

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110118\
 Data File : VX005736.D
 Acq On : 01 Nov 2018 18:18
 Operator : JC/MD
 Sample : PB114370ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 01 19:02:53 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	128911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	204689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	179127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	76822	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	95067	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
35) Dibromofluoromethane	5.51	113	70391	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	8.71	98	252596	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	11.14	95	82564	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	

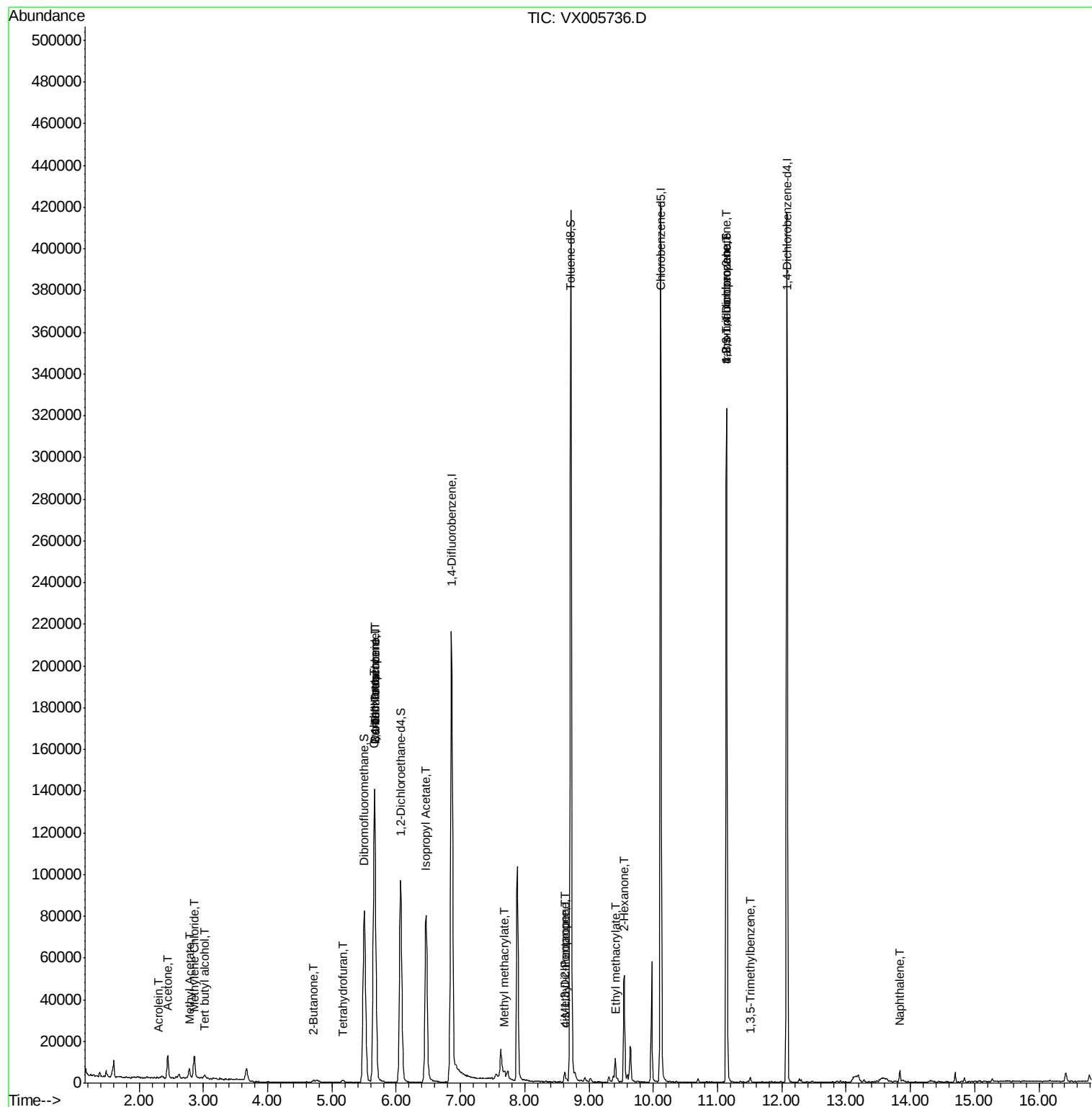
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	44	Below Cal	#	42
11) Tert butyl alcohol	3.02	59	1141	2.229	ug/l #	76
13) Acrolein	2.30	56	162	12.604	ug/l #	78
16) Acetone	2.45	43	11701	2.862	ug/l	92
18) Methyl Acetate	2.78	43	5473	2.023	ug/l	92
20) Methylene Chloride	2.86	84	4894	3.011	ug/l	86
25) 2-Butanone	4.71	43	1991	1.252	ug/l #	74
29) Tetrahydrofuran	5.17	42	847	0.873	ug/l	98
31) Cyclohexane	5.65	56	3273	1.300	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	11032	5.059	ug/l #	48
38) Carbon Tetrachloride	5.67	117	13094	6.646	ug/l #	16
43) Isopropyl Acetate	6.46	43	108027	26.751	ug/l	99
48) Methyl methacrylate	7.68	41	3957	2.025	ug/l #	26
51) 4-Methyl-2-Pentanone	8.62	43	1458	0.530	ug/l #	38
54) cis-1,3-Dichloropropene	8.62	75	696	0.301	ug/l #	77
56) Ethyl methacrylate	9.41	69	237	2.558	ug/l #	1
59) 2-Hexanone	9.55	43	5796	2.587	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	43240	22.599	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.51	105	879	0.204	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	43240	73.016	ug/l #	9
95) Naphthalene	13.83	128	3376	0.630	ug/l	99

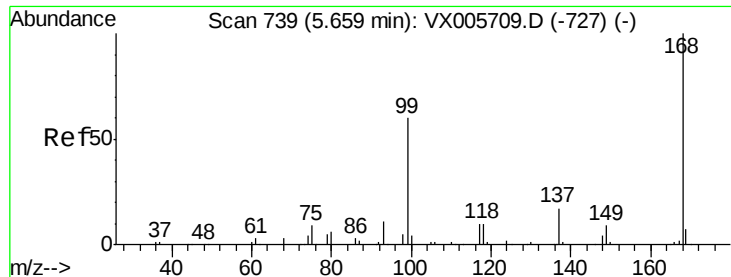
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005736.D

Acq: 01 Nov 2018 18:18

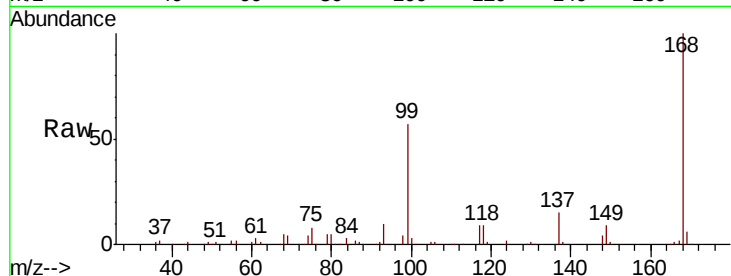
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 128911

Ion Ratio Lower Upper

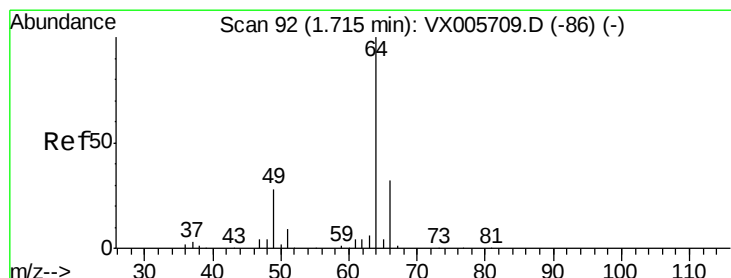
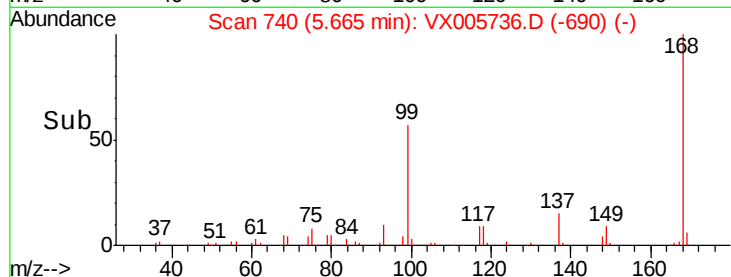
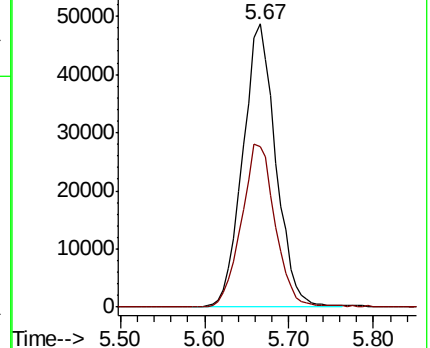
168 100

99 56.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005736.D

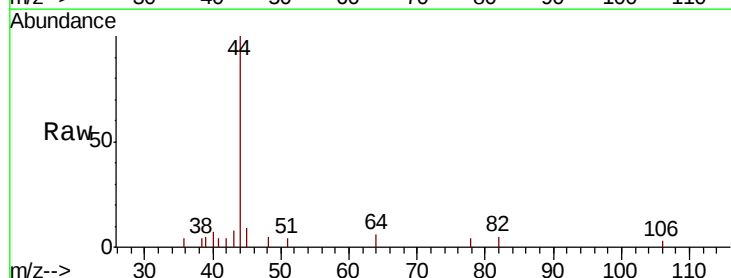
Acq: 01 Nov 2018 18:18

Tgt Ion: 64 Resp: 44

Ion Ratio Lower Upper

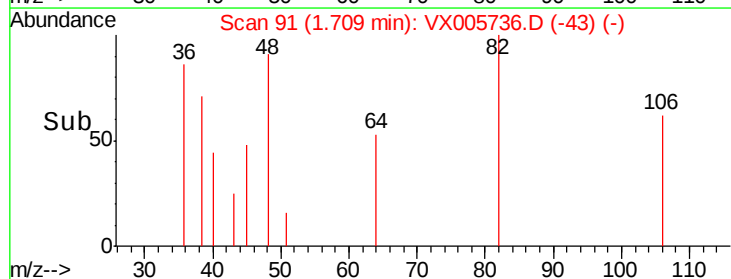
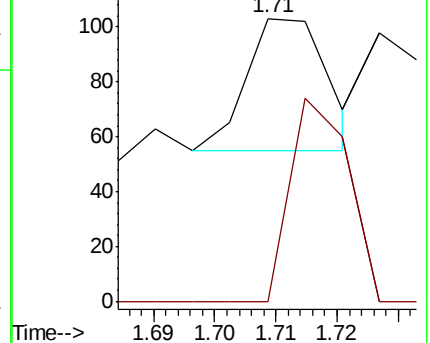
64 100

