

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110518\
 Data File : VX005791.D
 Acq On : 05 Nov 2018 20:57
 Operator : JC/MD
 Sample : J5764-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 00:48:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	142331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	230793	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	212776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	92728	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	101840	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
35) Dibromofluoromethane	5.51	113	79133	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	8.71	98	289537	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.14	95	91864	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	

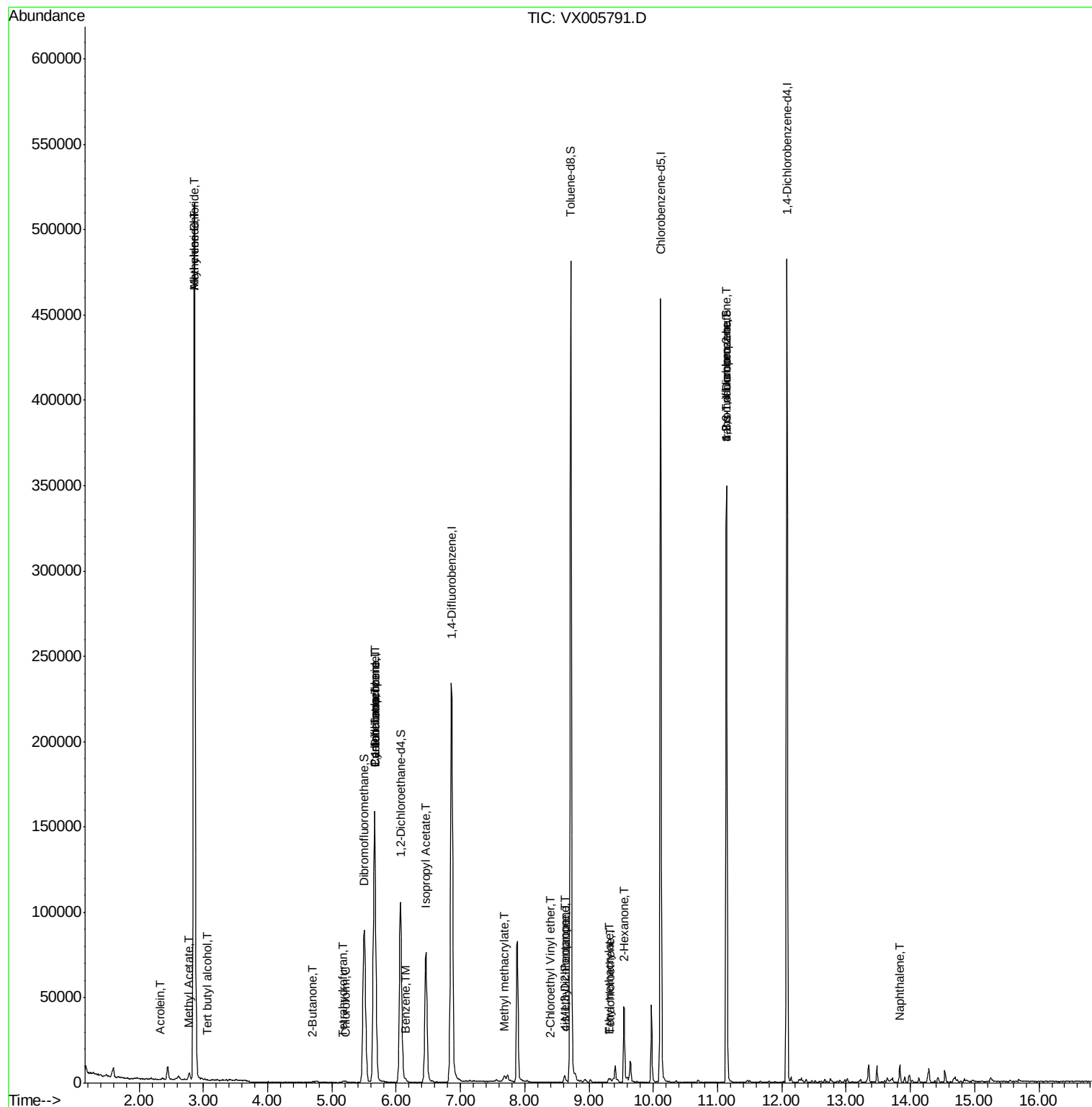
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	26	Below Cal	#	42
11) Tert butyl alcohol	3.06	59	196	0.347	ug/l #	74
13) Acrolein	2.32	56	52	12.305	ug/l #	1
14) Allyl chloride	2.86	41	10286	3.245	ug/l #	31
16) Acetone	2.44	43	7951	Below Cal		97
18) Methyl Acetate	2.78	43	5133	1.719	ug/l	96
20) Methylene Chloride	2.86	84	240195	133.855	ug/l	95
25) 2-Butanone	4.70	43	1381	0.787	ug/l	94
29) Tetrahydrofuran	5.17	42	628	0.586	ug/l #	61
30) Chloroform	5.22	83	909	0.280	ug/l	100
31) Cyclohexane	5.66	56	3330	1.198	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12092	4.918	ug/l #	48
38) Carbon Tetrachloride	5.67	117	14302	6.438	ug/l #	16
40) Benzene	6.14	78	1765	0.241	ug/l #	84
43) Isopropyl Acetate	6.46	43	97746	21.468	ug/l	98
48) Methyl methacrylate	7.69	41	4050	1.838	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	1654	0.533	ug/l #	38
54) cis-1,3-Dichloropropene	8.62	75	595	0.228	ug/l #	69
56) Ethyl methacrylate	9.31	69	42	2.485	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.39	63	21	10.350	ug/l #	48
59) 2-Hexanone	9.54	43	5018	1.986	ug/l	64
64) Tetrachloroethene	9.34	164	401	0.258	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	47728	20.666	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	47728	66.770	ug/l #	9
95) Naphthalene	13.83	128	5705	0.882	ug/l	96

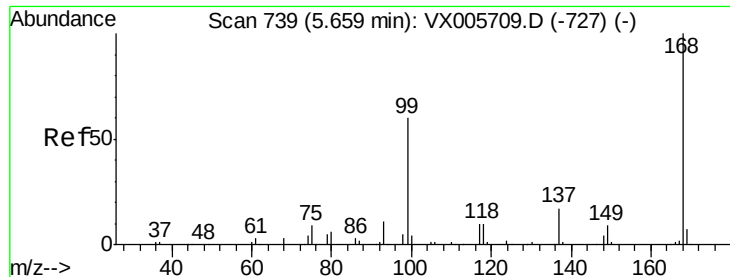
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005791.D

Acq: 05 Nov 2018 20:57

Instrument :

MSVOA_X

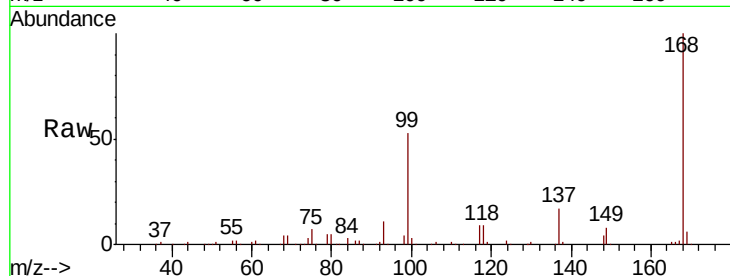
ClientSampleId :

Tot Ion:168 Resp: 142331

Ion Ratio Lower Upper

168 100

99 53.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

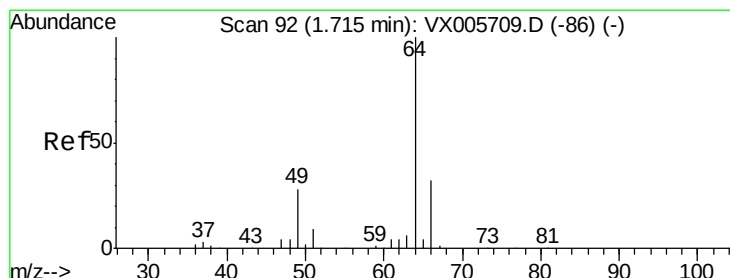
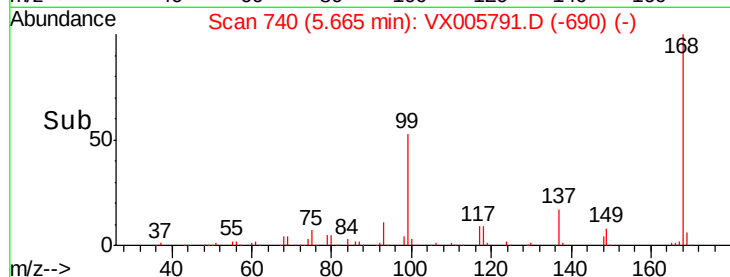
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005791.D

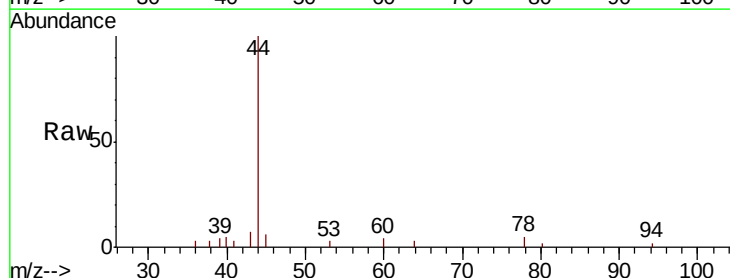
Acq: 05 Nov 2018 20:57

Tgt Ion: 64 Resp: 26

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80

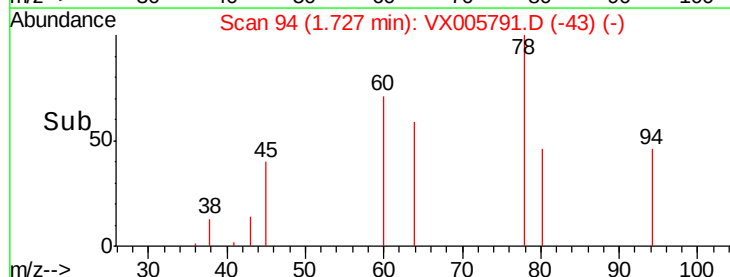
60

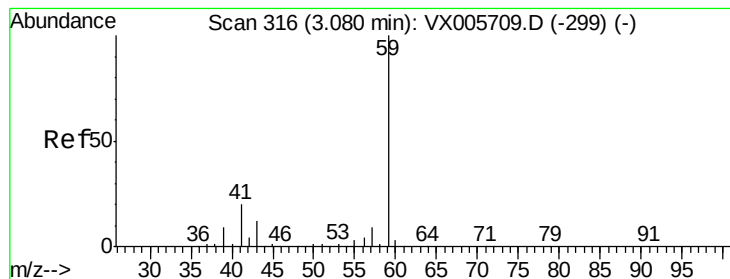
40

20

0

Time--> 1.71 1.72 1.73 1.74





#11

Tert butyl alcohol

Concen: 0.347 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX005791.D

Acq: 05 Nov 2018 20:57

Instrument :

