

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110118\
 Data File : VX005735.D
 Acq On : 01 Nov 2018 17:51
 Operator : JC/MD
 Sample : PB114370ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 01 18:26:06 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	5.66	168	124797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	203684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	180168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	79121	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	91529	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
35) Dibromofluoromethane	5.51	113	69671	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	8.71	98	253320	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.14	95	82771	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	

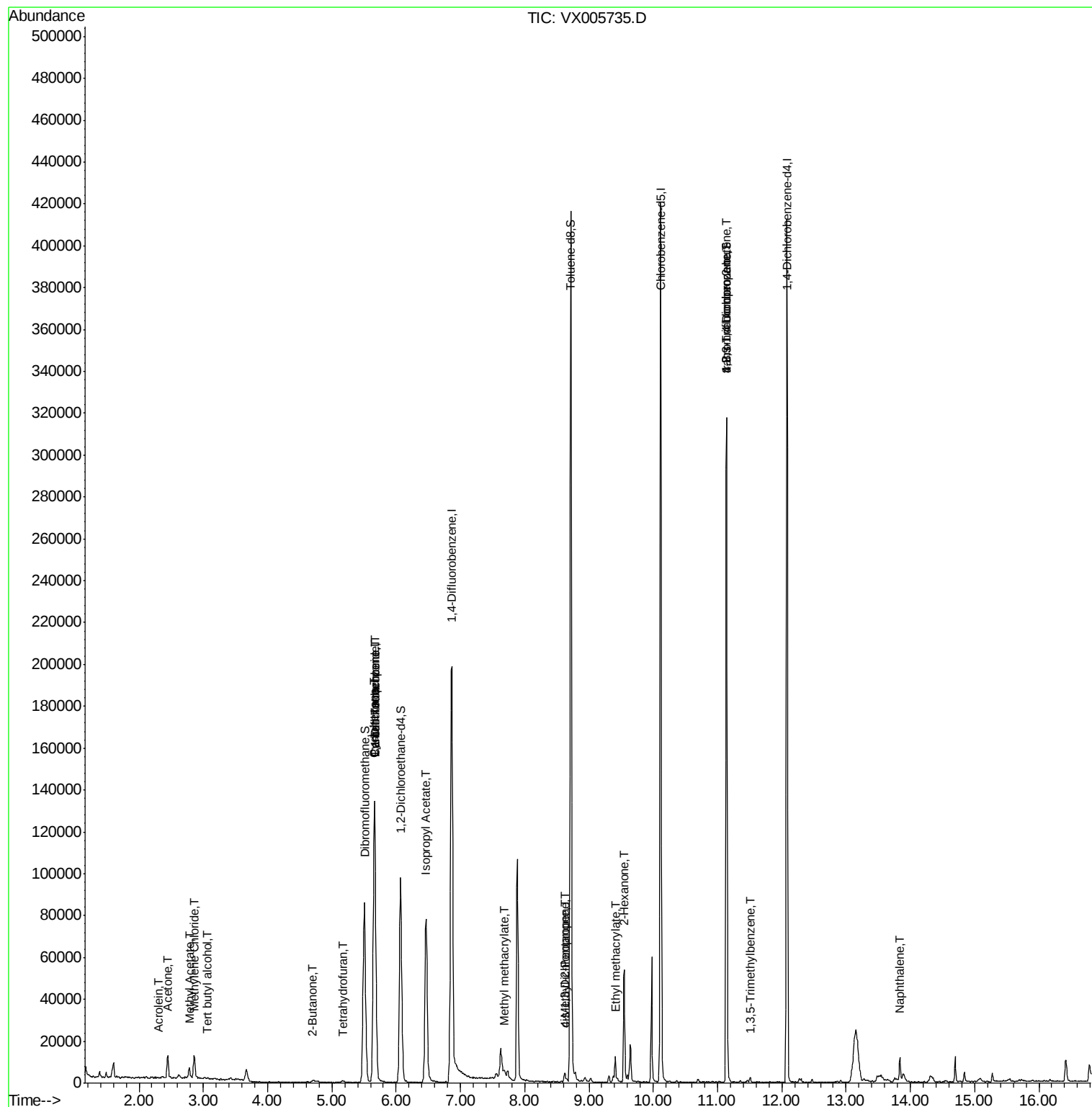
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	130	Below Cal	#	42
11) Tert butyl alcohol	3.06	59	233	0.470	ug/l #	72
13) Acrolein	2.29	56	101	12.454	ug/l #	79
16) Acetone	2.45	43	11125	2.638	ug/l	93
18) Methyl Acetate	2.78	43	6144	2.346	ug/l	93
20) Methylene Chloride	2.86	84	4635	2.946	ug/l #	90
25) 2-Butanone	4.70	43	2027	1.317	ug/l #	89
29) Tetrahydrofuran	5.17	42	810	0.862	ug/l #	81
31) Cyclohexane	5.65	56	3015	1.237	ug/l #	37
36) 1,1-Dichloropropene	5.67	75	10698	4.930	ug/l #	48
38) Carbon Tetrachloride	5.67	117	12361	6.305	ug/l #	16
43) Isopropyl Acetate	6.46	43	107699	26.802	ug/l	98
48) Methyl methacrylate	7.68	41	4095	2.106	ug/l #	24
51) 4-Methyl-2-Pentanone	8.62	43	2183	0.797	ug/l #	38
54) cis-1,3-Dichloropropene	8.62	75	649	0.282	ug/l #	77
56) Ethyl methacrylate	9.41	69	279	2.574	ug/l #	1
59) 2-Hexanone	9.55	43	5989	2.686	ug/l #	62
76) 1,2,3-Trichloropropane	11.14	75	43499	22.074	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.51	105	984	0.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	43499	71.319	ug/l #	9
95) Naphthalene	13.83	128	7321	1.327	ug/l	98

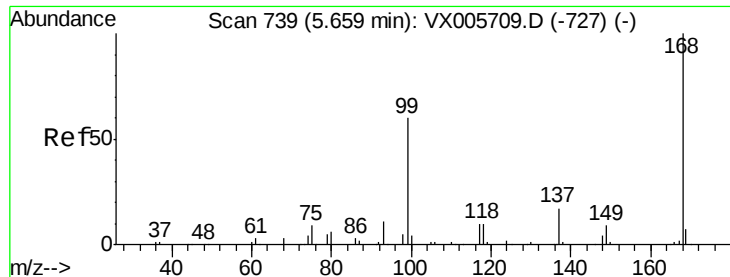
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110118\
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Instrument :
MSVOA_X
ClientSampled :

Quant Time: Nov 01 18:26:06 2018
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: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005735.D

Acq: 01 Nov 2018 17:51

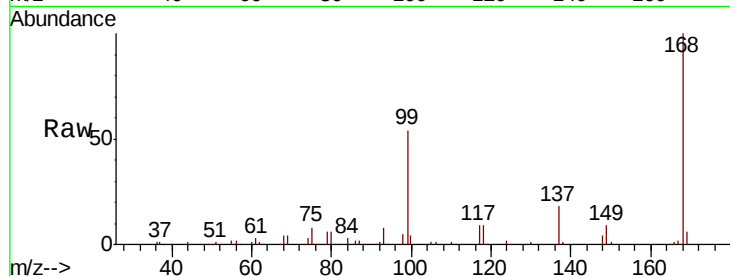
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 124797

Ion Ratio Lower Upper

168 100

99 53.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

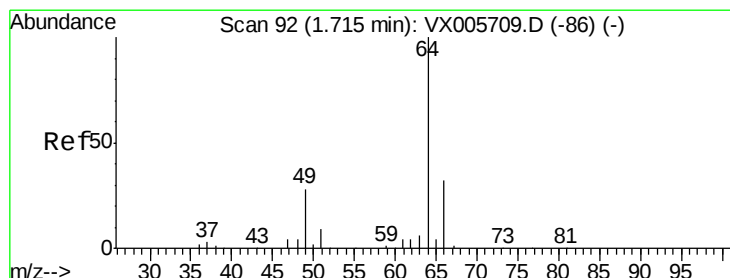
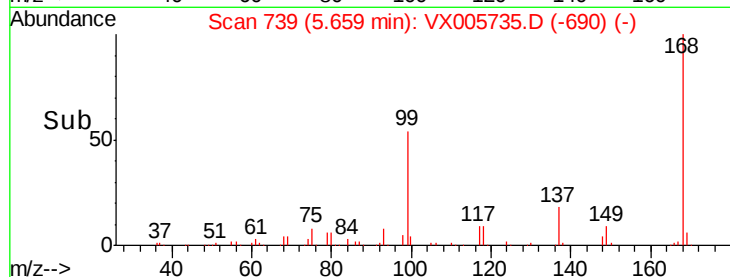
30000