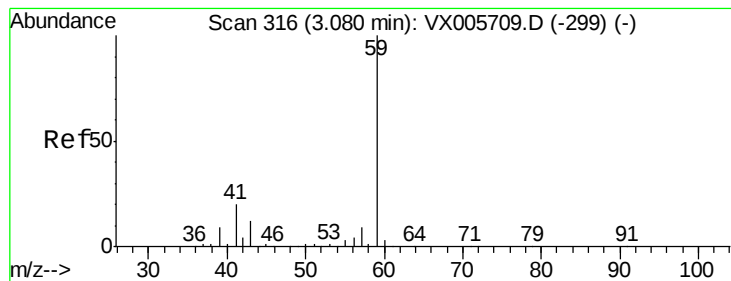
66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



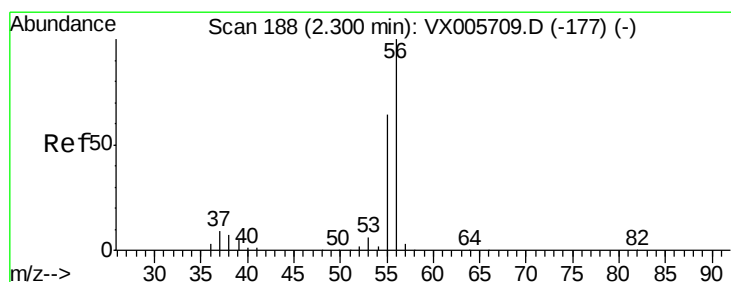
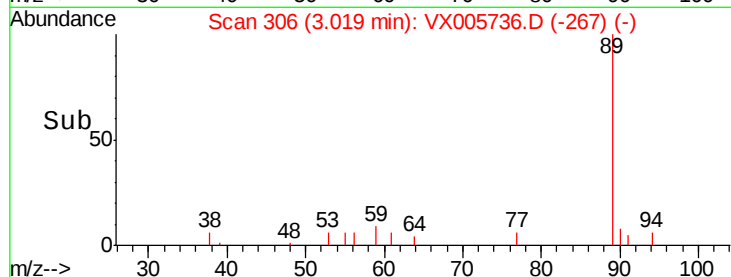
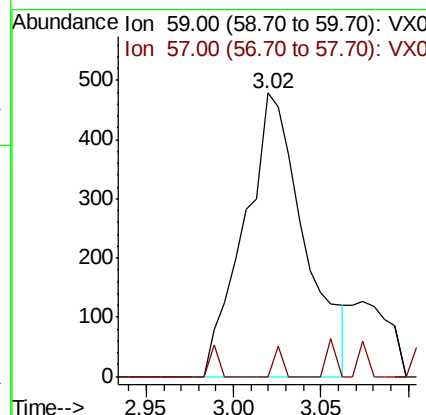
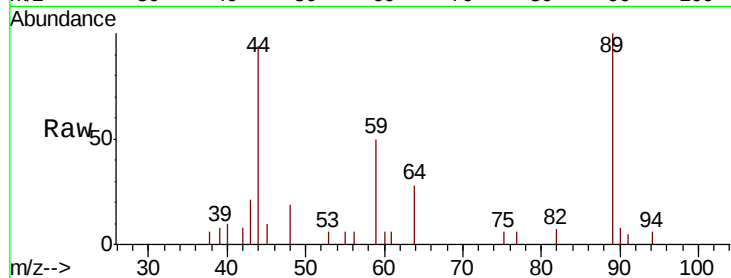


#11

Tert butyl alcohol
 Concen: 2.229 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005736.D
 Acq: 01 Nov 2018 18:18

Instrument :
 MSVOA_X
 ClientSampled :

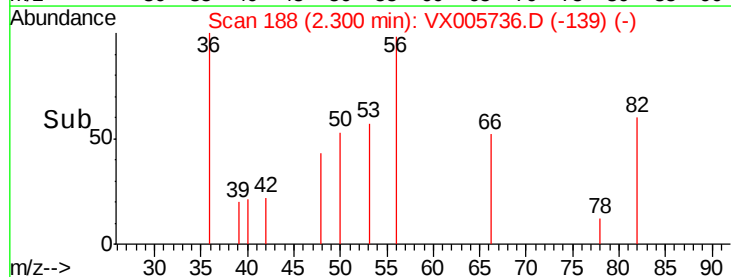
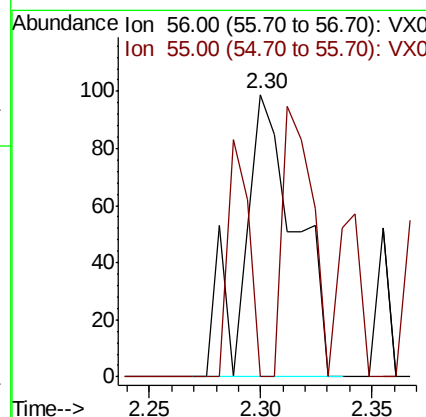
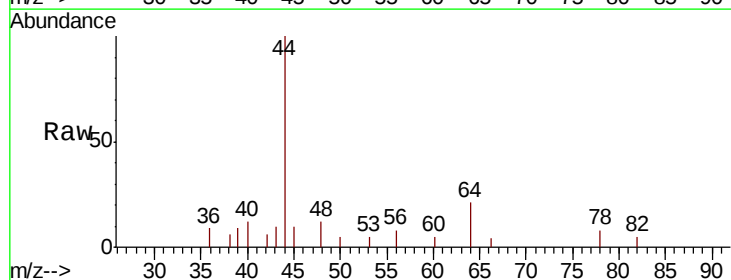
Tot Ion: 59 Resp: 1141
 Ion Ratio Lower Upper
 59 100
 57 1.7 8.5 12.7#

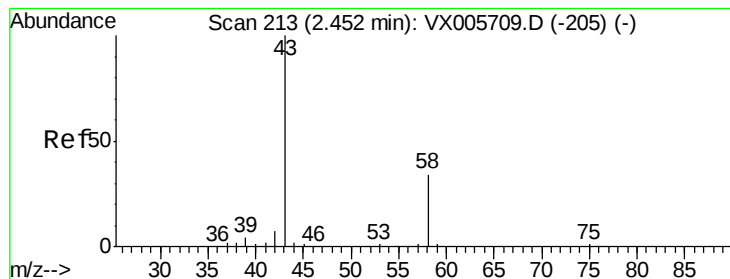


#13

Acrolein
 Concen: 12.604 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VX005736.D
 Acq: 01 Nov 2018 18:18

Tgt Ion: 56 Resp: 162
 Ion Ratio Lower Upper
 56 100
 55 53.7 57.3 85.9#





#16

Acetone

Concen: 2.862 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

Instrument :

MSVOA_X

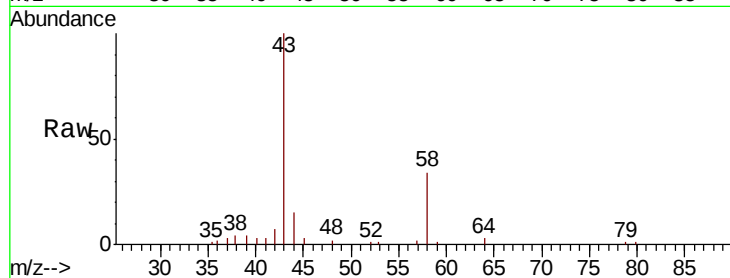
ClientSampleId :

Tot Ion: 43 Resp: 11701

Ion Ratio Lower Upper

43 100

58 34.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

6000

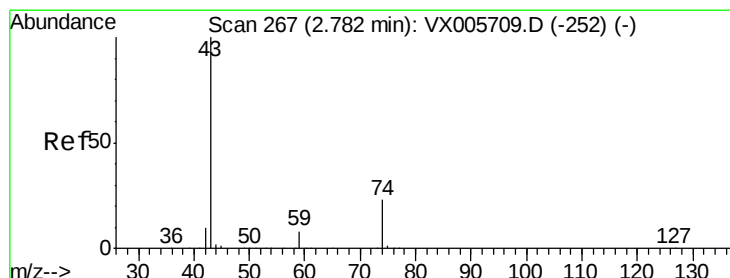
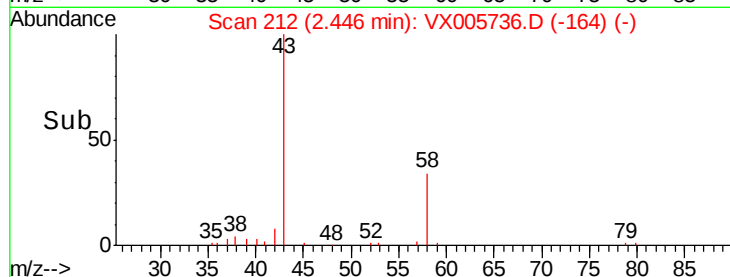
4000