MSVOA_X

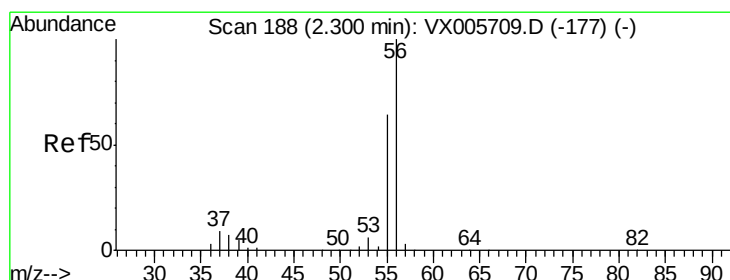
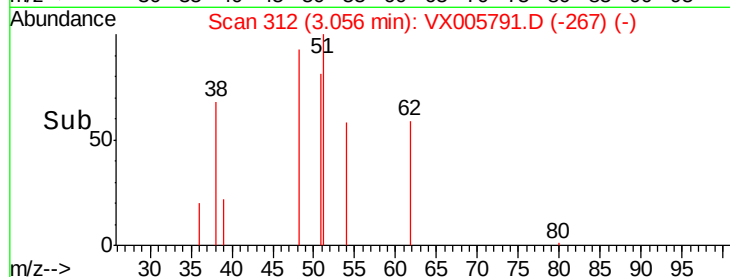
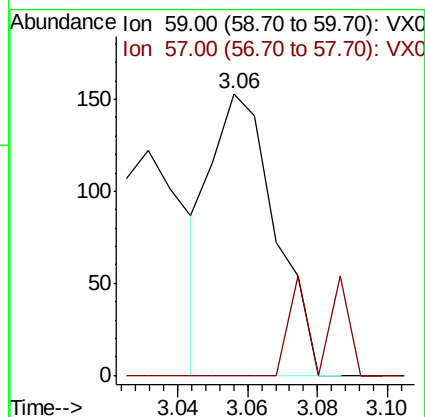
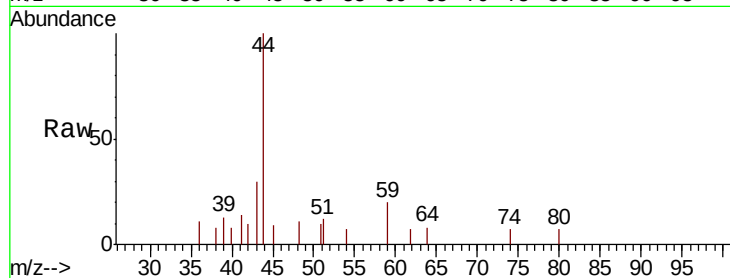
ClientSampleId :

Tot Ion: 59 Resp: 196

Ion Ratio Lower Upper

59 100

57 20.4 8.5 12.7#



#13

Acrolein

Concen: 12.305 ug/l

RT: 2.32 min Scan# 191

Delta R.T. 0.02 min

Lab File: VX005791.D

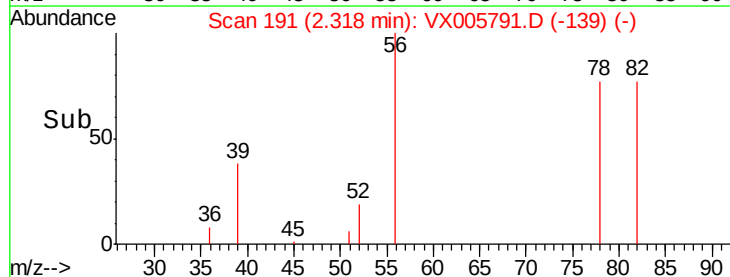
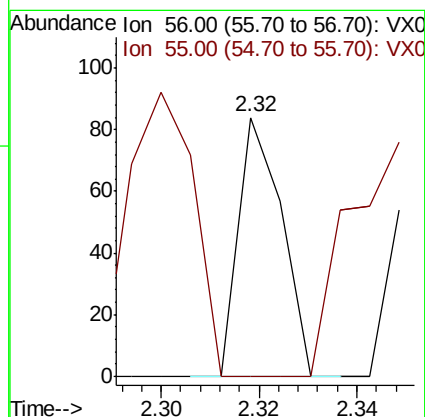
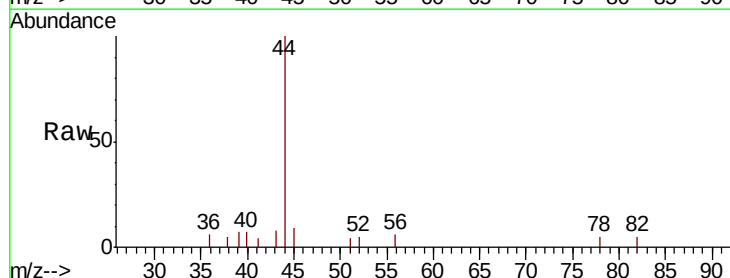
Acq: 05 Nov 2018 20:57

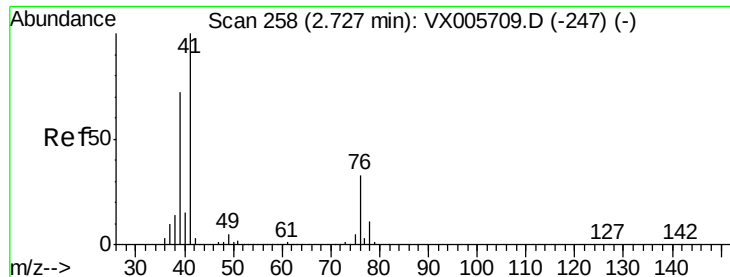
Tgt Ion: 56 Resp: 52

Ion Ratio Lower Upper

56 100

55 163.5 57.3 85.9#

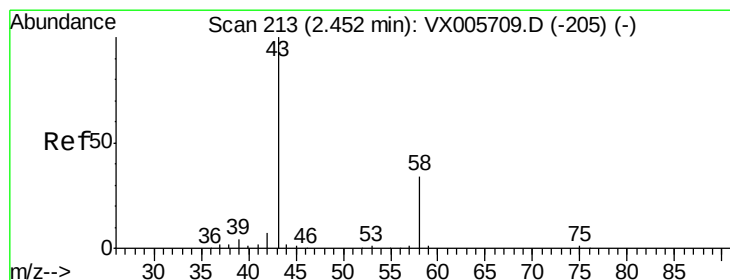
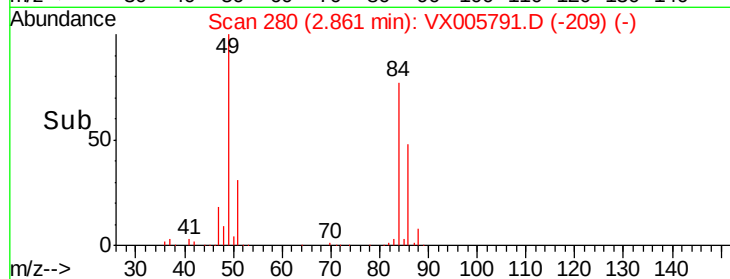
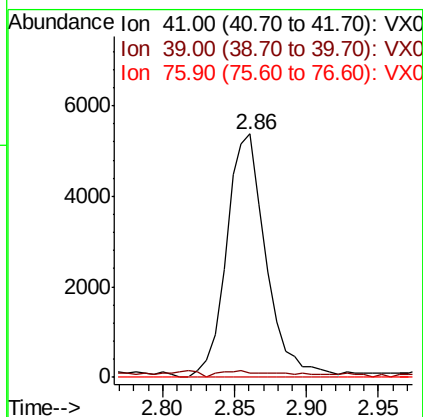
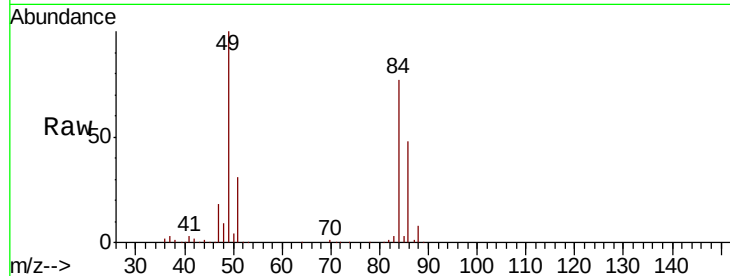




#14
Allvl chloride
Concen: 3.245 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.13 min
Lab File: VX005791.D
Acq: 05 Nov 2018 20:57

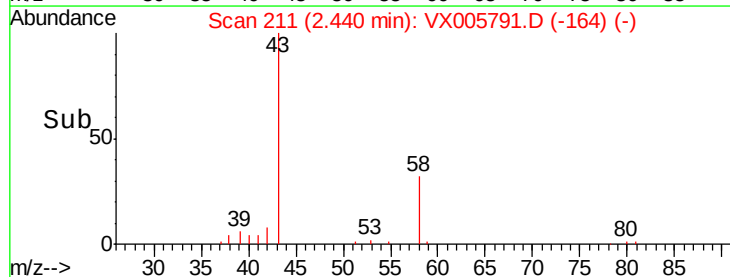
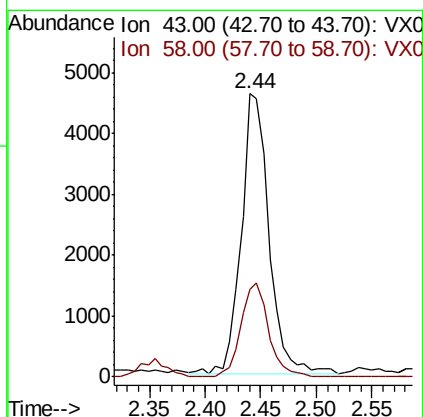
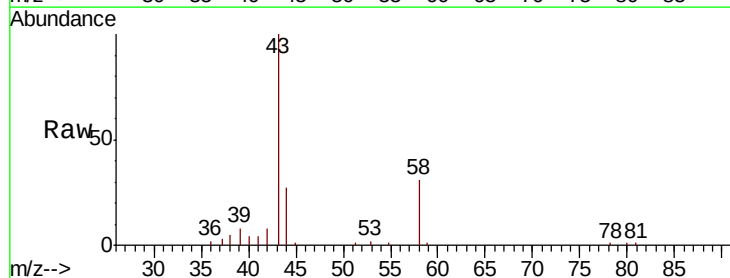
Instrument :
MSVOA_X
ClientSampleId :

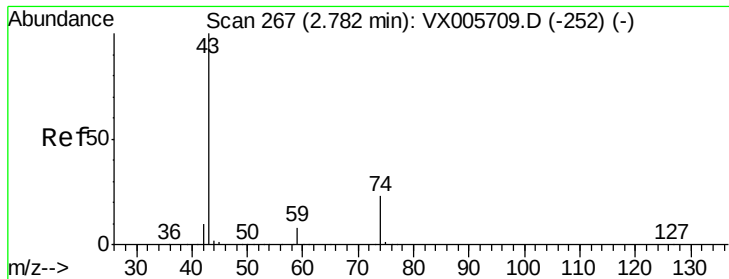
Tot Ion: 41 Resp: 10286
Ion Ratio Lower Upper
41 100
39 2.3 48.2 72.4#
76 0.0 21.9 32.9#



#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX005791.D
Acq: 05 Nov 2018 20:57