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: VX005735.D

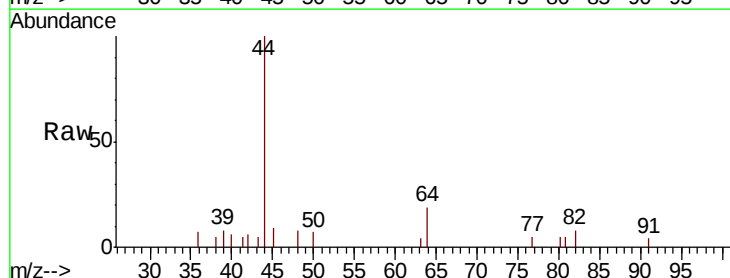
Acq: 01 Nov 2018 17:51

Tgt Ion: 64 Resp: 130

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

1.73

300

250

200

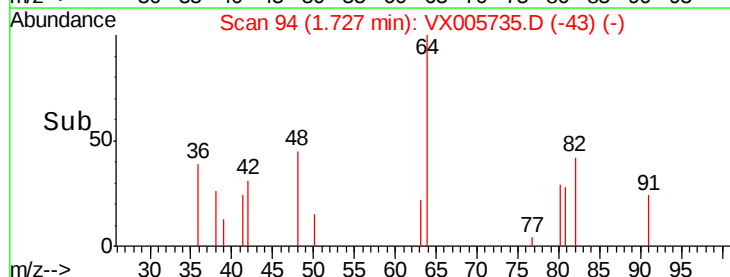
150

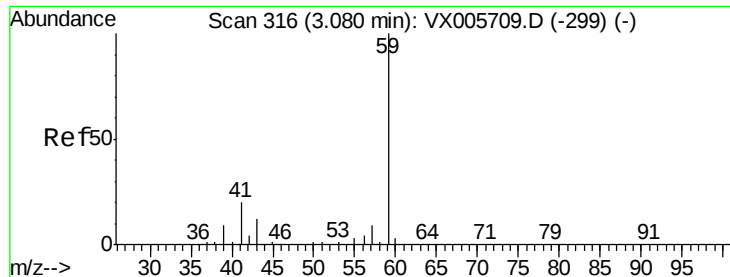
100

50

0

Time--> 1.70 1.72 1.74



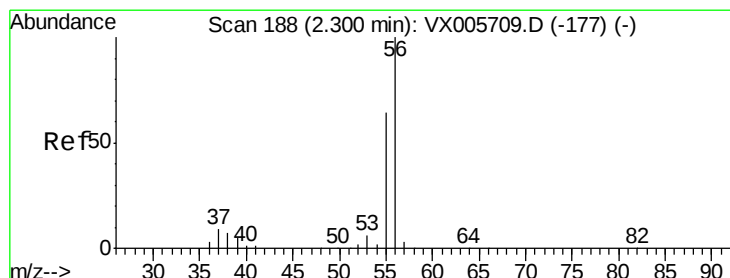
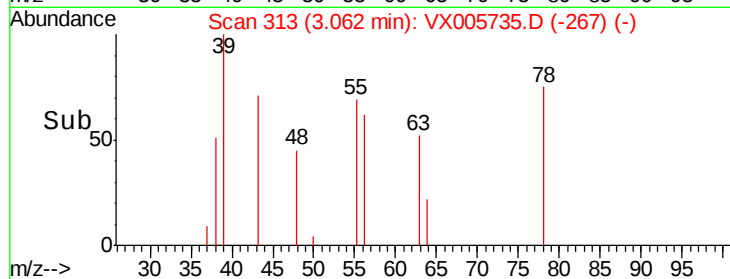
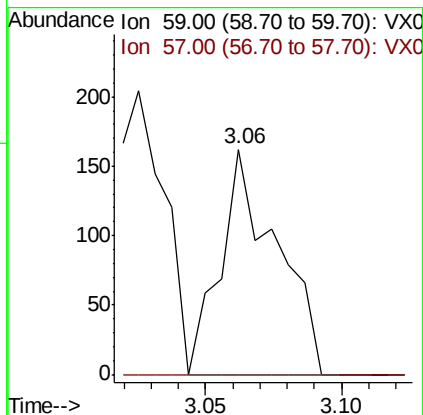
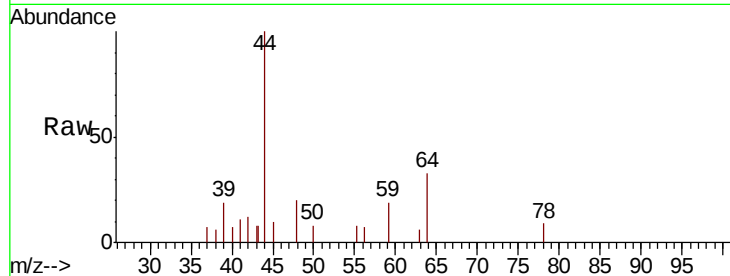


#11

Tert butyl alcohol
 Concen: 0.470 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX005735.D
 Acq: 01 Nov 2018 17:51

Instrument :
 MSVOA_X
 ClientSampled :

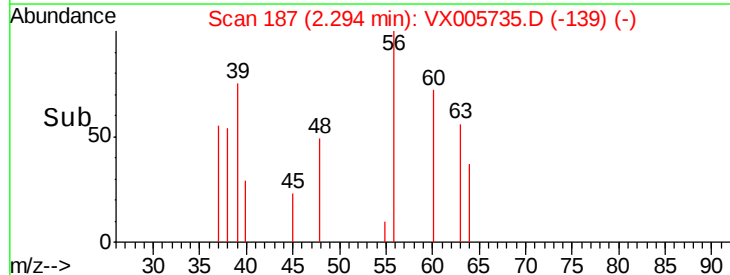
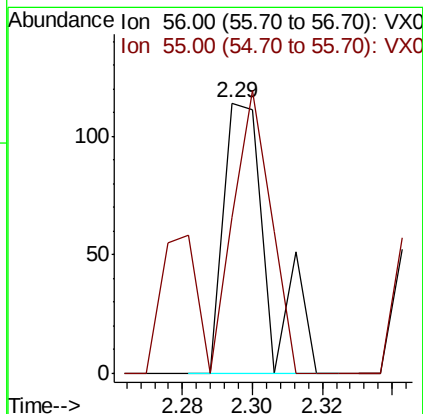
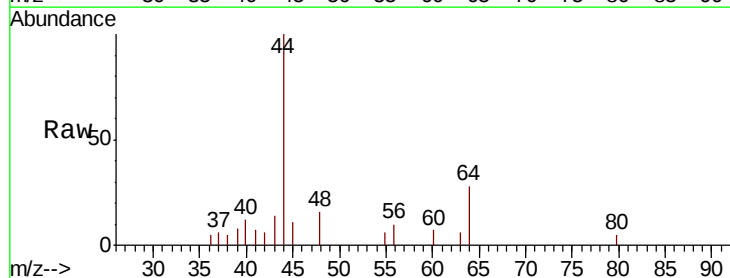
Tot Ion: 59 Resp: 233
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

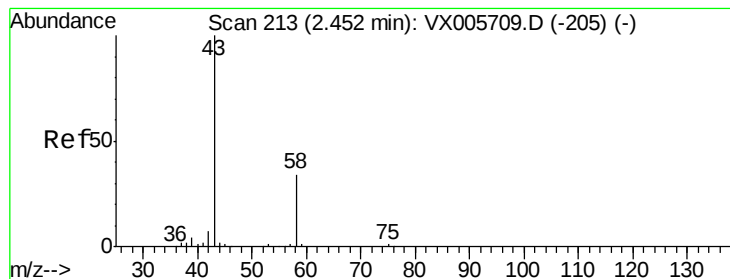


#13

Acrolein
 Concen: 12.454 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VX005735.D
 Acq: 01 Nov 2018 17:51

Tgt Ion: 56 Resp: 101
 Ion Ratio Lower Upper
 56 100
 55 89.1 57.3 85.9#





#16

Acetone

Concen: 2.638 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX005735.D

Acq: 01 Nov 2018 17:51

Instrument :

MSVOA_X

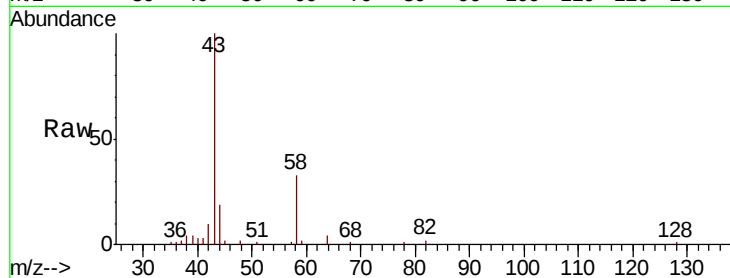
ClientSampleId :

