

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025843.D
 Acq On : 16 Dec 2021 03:36
 Operator : JC/MD
 Sample : M5084-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C6

Quant Time: Dec 16 07:35:53 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)

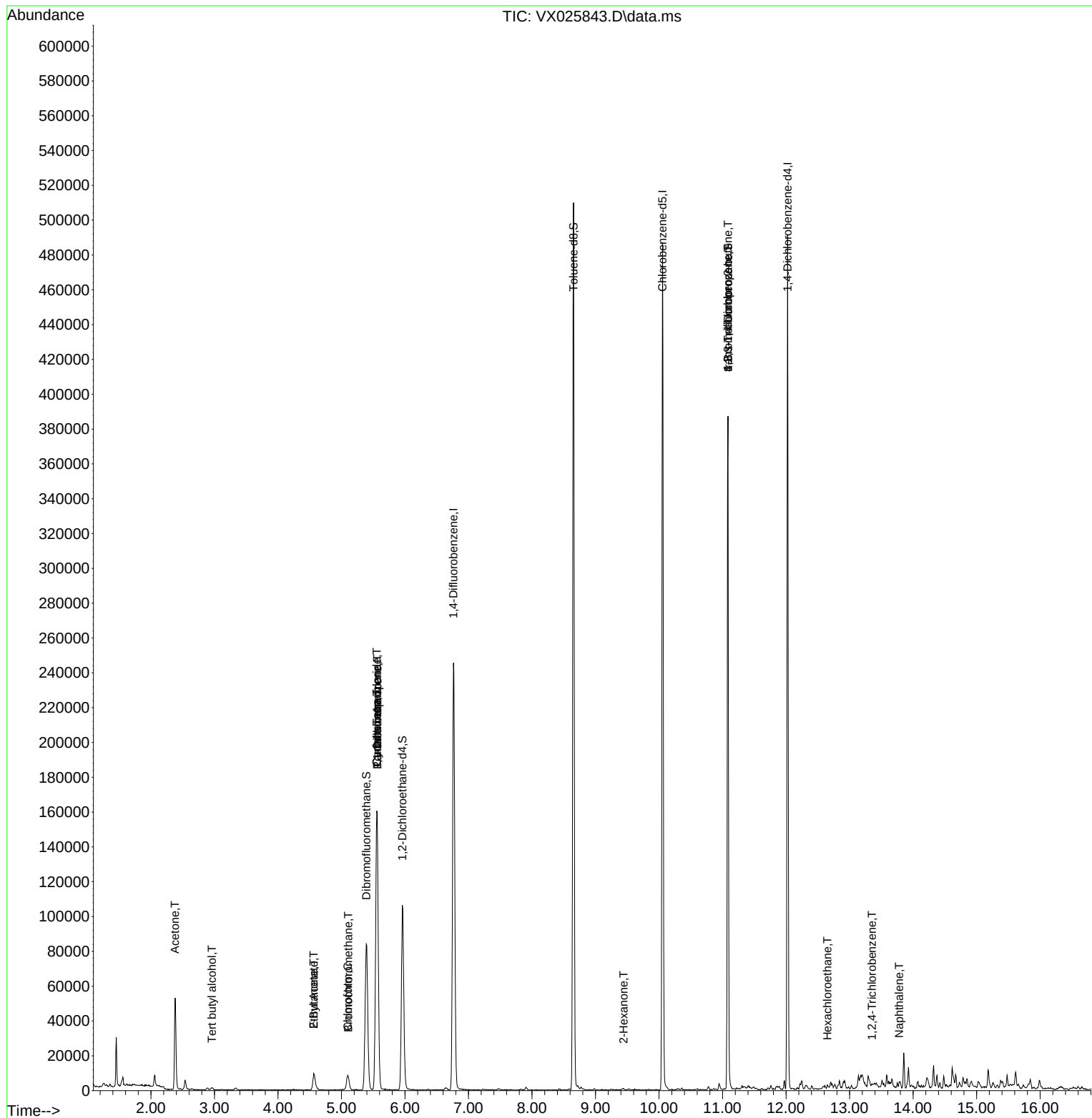
Internal Standards						
1) Pentafluorobenzene	5.562	168	154199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258018	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96750	43.608	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	87.220%	
35) Dibromofluoromethane	5.391	113	73732	40.975	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	81.940%	
50) Toluene-d8	8.653	98	300254	45.796	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	91.600%#	
62) 4-Bromofluorobenzene	11.085	95	100565	40.379	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	80.760%#	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	1278	2.872	ug/l #	81
16) Acetone	2.380	43	54729	39.347	ug/l	98
20) Methylene Chloride	2.788	84	28	Below Cal	#	59
25) 2-Butanone	4.562	43	16754	11.228	ug/l	91
28) Bromochloromethane	5.105	49	833	0.560	ug/l #	10
30) Chloroform	5.099	83	9955	2.751	ug/l	98
31) Cyclohexane	5.556	56	3306	1.225	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11934	4.890	ug/l #	49
37) Ethyl Acetate	4.562	43	16754	6.180	ug/l #	69
38) Carbon Tetrachloride	5.556	117	15912	5.604	ug/l #	15
59) 2-Hexanone	9.439	43	630	0.291	ug/l	76
76) 1,2,3-Trichloropropane	11.085	75	51884	23.365	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51884	72.438	ug/l #	10
90) Hexachloroethane	12.652	117	251	0.221	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.353	180	123	3.430	ug/l #	13
95) Naphthalene	13.780	128	2042	2.705	ug/l #	93

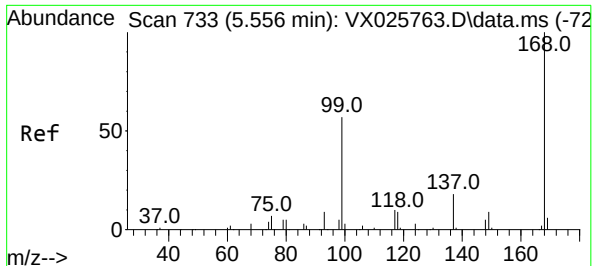
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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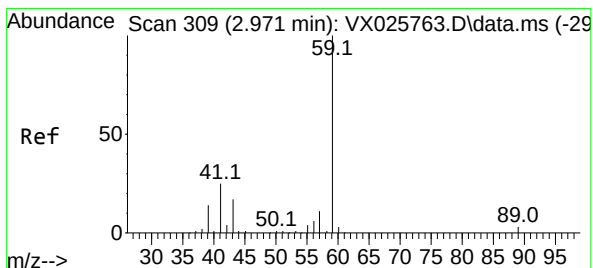
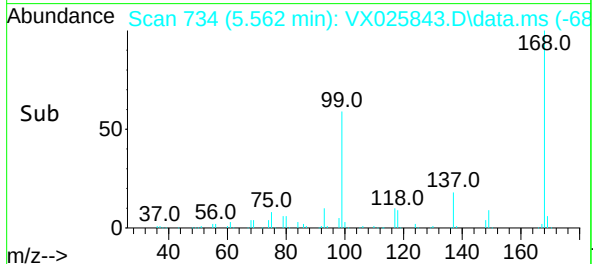
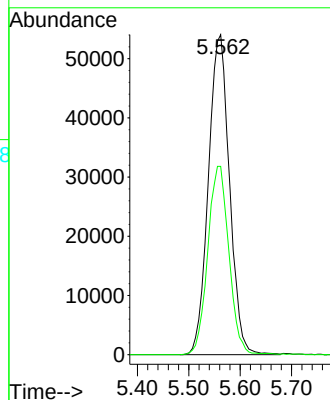
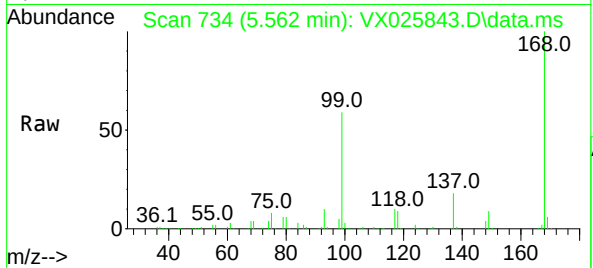