Tgt Ion: 43 Resp: 7951
Ion Ratio Lower Upper
43 100
58 31.3 23.8 35.6

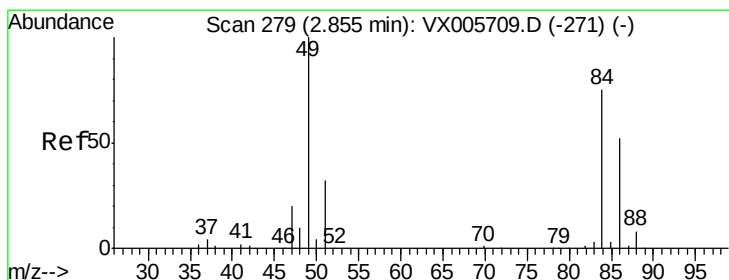
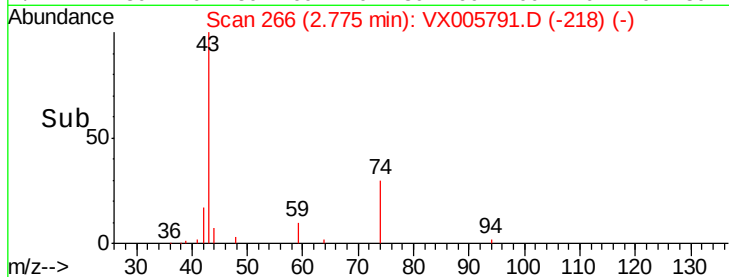
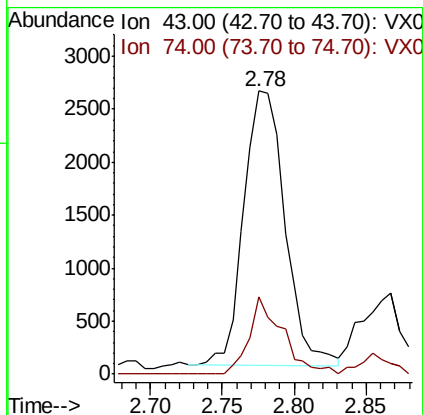
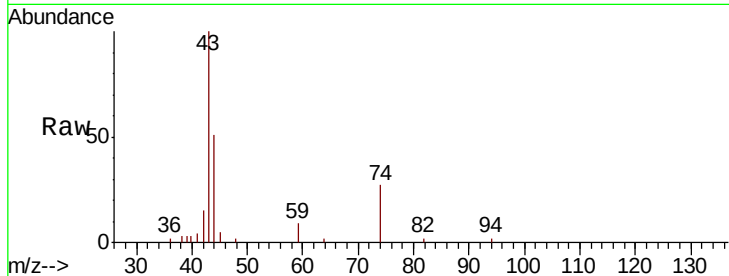




#18
Methyl Acetate
Concen: 1.719 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005791.D
Acq: 05 Nov 2018 20:57

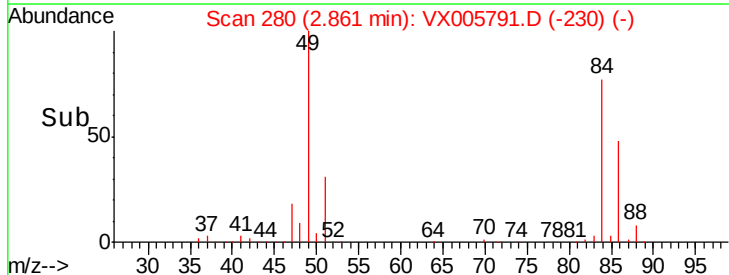
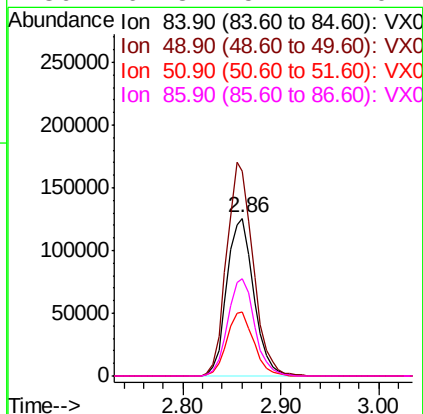
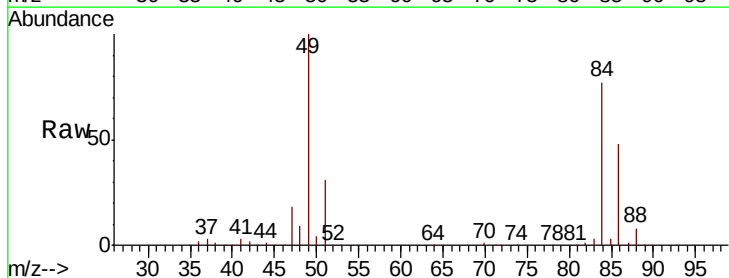
Instrument :
MSVOA_X
ClientSampleId :

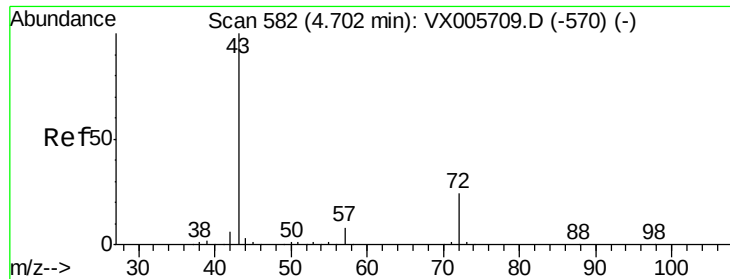
Tot Ion: 43 Resp: 5133
Ion Ratio Lower Upper
43 100
74 22.8 16.8 25.2



#20
Methylene Chloride
Concen: 133.855 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005791.D
Acq: 05 Nov 2018 20:57

Tgt Ion: 84 Resp: 240195
Ion Ratio Lower Upper
84 100
49 129.8 109.5 164.3
51 40.8 33.3 49.9
86 61.8 52.7 79.1





#25

2-Butanone

Concen: 0.787 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005791.D

Acq: 05 Nov 2018 20:57

Instrument :

MSVOA_X

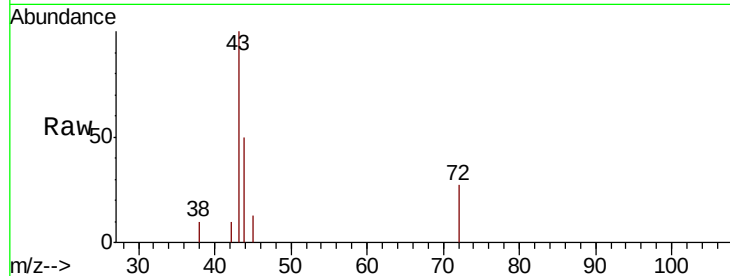
ClientSampled :

Tot Ion: 43 Resp: 1381

Ion Ratio Lower Upper

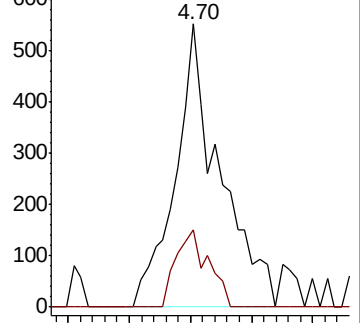
43 100

72 27.0 19.2 28.8

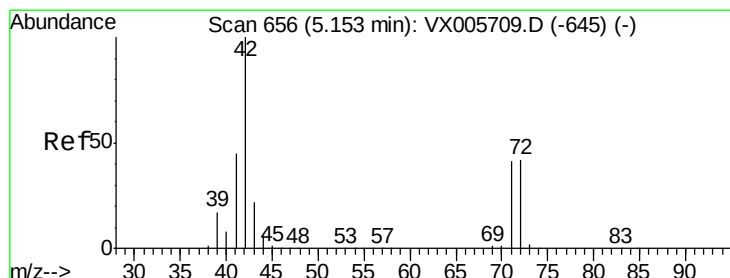
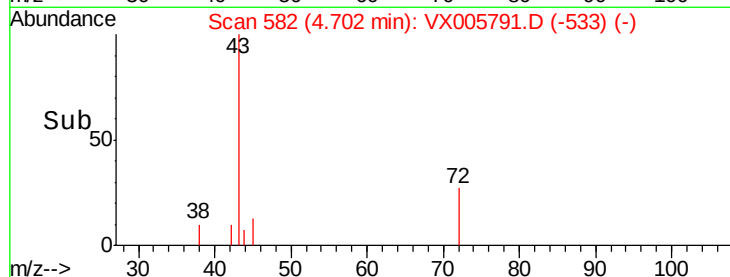


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.586 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005791.D

Acq: 05 Nov 2018 20:57

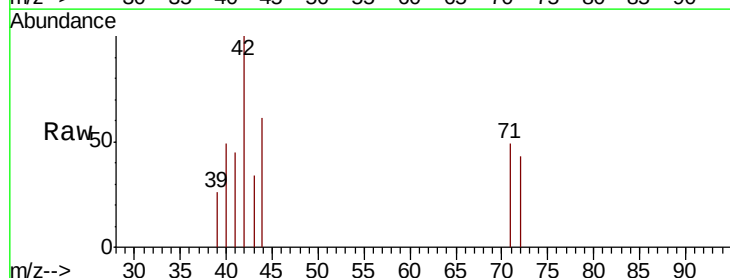
Tgt Ion: 42 Resp: 628

Ion Ratio Lower Upper

42 100

72 6.2 32.0 48.0#

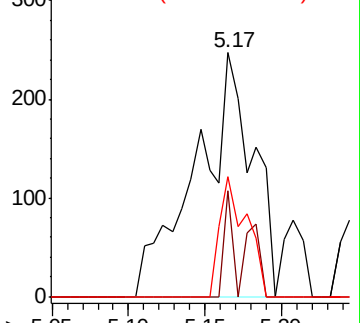
71 23.7 29.8 44.8#



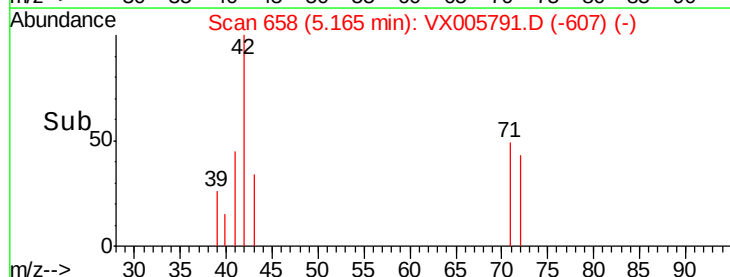
Abundance Ion 42.00 (41.70 to 42.70): VX0

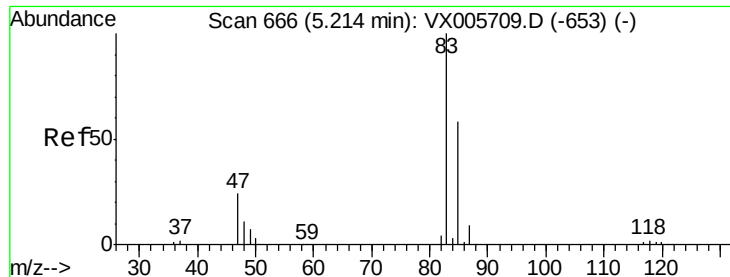
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

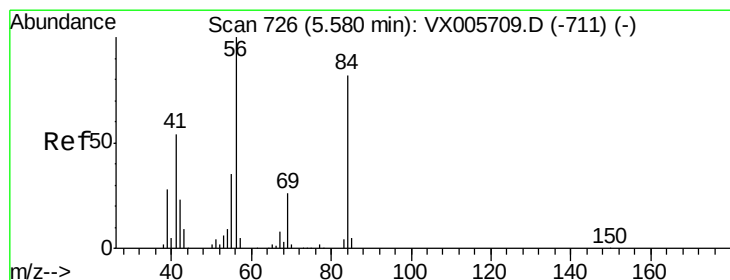
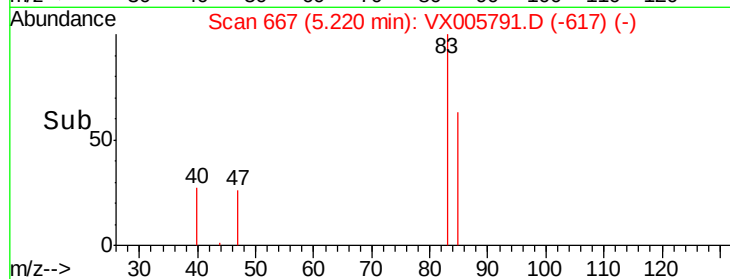
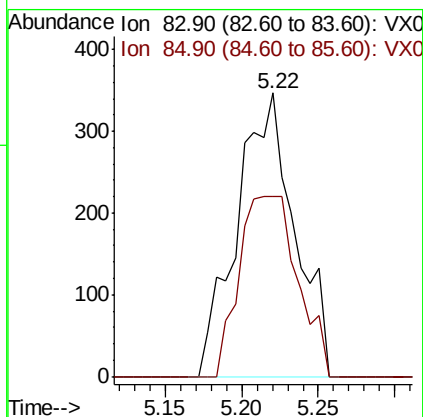
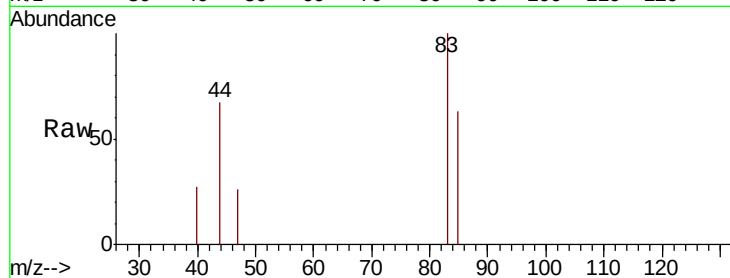