Tot Ion: 43 Resp: 11125

Ion Ratio Lower Upper

43 100

58 33.5 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

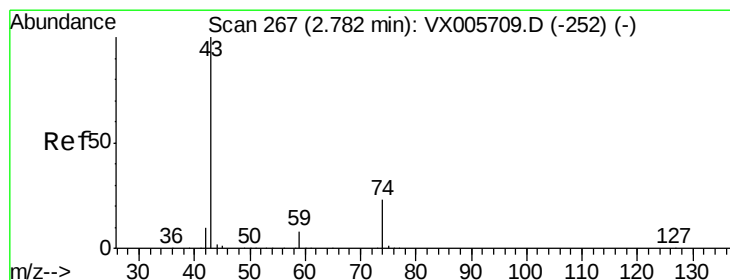
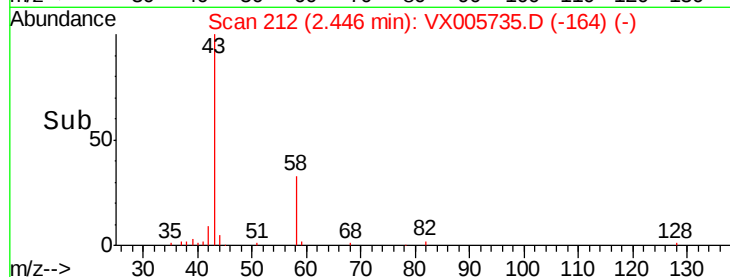
6000

4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 2.346 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005735.D

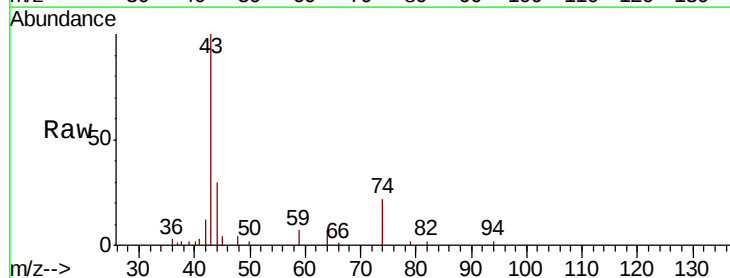
Acq: 01 Nov 2018 17:51

Tgt Ion: 43 Resp: 6144

Ion Ratio Lower Upper

43 100

74 24.2 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

4000

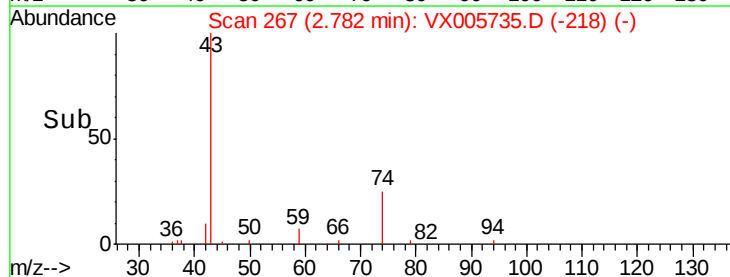
3000

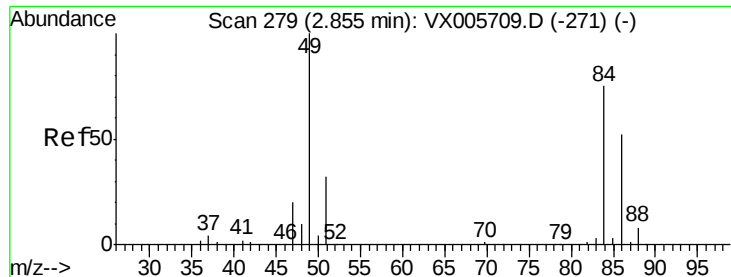
2000

1000

0

Time--> 2.70 2.75 2.80 2.85

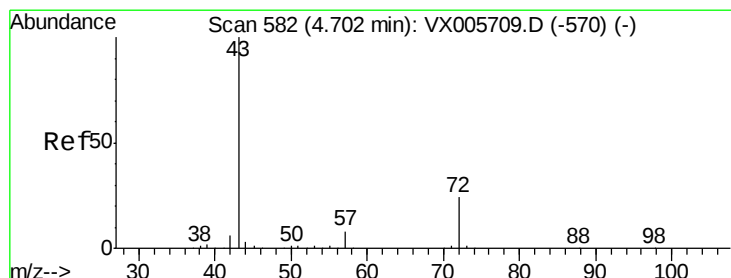
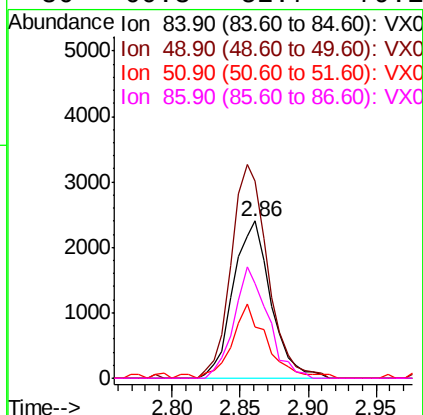
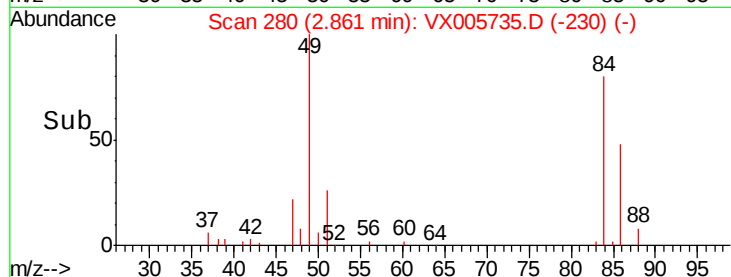
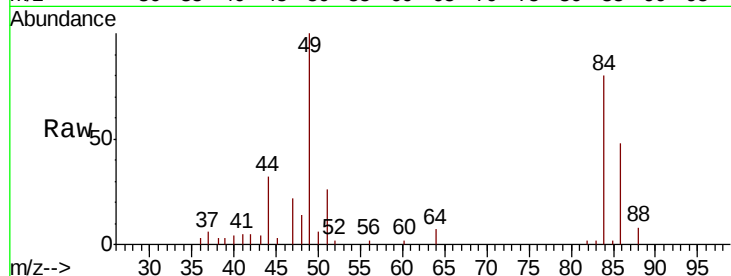




#20
Methvlene Chloride
Concen: 2.946 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005735.D
Acq: 01 Nov 2018 17:51

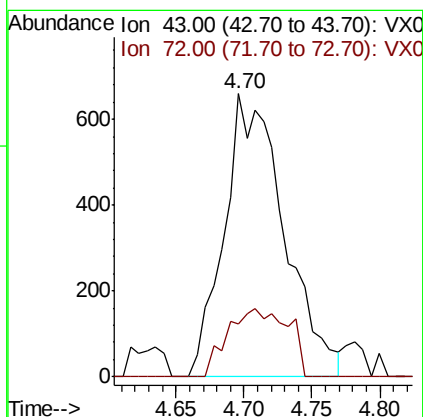
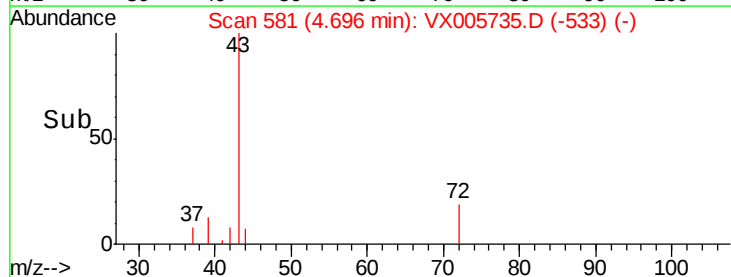
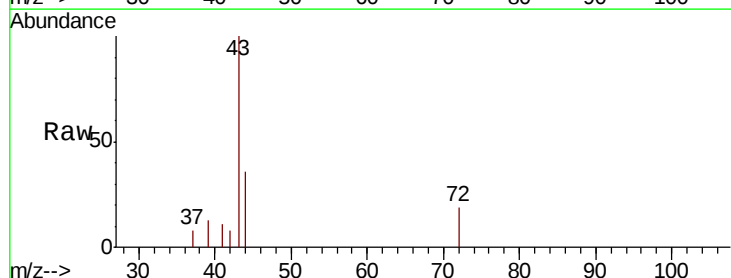
Instrument :
MSVOA_X
ClientSampled :

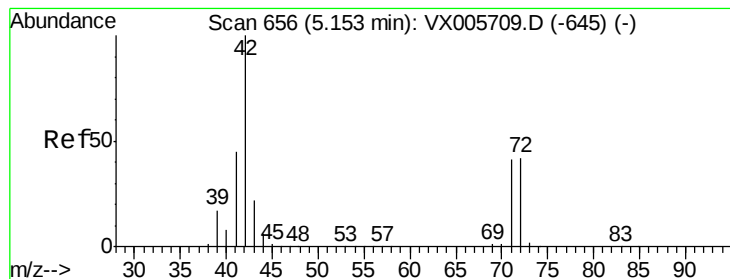
Tot Ion: 84 Resp: 4635
Ion Ratio Lower Upper
84 100
49 125.5 109.5 164.3
51 33.0 33.3 49.9#
86 60.3 52.7 79.1



