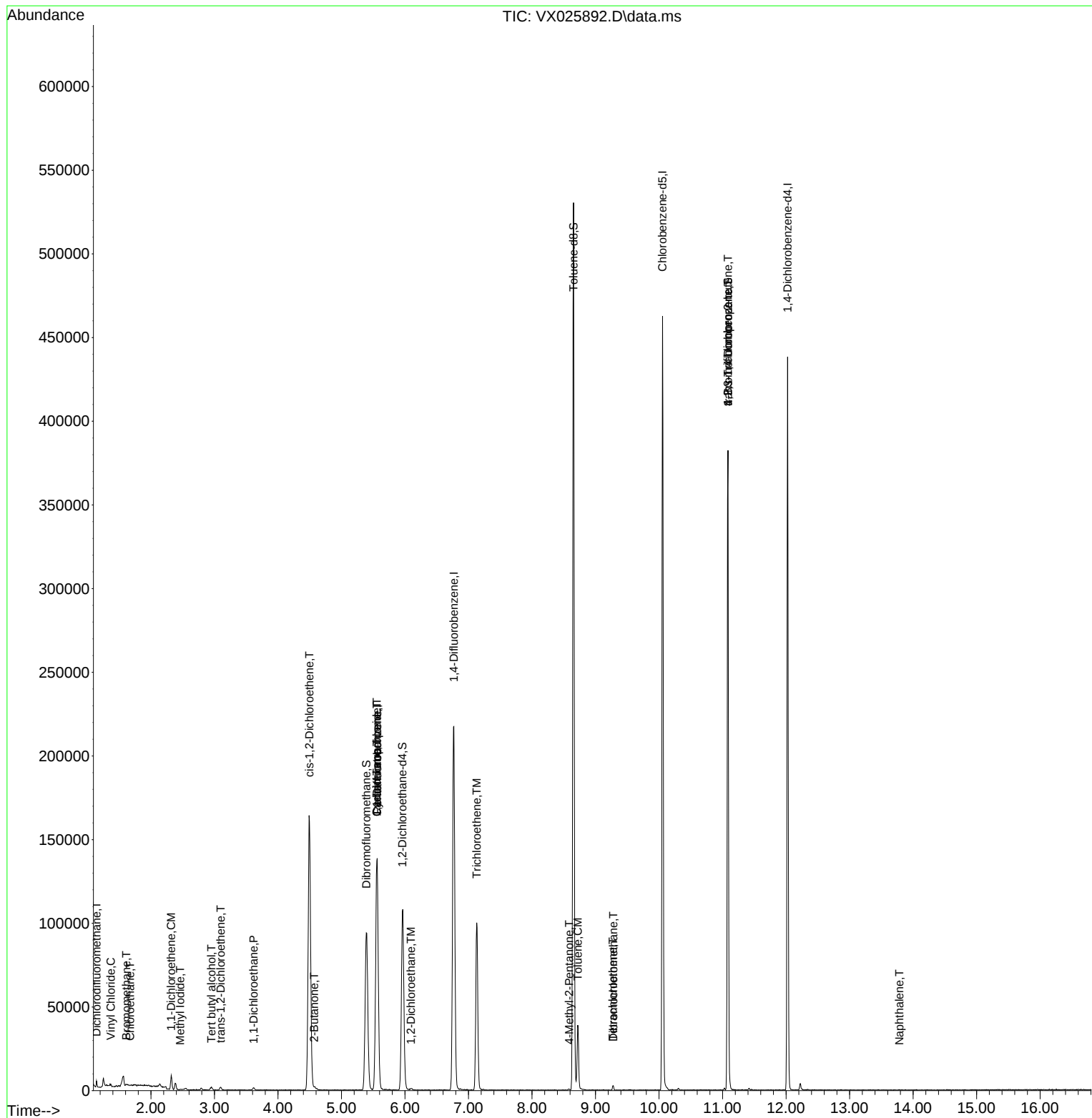
Internal Standards						
1) Pentafluorobenzene	5.562	168	127084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	224864	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103442	56.572	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.140%	
35) Dibromofluoromethane	5.391	113	82657	52.707	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.420%	
50) Toluene-d8	8.653	98	306277	53.602	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.200%	
62) 4-Bromofluorobenzene	11.085	95	104102	47.962	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.920%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.142	85	289	0.254	ug/l #	41
4) Vinyl Chloride	1.368	62	343	0.218	ug/l #	57
5) Bromomethane	1.611	94	316	0.281	ug/l #	75
6) Chloroethane	1.672	64	243	0.213	ug/l #	42
10) Methyl Iodide	2.459	142	390	0.226	ug/l #	88
11) Tert butyl alcohol	2.953	59	1036	2.824	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	2534	1.884	ug/l #	74
16) Acetone	2.380	43	4439	Below Cal	#	86
20) Methylene Chloride	2.800	84	493	Below Cal	#	61
21) trans-1,2-Dichloroethene	3.099	96	692	0.461	ug/l	91
24) 1,1-Dichloroethane	3.617	63	1440	0.530	ug/l #	83
25) 2-Butanone	4.568	43	466	0.379	ug/l #	49
27) cis-1,2-Dichloroethene	4.495	96	101151	56.817	ug/l	92
31) Cyclohexane	5.556	56	3108	1.398	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	10730	5.045	ug/l #	51
38) Carbon Tetrachloride	5.556	117	14103	5.699	ug/l #	15
42) 1,2-Dichloroethane	6.092	62	846	0.351	ug/l #	74
44) Trichloroethene	7.129	130	37722	21.358	ug/l	88
51) 4-Methyl-2-Pentanone	8.586	43	537	0.215	ug/l #	62
52) Toluene	8.720	92	14404	3.563	ug/l	99
60) Dibromochloromethane	9.281	129	463	0.235	ug/l #	11
64) Tetrachloroethene	9.275	164	463	0.285	ug/l #	85
76) 1,2,3-Trichloropropane	11.085	75	55530	28.739	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55530	89.099	ug/l #	10
95) Naphthalene	13.786	128	275	2.457	ug/l #	69

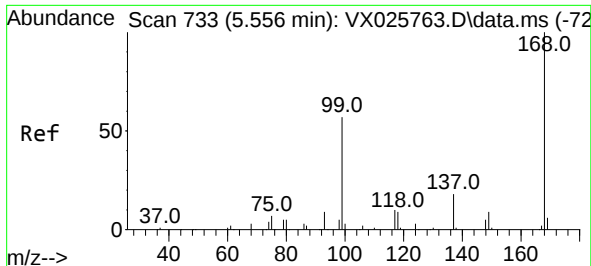
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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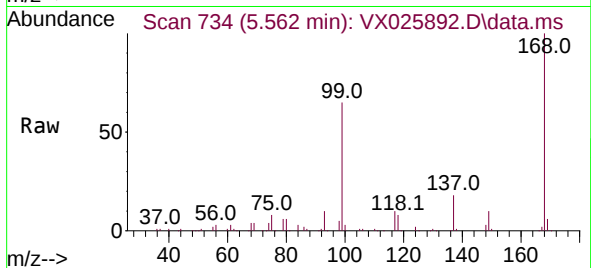
Quant Time: Dec 19 02:33:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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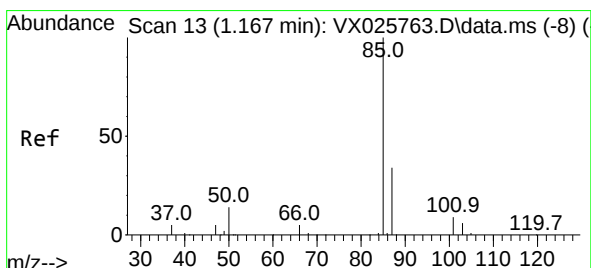
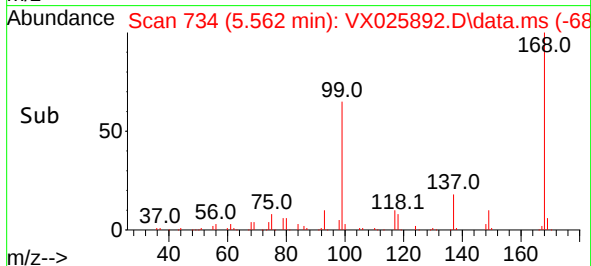
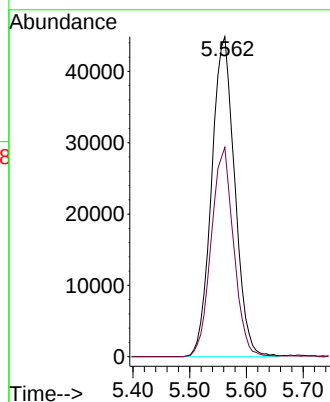


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Instrument :
MSVOA_X
ClientSampleId :

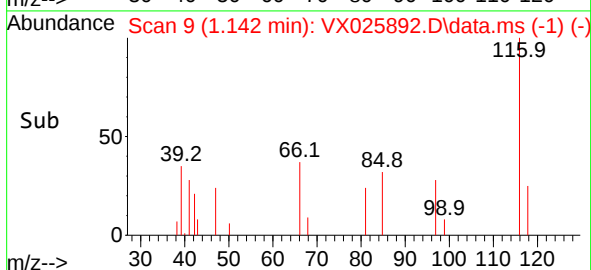
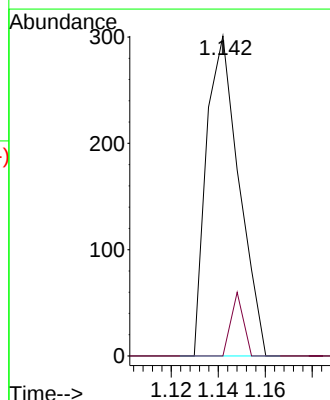
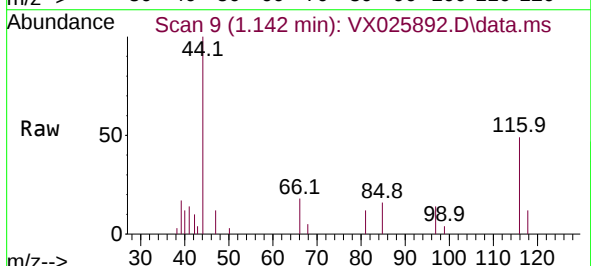