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

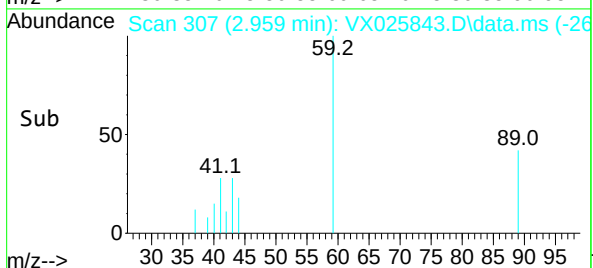
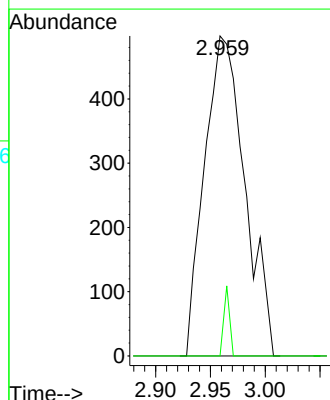
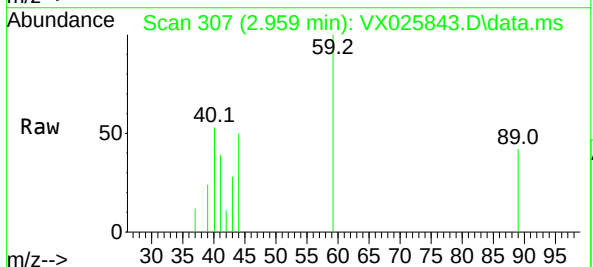
Instrument :
MSVOA_X
ClientSampleId :
C6

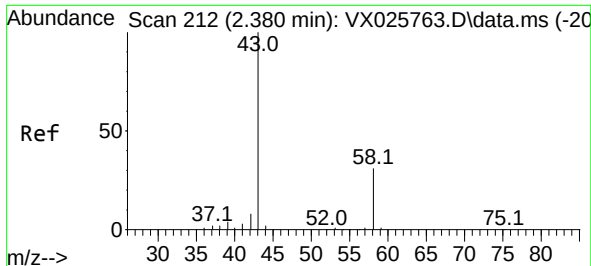
Tgt Ion:168 Resp: 154199
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.8



#11
Tert butyl alcohol
Concen: 2.872 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

Tgt Ion: 59 Resp: 1278
Ion Ratio Lower Upper
59 100
57 3.1 8.2 12.2#

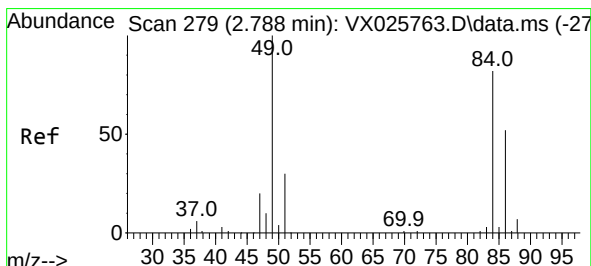
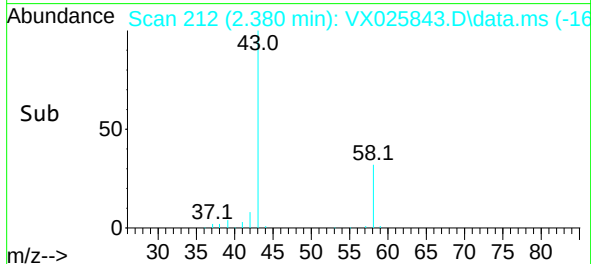
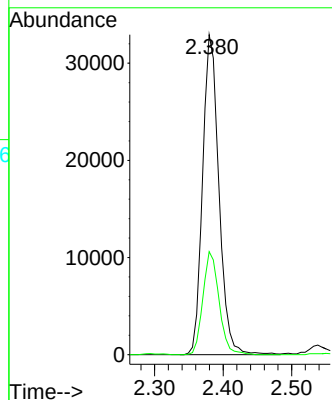
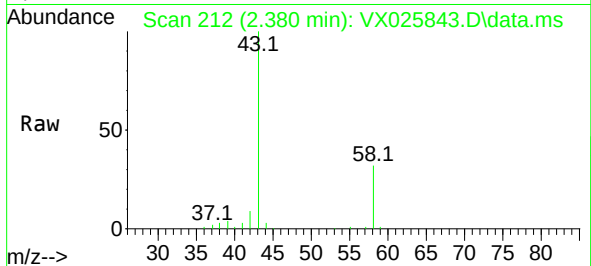




#16
Acetone
Concen: 39.347 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

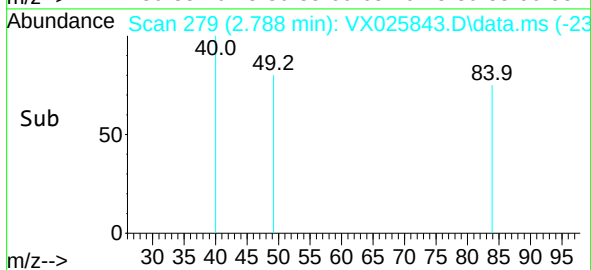
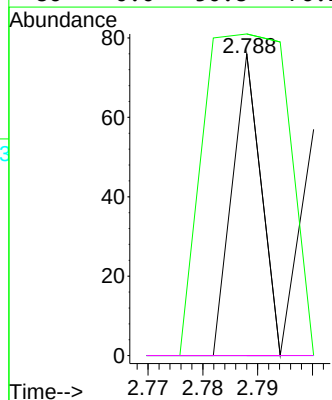
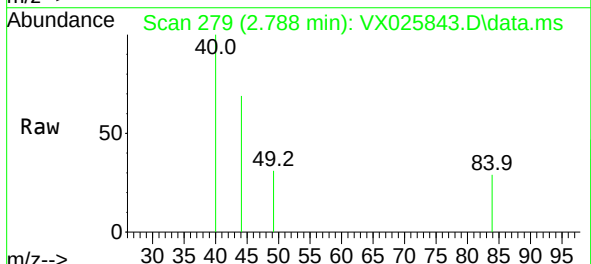
Instrument :
MSVOA_X
ClientSampleId :
C6

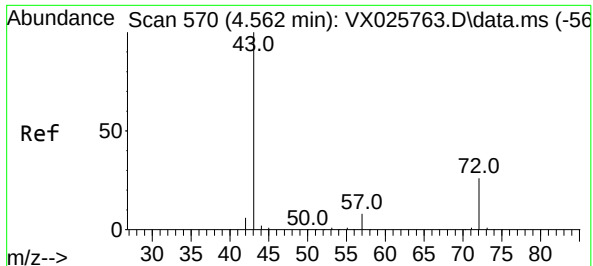
Tgt Ion: 43 Resp: 54729
Ion Ratio Lower Upper
43 100
58 32.2 24.8 37.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