#25
2-Butanone
Concen: 1.317 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX005735.D
Acq: 01 Nov 2018 17:51

Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
72 18.7 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.862 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005735.D

Acq: 01 Nov 2018 17:51

Instrument :
MSVOA_X
ClientSampleId :

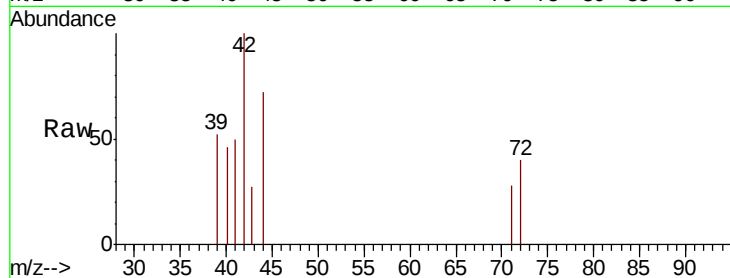
Tot Ion: 42 Resp: 810

Ion Ratio Lower Upper

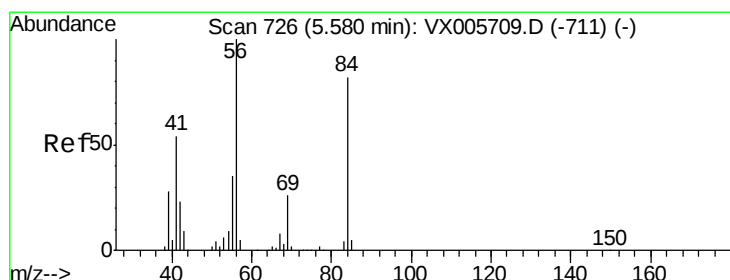
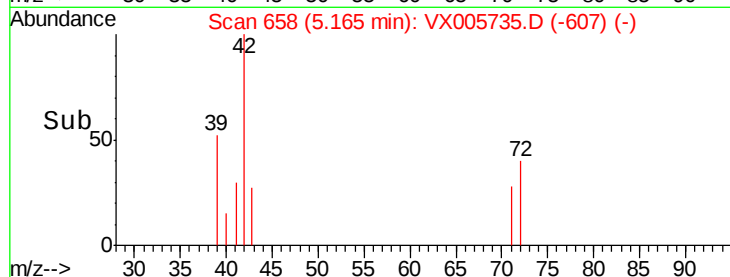
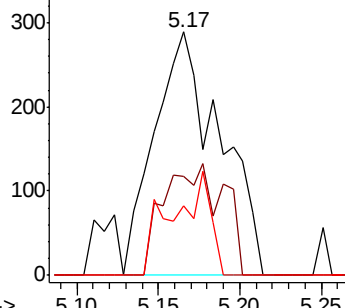
42 100

72 41.7 32.0 48.0

71 15.2 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



#31

Cyclohexane

Concen: 1.237 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX005735.D

Acq: 01 Nov 2018 17:51

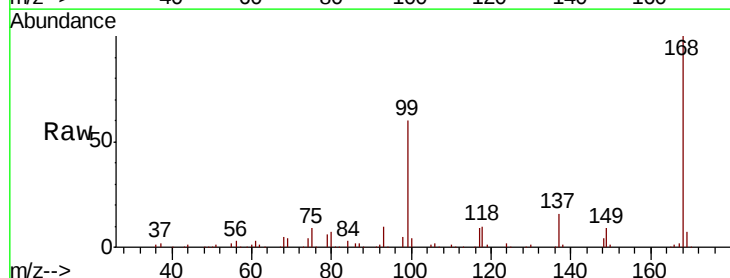
Tgt Ion: 56 Resp: 3015

Ion Ratio Lower Upper

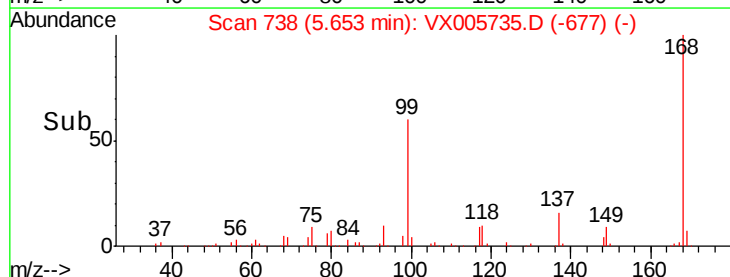
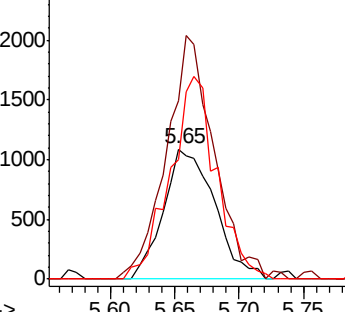
56 100

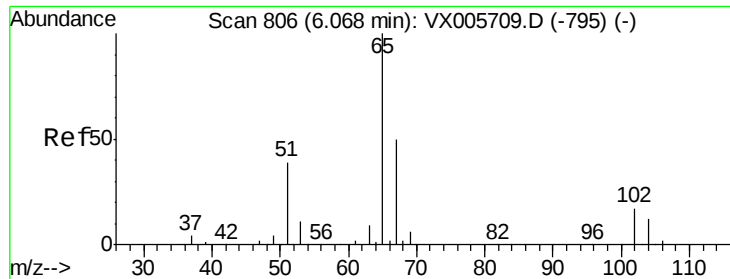
69 131.3 22.6 34.0#

84 91.7 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

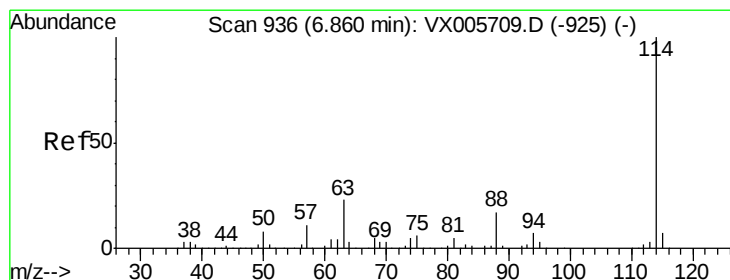
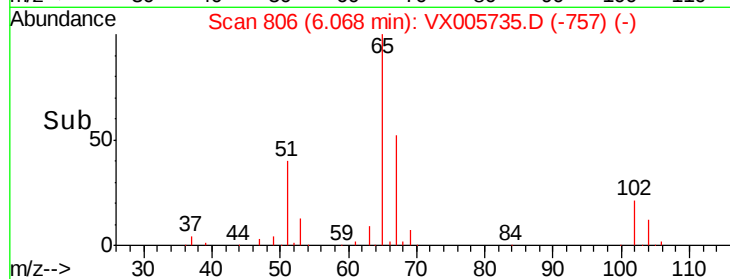
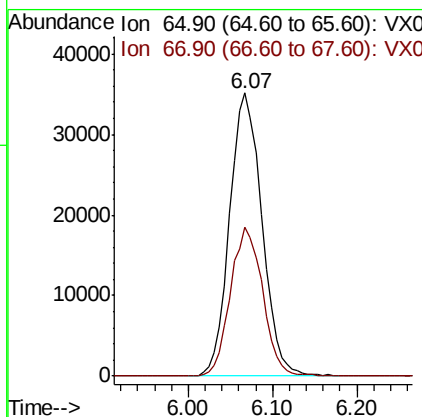
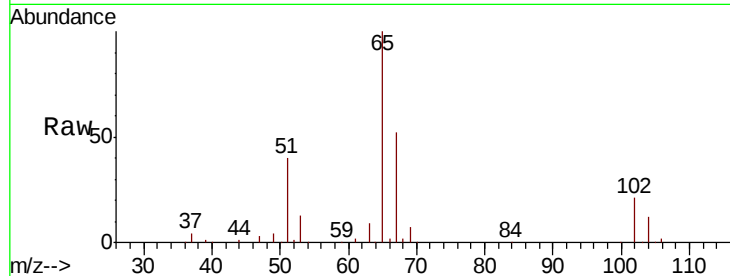




#33
 1,2-Dichloroethane-d4
 Concen: 50.165 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005735.D
 Acq: 01 Nov 2018 17:51