2000

0

Time-->

2.40 2.45 2.50



#18

Methyl Acetate

Concen: 2.023 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005736.D

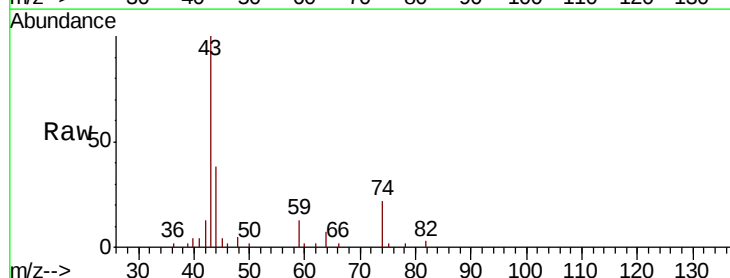
Acq: 01 Nov 2018 18:18

Tgt Ion: 43 Resp: 5473

Ion Ratio Lower Upper

43 100

74 24.5 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

3000

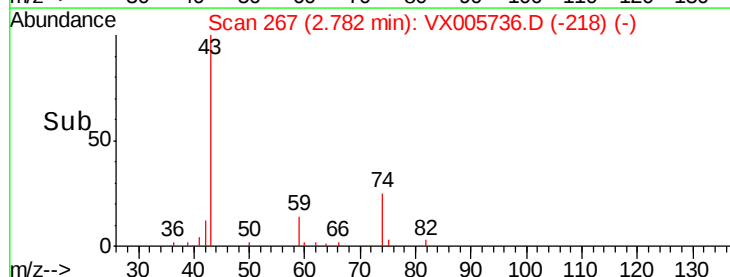
2000

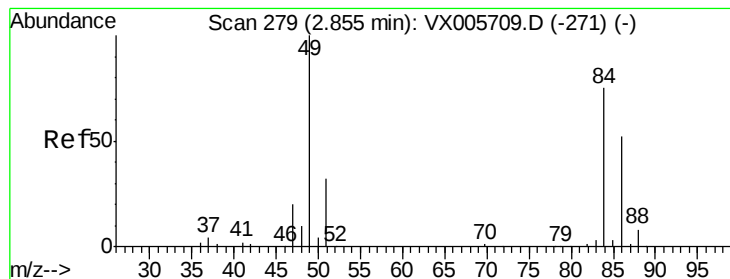
1000

0

Time-->

2.70 2.75 2.80 2.85





#20

Methvlene Chloride

Concen: 3.011 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 4894

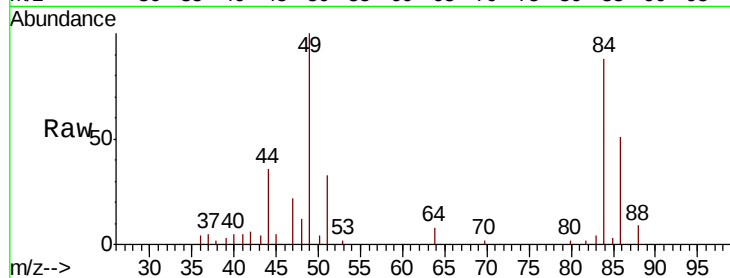
Ion Ratio Lower Upper

84 100

49 114.2 109.5 164.3

51 37.4 33.3 49.9

86 58.2 52.7 79.1

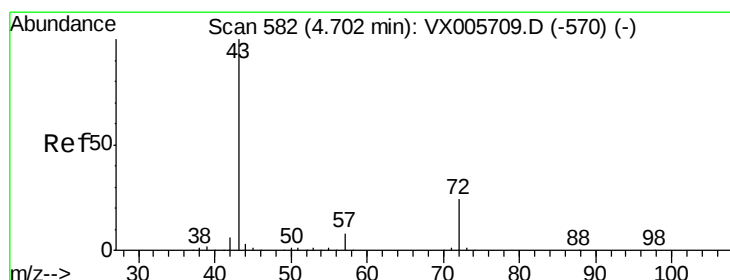
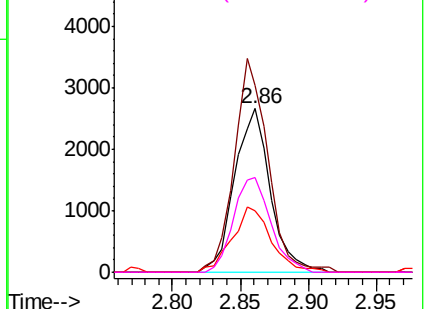
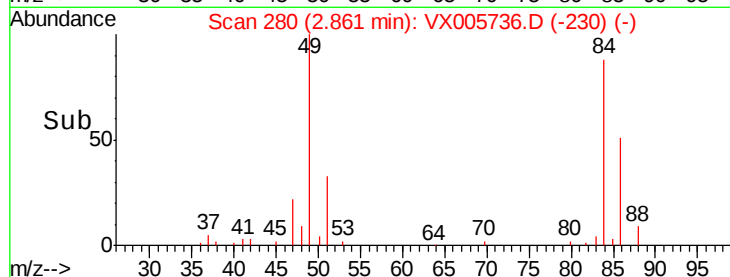


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 1.252 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005736.D

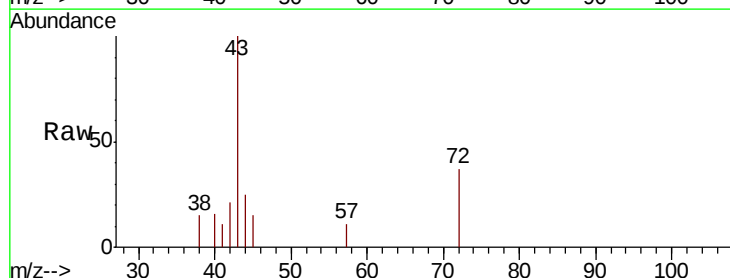
Acq: 01 Nov 2018 18:18

Tgt Ion: 43 Resp: 1991

Ion Ratio Lower Upper

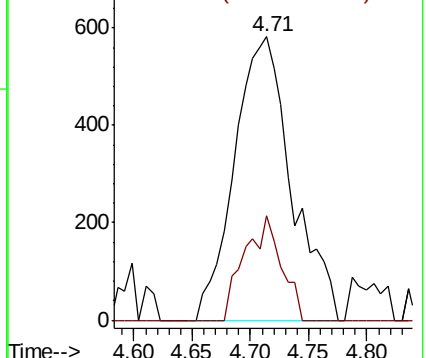
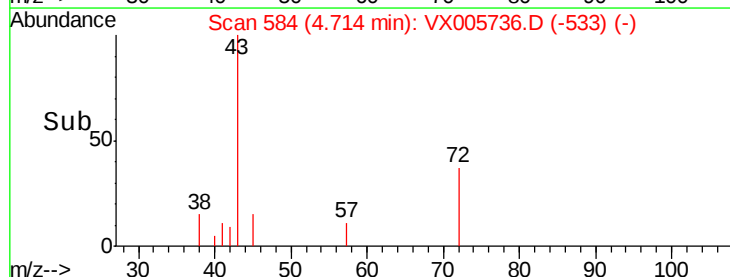
43 100

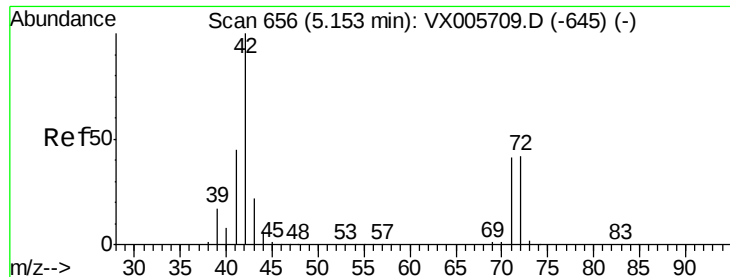
72 36.8 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.873 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

Instrument :

MSVOA_X

ClientSampled :

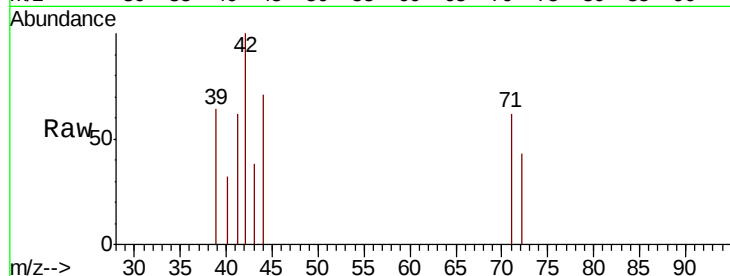
Tot Ion: 42 Resp: 847

Ion Ratio Lower Upper

42 100

72 43.0 32.0 48.0

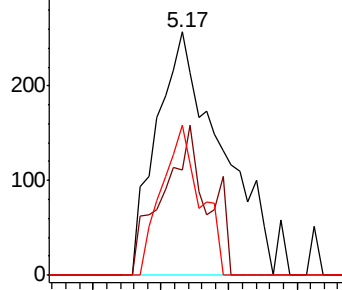
71 37.3 29.8 44.8



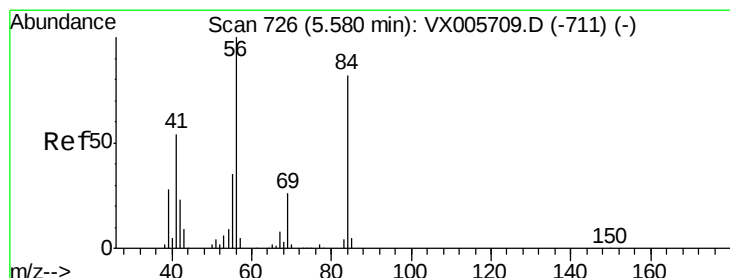
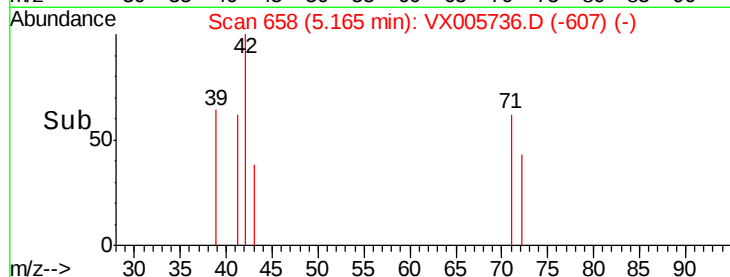
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.300 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