#30
Chloroform
Concen: 0.280 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005791.D
Acq: 05 Nov 2018 20:57

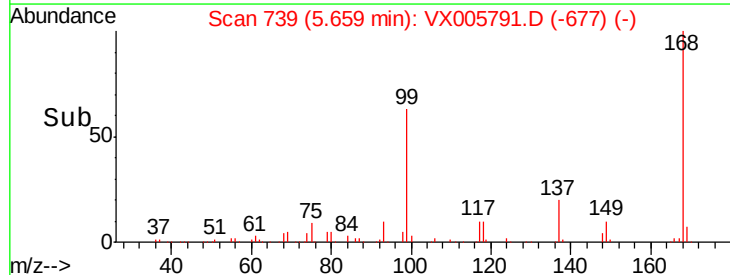
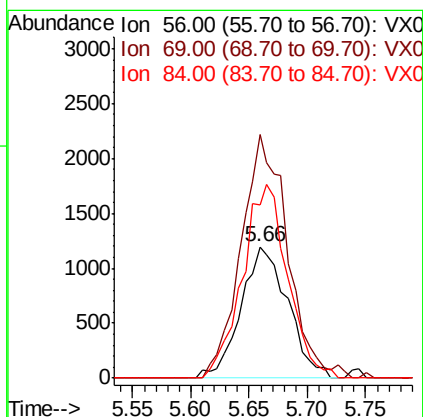
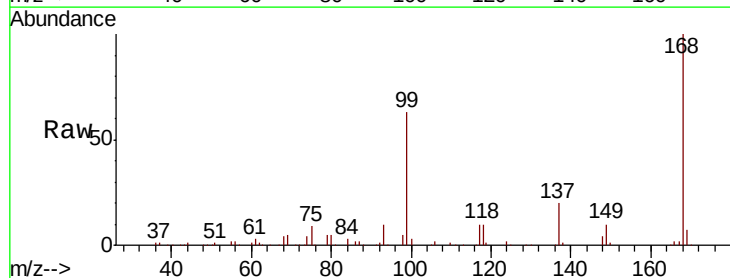
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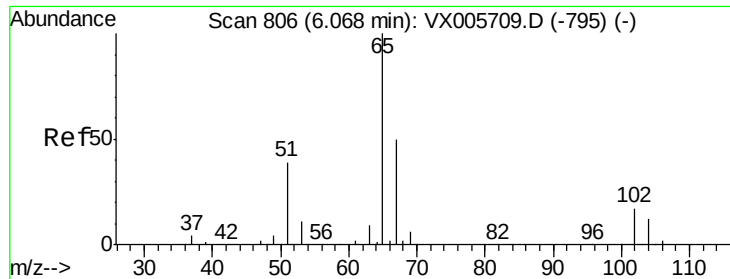
Tot Ion: 83 Resp: 909
Ion Ratio Lower Upper
83 100
85 63.4 50.6 76.0



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX005791.D
Acq: 05 Nov 2018 20:57

Tgt Ion: 56 Resp: 3330
Ion Ratio Lower Upper
56 100
69 185.8 22.6 34.0#
84 132.3 62.7 94.1#

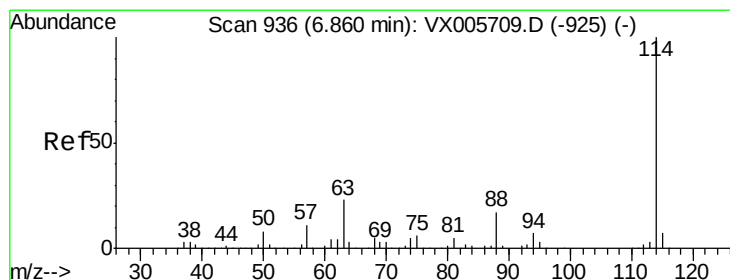
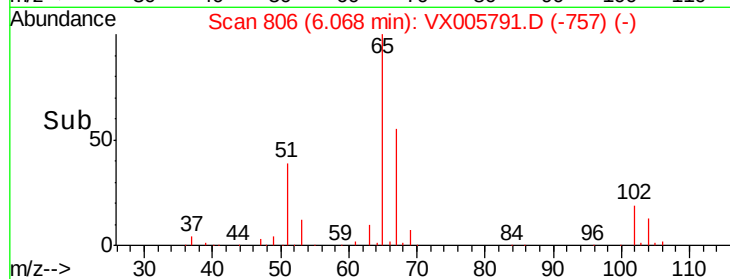
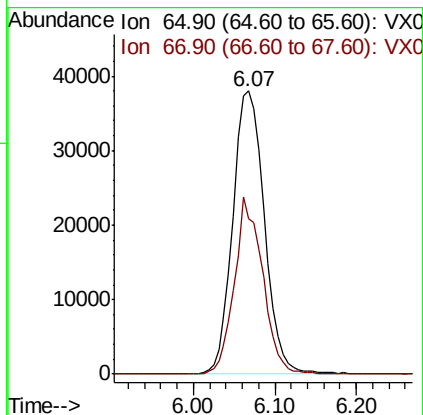
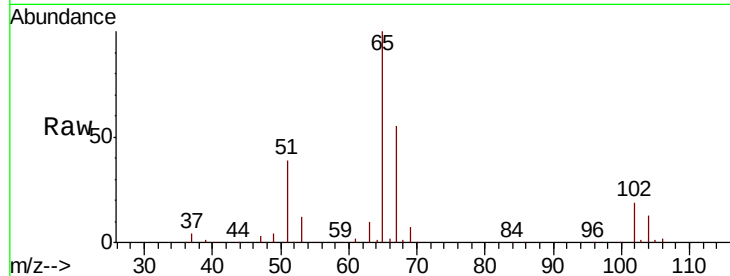




#33
 1,2-Dichloroethane-d4
 Concen: 48.940 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

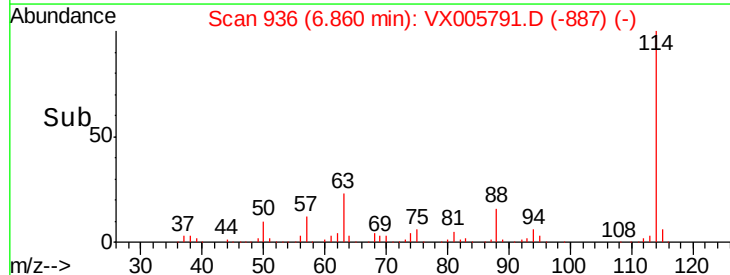
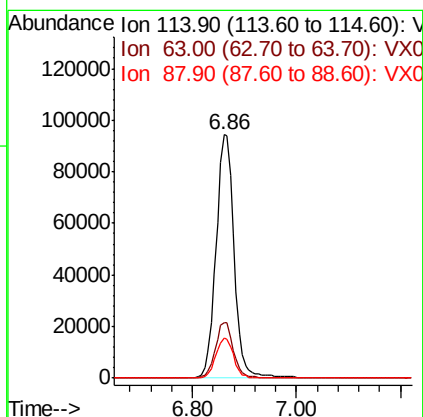
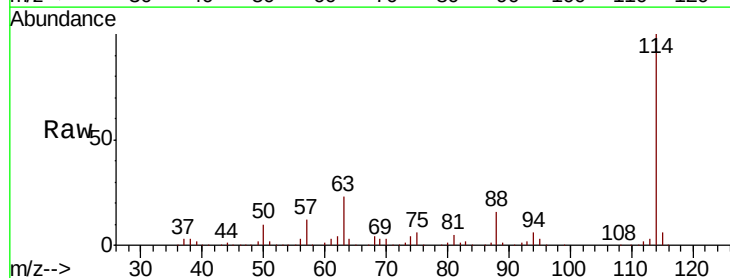
Instrument :
 MSVOA_X
 ClientSampleId :

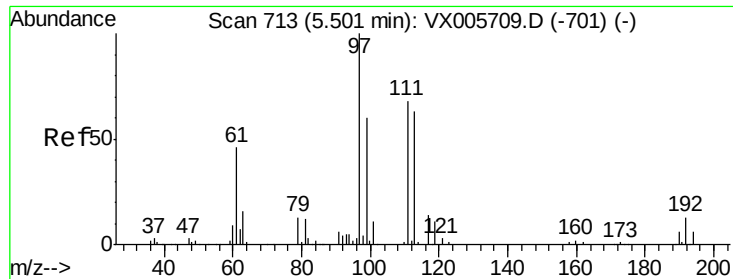
Tot Ion: 65 Resp: 101840
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

Tgt Ion: 114 Resp: 230793
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 42.8
 88 16.5 0.0 31.2

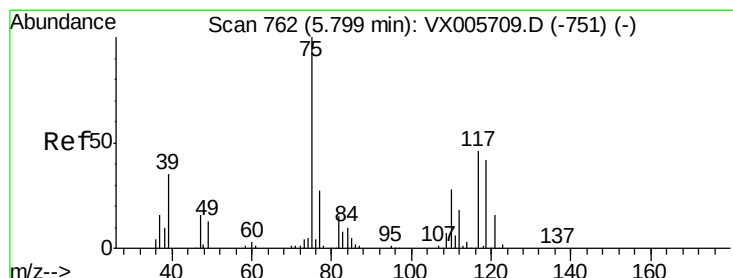
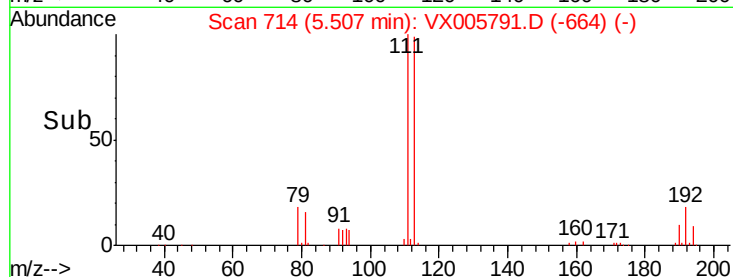
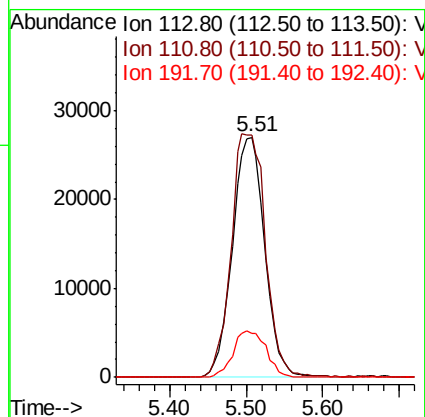
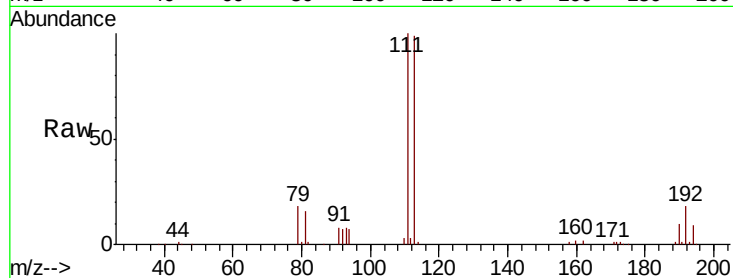