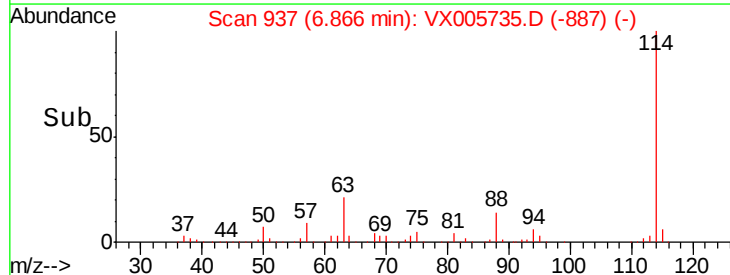
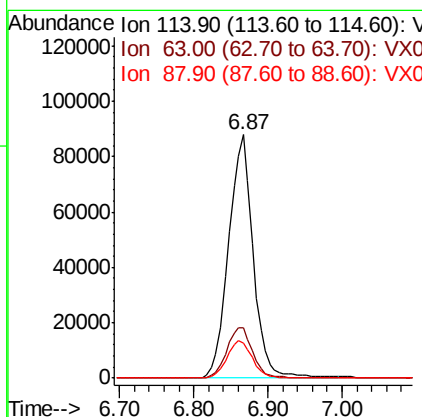
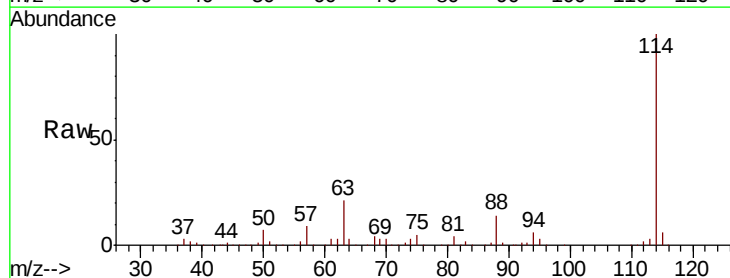
Instrument :
 MSVOA_X
 ClientSampleId :

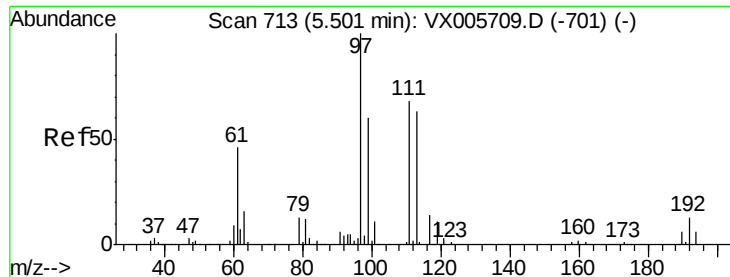
Tot Ion: 65 Resp: 91529
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005735.D
 Acq: 01 Nov 2018 17:51

Tgt Ion: 114 Resp: 203684
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.8
 88 14.2 0.0 31.2

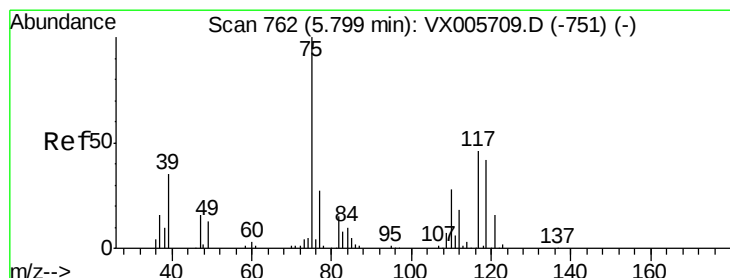
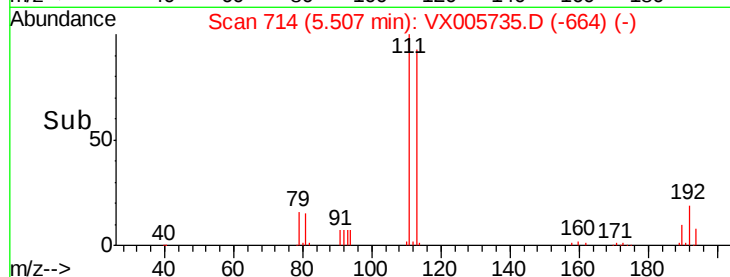
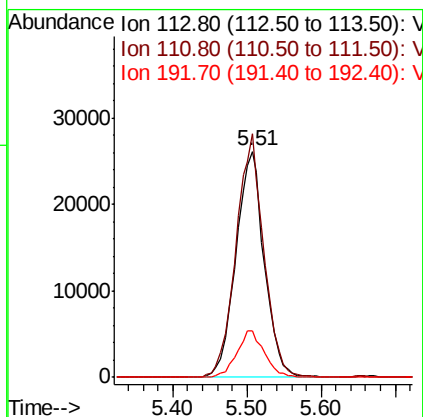
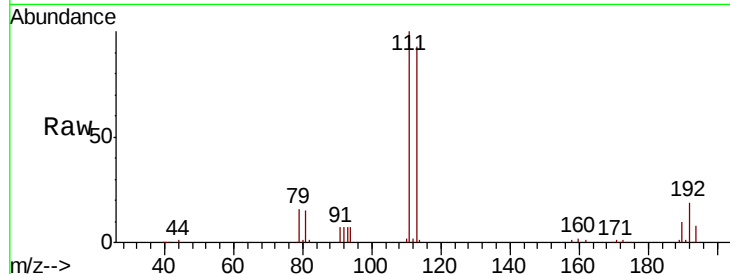




#35
 Dibromofluoromethane
 Concen: 49.401 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005735.D
 Acq: 01 Nov 2018 17:51

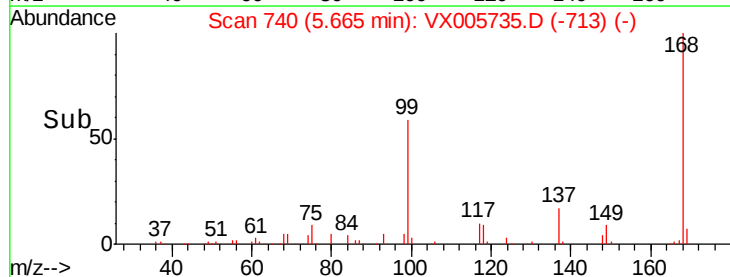
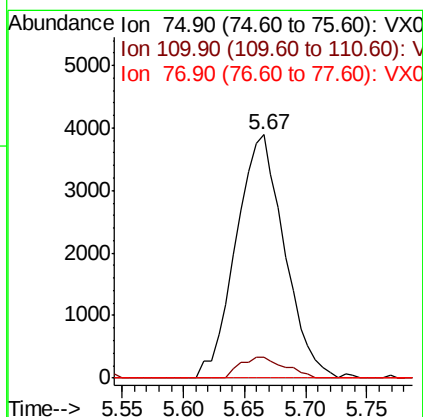
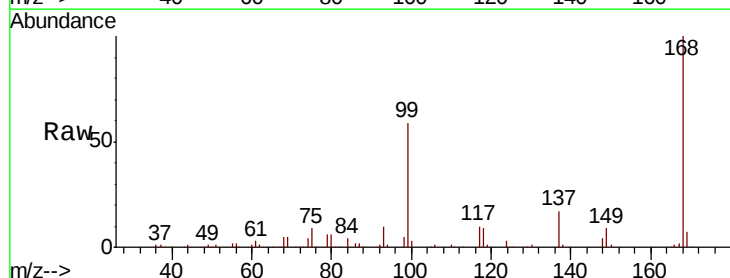
Instrument :
 MSVOA_X
 ClientSampleId :

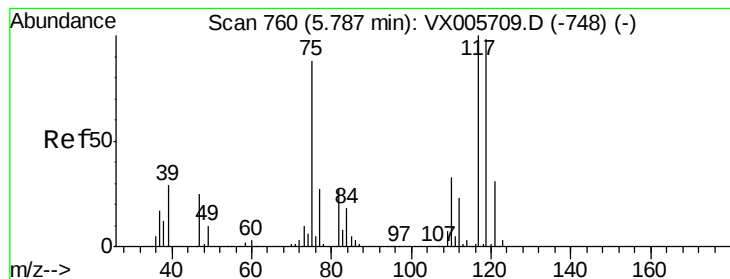
Tot Ion:113 Resp: 69671
 Ion Ratio Lower Upper
 113 100
 111 105.3 82.3 123.5
 192 20.0 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.930 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005735.D
 Acq: 01 Nov 2018 17:51

Tgt Ion: 75 Resp: 10698
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.4 52.2#
 77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.305 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005735.D