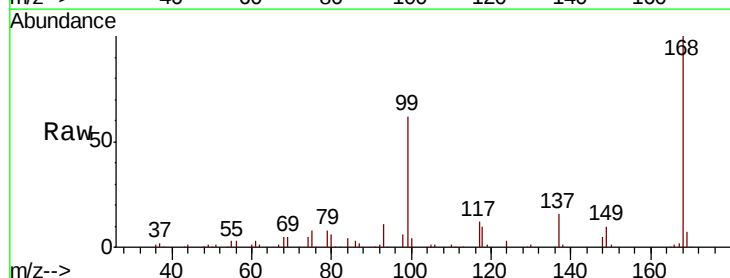
Tgt Ion: 56 Resp: 3273

Ion Ratio Lower Upper

56 100

69 150.3 22.6 34.0#

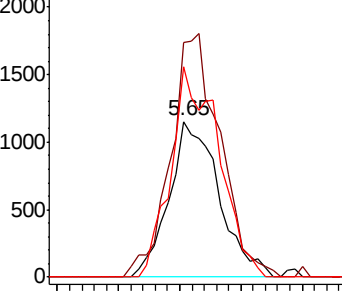
84 134.9 62.7 94.1#



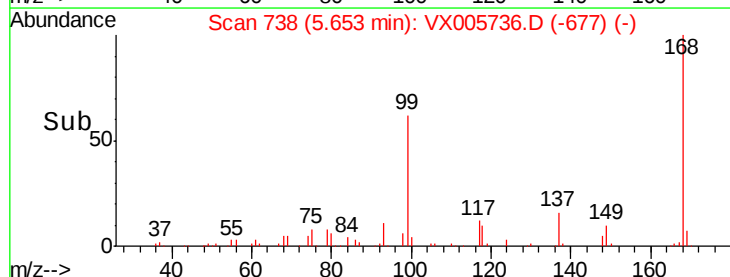
Abundance Ion 56.00 (55.70 to 56.70): VX0

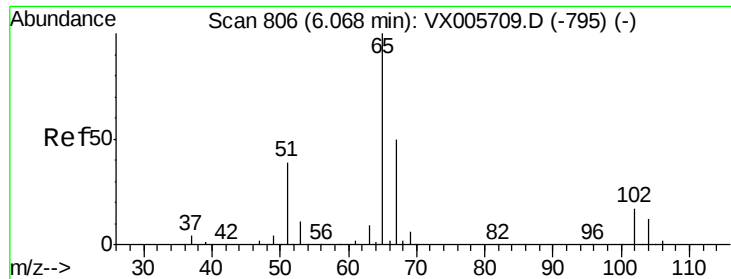
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.441 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

Instrument :

MSVOA_X

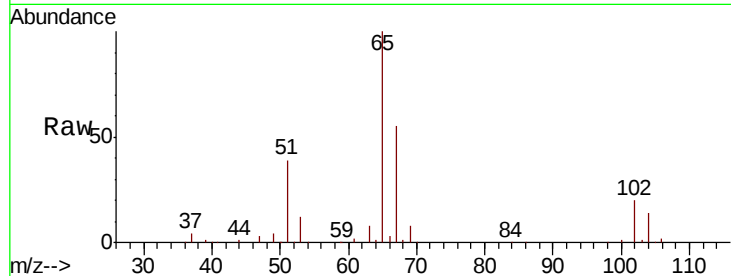
ClientSampleId :

Tot Ion: 65 Resp: 95067

Ion Ratio Lower Upper

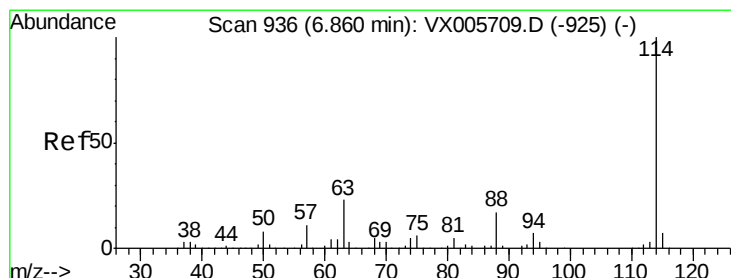
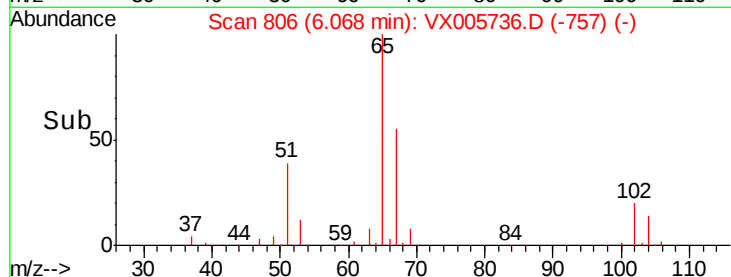
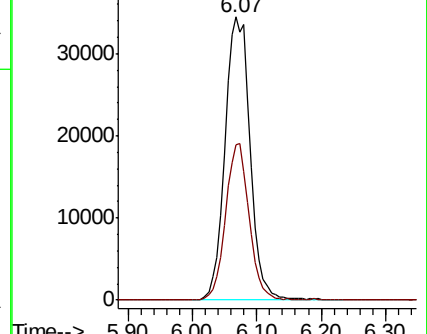
65 100

67 51.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

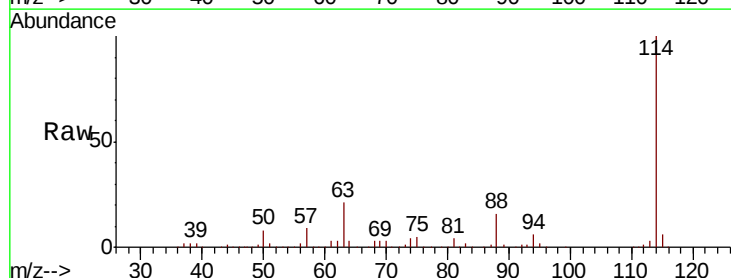
Tgt Ion: 114 Resp: 204689

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

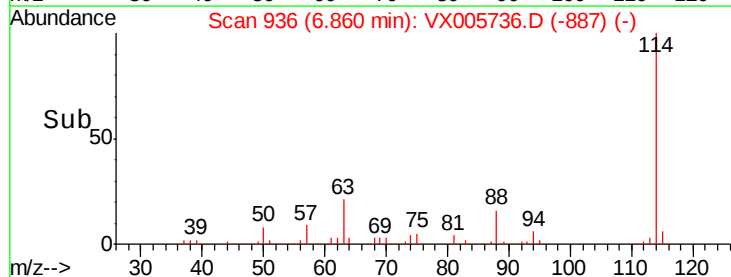
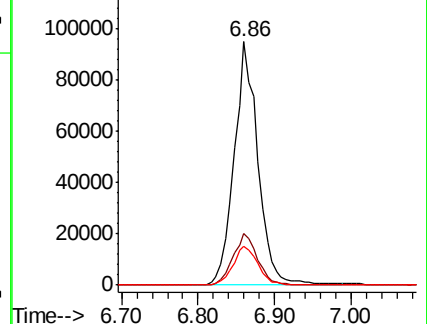
88 15.9 0.0 31.2

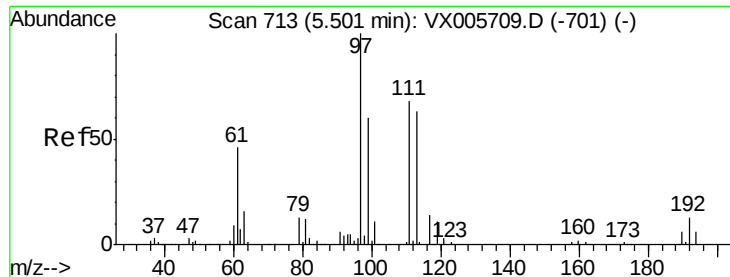


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

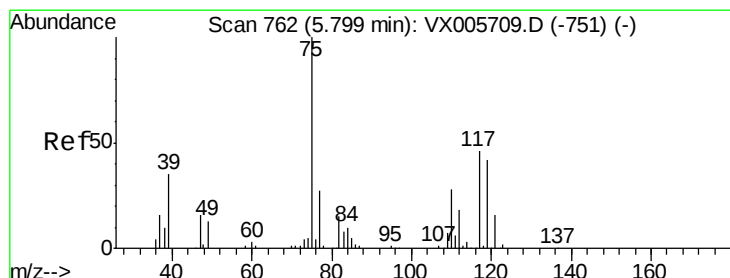
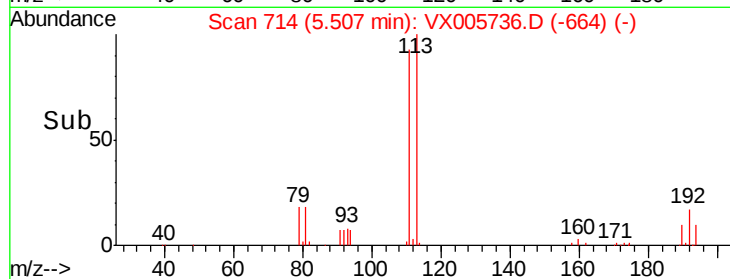
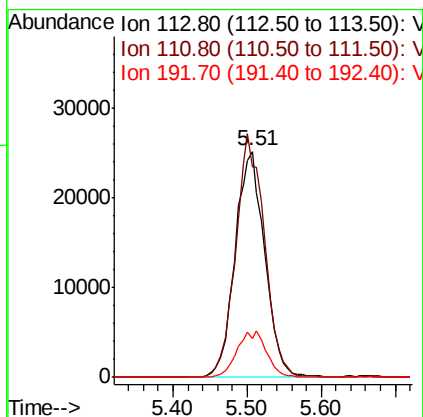
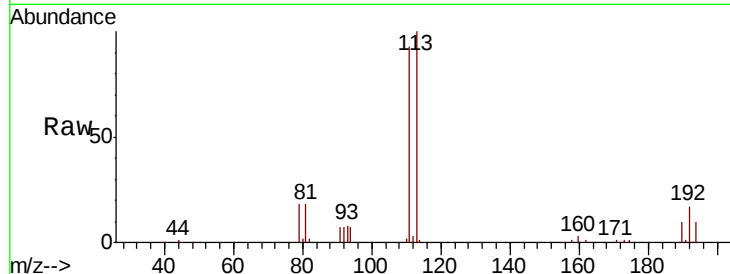




#35
 Dibromofluoromethane
 Concen: 49.666 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005736.D
 Acq: 01 Nov 2018 18:18