Tgt Ion: 84 Resp: 28
Ion Ratio Lower Upper
84 100
49 106.6 97.1 145.7
51 0.0 29.3 43.9#
86 0.0 50.8 76.2#





#25

2-Butanone

Concen: 11.228 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX025843.D

Acq: 16 Dec 2021 03:36

Instrument :

MSVOA_X

ClientSampleId :

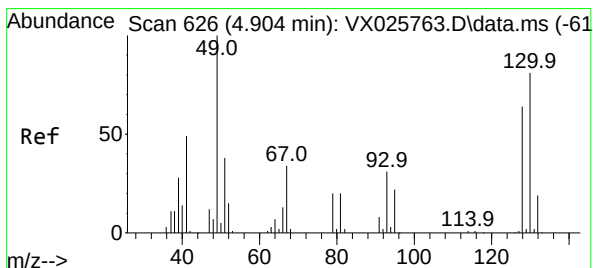
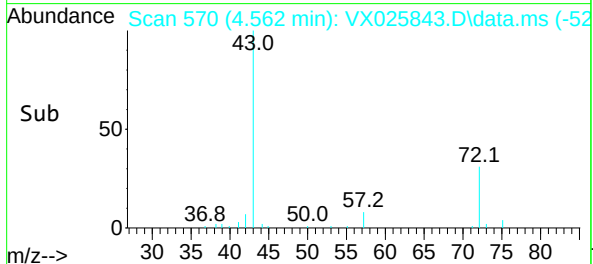
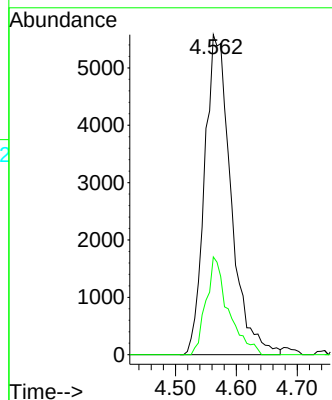
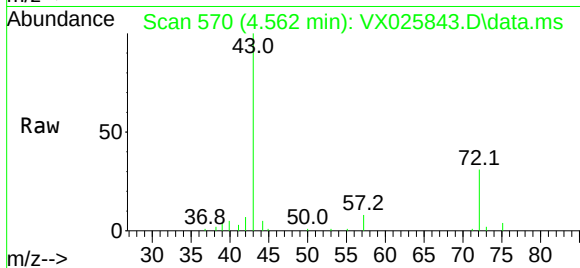
C6

Tgt Ion: 43 Resp: 16754

Ion Ratio Lower Upper

43 100

72 30.6 21.0 31.4



#28

Bromochloromethane

Concen: 0.560 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.201 min

Lab File: VX025843.D

Acq: 16 Dec 2021 03:36

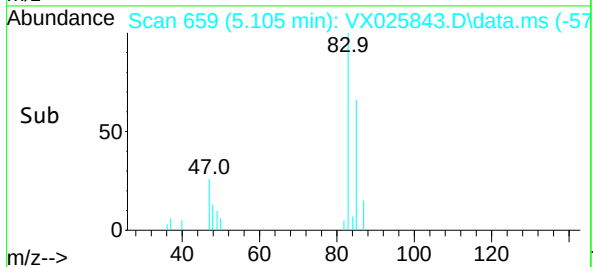
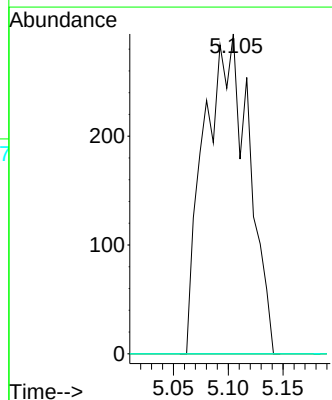
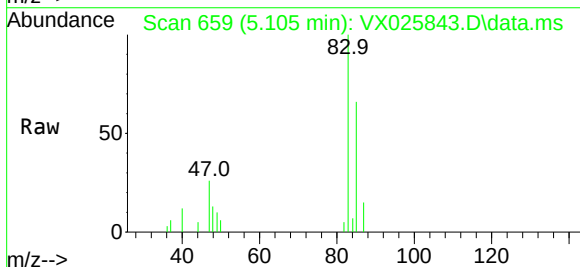
Tgt Ion: 49 Resp: 833

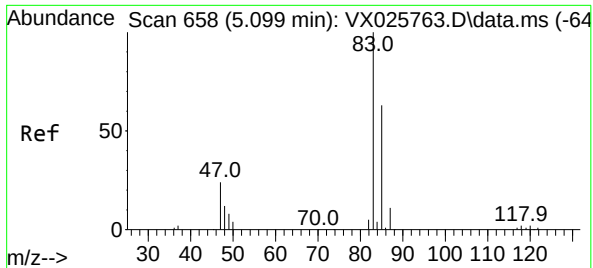
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 0.0 67.1 100.7#





#30

Chloroform

Concen: 2.751 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX025843.D

Acq: 16 Dec 2021 03:36

Instrument :

MSVOA_X

ClientSampleId :

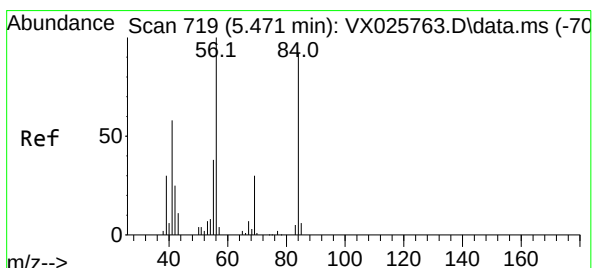
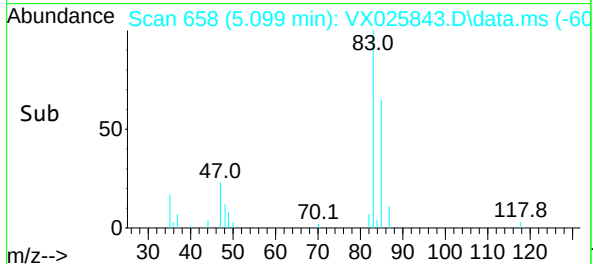
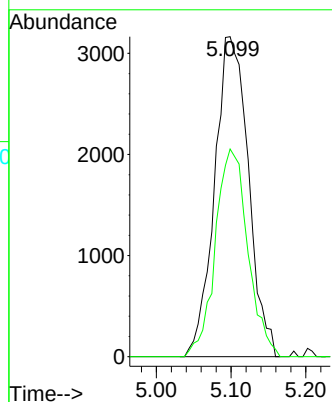
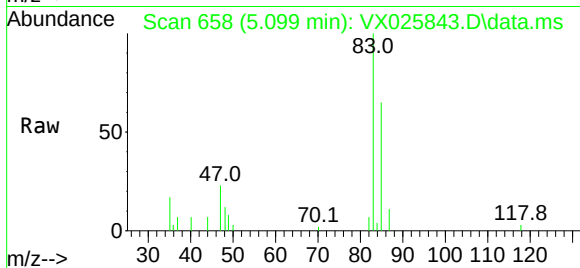
C6