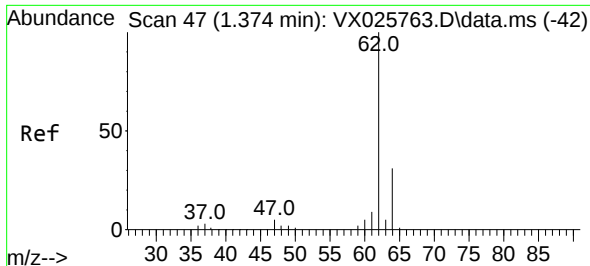
Tgt Ion:168 Resp: 127084
Ion Ratio Lower Upper
168 100
99 65.4 45.8 68.8



#2
Dichlorodifluoromethane
Concen: 0.254 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.025 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Tgt Ion: 85 Resp: 289
Ion Ratio Lower Upper
85 100
87 0.0 17.0 50.9#

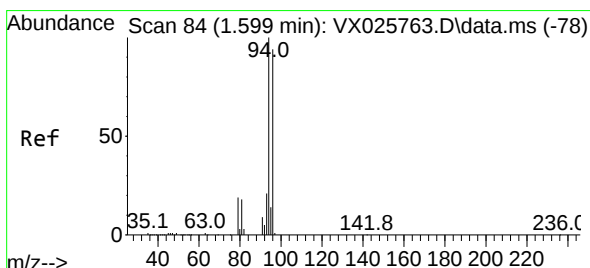
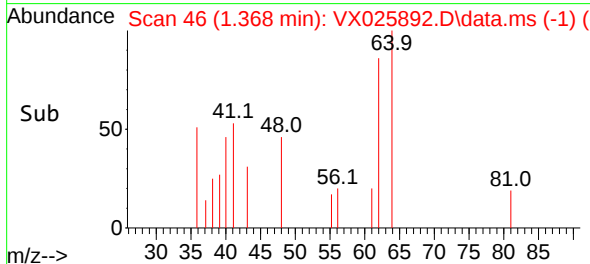
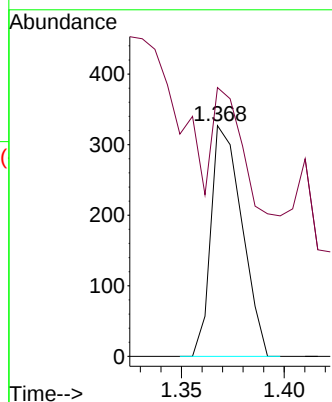
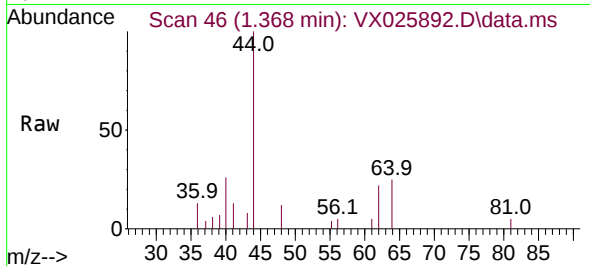




#4
 Vinyl Chloride
 Concen: 0.218 ug/l
 RT: 1.368 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX025892.D
 Acq: 17 Dec 2021 17:51

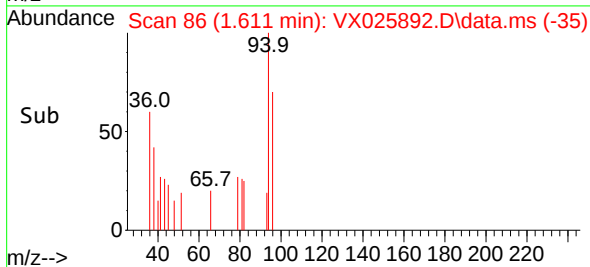
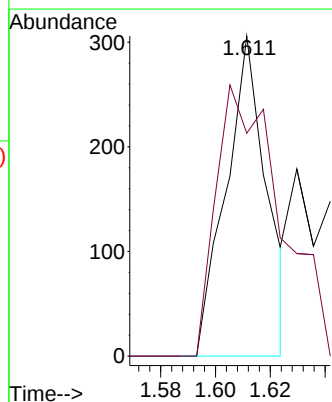
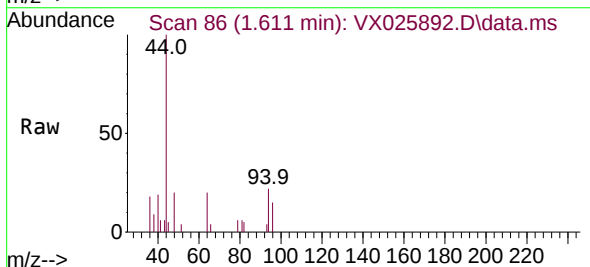
Instrument :
 MSVOA_X
 ClientSampleId :

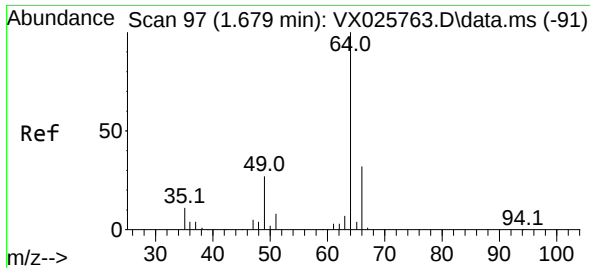
Tgt Ion: 62 Resp: 343
 Ion Ratio Lower Upper
 62 100
 64 55.7 25.4 38.2#



#5
 Bromomethane
 Concen: 0.281 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX025892.D
 Acq: 17 Dec 2021 17:51

Tgt Ion: 94 Resp: 316
 Ion Ratio Lower Upper
 94 100
 96 69.6 75.0 112.4#

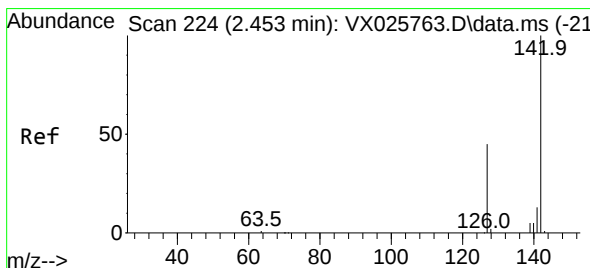
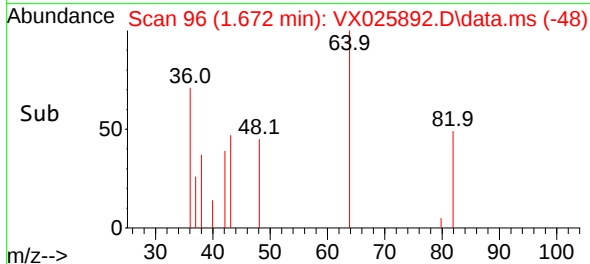
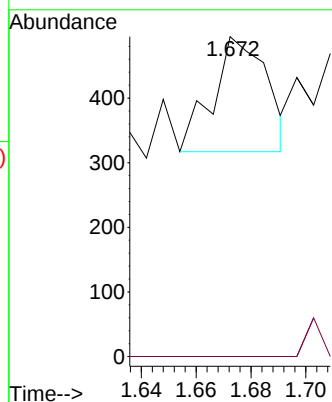
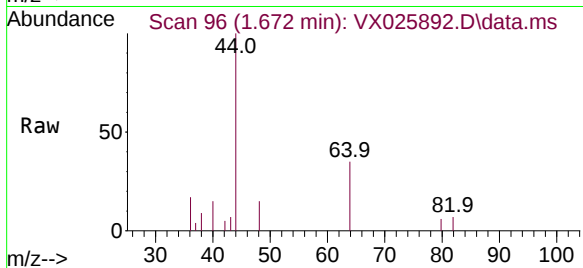




#6
Chloroethane
Concen: 0.213 ug/l
RT: 1.672 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

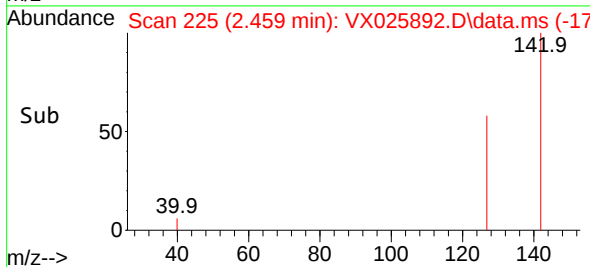
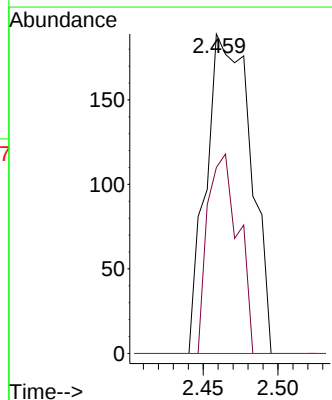
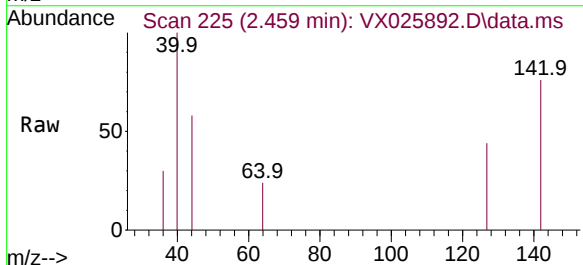
Instrument :
MSVOA_X
ClientSampleId :

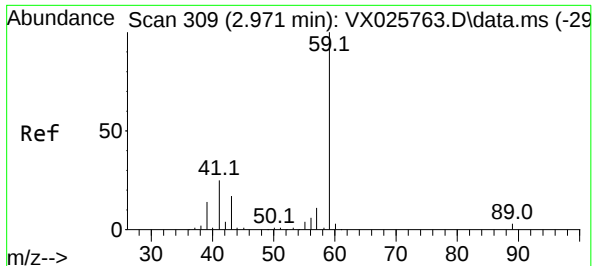
Tgt Ion: 64 Resp: 243
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#10
Methyl Iodide
Concen: 0.226 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Tgt Ion: 142 Resp: 390
Ion Ratio Lower Upper
142 100
127 43.1 37.5 56.3
141 0.0 11.4 17.0#