#35
 Dibromofluoromethane
 Concen: 49.519 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

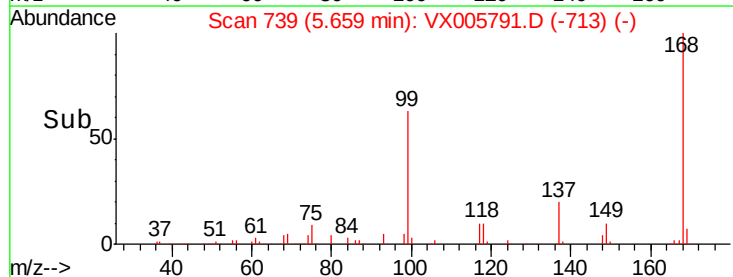
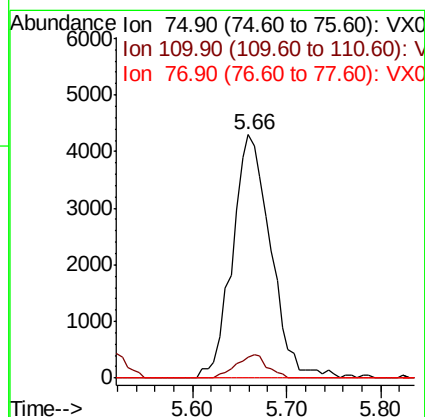
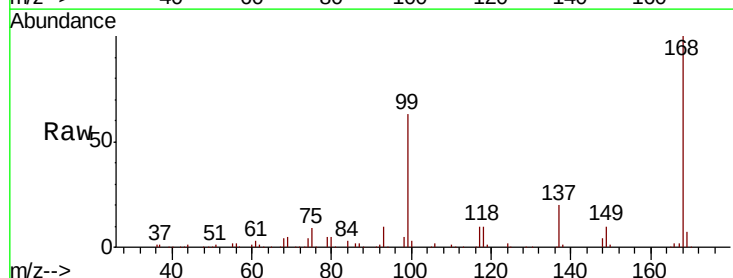
Instrument :
 MSVOA_X
 ClientSampleId :

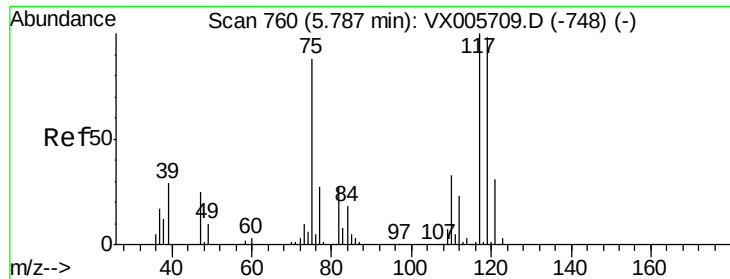
Tot Ion:113 Resp: 79133
 Ion Ratio Lower Upper
 113 100
 111 106.6 82.3 123.5
 192 20.0 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.918 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

Tgt Ion: 75 Resp: 12092
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.4 52.2#
 77 0.0 25.8 38.6#

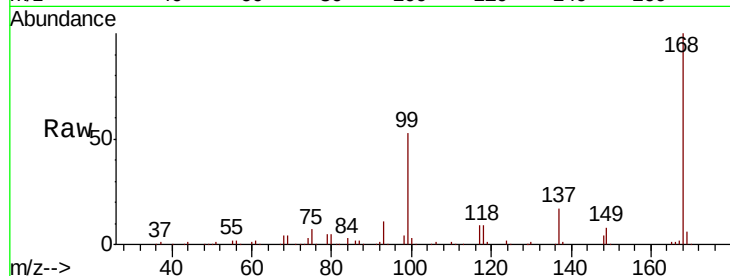




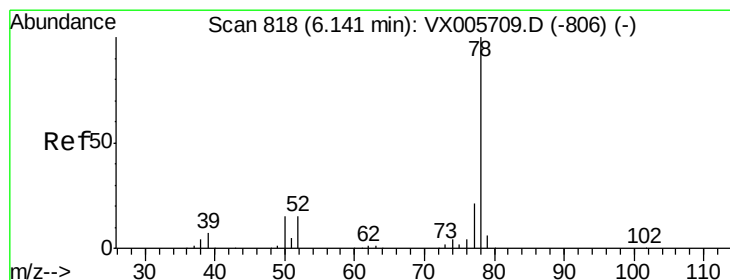
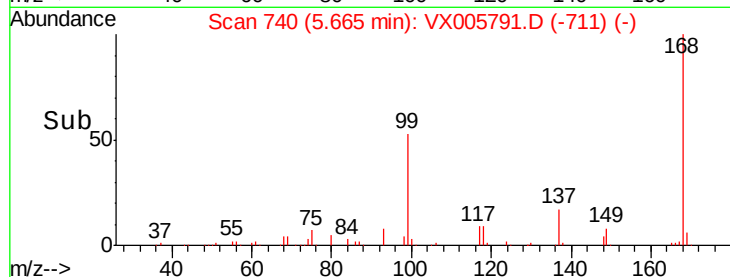
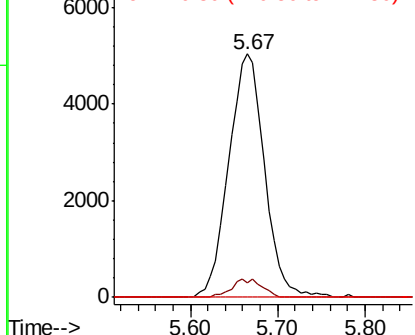
#38
 Carbon Tetrachloride
 Concen: 6.438 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:117 Resp: 14302
 Ion Ratio Lower Upper
 117 100
 119 6.0 78.1 117.1#
 121 0.0 24.6 36.8#

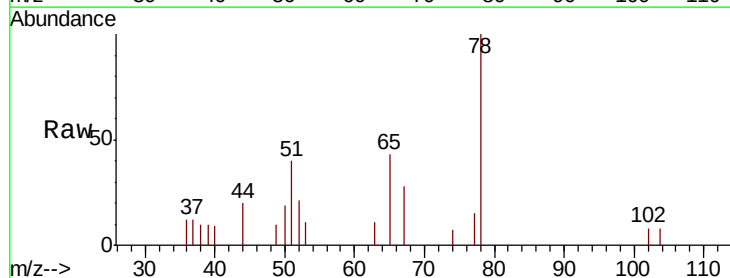


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

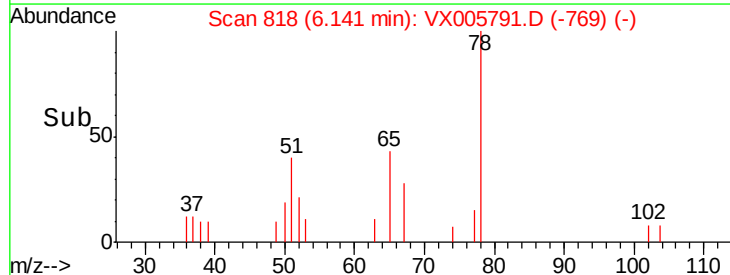
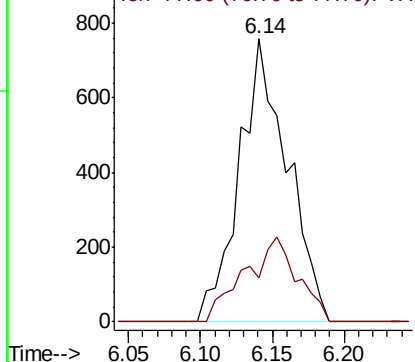


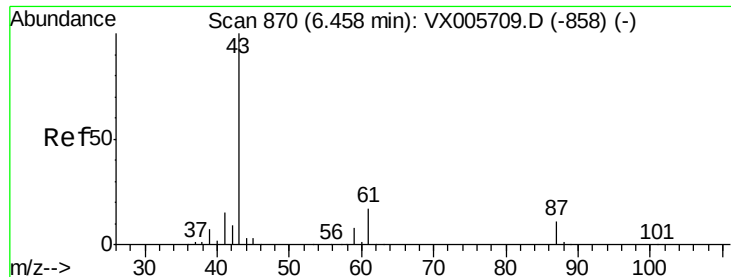
#40
 Benzene
 Concen: 0.241 ug/l
 RT: 6.14 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

Tgt Ion: 78 Resp: 1765
 Ion Ratio Lower Upper
 78 100
 77 15.4 18.4 27.6#



Abundance Ion 78.00 (77.70 to 78.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0



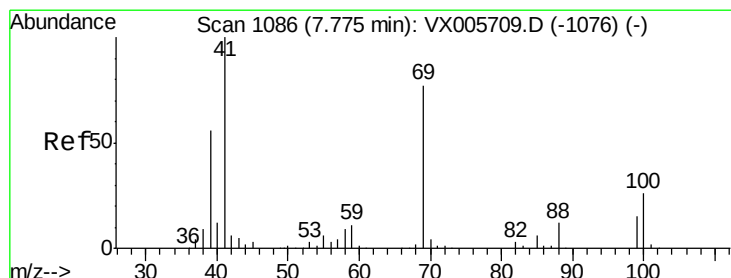
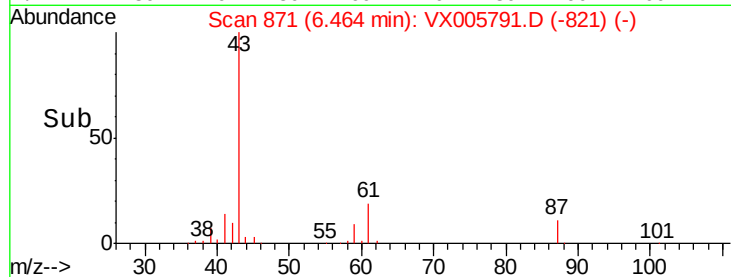
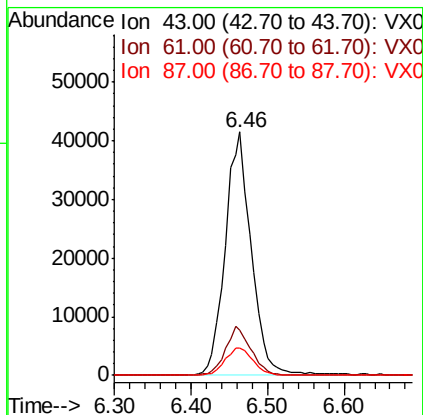
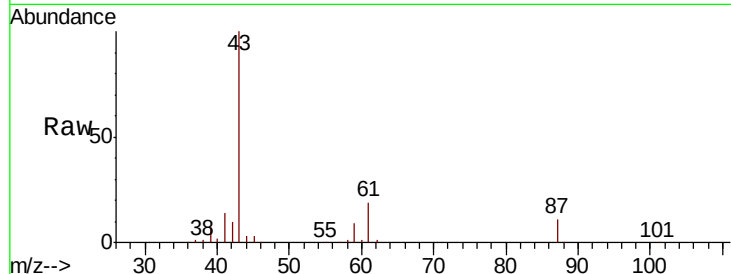