Tgt Ion: 83 Resp: 9955

Ion Ratio Lower Upper

83 100

85 64.9 50.6 75.8



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025843.D

Acq: 16 Dec 2021 03:36

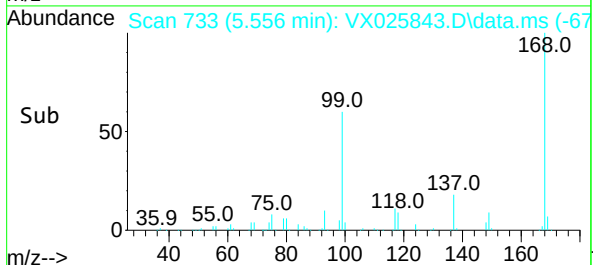
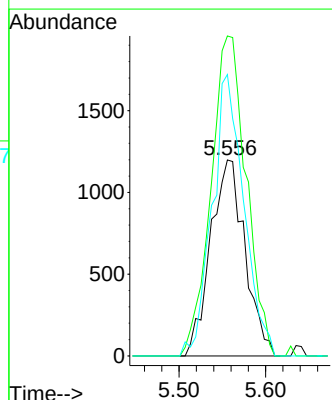
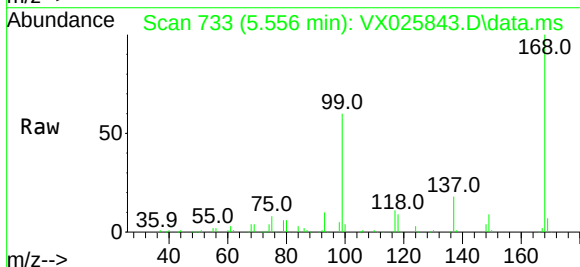
Tgt Ion: 56 Resp: 3306

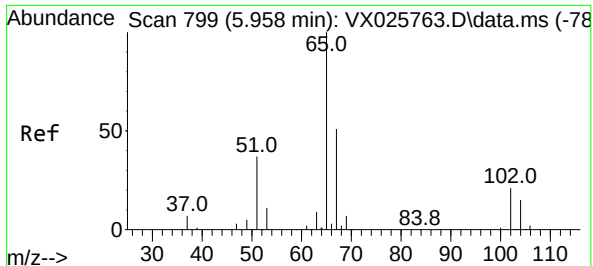
Ion Ratio Lower Upper

56 100

69 163.2 23.9 35.9#

84 143.5 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 43.608 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025843.D

Acq: 16 Dec 2021 03:36

Instrument :

MSVOA_X

ClientSampleId :

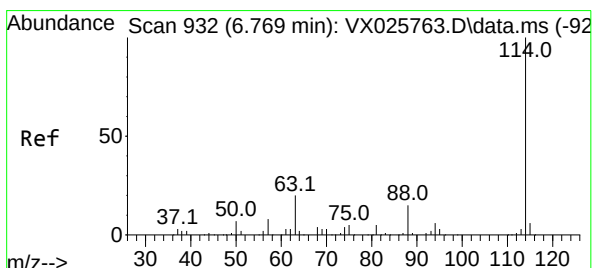
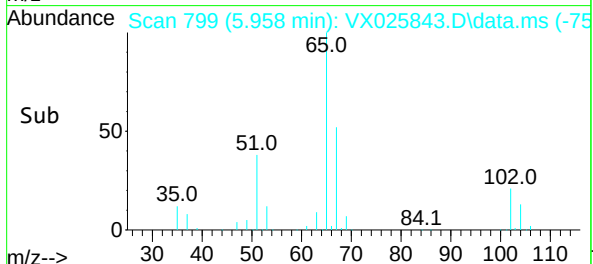
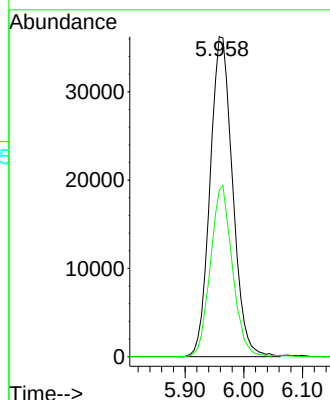
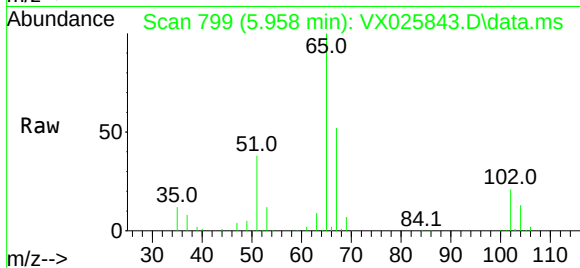
C6

Tgt Ion: 65 Resp: 96750

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX025843.D

Acq: 16 Dec 2021 03:36

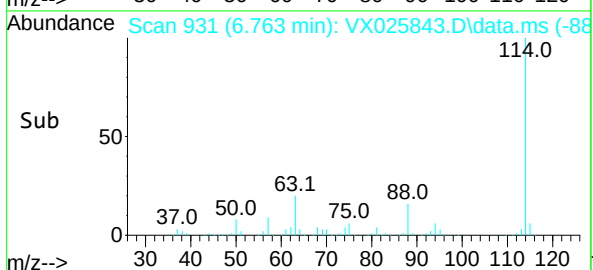
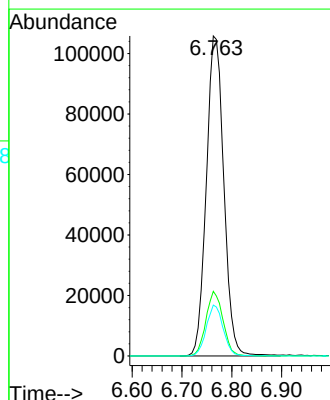
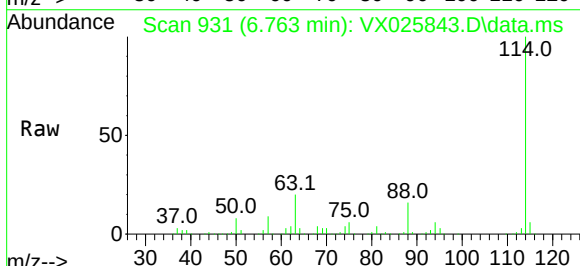
Tgt Ion: 114 Resp: 258018

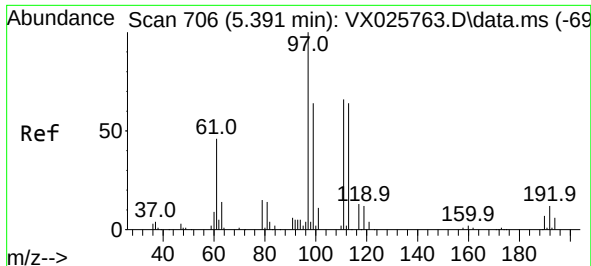
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 40.975 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025843.D

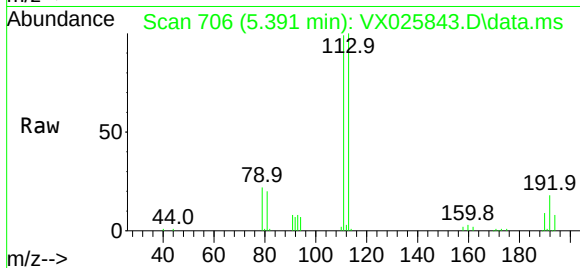
Acq: 16 Dec 2021 03:36

Instrument :