Acq: 01 Nov 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

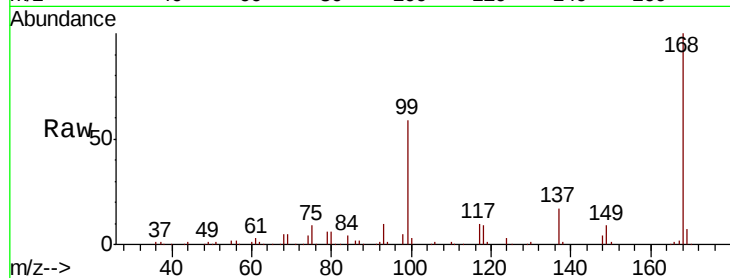
Tot Ion:117 Resp: 12361

Ion Ratio Lower Upper

117 100

119 6.1 78.1 117.1#

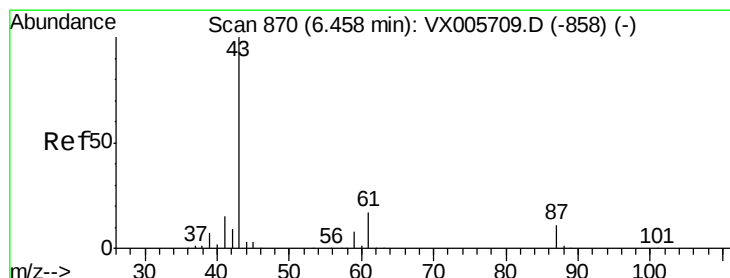
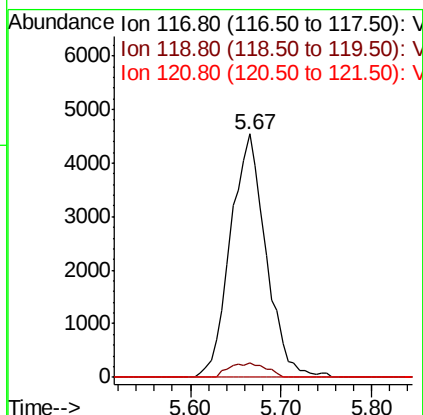
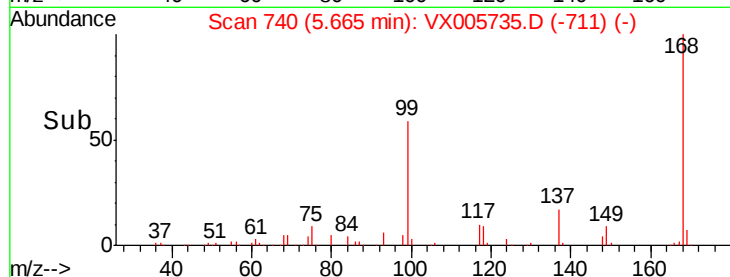
121 0.0 24.6 36.8#



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: 26.802 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005735.D

Acq: 01 Nov 2018 17:51

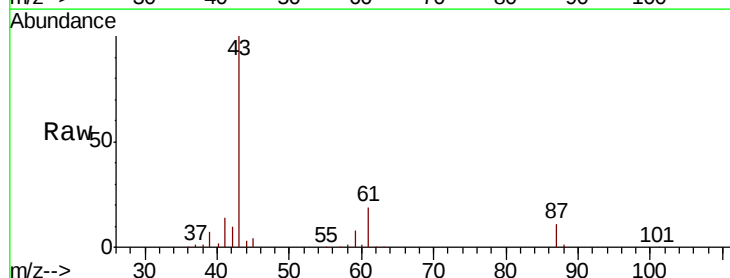
Tgt Ion: 43 Resp: 107699

Ion Ratio Lower Upper

43 100

61 19.1 14.6 22.0

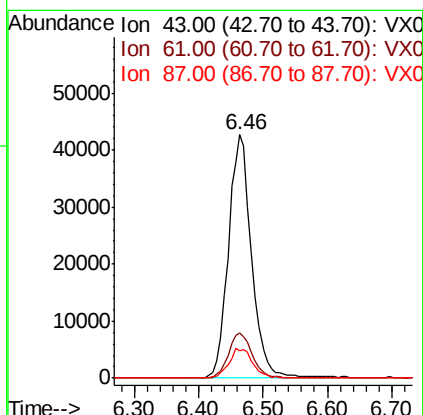
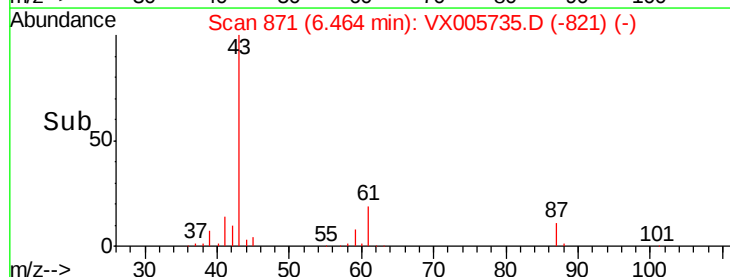
87 12.4 9.6 14.4

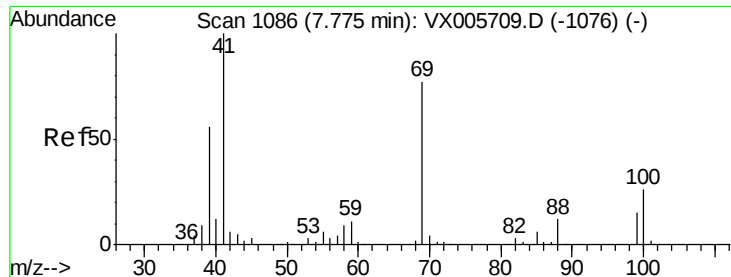


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

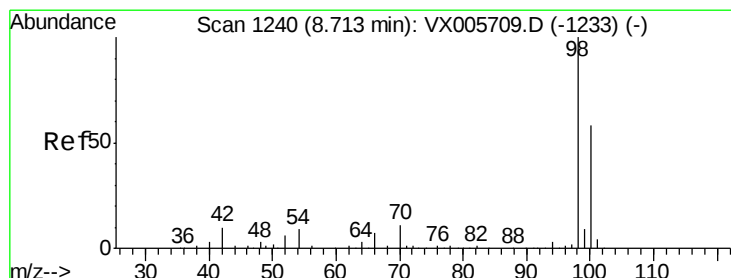
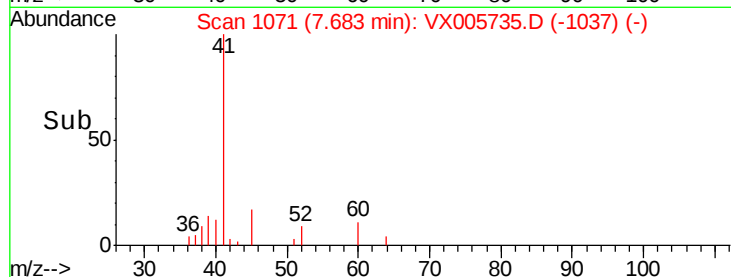
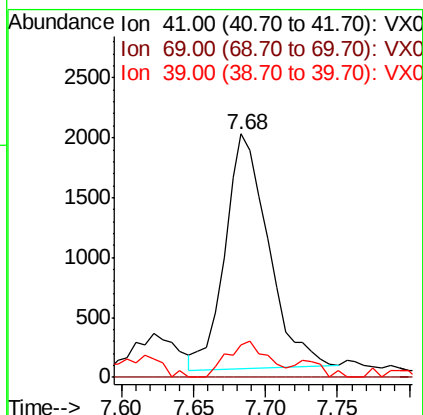
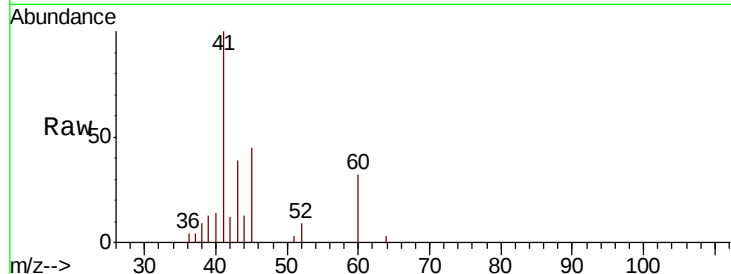




#48
Methvl methacrylate
Concen: 2.106 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX005735.D
Acq: 01 Nov 2018 17:51

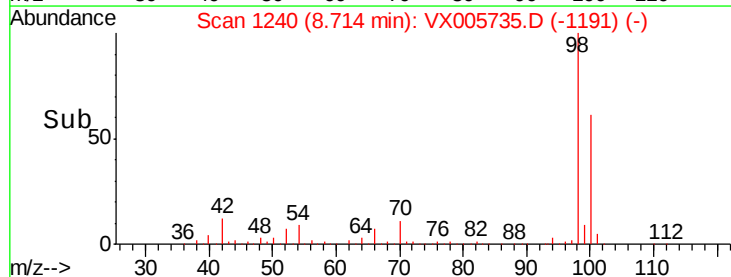
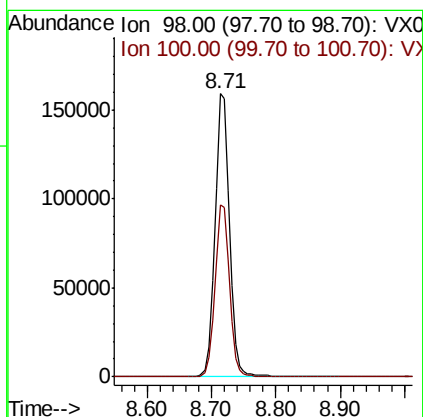
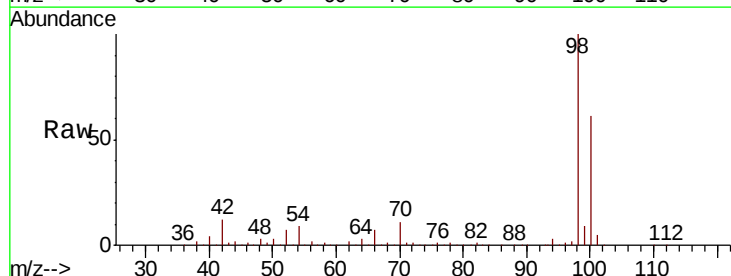
Instrument :
MSVOA_X
ClientSampled :