#43

Isopropyl Acetate
 Concen: 21.468 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

Instrument :
 MSVOA_X
 ClientSampled :

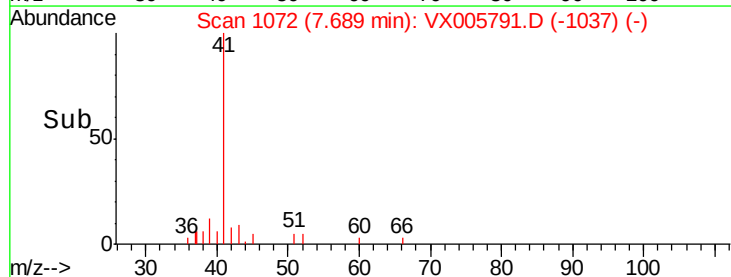
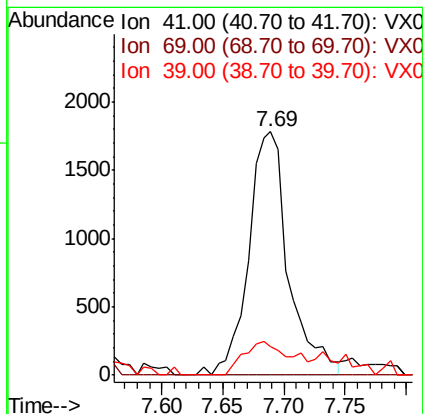
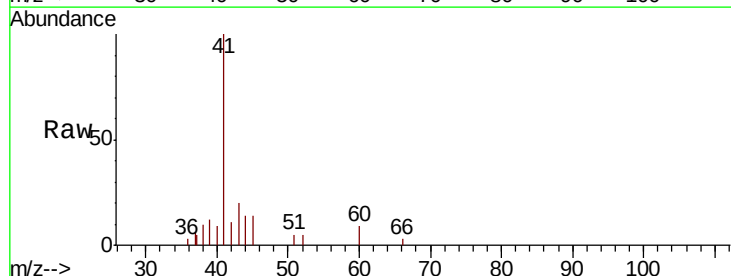
Tot Ion	43	61	87
Resp	97746		
Ratio	100	19.8	12.2
Lower		14.6	9.6
Upper		22.0	14.4

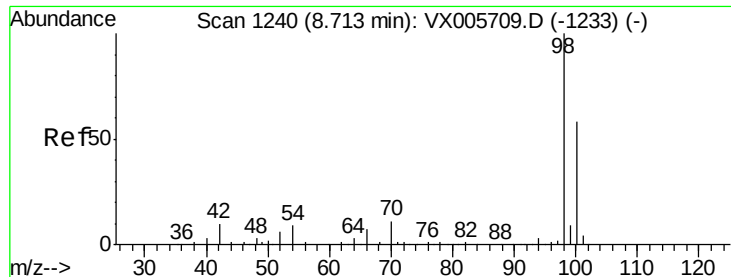


#48

Methyl methacrylate
 Concen: 1.838 ug/l
 RT: 7.69 min Scan# 1072
 Delta R.T. -0.09 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

Tgt Ion	41	69	39
Resp	4050		
Ratio	100	0.0	16.2
Lower		63.2	42.2
Upper		94.8#	63.2#





#50

Toluene-d8

Concen: 51.659 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005791.D

Acq: 05 Nov 2018 20:57

Instrument :

MSVOA_X

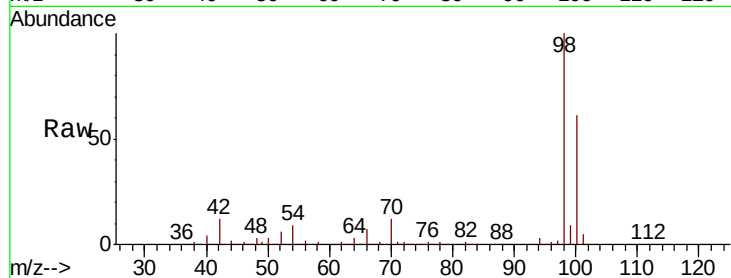
ClientSampled :

Tot Ion: 98 Resp: 289537

Ion Ratio Lower Upper

98 100

100 61.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

200000

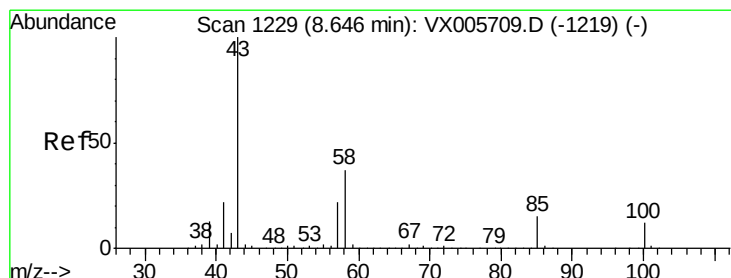
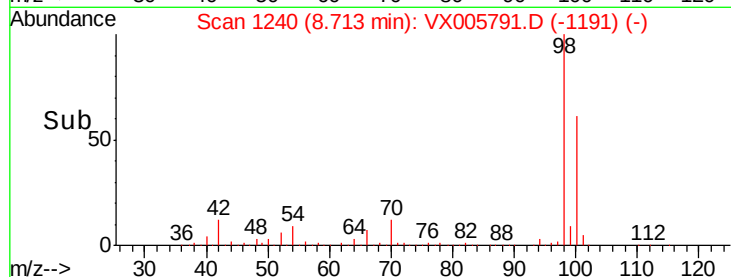
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.533 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX005791.D

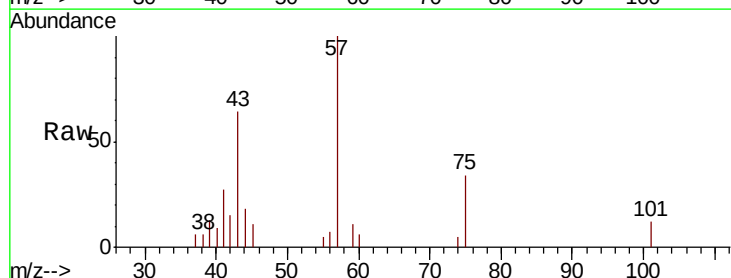
Acq: 05 Nov 2018 20:57

Tgt Ion: 43 Resp: 1654

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

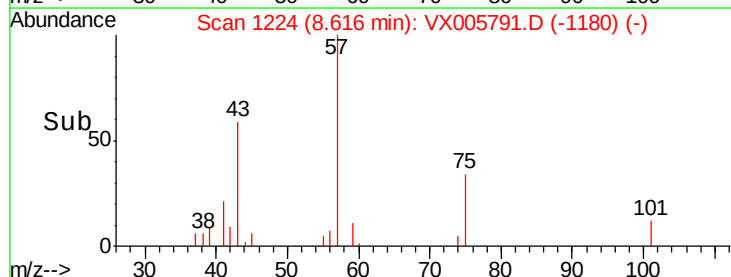
1500

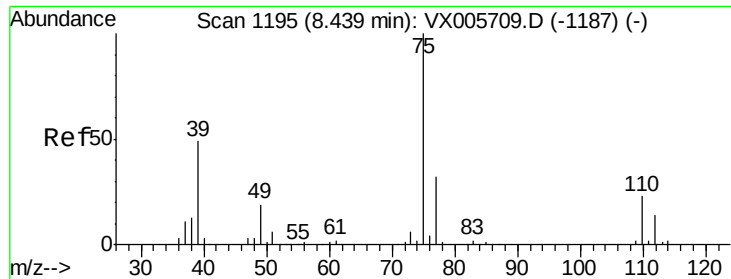
1000

500

0

Time-->



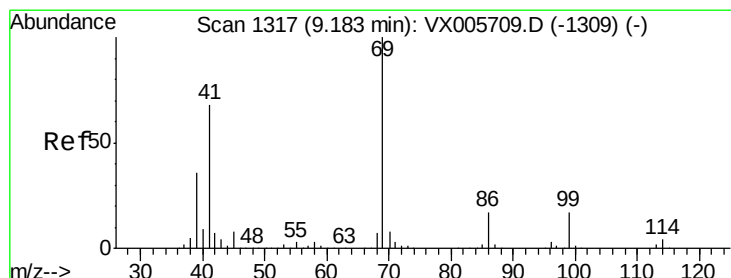
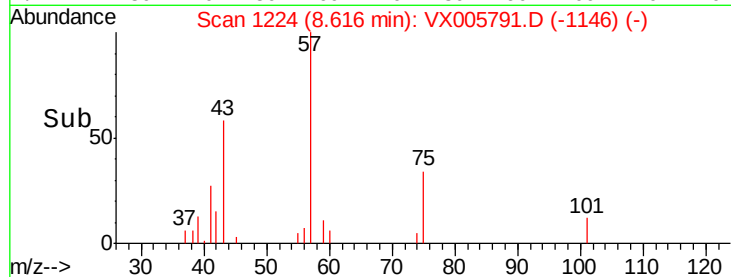
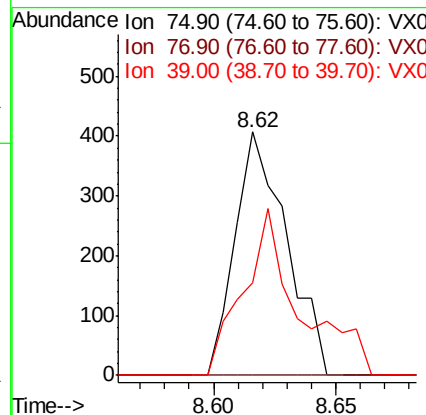
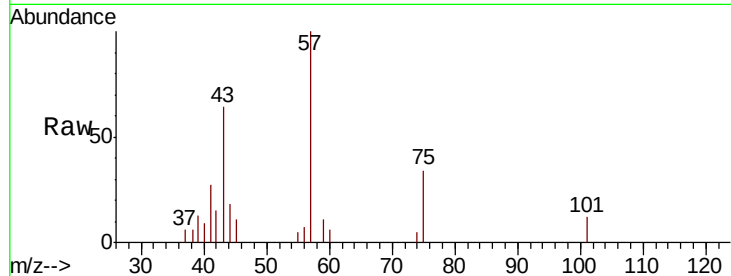


#54

cis-1,3-Dichloropropene
 Concen: 0.228 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

Instrument :
 MSVOA_X
 ClientSampled :

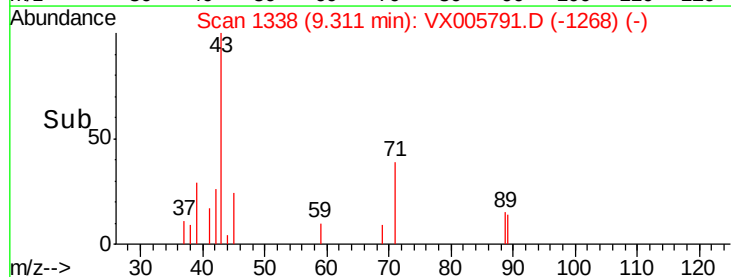
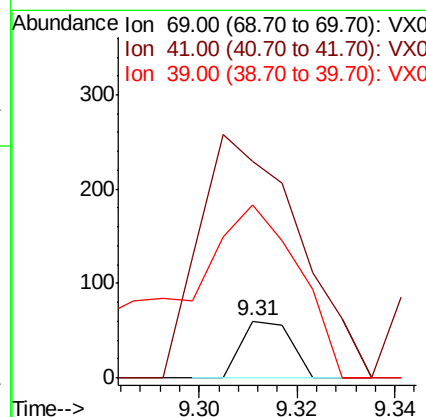
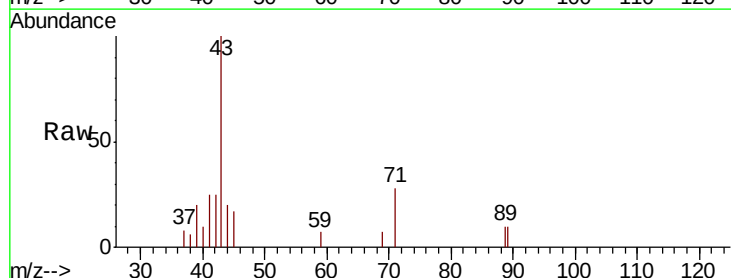
Tot Ion: 75 Resp: 595
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 38.1 38.2 57.2#