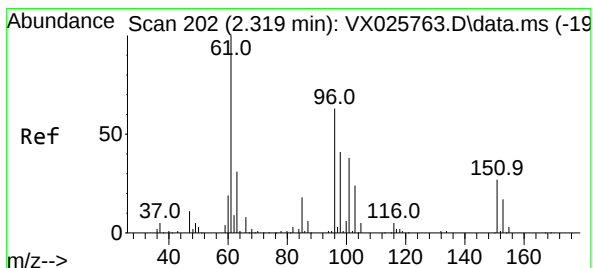
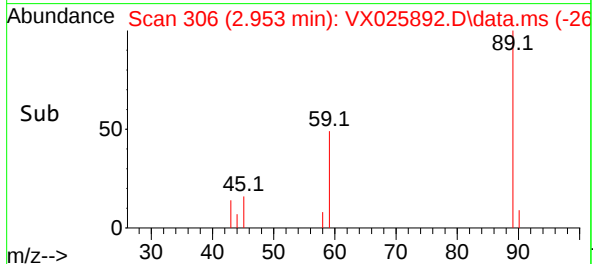
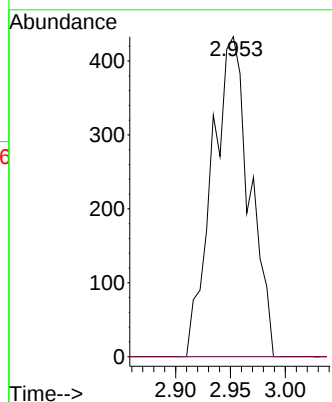
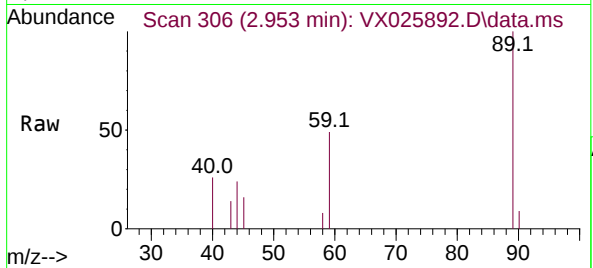




#11
Tert butyl alcohol
Concen: 2.824 ug/l
RT: 2.953 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

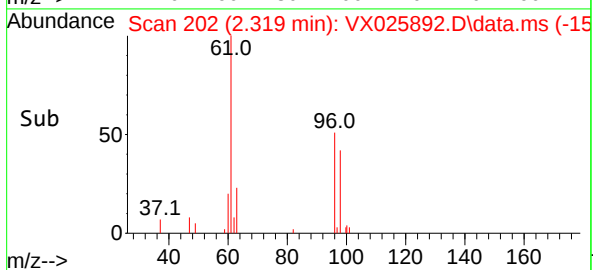
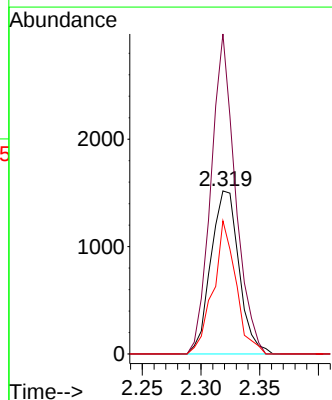
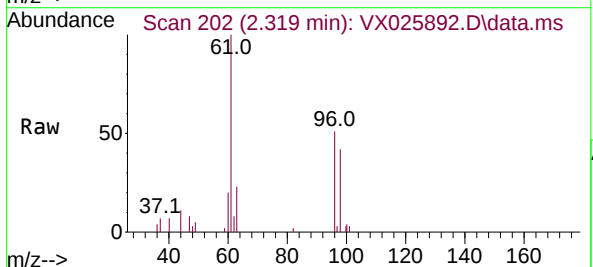
Instrument :
MSVOA_X
ClientSampleId :

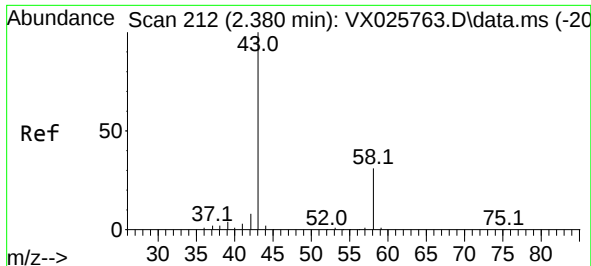
Tgt Ion: 59 Resp: 1036
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 1.884 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Tgt Ion: 96 Resp: 2534
Ion Ratio Lower Upper
96 100
61 196.2 127.5 191.3#
98 81.6 52.0 78.0#

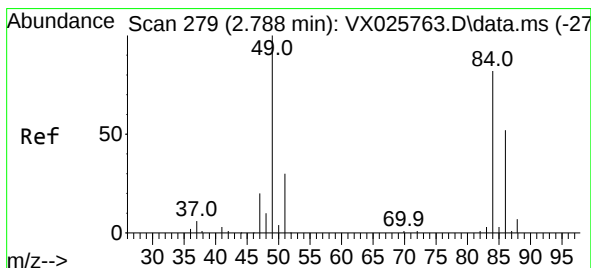
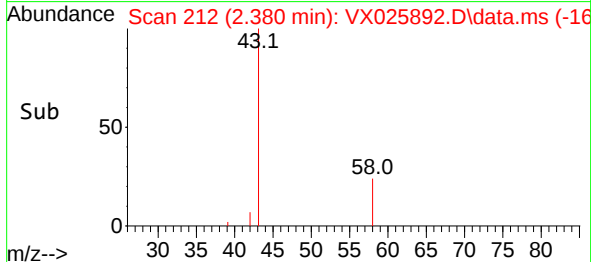
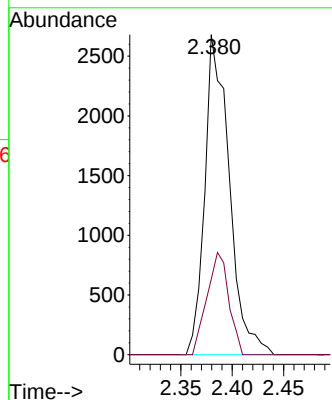
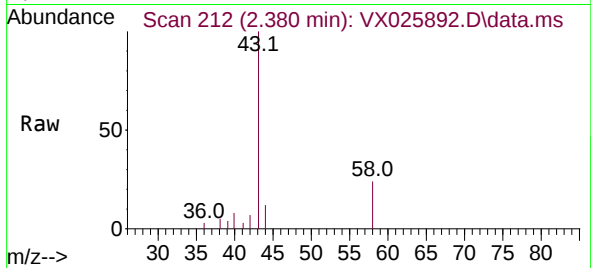




#16
 Acetone
 Concen: Below Cal
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX025892.D
 Acq: 17 Dec 2021 17:51

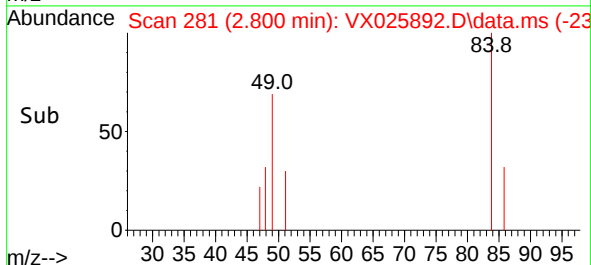
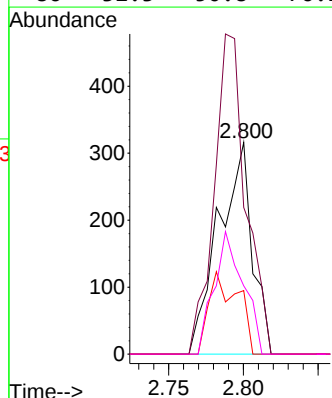
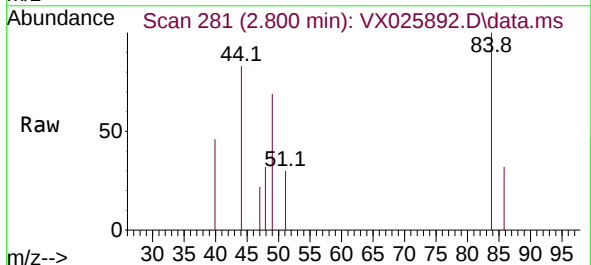
Instrument :
 MSVOA_X
 ClientSampleId :

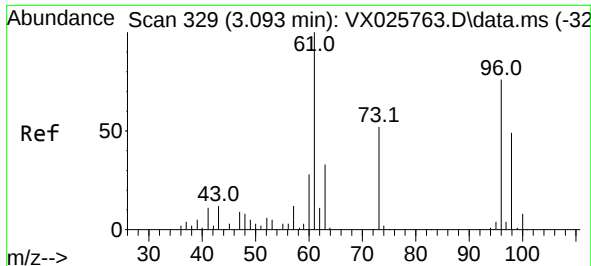
Tgt Ion: 43 Resp: 4439
 Ion Ratio Lower Upper
 43 100
 58 23.5 24.8 37.2#



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 2.800 min Scan# 281
 Delta R.T. 0.012 min
 Lab File: VX025892.D
 Acq: 17 Dec 2021 17:51

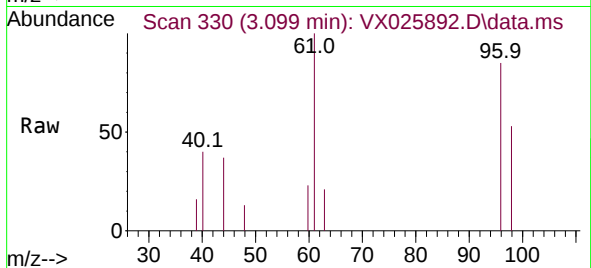
Tgt Ion: 84 Resp: 493
 Ion Ratio Lower Upper
 84 100
 49 69.3 97.1 145.7#
 51 30.1 29.3 43.9
 86 32.3 50.8 76.2#