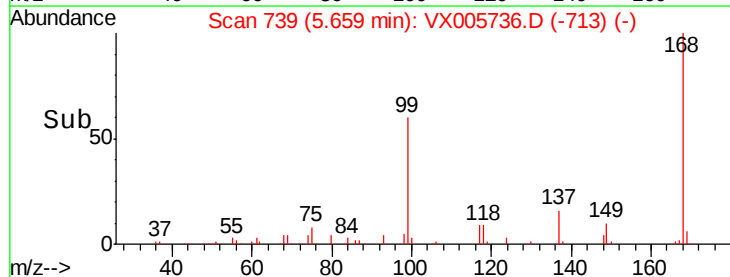
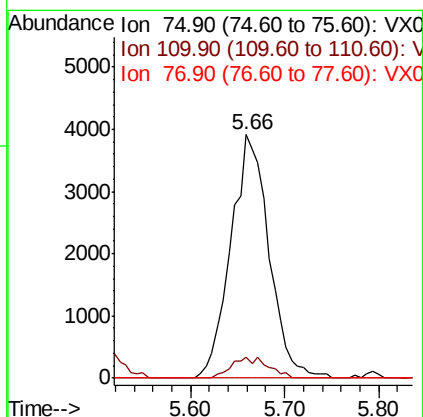
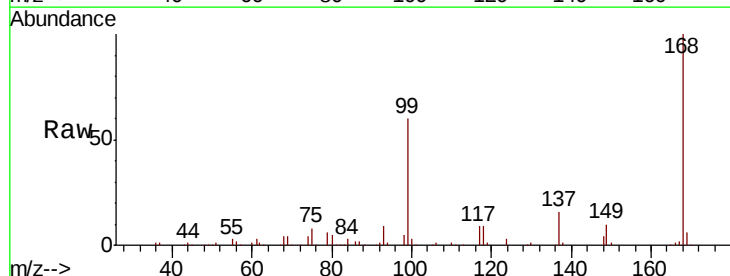
Instrument :
 MSVOA_X
 ClientSampleId :

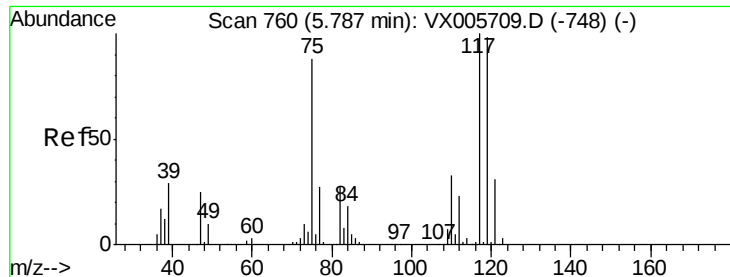
Tot Ion:113 Resp: 70391
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.3 123.5
 192 20.3 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005736.D
 Acq: 01 Nov 2018 18:18

Tgt Ion: 75 Resp: 11032
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.4 52.2#
 77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.646 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

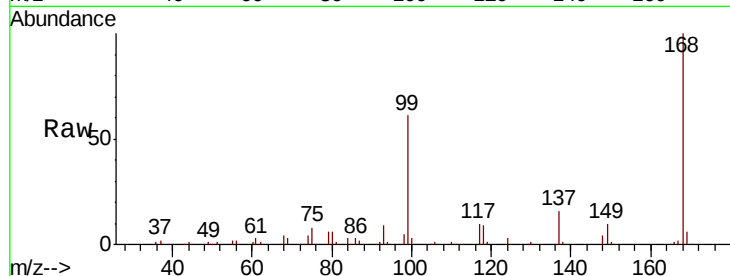
Tot Ion:117 Resp: 13094

Ion Ratio Lower Upper

117 100

119 6.0 78.1 117.1#

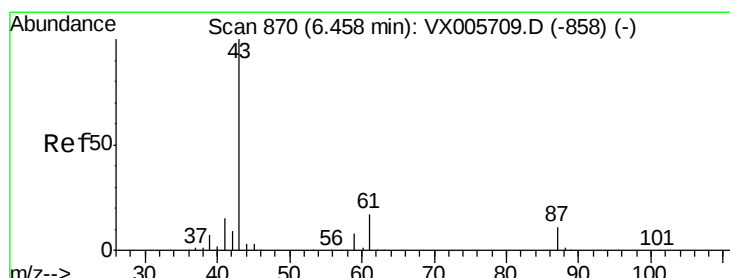
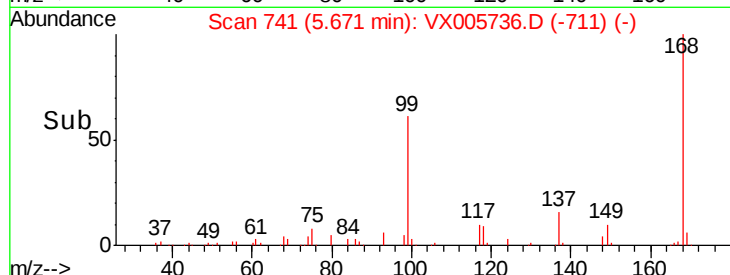
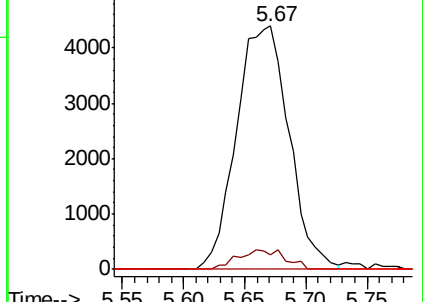
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 26.751 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

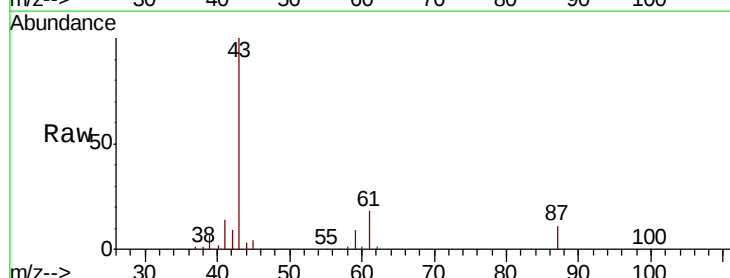
Tgt Ion: 43 Resp: 108027

Ion Ratio Lower Upper

43 100

61 19.0 14.6 22.0

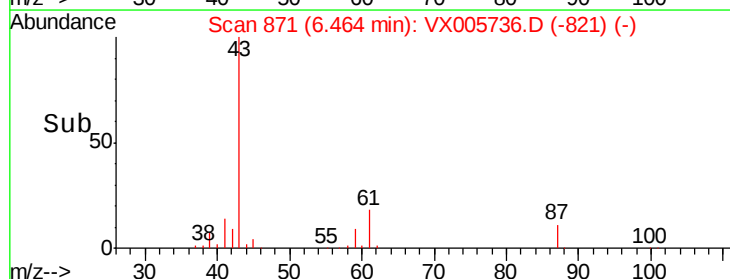
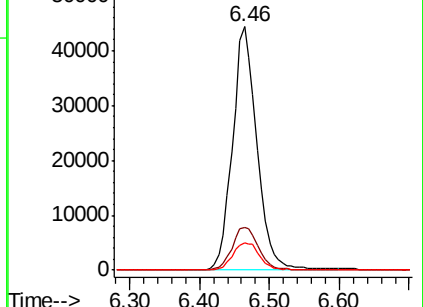
87 12.3 9.6 14.4

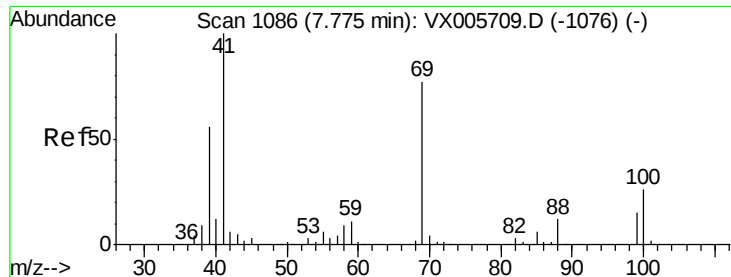


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 2.025 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

Instrument :
MSVOA_X
ClientSampled :

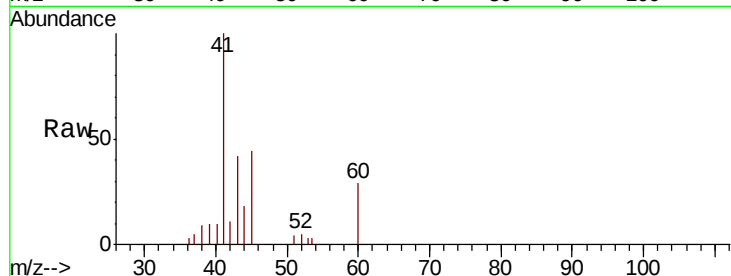
Tot Ion: 41 Resp: 3957

Ion Ratio Lower Upper

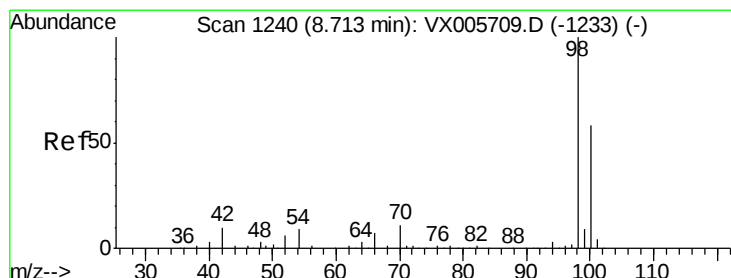
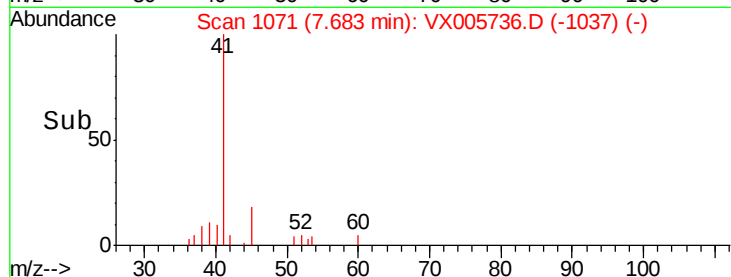
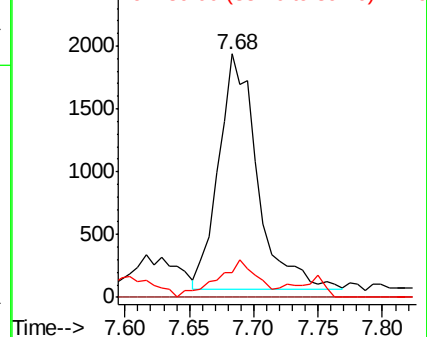
41 100