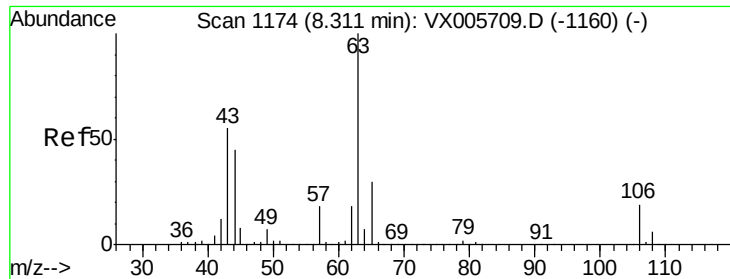


#56

Ethyl methacrylate
 Concen: 2.485 ug/l
 RT: 9.31 min Scan# 1338
 Delta R.T. 0.13 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

Tgt Ion: 69 Resp: 42
 Ion Ratio Lower Upper
 69 100
 41 866.7 57.0 85.6#
 39 835.7 28.3 42.5#

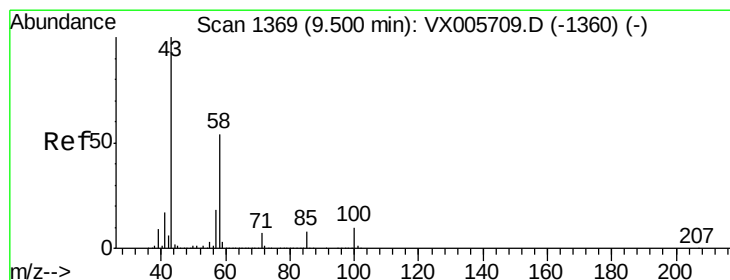
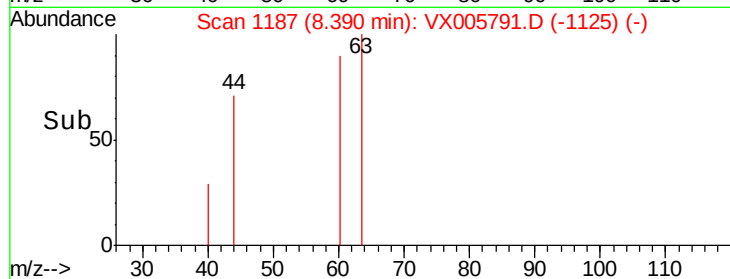
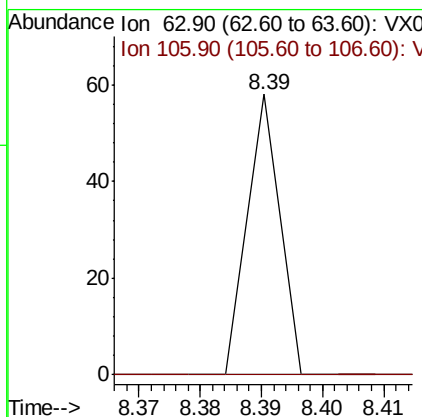
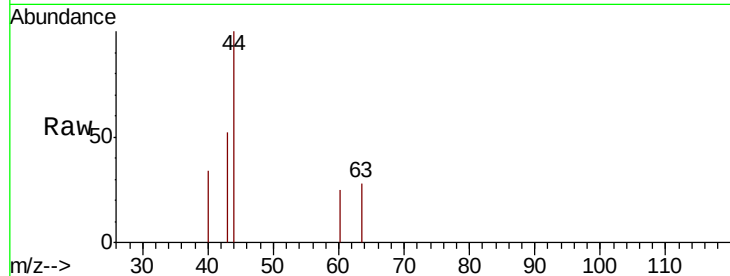




#58
 2-Chloroethyl Vinyl ether
 Concen: 10.350 ug/l
 RT: 8.39 min Scan# 1187
 Delta R.T. 0.08 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

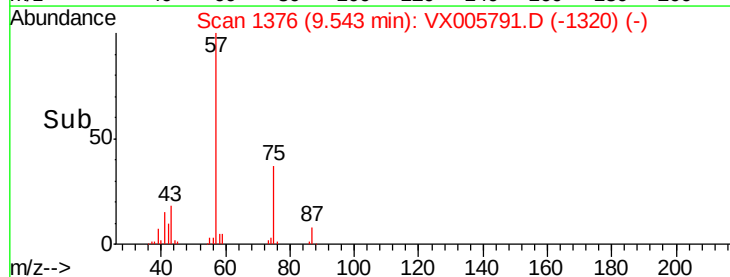
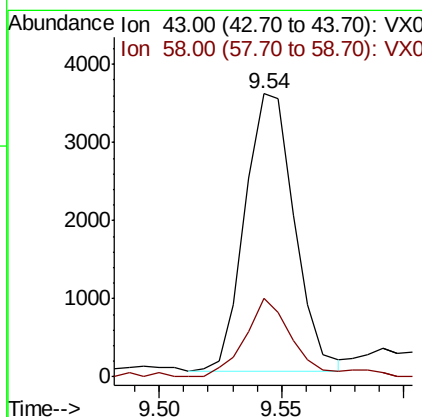
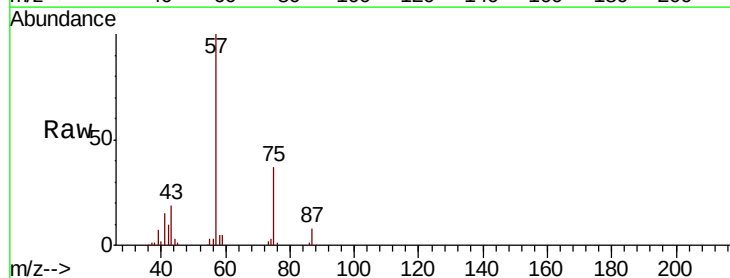
Instrument :
 MSVOA_X
 ClientSampleId :

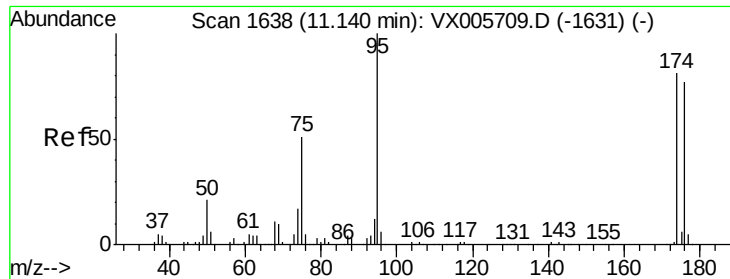
Tot Ion: 63 Resp: 21
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#



#59
 2-Hexanone
 Concen: 1.986 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.04 min
 Lab File: VX005791.D
 Acq: 05 Nov 2018 20:57

Tgt Ion: 43 Resp: 5018
 Ion Ratio Lower Upper
 43 100
 58 26.5 25.9 77.8





#62

4-Bromofluorobenzene

Concen: 44.409 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005791.D

Acq: 05 Nov 2018 20:57

Instrument :

MSVOA_X

ClientSampled :

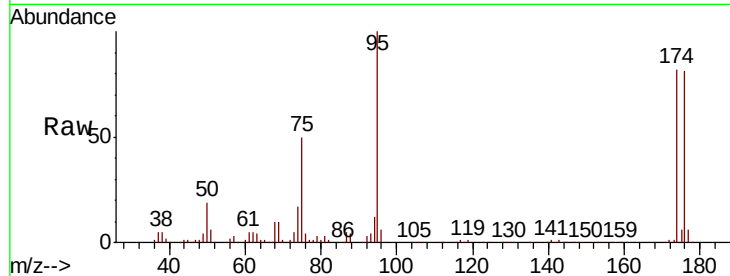
Tot Ion: 95 Resp: 91864

Ion Ratio Lower Upper

95 100

174 81.4 0.0 184.4

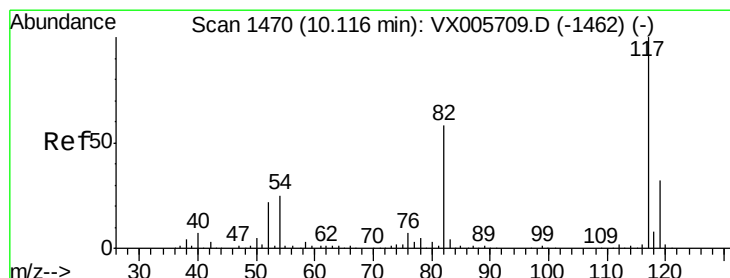
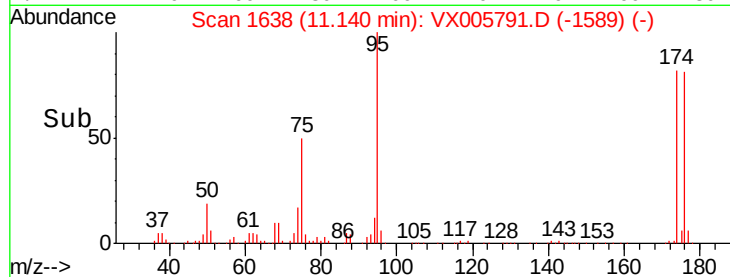
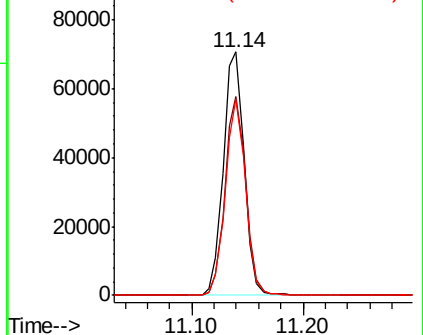
176 77.6 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005791.D

Acq: 05 Nov 2018 20:57

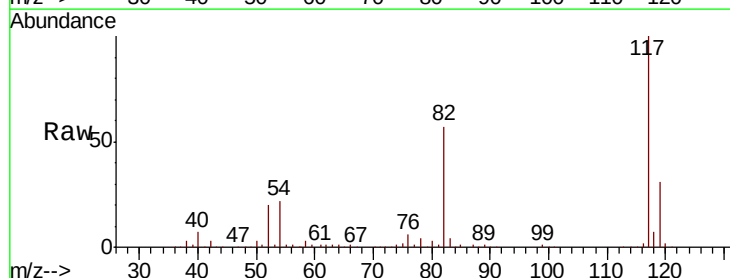
Tgt Ion: 117 Resp: 212776

Ion Ratio Lower Upper

117 100

82 57.4 44.1 66.1

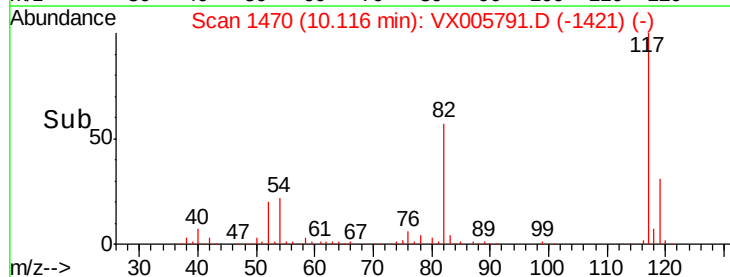
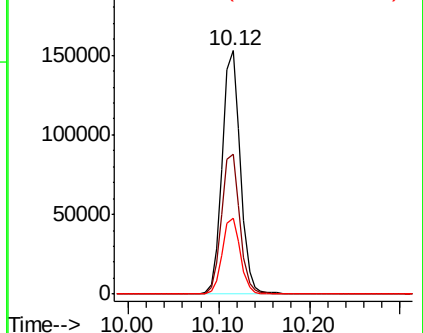
119 31.3 26.2 39.2