MSVOA_X

ClientSampleId :

C6



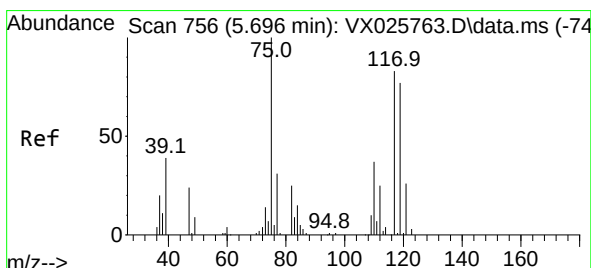
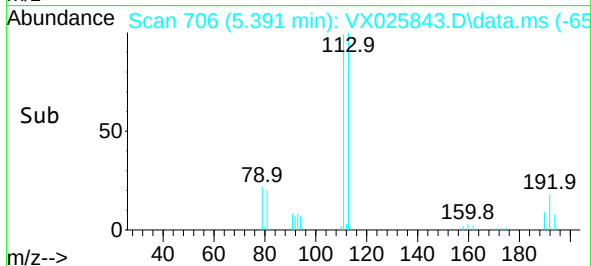
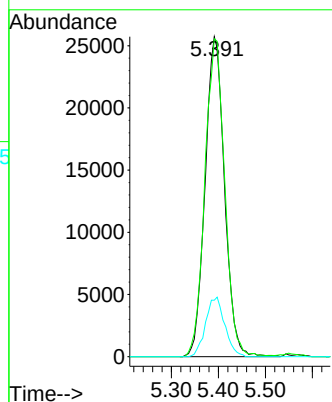
Tgt Ion:113 Resp: 73732

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

192 18.4 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX025843.D

Acq: 16 Dec 2021 03:36

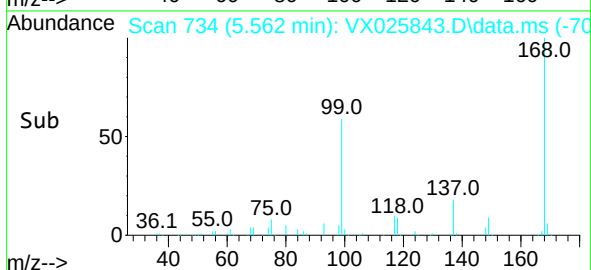
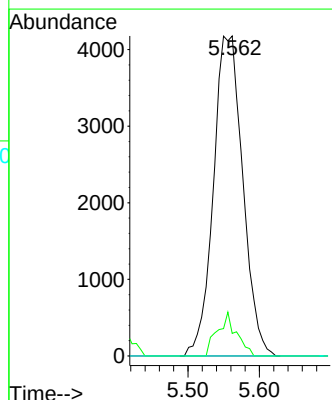
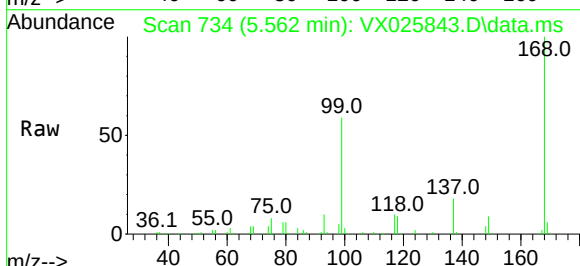
Tgt Ion: 75 Resp: 11934

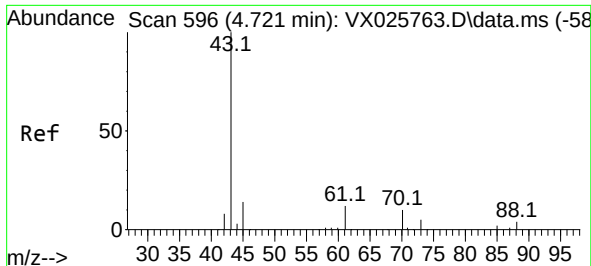
Ion Ratio Lower Upper

75 100

110 8.8 18.2 54.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 6.180 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.159 min

Lab File: VX025843.D

Acq: 16 Dec 2021 03:36

Instrument :

MSVOA_X

ClientSampleId :

C6

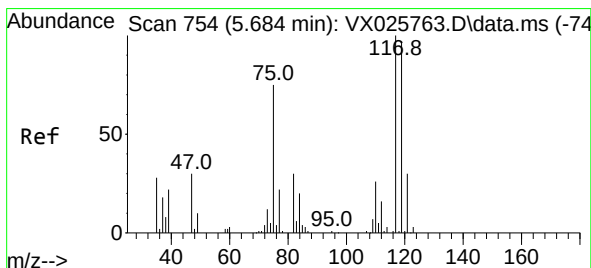
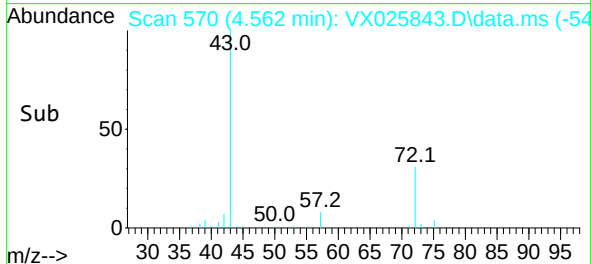
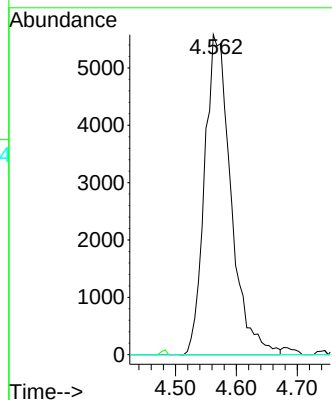
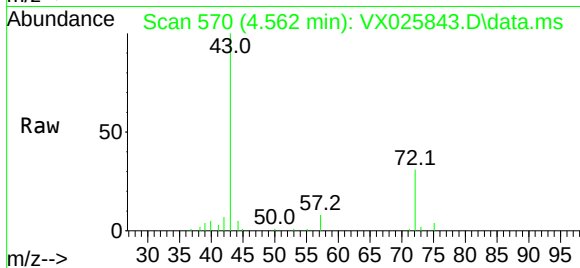
Tgt Ion: 43 Resp: 16754

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 5.604 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX025843.D

Acq: 16 Dec 2021 03:36

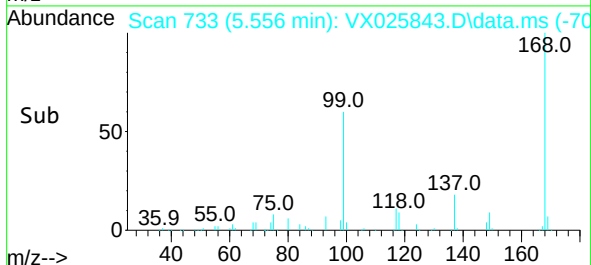
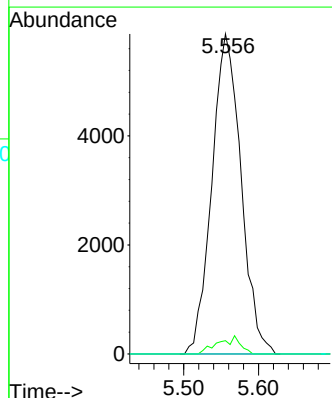
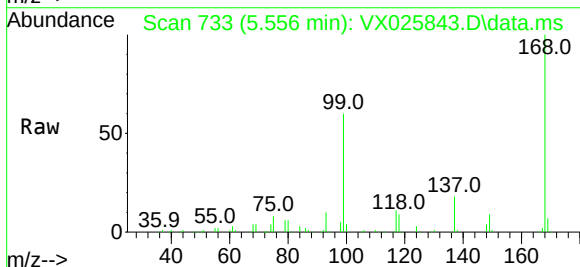
Tgt Ion: 117 Resp: 15912