69 0.0 63.2 94.8#

39 16.7 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 50.815 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005736.D

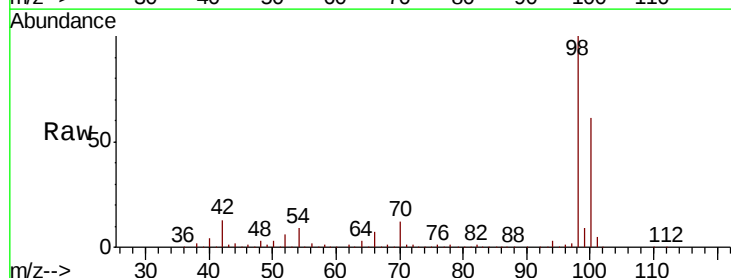
Acq: 01 Nov 2018 18:18

Tgt Ion: 98 Resp: 252596

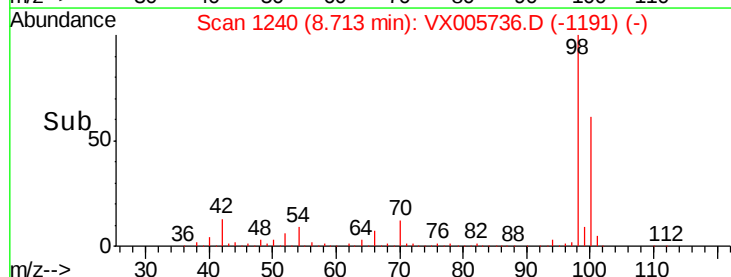
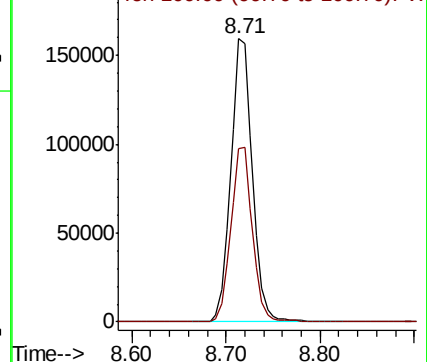
Ion Ratio Lower Upper

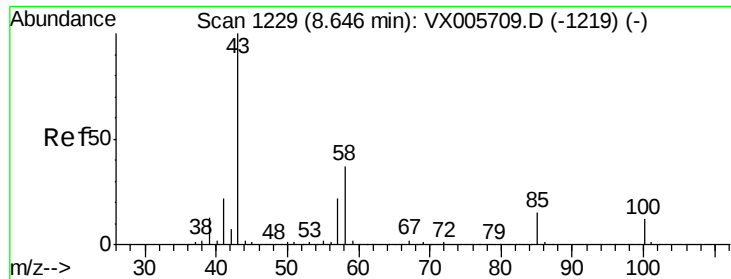
98 100

100 61.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.530 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

Instrument :

MSVOA_X

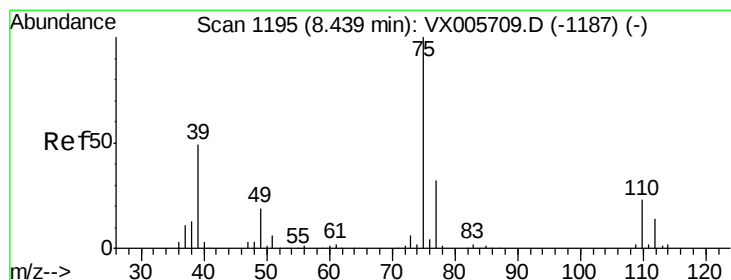
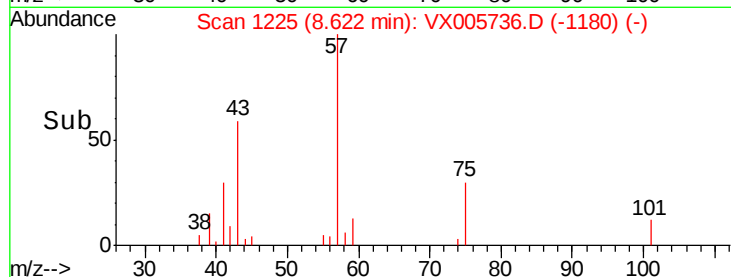
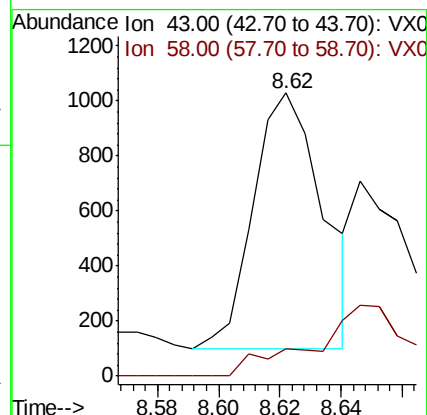
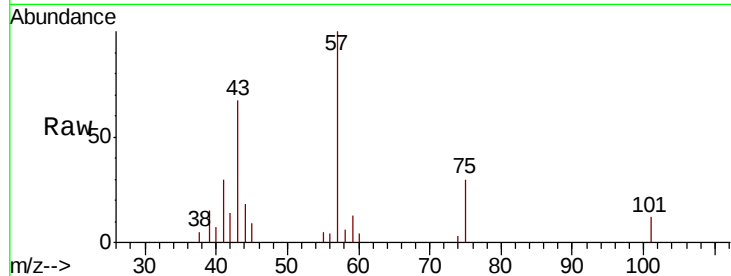
ClientSampleId :

Tot Ion: 43 Resp: 1458

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



#54

cis-1,3-Dichloropropene

Concen: 0.301 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

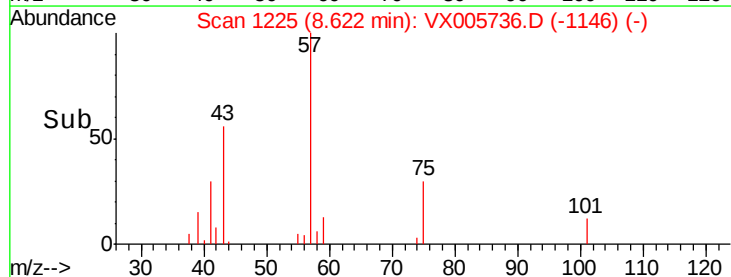
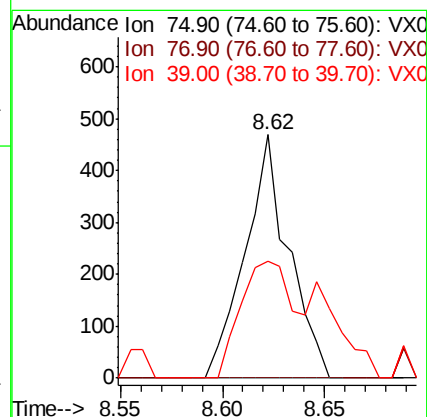
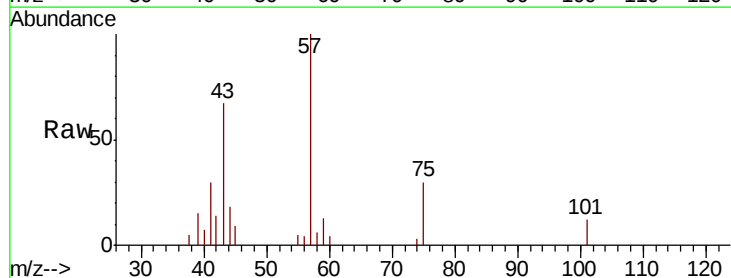
Tgt Ion: 75 Resp: 696

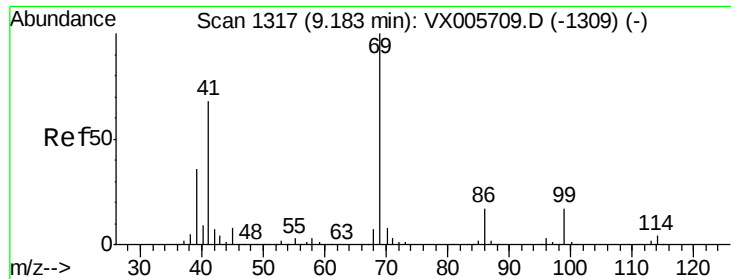
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 48.2 38.2 57.2

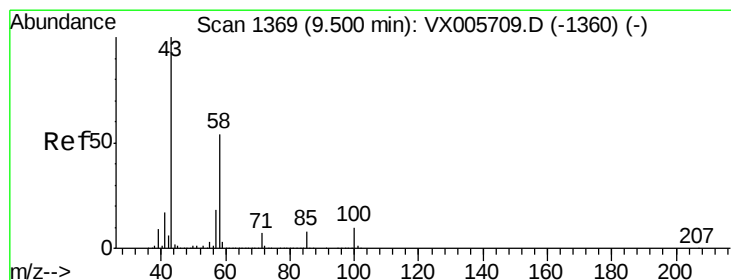
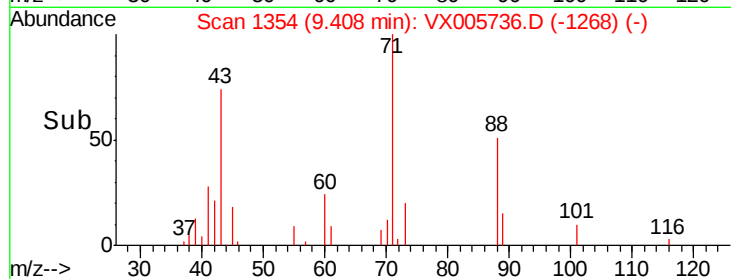
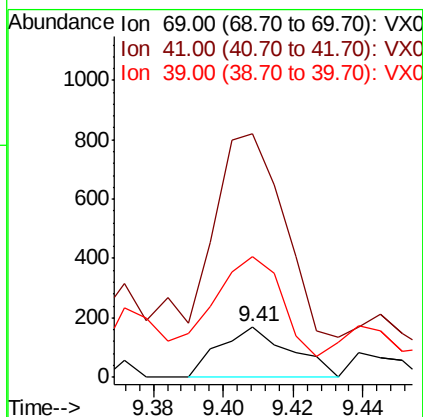
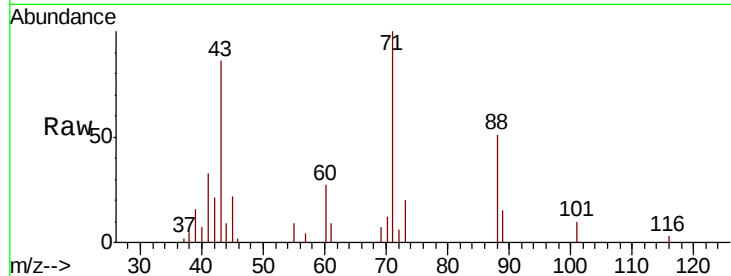