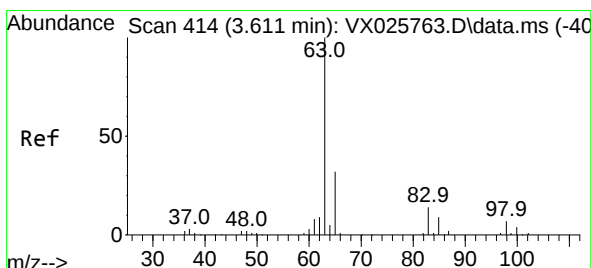
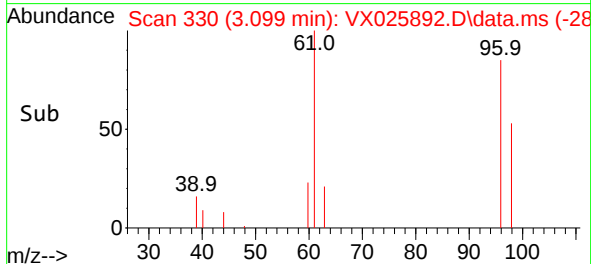
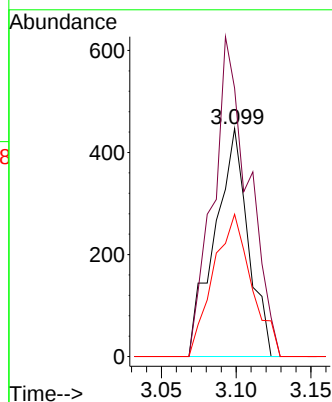


#21
trans-1,2-Dichloroethene
Concen: 0.461 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Instrument :
MSVOA_X
ClientSampleId :

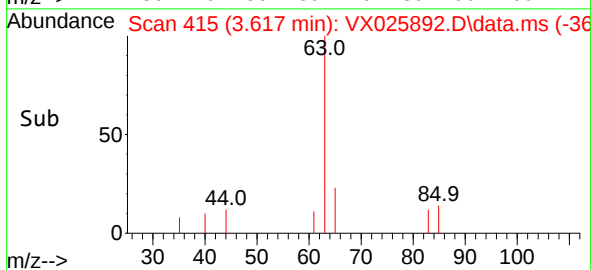
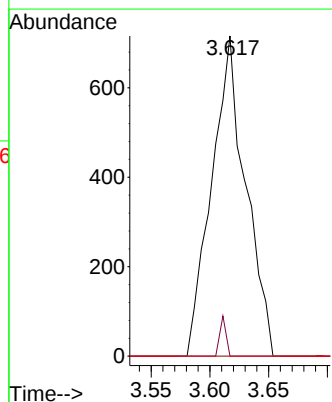
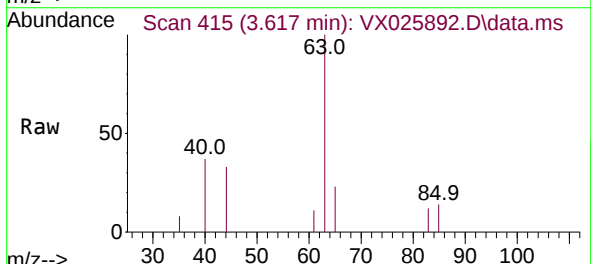


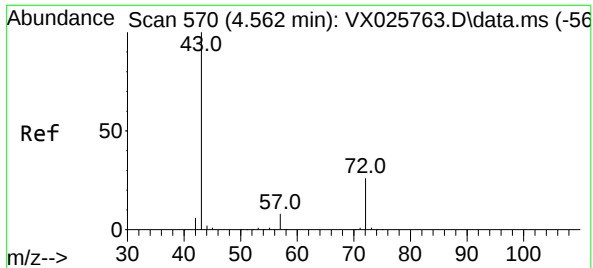
Tgt Ion: 96 Resp: 692
Ion Ratio Lower Upper
96 100
61 117.7 105.7 158.5
98 62.4 52.1 78.1



#24
1,1-Dichloroethane
Concen: 0.530 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Tgt Ion: 63 Resp: 1440
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.2 6.6#





#25

2-Butanone

Concen: 0.379 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX025892.D

Acq: 17 Dec 2021 17:51

Instrument :

MSVOA_X

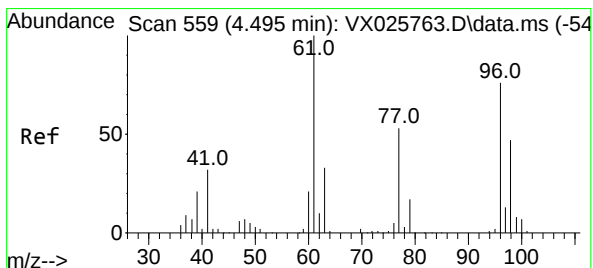
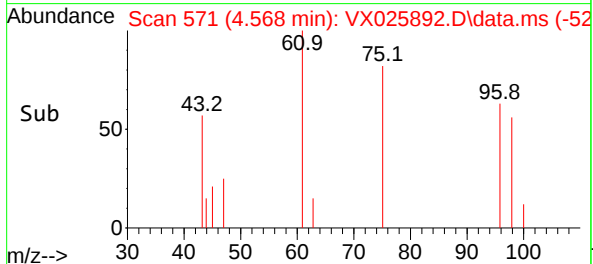
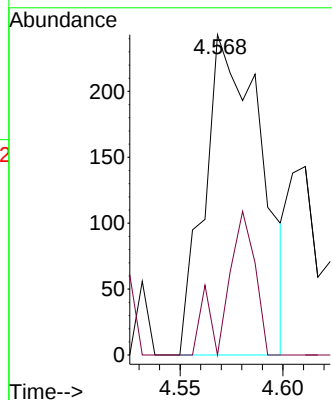
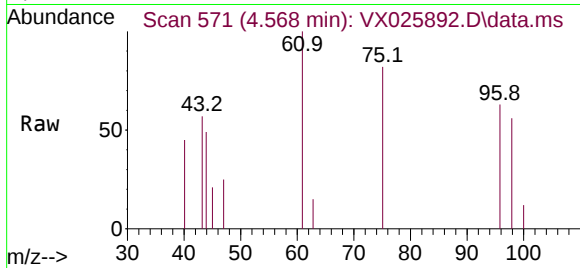
ClientSampleId :

Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#27

cis-1,2-Dichloroethene

Concen: 56.817 ug/l

RT: 4.495 min Scan# 559

Delta R.T. -0.000 min

Lab File: VX025892.D

Acq: 17 Dec 2021 17:51

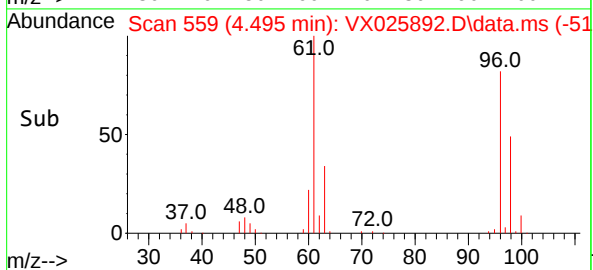
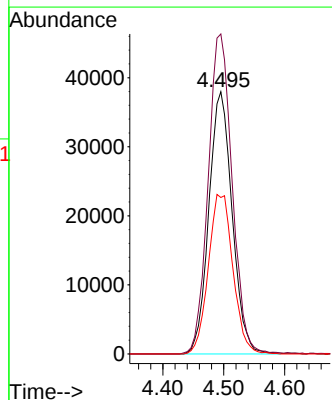
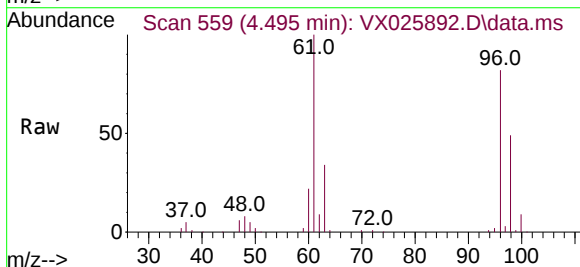
Tgt Ion: 96 Resp: 101151

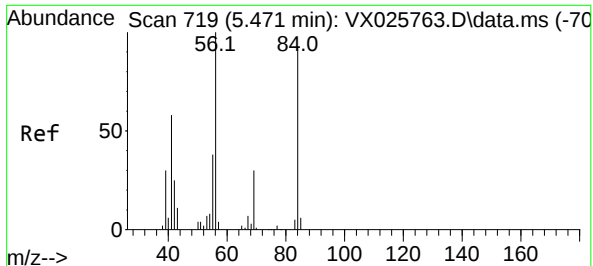
Ion Ratio Lower Upper

96 100

61 125.4 0.0 276.8

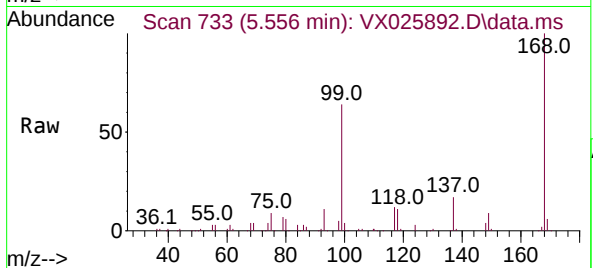
98 64.1 0.0 130.6



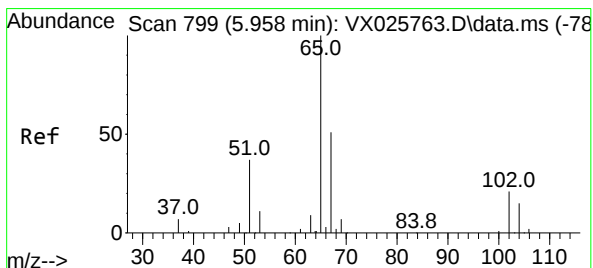
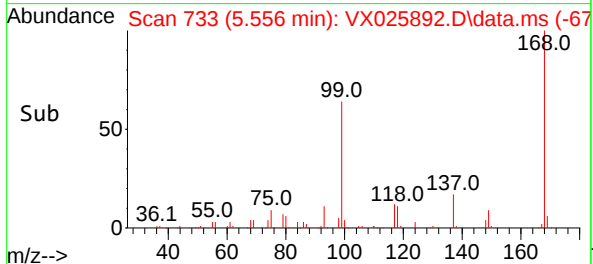
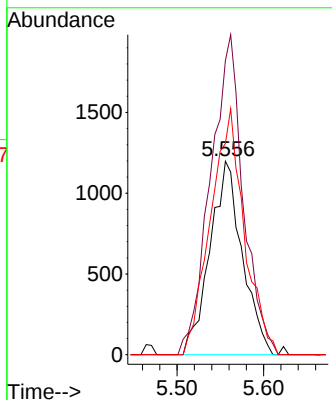