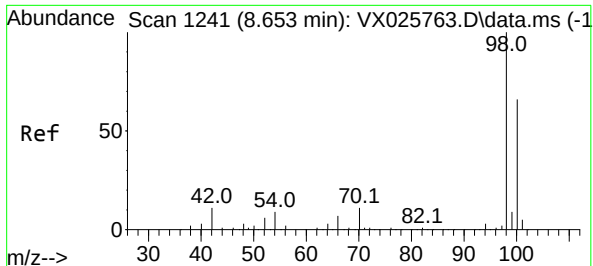
Ion Ratio Lower Upper

117 100

119 4.2 77.2 115.8#

121 0.0 23.8 35.8#

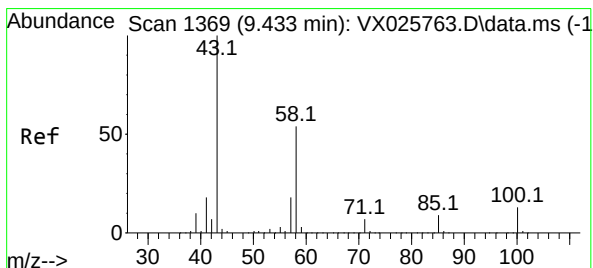
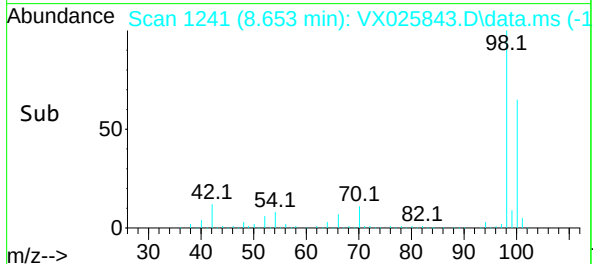
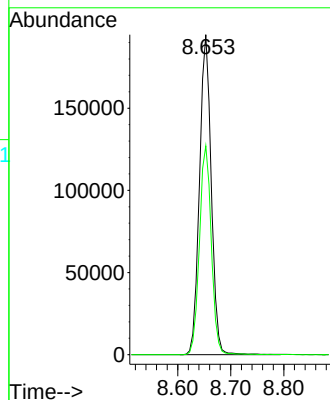
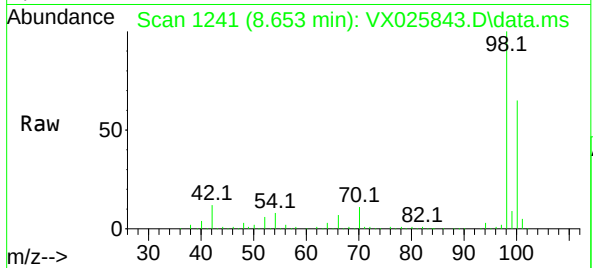




#50
Toluene-d8
Concen: 45.796 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

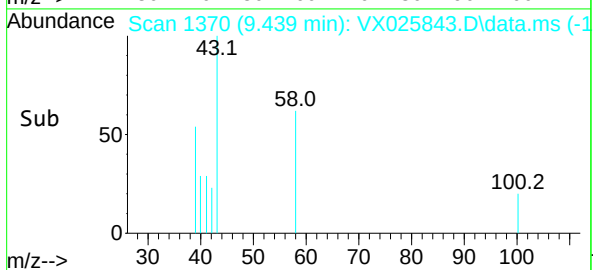
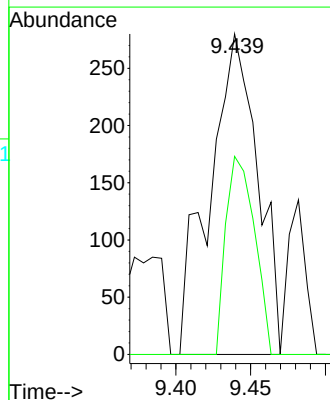
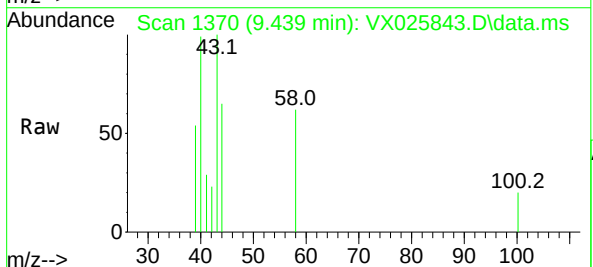
Instrument :
MSVOA_X
ClientSampleId :
C6

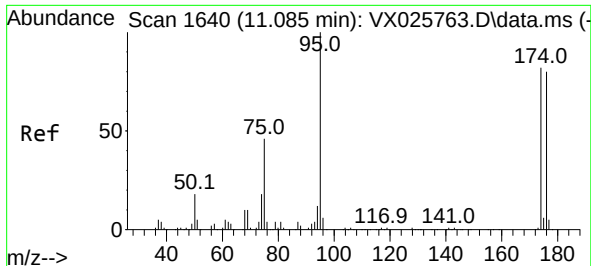
Tgt Ion: 98 Resp: 300254
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



#59
2-Hexanone
Concen: 0.291 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
58 36.7 26.9 80.6

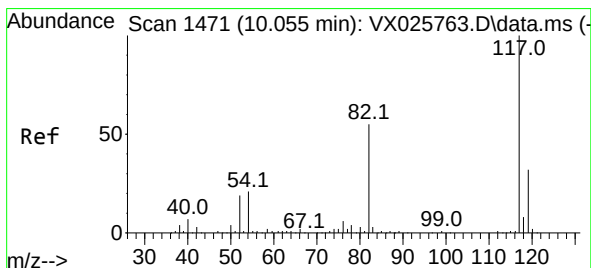
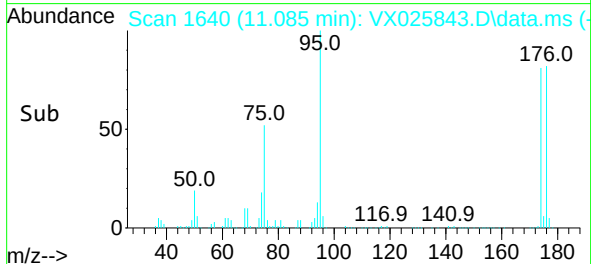
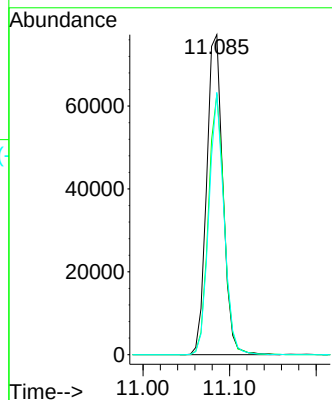
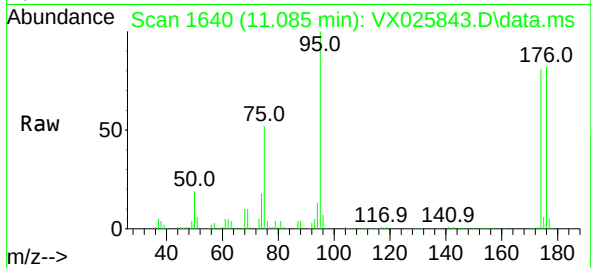