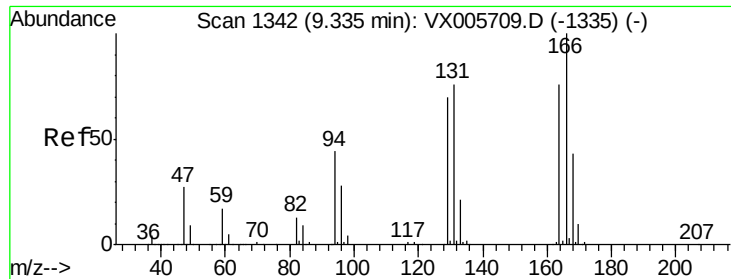


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

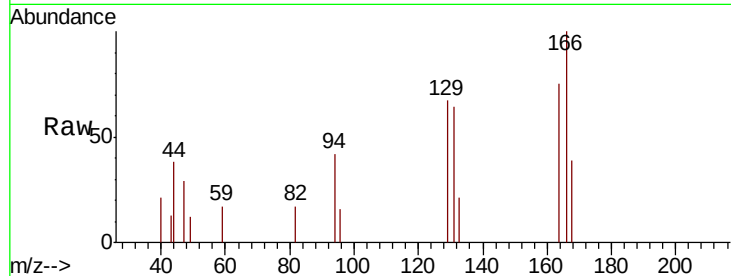




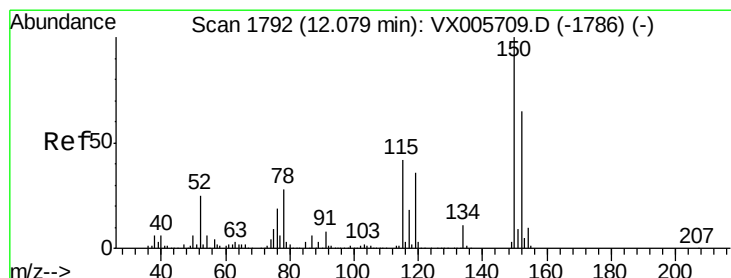
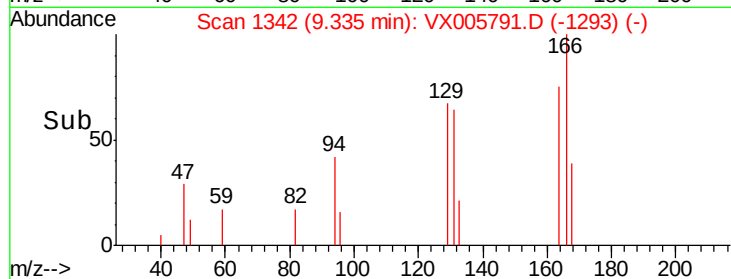
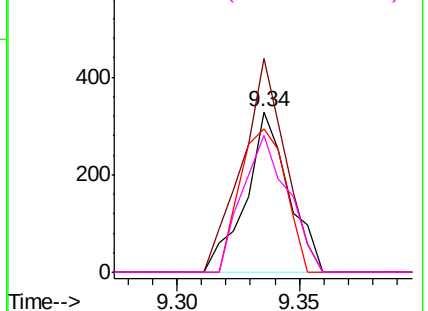
#64
Tetrachloroethene
Concen: 0.258 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005791.D
Acq: 05 Nov 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 401
Ion Ratio Lower Upper
164 100
166 133.1 101.9 152.9
129 89.1 72.6 109.0
131 85.7 71.1 106.7

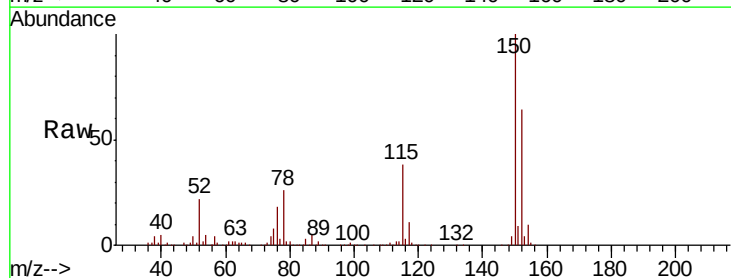


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

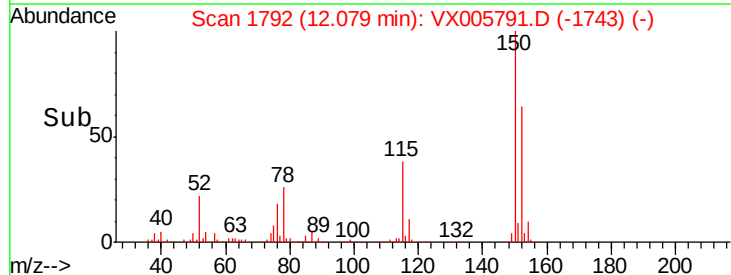
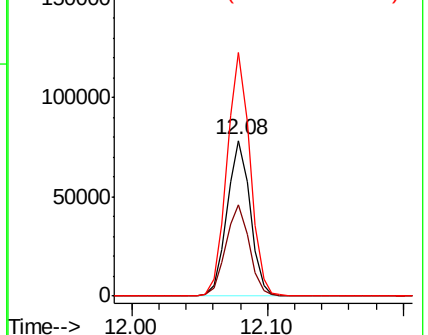


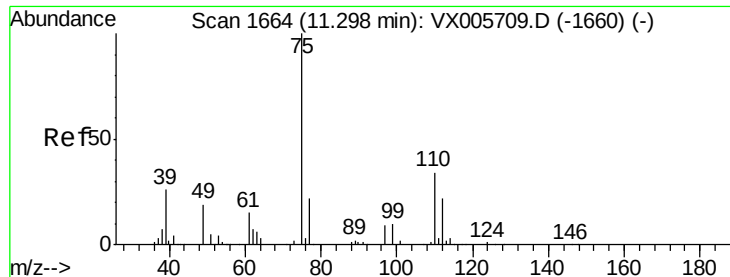
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005791.D
Acq: 05 Nov 2018 20:57

Tgt Ion:152 Resp: 92728
Ion Ratio Lower Upper
152 100
115 59.4 39.4 118.1
150 156.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.666 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005791.D

Acq: 05 Nov 2018 20:57

Instrument :

MSVOA_X

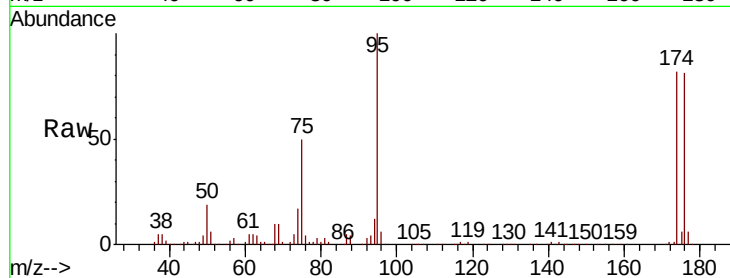
ClientSampleId :

Tot Ion: 75 Resp: 47728

Ion Ratio Lower Upper

75 100

77 1.4 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

40000

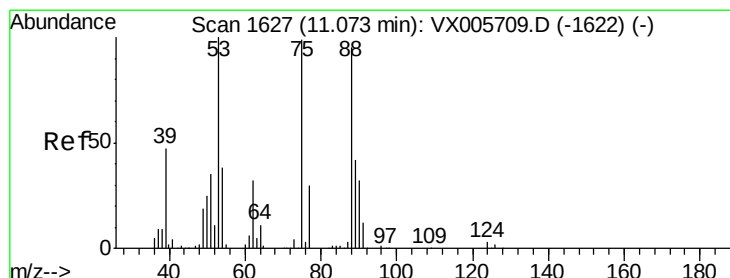
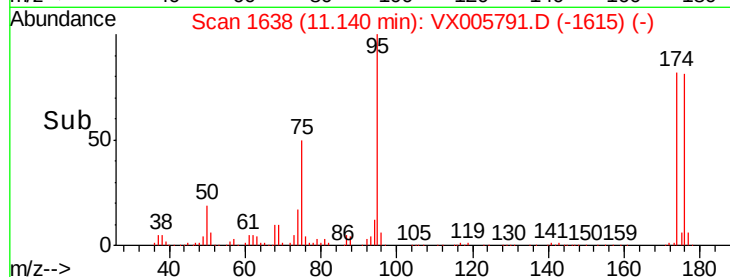
30000

20000

10000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 66.770 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005791.D

Acq: 05 Nov 2018 20:57

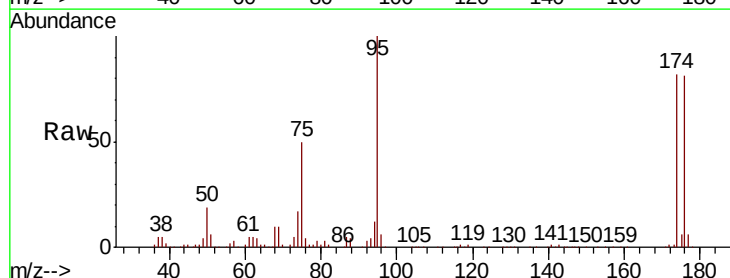
Tgt Ion: 75 Resp: 47728

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.14

40000

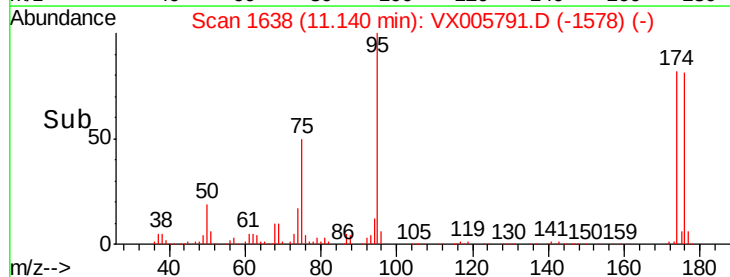
30000

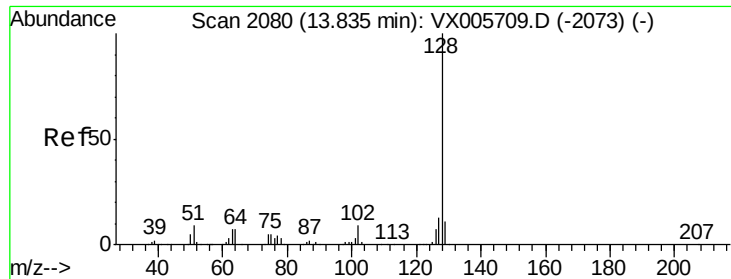
20000

10000

0

Time--> 11.05 11.10 11.15 11.20





#95
Naphthalene
Concen: 0.882 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005791.D
Acq: 05 Nov 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.4	15.6
129	12.8	8.7	13.1