#31
Cyclohexane
Concen: 1.398 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Instrument :
MSVOA_X
ClientSampleId :

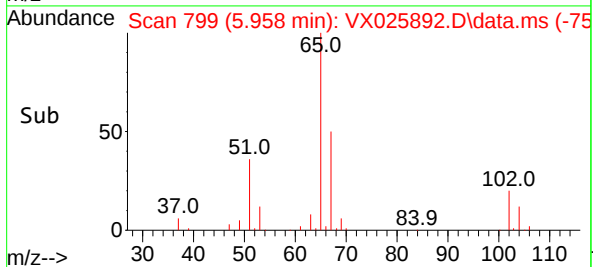
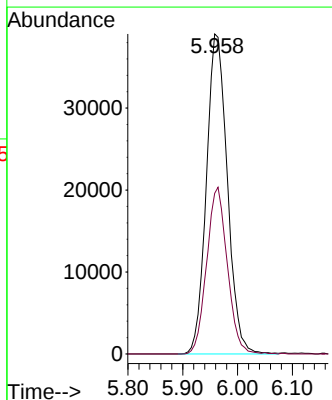
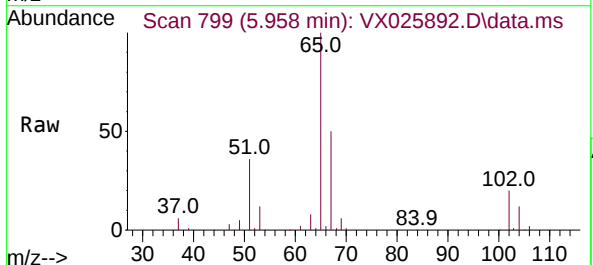


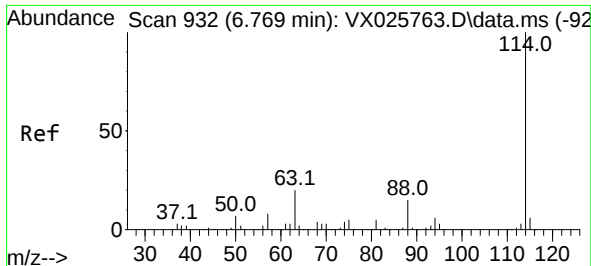
Tgt Ion: 56 Resp: 3108
Ion Ratio Lower Upper
56 100
69 152.0 23.9 35.9#
84 109.1 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 56.572 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

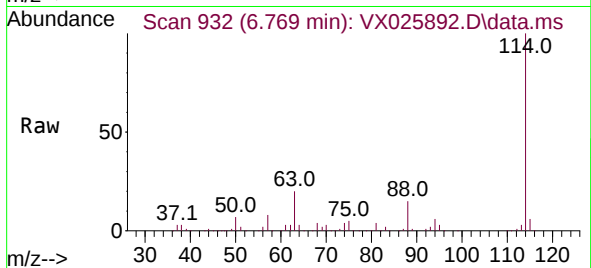
Tgt Ion: 65 Resp: 103442
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4



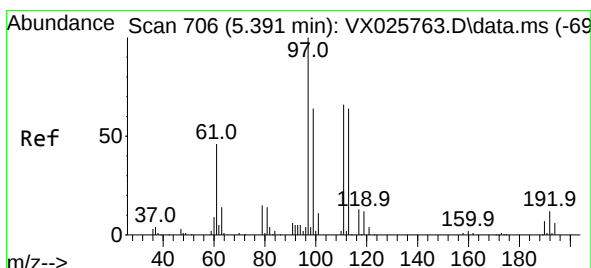
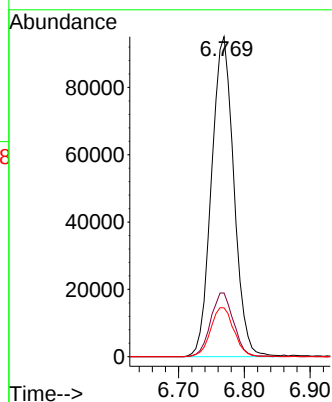
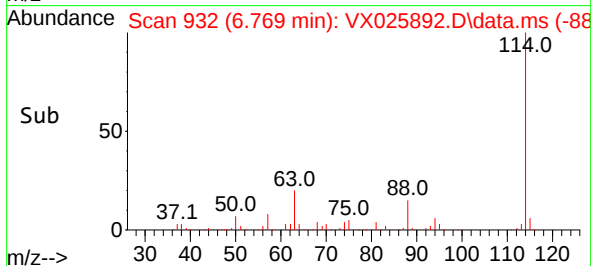


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Instrument :
MSVOA_X
ClientSampleId :

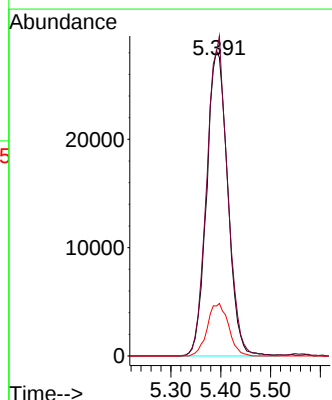
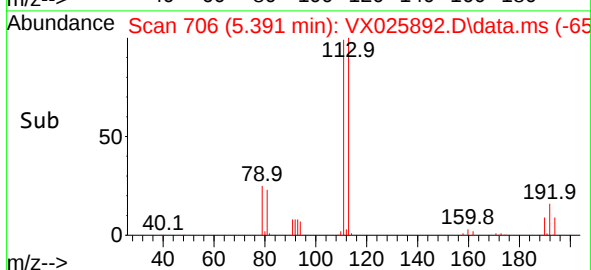
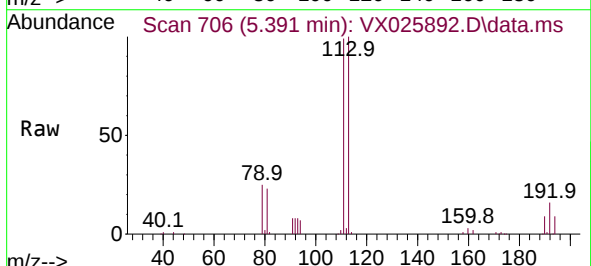


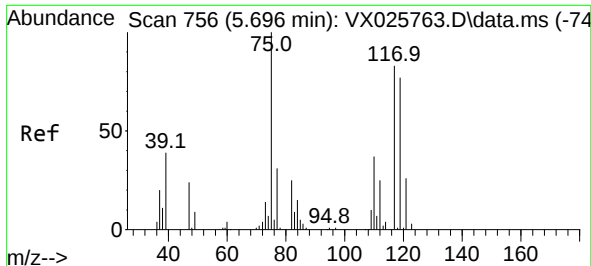
Tgt Ion:114 Resp: 224864
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.0
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.707 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Tgt Ion:113 Resp: 82657
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.8
192 17.3 15.0 22.4

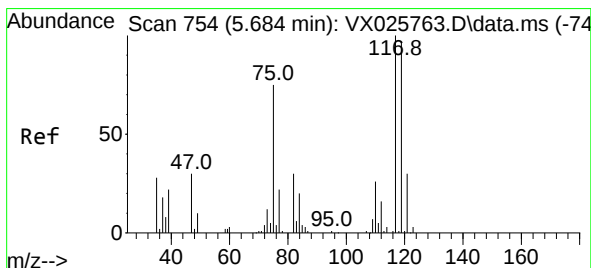
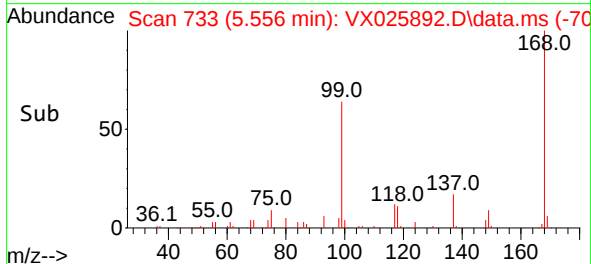
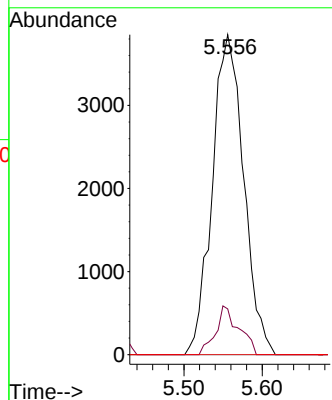
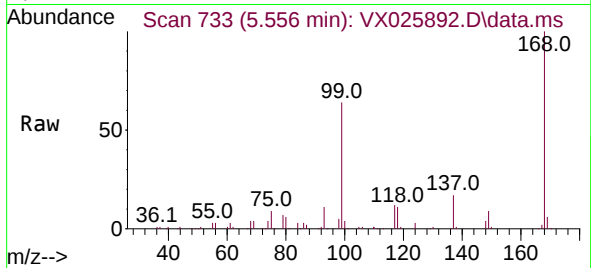




#36
1,1-Dichloropropene
Concen: 5.045 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