#62
4-Bromofluorobenzene
Concen: 40.379 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

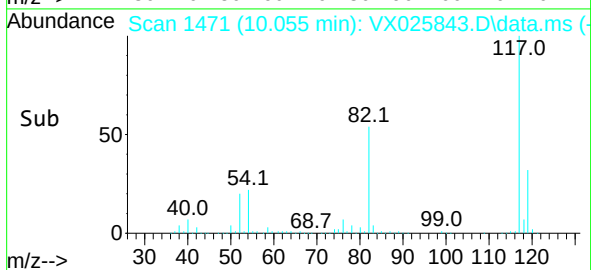
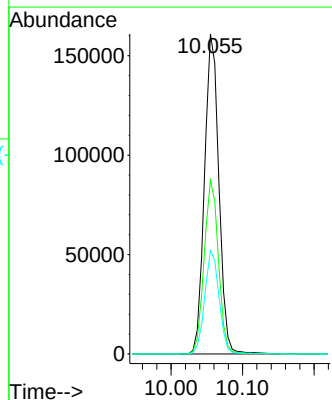
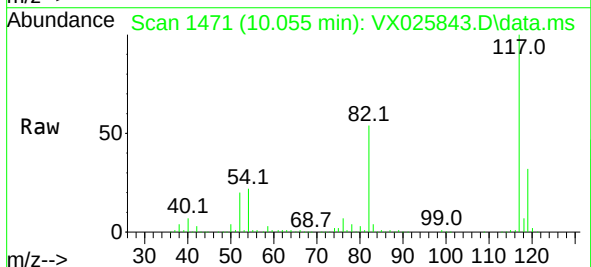
Instrument :
MSVOA_X
ClientSampleId :
C6

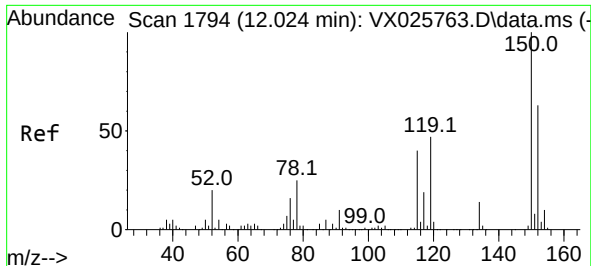
Tgt Ion: 95 Resp: 100565
Ion Ratio Lower Upper
95 100
174 78.7 0.0 157.4
176 76.3 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

Tgt Ion: 117 Resp: 225233
Ion Ratio Lower Upper
117 100
82 54.3 43.8 65.6
119 32.3 25.2 37.8

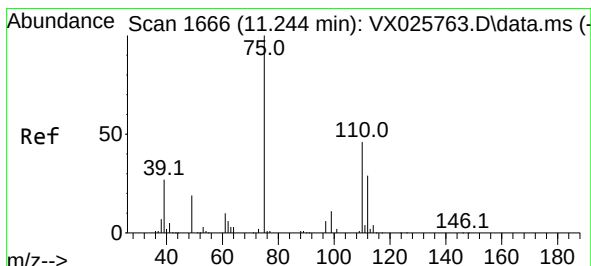
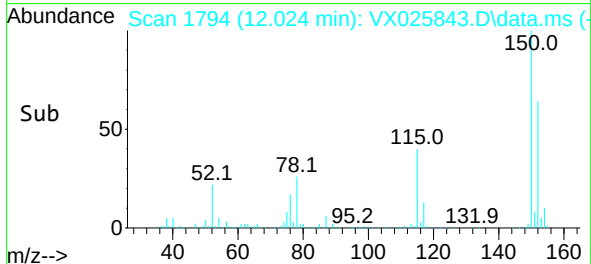
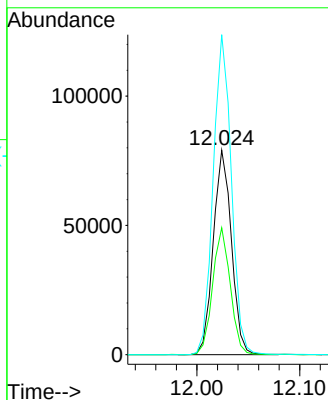
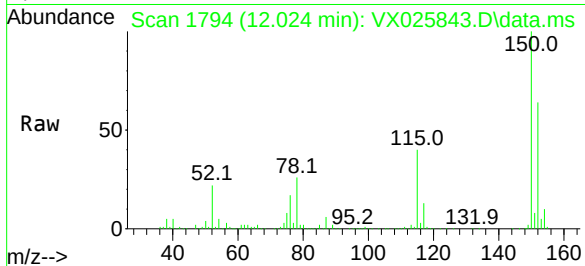




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025843.D
 Acq: 16 Dec 2021 03:36

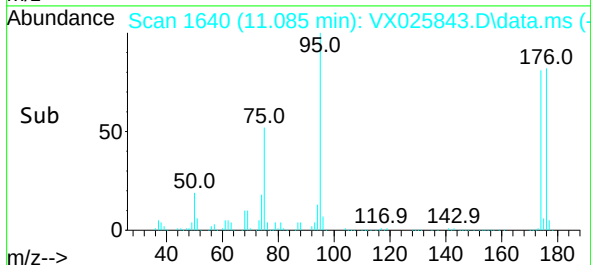
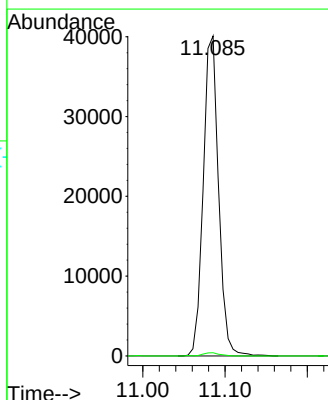
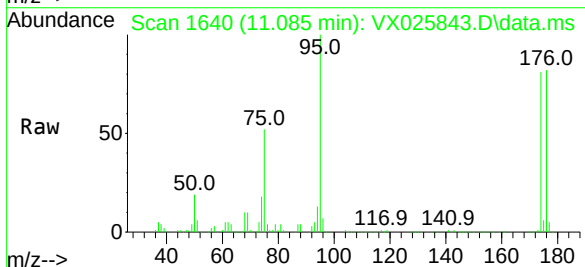
Instrument :
 MSVOA_X
 ClientSampleId :
 C6

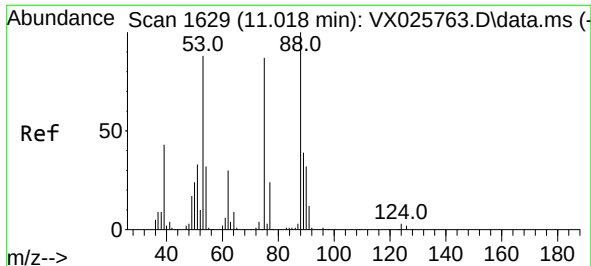
Tgt Ion:152 Resp: 96919
 Ion Ratio Lower Upper
 152 100
 115 60.3 41.3 123.9
 150 156.6 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 23.365 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX025843.D
 Acq: 16 Dec 2021 03:36