#56
Ethyl methacrylate
Concen: 2.558 ug/l
RT: 9.41 min Scan# 1354
Delta R.T. 0.23 min
Lab File: VX005736.D
Acq: 01 Nov 2018 18:18

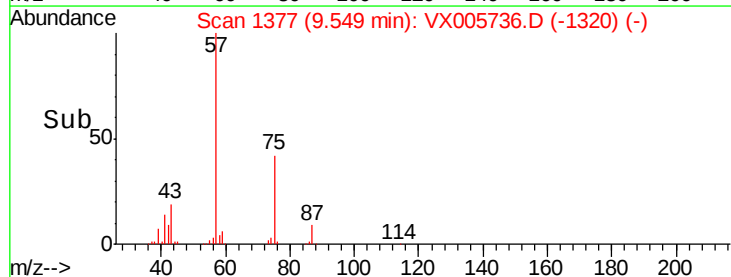
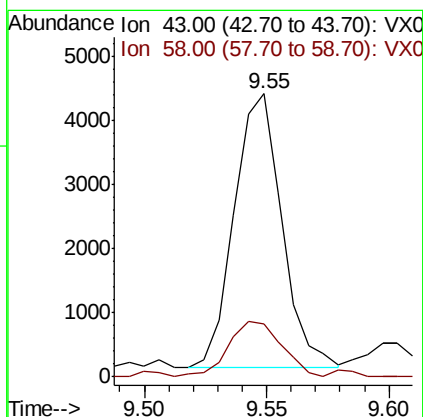
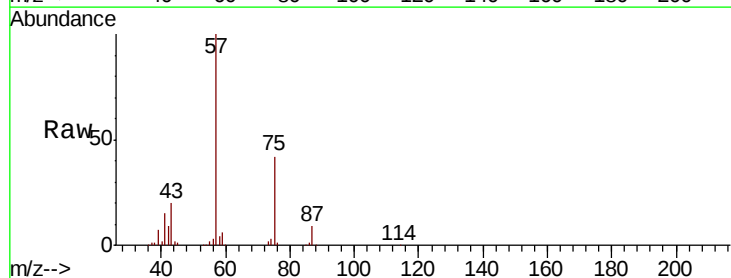
Instrument :
MSVOA_X
ClientSampled :

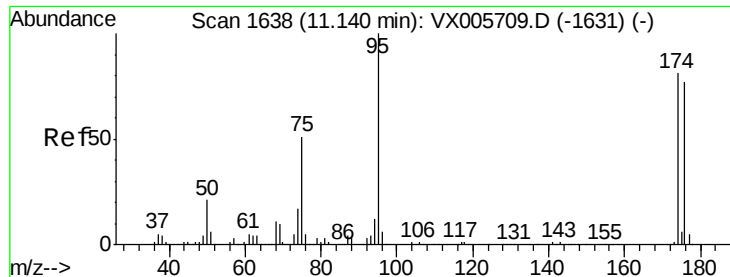
Tot Ion: 69 Resp: 237
Ion Ratio Lower Upper
69 100
41 438.4 57.0 85.6#
39 186.9 28.3 42.5#



#59
2-Hexanone
Concen: 2.587 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX005736.D
Acq: 01 Nov 2018 18:18

Tgt Ion: 43 Resp: 5796
Ion Ratio Lower Upper
43 100
58 22.7 25.9 77.8#





#62

4-Bromofluorobenzene

Concen: 45.004 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005736.D

Acq: 01 Nov 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

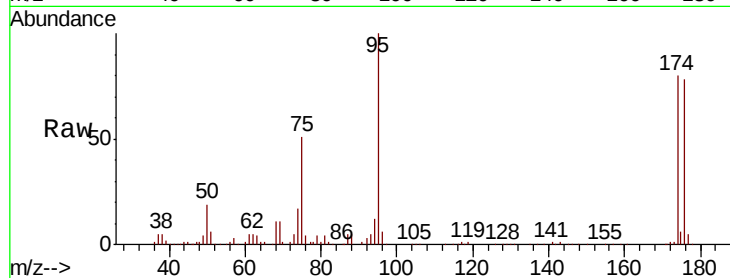
Tot Ion: 95 Resp: 82564

Ion Ratio Lower Upper

95 100

174 77.5 0.0 184.4

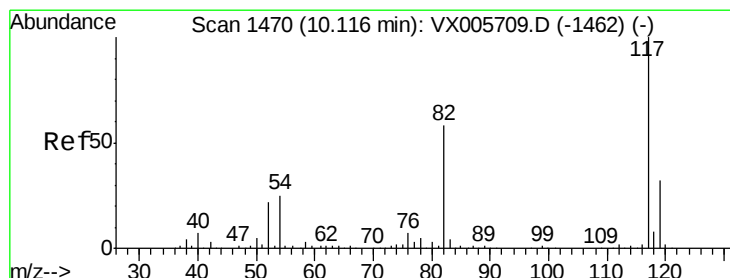
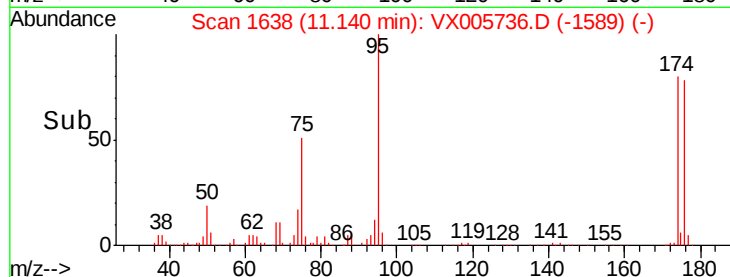
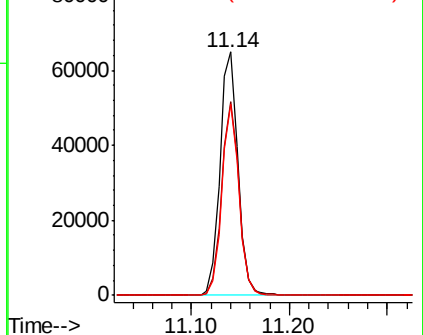
176 74.7 0.0 177.4



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: VX005736.D

Acq: 01 Nov 2018 18:18

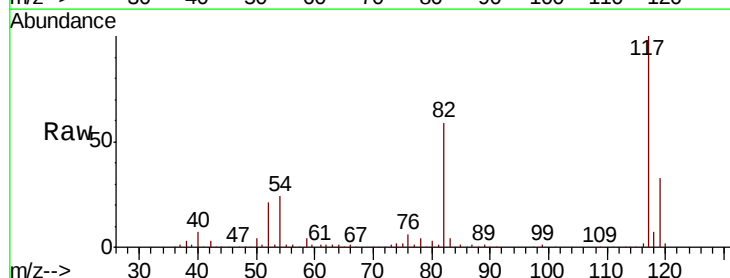
Tgt Ion: 117 Resp: 179127

Ion Ratio Lower Upper

117 100

82 59.5 44.1 66.1

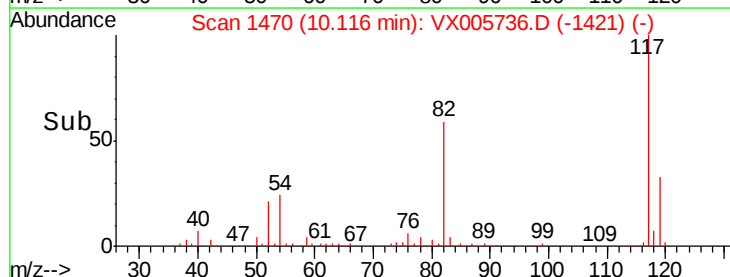
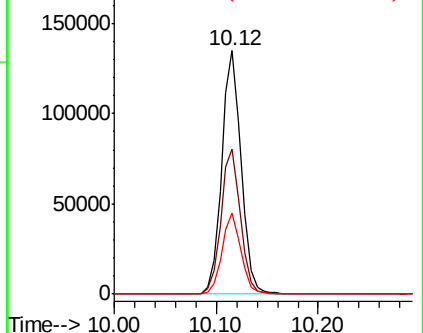
119 33.2 26.2 39.2