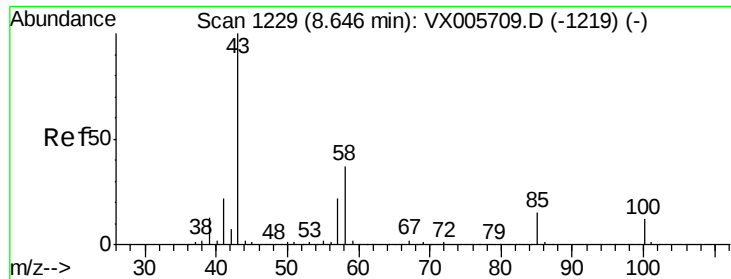
Tot Ion: 41 Resp: 4095
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 14.5 42.2 63.2#



#50
Toluene-d8
Concen: 51.212 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005735.D
Acq: 01 Nov 2018 17:51

Tgt Ion: 98 Resp: 253320
Ion Ratio Lower Upper
98 100
100 61.2 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 0.797 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX005735.D

Acq: 01 Nov 2018 17:51

Instrument :

MSVOA_X

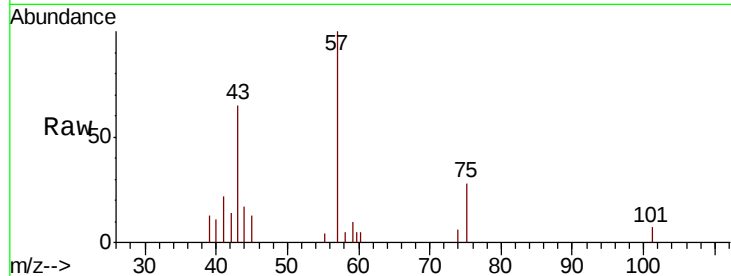
ClientSampled :

Tot Ion: 43 Resp: 2183

Ion Ratio Lower Upper

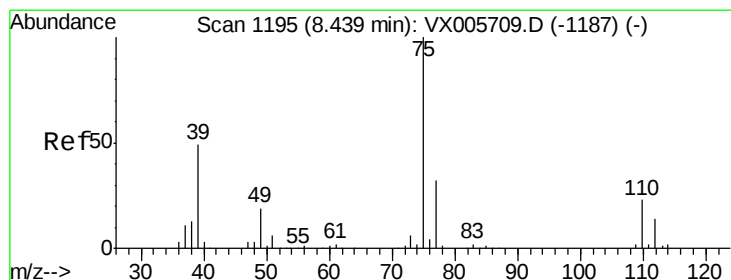
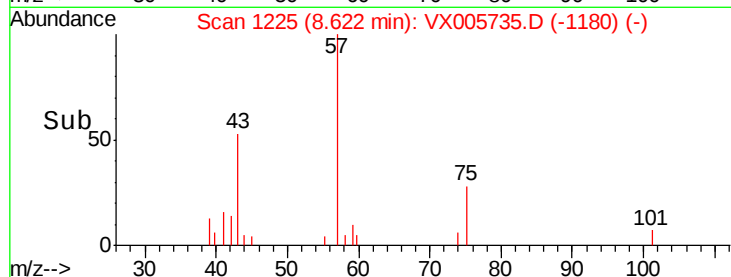
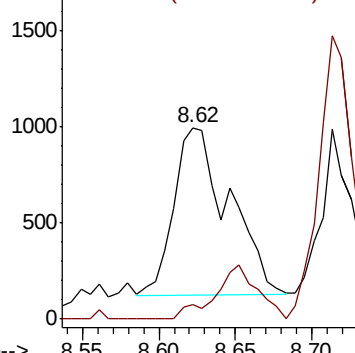
43 100

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



#54

cis-1,3-Dichloropropene

Concen: 0.282 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX005735.D

Acq: 01 Nov 2018 17:51

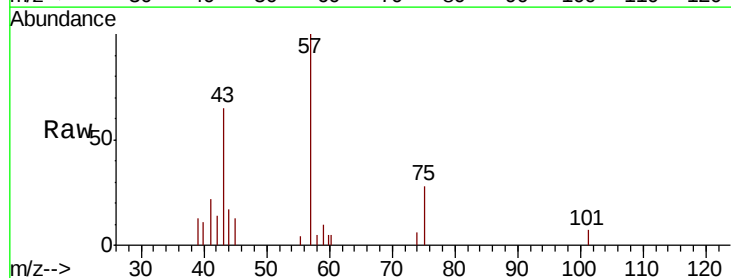
Tgt Ion: 75 Resp: 649

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

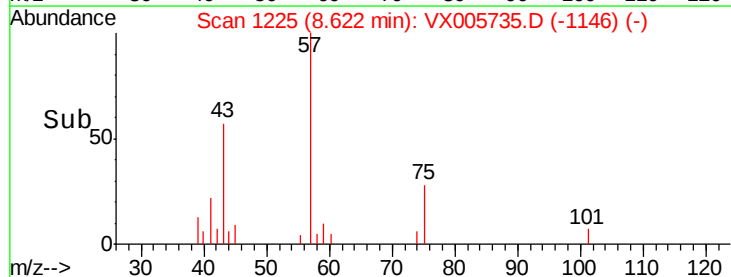
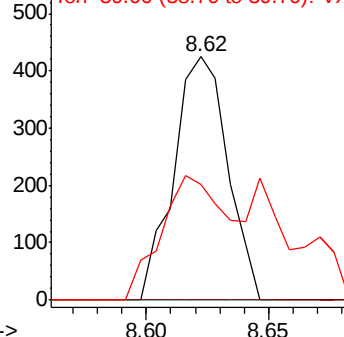
39 47.3 38.2 57.2

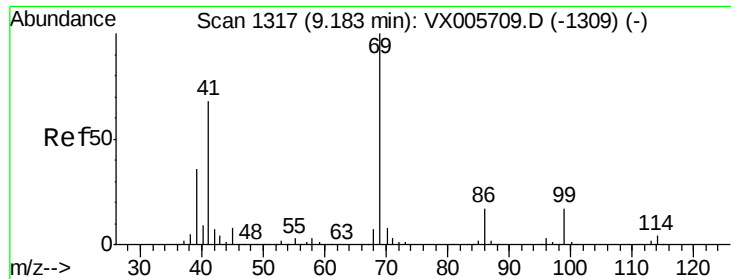


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#56

Ethyl methacrylate

Concen: 2.574 ug/l

RT: 9.41 min Scan# 1354

Delta R.T. 0.23 min

Lab File: VX005735.D

Acq: 01 Nov 2018 17:51

Instrument :
MSVOA_X
ClientSampled :

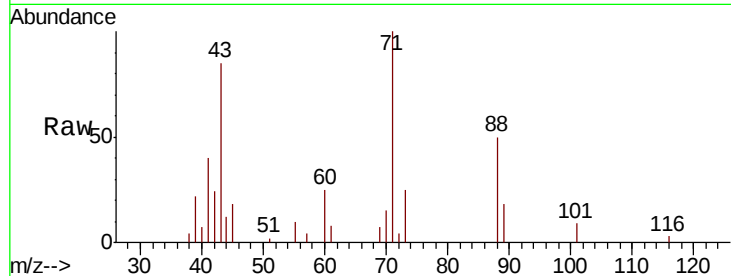
Tot Ion: 69 Resp: 279

Ion Ratio Lower Upper

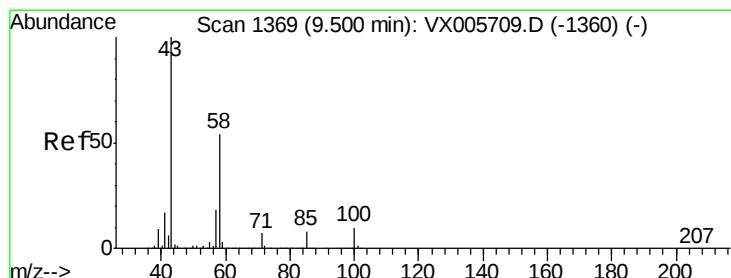
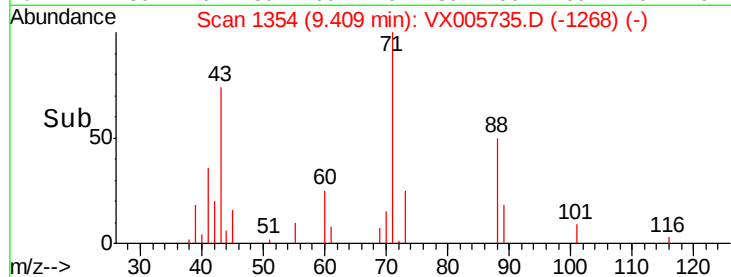
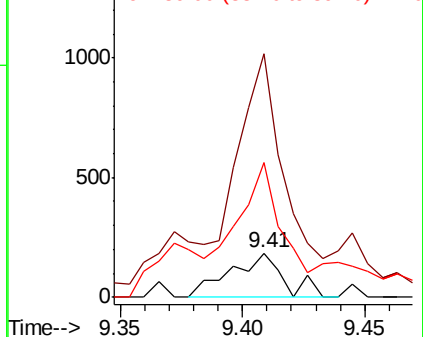
69 100