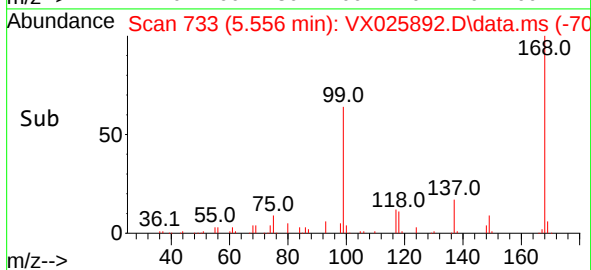
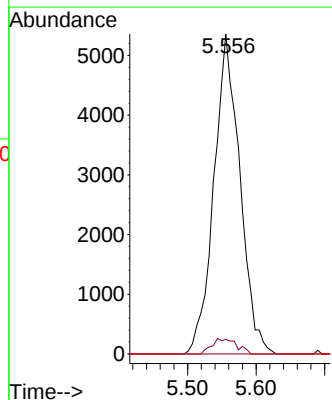
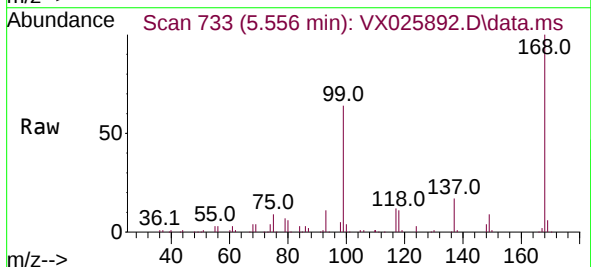
Instrument :
MSVOA_X
ClientSampleId :

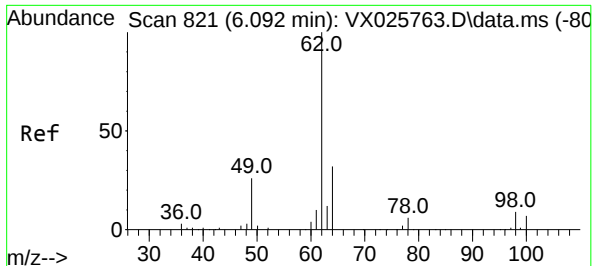
Tgt Ion: 75 Resp: 10730
Ion Ratio Lower Upper
75 100
110 11.2 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Tgt Ion: 117 Resp: 14103
Ion Ratio Lower Upper
117 100
119 4.6 77.2 115.8#
121 0.0 23.8 35.8#





#42

1,2-Dichloroethane

Concen: 0.351 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.000 min

Lab File: VX025892.D

Acq: 17 Dec 2021 17:51

Instrument :

MSVOA_X

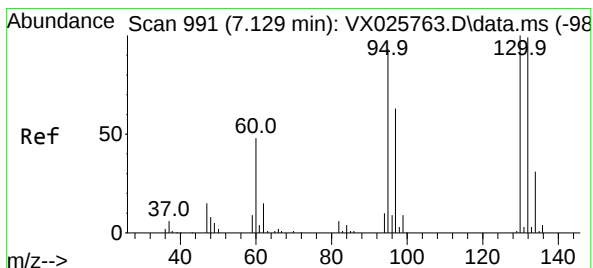
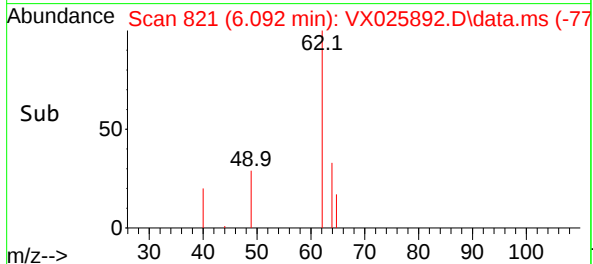
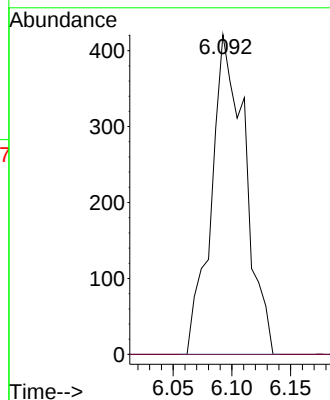
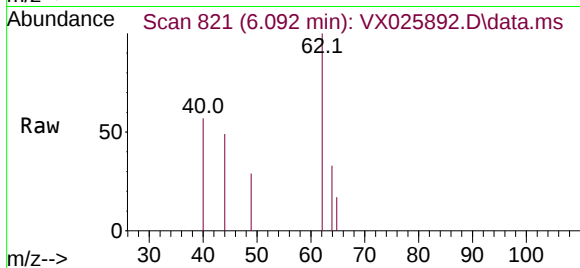
ClientSampleId :

Tgt Ion: 62 Resp: 846

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.8



#44

Trichloroethene

Concen: 21.358 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025892.D

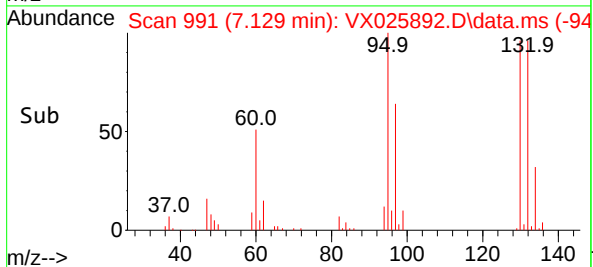
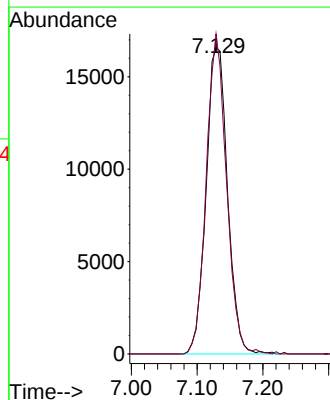
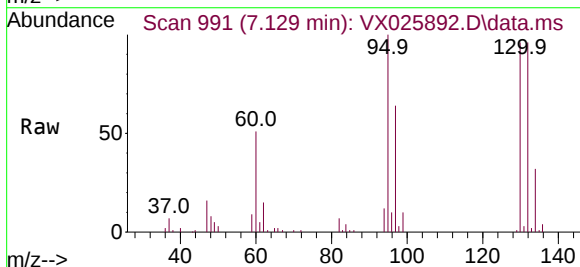
Acq: 17 Dec 2021 17:51

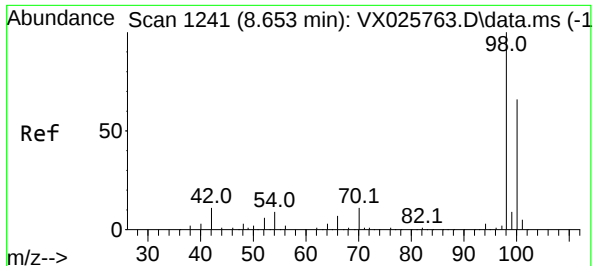
Tgt Ion:130 Resp: 37722

Ion Ratio Lower Upper

130 100

95 104.5 0.0 186.4





#50

Toluene-d8

Concen: 53.602 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025892.D

Acq: 17 Dec 2021 17:51

Instrument :

MSVOA_X

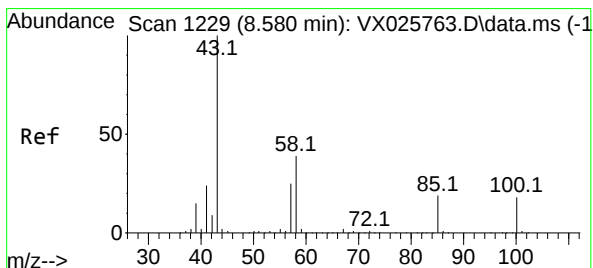
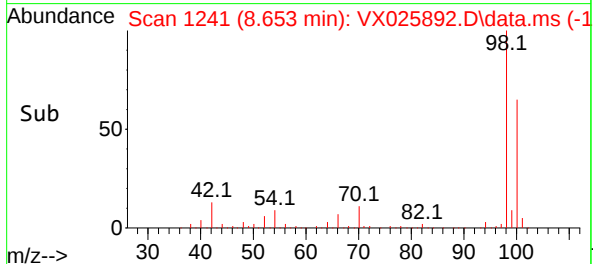
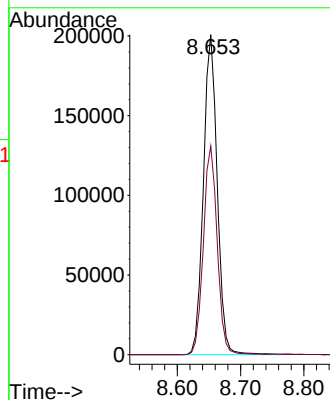
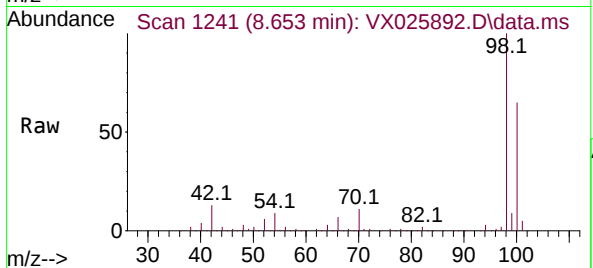
ClientSampleId :

Tgt Ion: 98 Resp: 306277

Ion Ratio Lower Upper

98 100

100 65.2 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.215 ug/l

RT: 8.586 min Scan# 1230

Delta R.T. 0.006 min

Lab File: VX025892.D

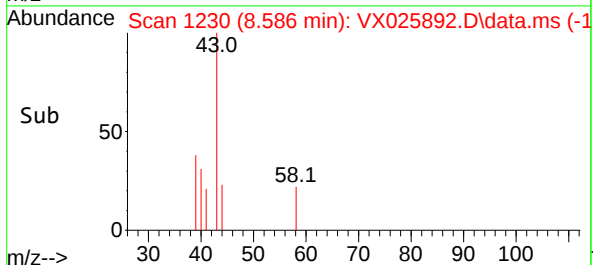
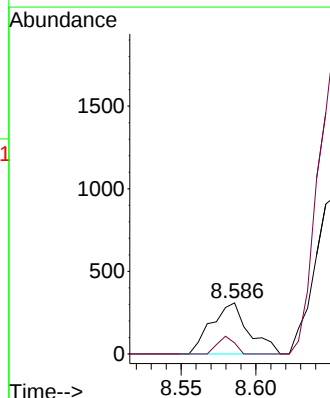
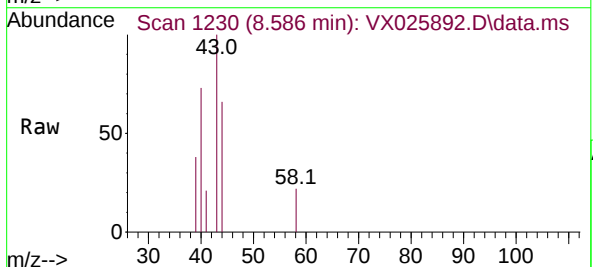
Acq: 17 Dec 2021 17:51