Tgt Ion: 75 Resp: 51884
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.0 57.0#

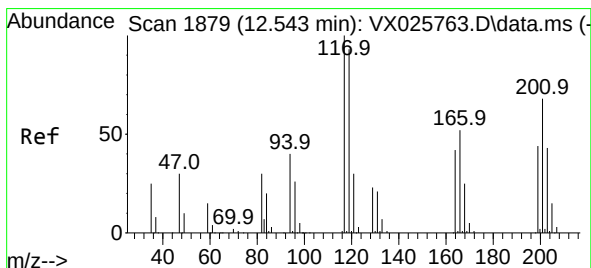
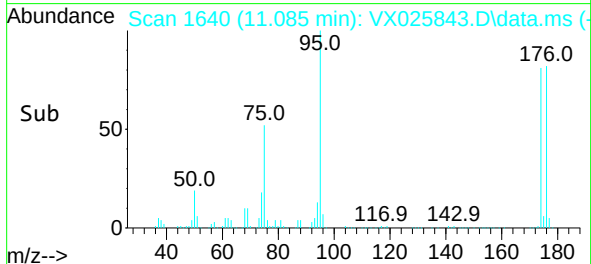
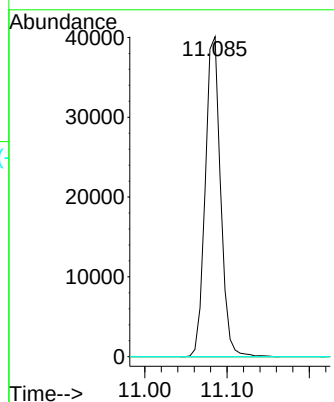
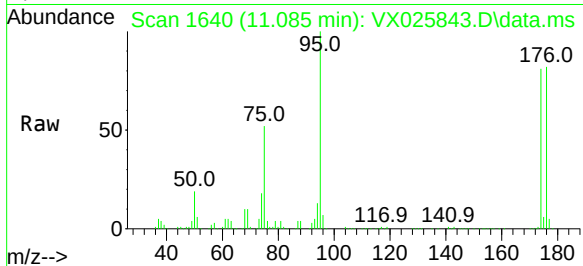




#81
trans-1,4-Dichloro-2-butene
Concen: 72.438 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

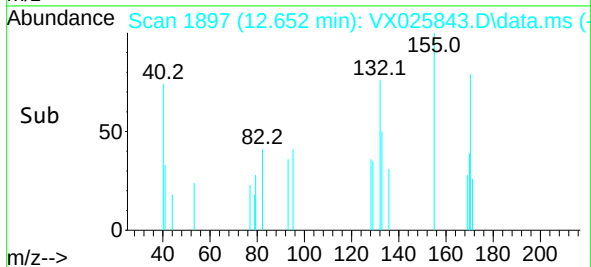
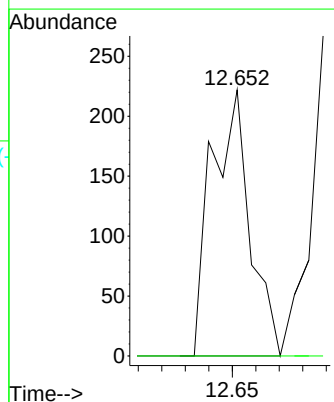
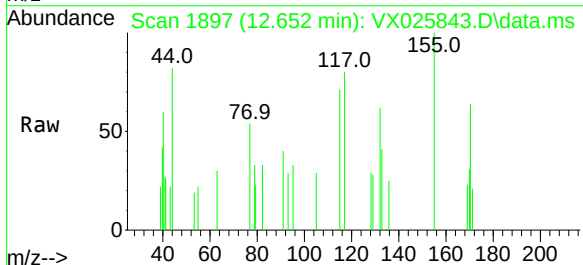
Instrument :
MSVOA_X
ClientSampleId :
C6

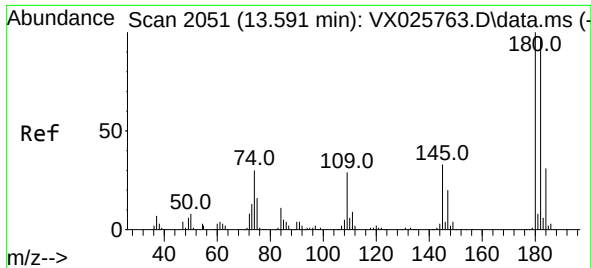
Tgt Ion: 75 Resp: 51884
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#90
Hexachloroethane
Concen: 0.221 ug/l
RT: 12.652 min Scan# 1897
Delta R.T. 0.110 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

Tgt Ion: 117 Resp: 251
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.3#

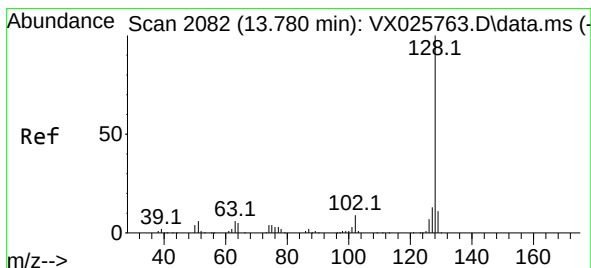
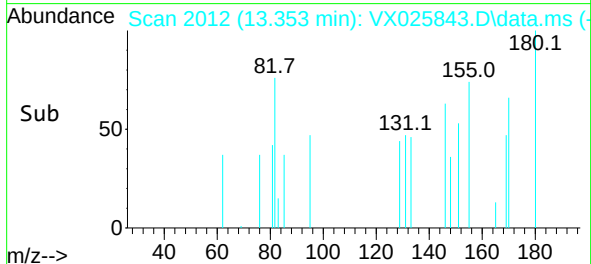
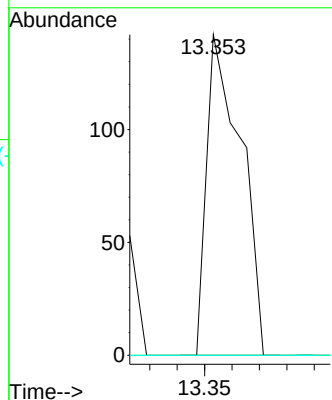
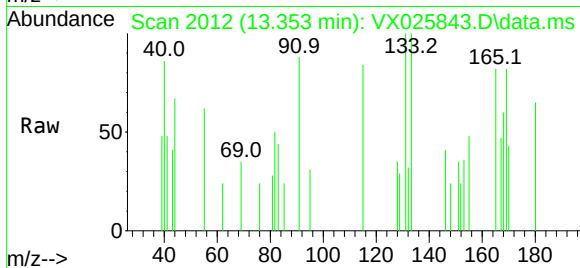




#93
1,2,4-Trichlorobenzene
Concen: 3.430 ug/l
RT: 13.353 min Scan# 2012
Delta R.T. -0.238 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

Instrument :
MSVOA_X
ClientSampleId :
C6

Tgt Ion:180 Resp: 123
Ion Ratio Lower Upper
180 100
182 0.0 47.2 141.6#
145 0.0 16.3 48.9#



#95
Naphthalene
Concen: 2.705 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025843.D
Acq: 16 Dec 2021 03:36

Tgt Ion:128 Resp: 2042
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 16.1 8.8 13.2#