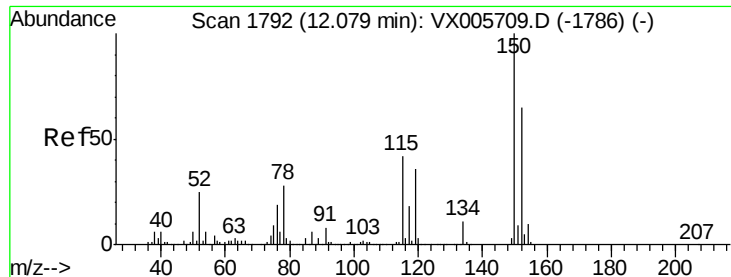


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



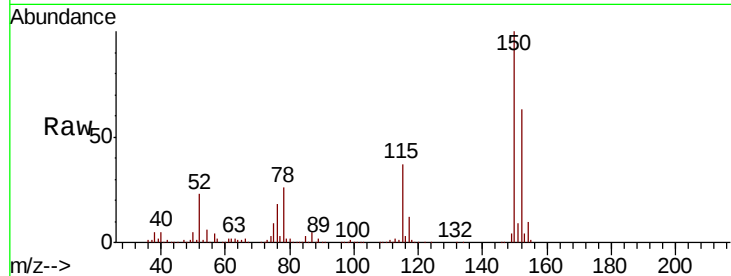


#72

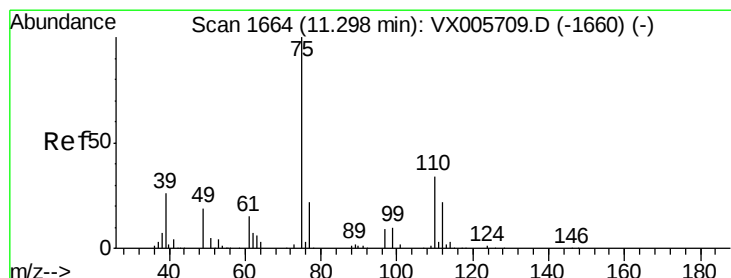
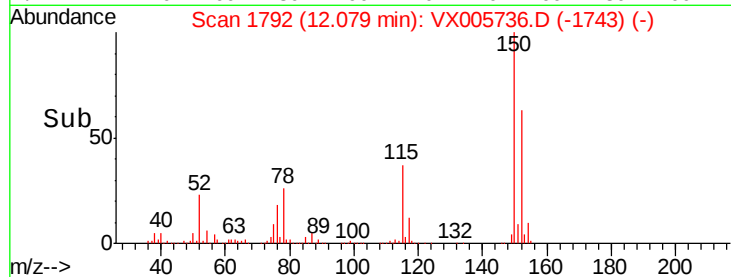
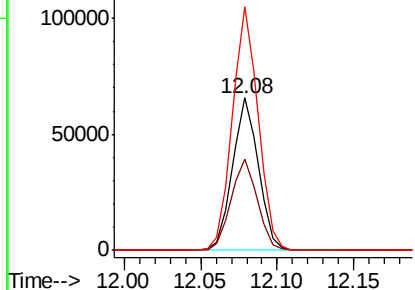
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005736.D
Acq: 01 Nov 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 76822
Ion Ratio Lower Upper
152 100
115 60.9 39.4 118.1
150 159.2 0.0 346.4



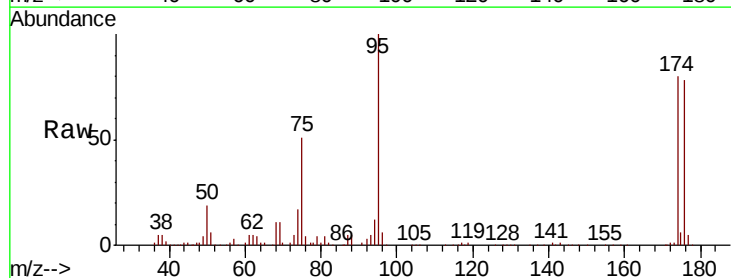
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



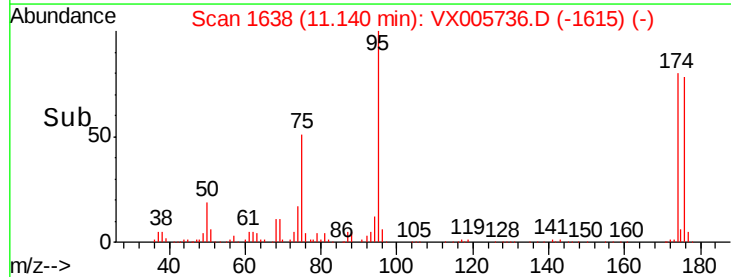
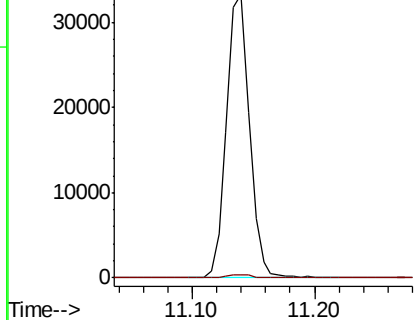
#76

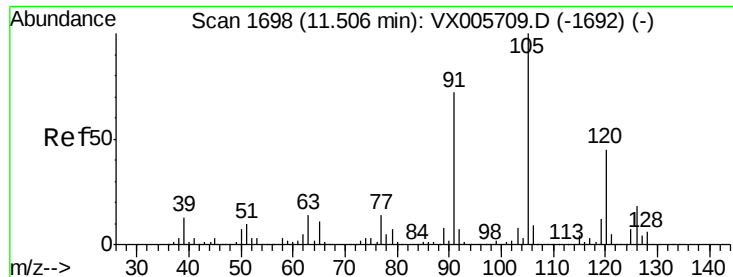
1,2,3-Trichloropropane
Concen: 22.599 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005736.D
Acq: 01 Nov 2018 18:18

Tgt Ion: 75 Resp: 43240
Ion Ratio Lower Upper
75 100
77 1.3 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

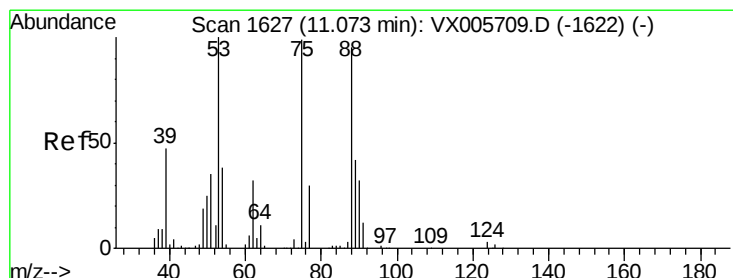
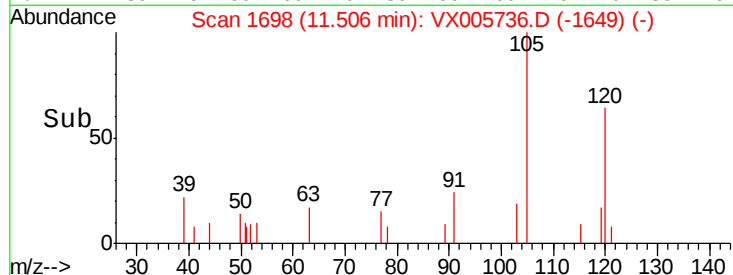
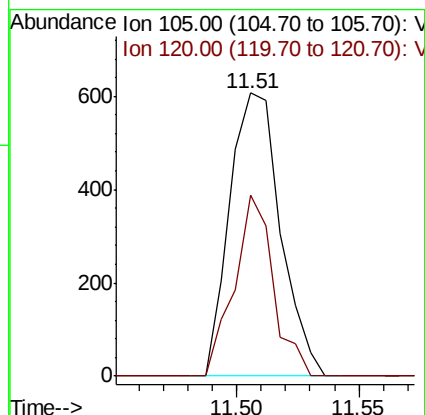
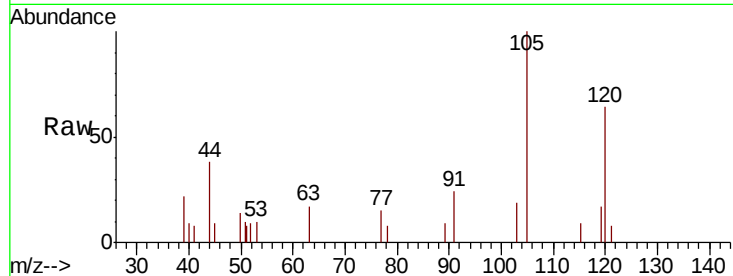




#80
 1,3,5-Trimethylbenzene
 Concen: 0.204 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005736.D
 Acq: 01 Nov 2018 18:18

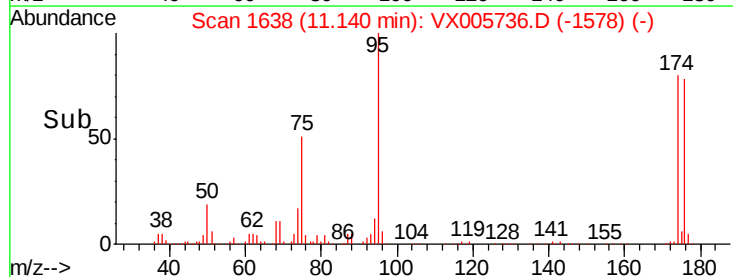
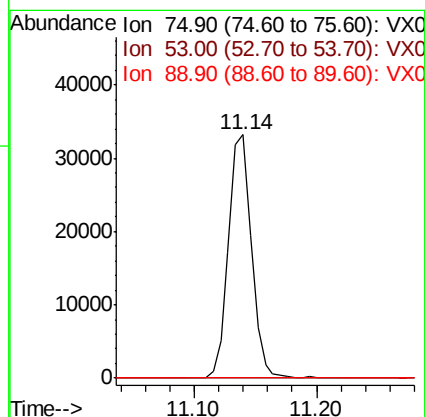
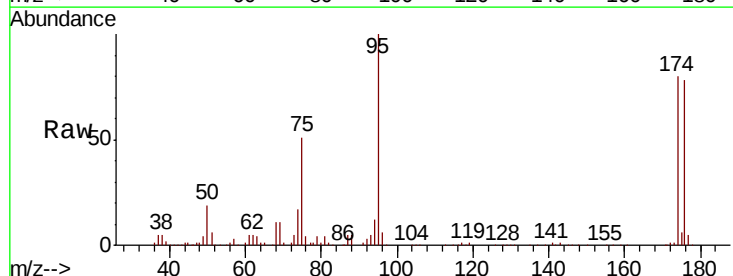
Instrument :
 MSVOA_X
 ClientSampleId :

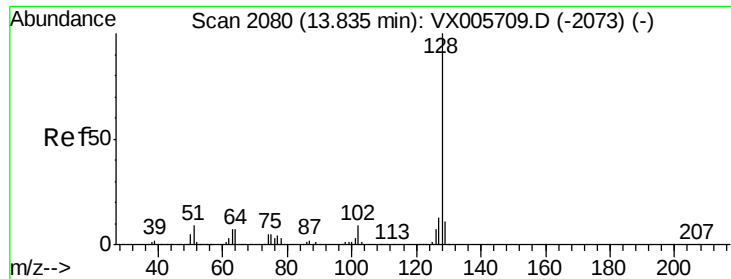
Tot Ion:105 Resp: 879
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.016 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005736.D
 Acq: 01 Nov 2018 18:18

Tgt Ion: 75 Resp: 43240
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.2 120.2#
 89 0.0 39.8 59.8#





#95
Naphthalene
Concen: 0.630 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005736.D
Acq: 01 Nov 2018 18:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.6	8.7	13.1