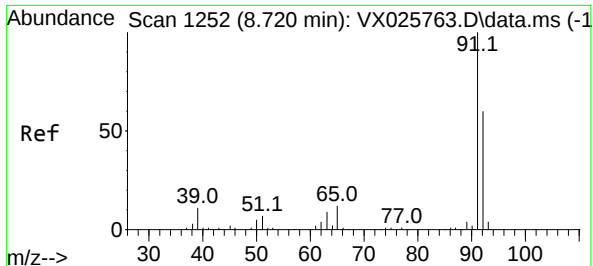
Tgt Ion: 43 Resp: 537

Ion Ratio Lower Upper

43 100

58 15.6 30.8 46.2#

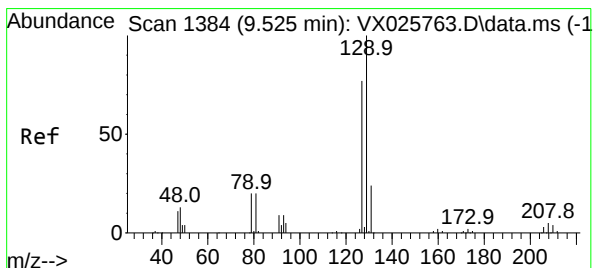
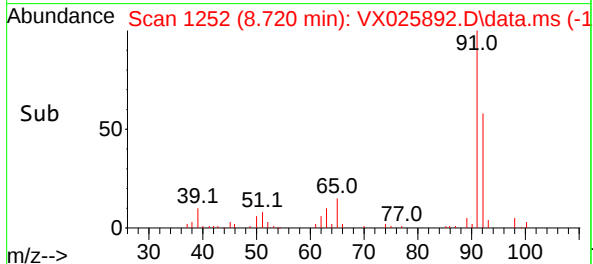
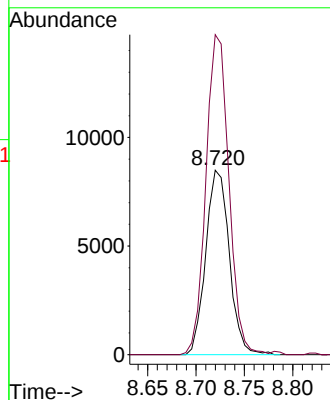
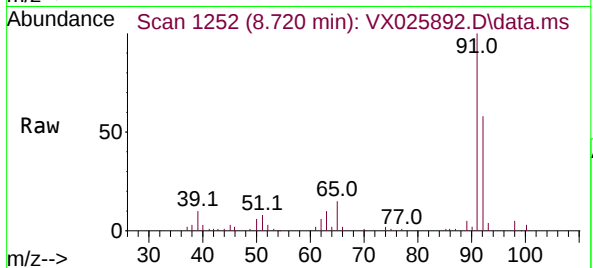




#52
Toluene
Concen: 3.563 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

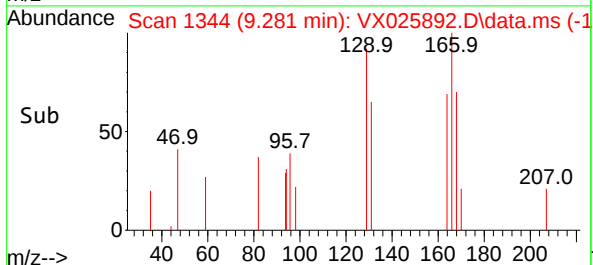
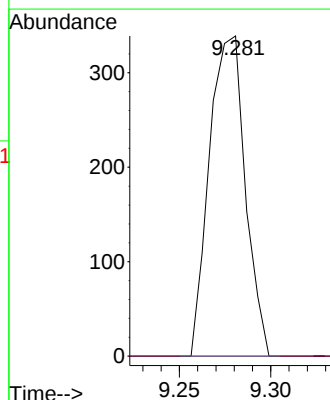
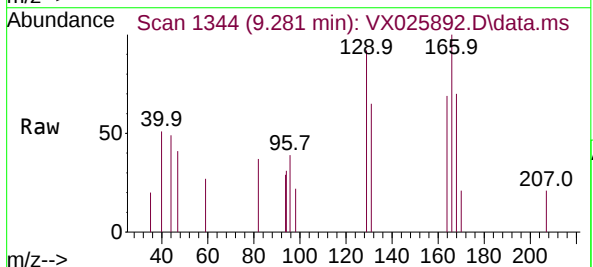
Instrument :
MSVOA_X
ClientSampleId :

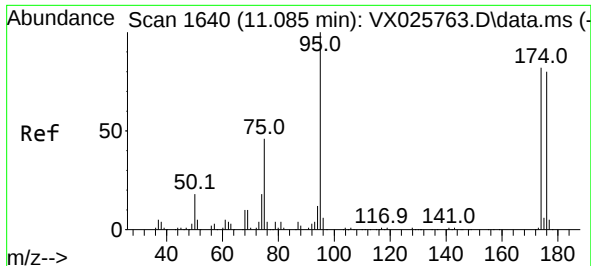
Tgt Ion: 92 Resp: 14404
Ion Ratio Lower Upper
92 100
91 168.8 136.0 204.0



#60
Dibromochloromethane
Concen: 0.235 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Tgt Ion:129 Resp: 463
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#





#62

4-Bromofluorobenzene

Concen: 47.962 ug/l

RT: 11.085 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX025892.D

Acq: 17 Dec 2021 17:51

Instrument :

MSVOA_X

ClientSampleId :

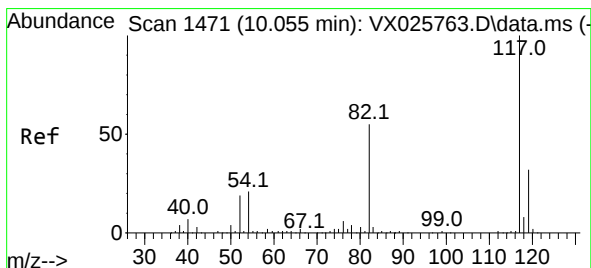
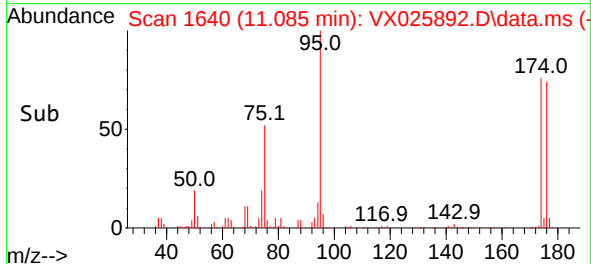
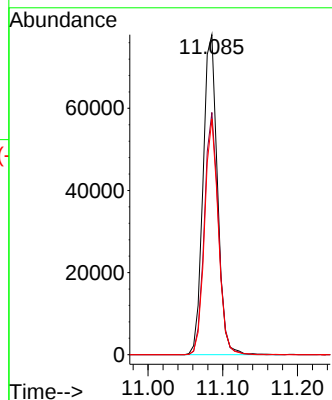
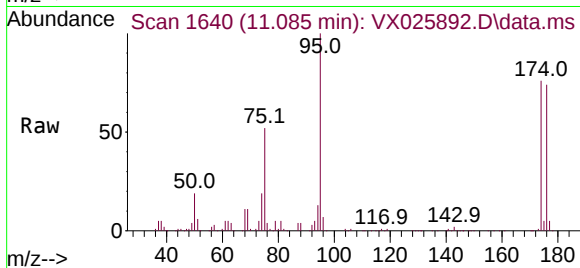
Tgt Ion: 95 Resp: 104102

Ion Ratio Lower Upper

95 100

174 74.0 0.0 157.4

176 70.4 0.0 154.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX025892.D

Acq: 17 Dec 2021 17:51

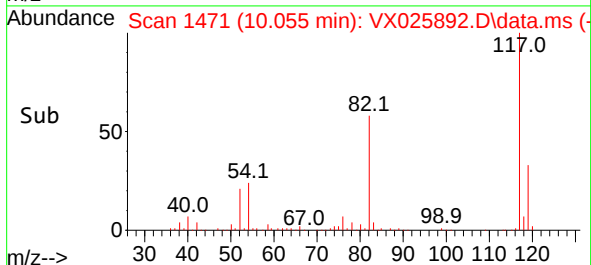
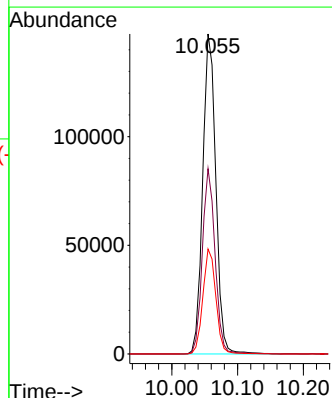
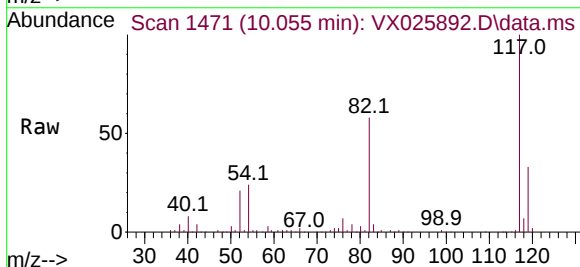
Tgt Ion: 117 Resp: 203818

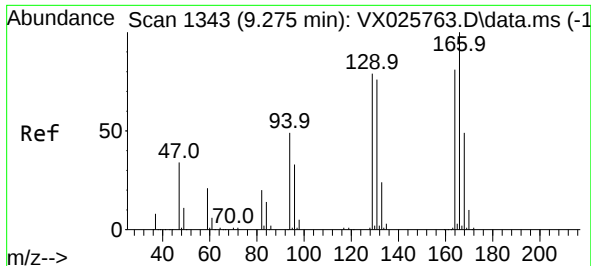
Ion Ratio Lower Upper

117 100

82 57.9 43.8 65.6

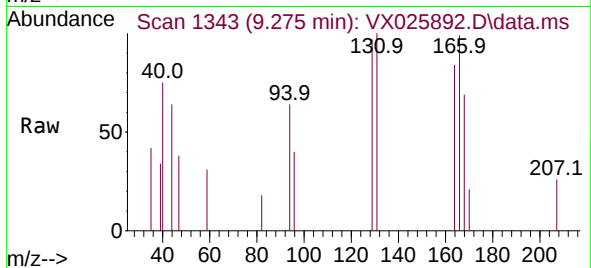
119 32.8 25.2 37.8



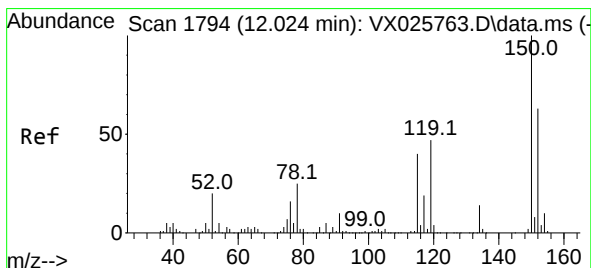
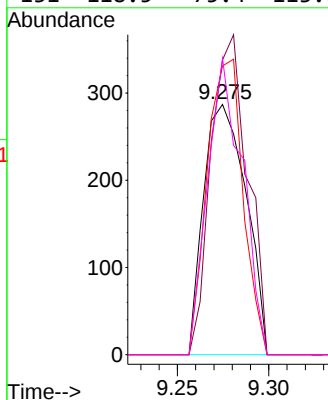
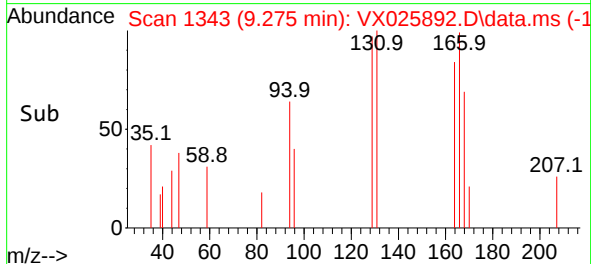


#64
Tetrachloroethene
Concen: 0.285 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

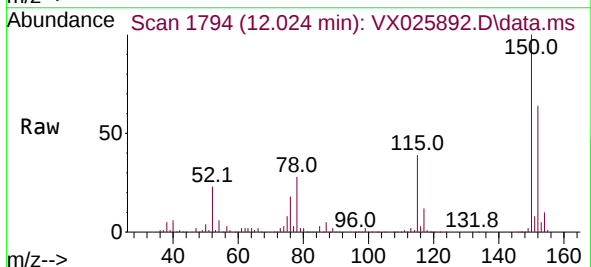
Instrument :
MSVOA_X
ClientSampleId :



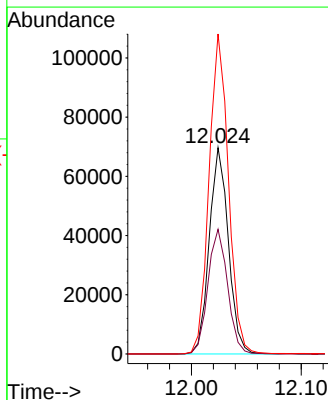
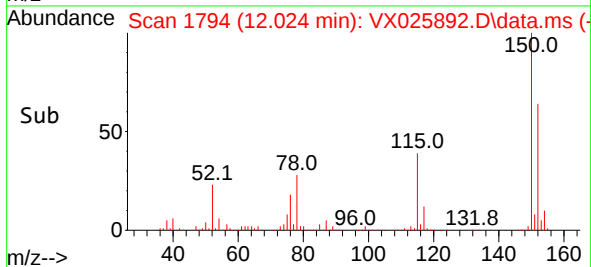
Tgt Ion:164 Resp: 463
Ion Ratio Lower Upper
164 100
166 117.8 99.4 149.0
129 115.3 78.6 118.0
131 118.5 75.4 113.0#

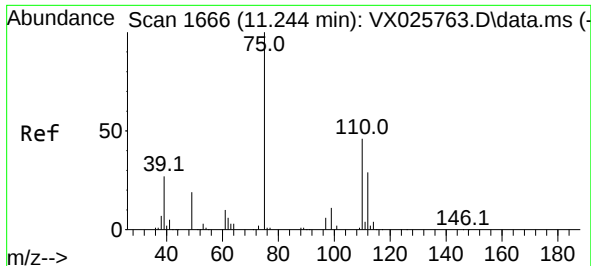


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51



Tgt Ion:152 Resp: 84333
Ion Ratio Lower Upper
152 100
115 62.2 41.3 123.9
150 157.9 0.0 351.8

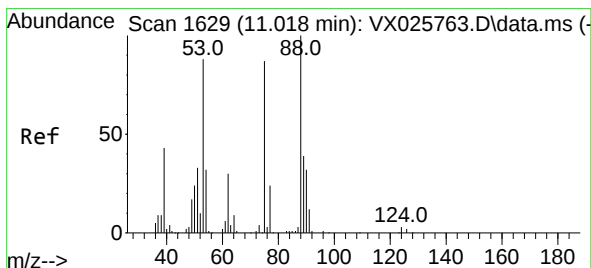
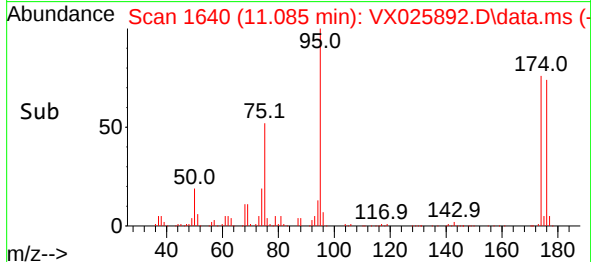
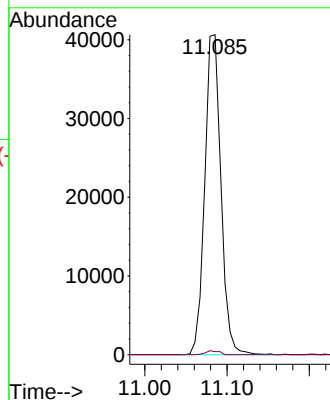
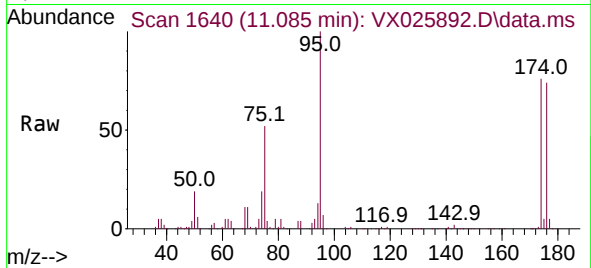




#76
1,2,3-Trichloropropane
Concen: 28.739 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

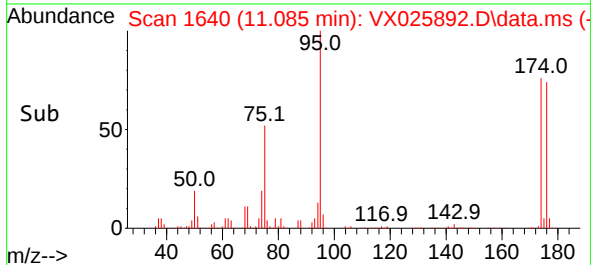
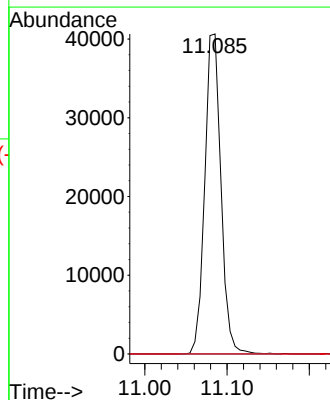
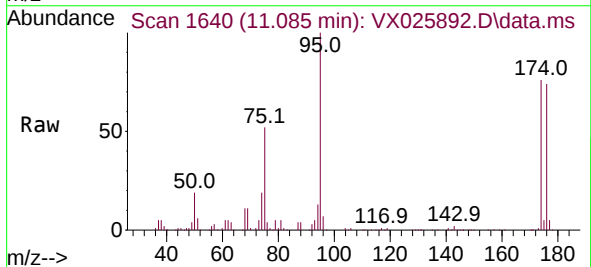
Instrument :
MSVOA_X
ClientSampleId :

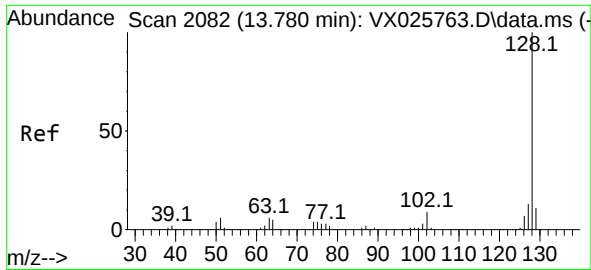
Tgt Ion: 75 Resp: 55530
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.099 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025892.D
Acq: 17 Dec 2021 17:51

Tgt Ion: 75 Resp: 55530
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#





#95

Naphthalene

Concen: 2.457 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.006 min

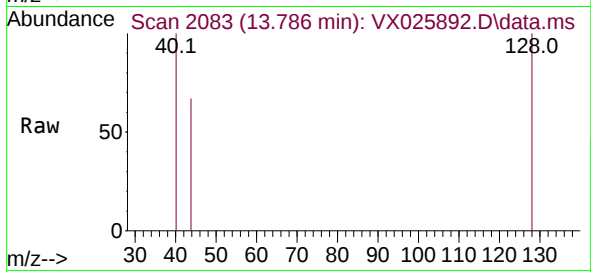
Lab File: VX025892.D

Acq: 17 Dec 2021 17:51

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 275

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