41 364.2 57.0 85.6#

39 164.5 28.3 42.5#



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



#59

2-Hexanone

Concen: 2.686 ug/l

RT: 9.55 min Scan# 1377

Delta R.T. 0.05 min

Lab File: VX005735.D

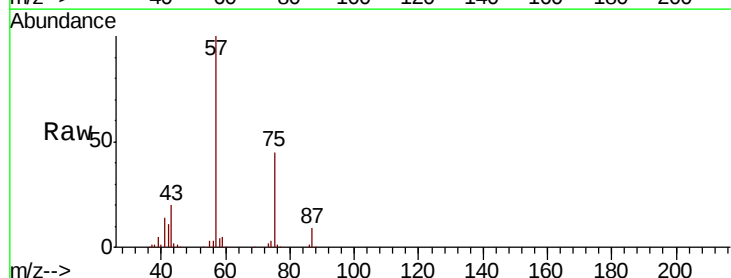
Acq: 01 Nov 2018 17:51

Tgt Ion: 43 Resp: 5989

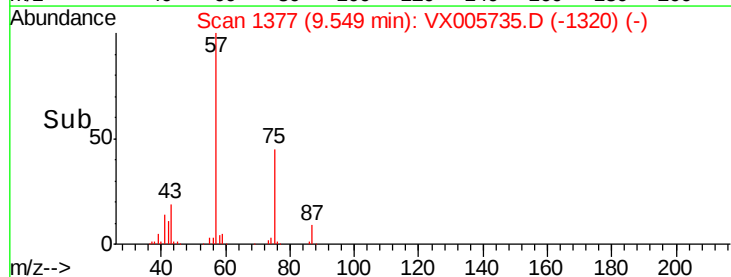
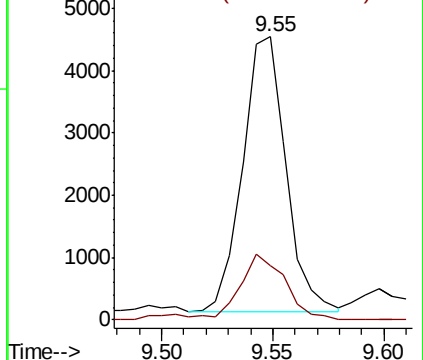
Ion Ratio Lower Upper

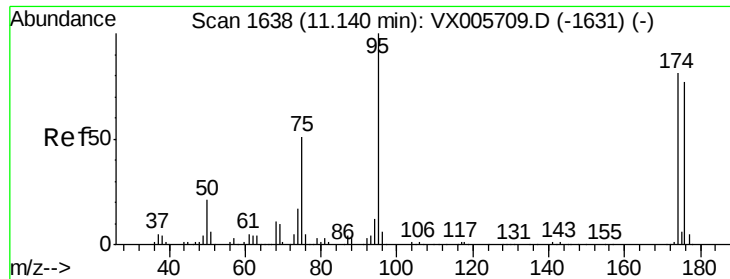
43 100

58 24.9 25.9 77.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.339 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005735.D

Acq: 01 Nov 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

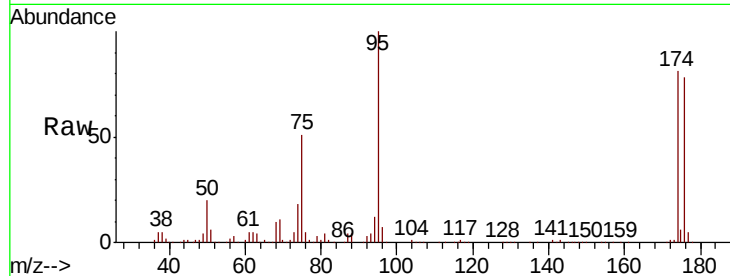
Tot Ion: 95 Resp: 82771

Ion Ratio Lower Upper

95 100

174 79.2 0.0 184.4

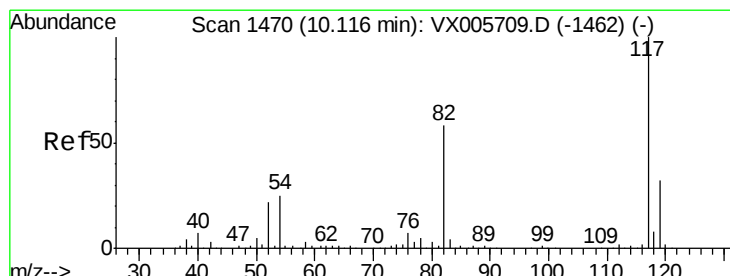
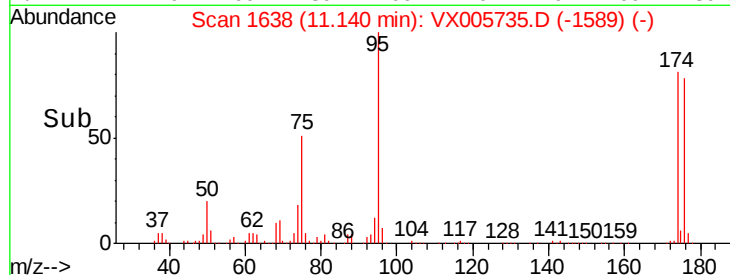
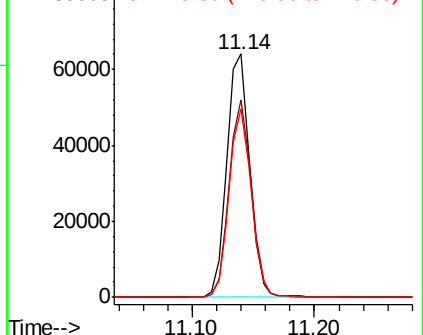
176 75.3 0.0 177.4



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: VX005735.D

Acq: 01 Nov 2018 17:51

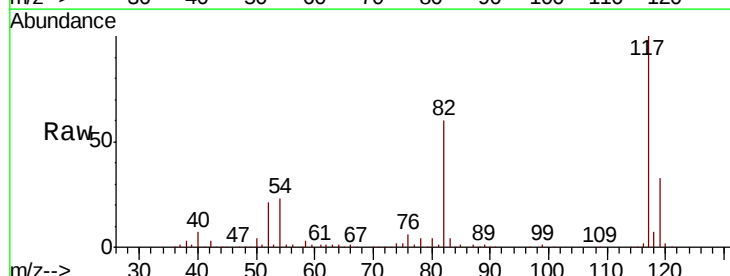
Tgt Ion: 117 Resp: 180168

Ion Ratio Lower Upper

117 100

82 60.0 44.1 66.1

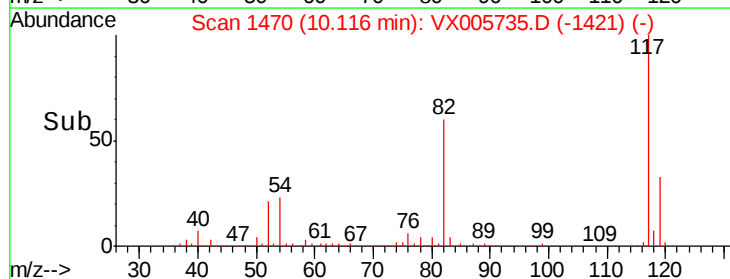
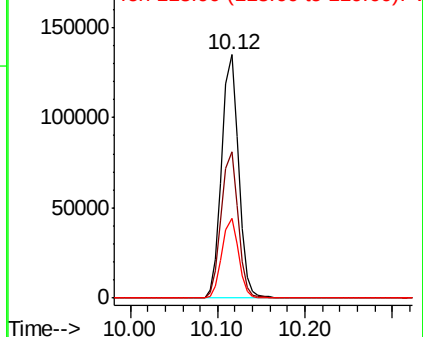
119 32.8 26.2 39.2

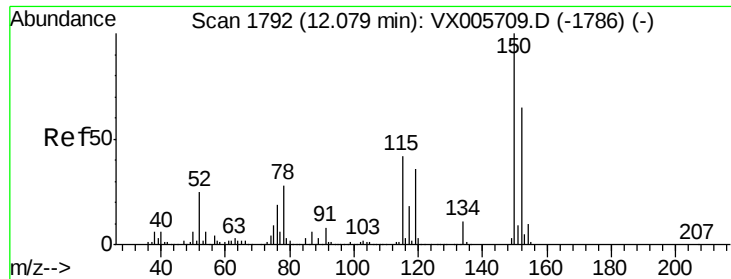


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX005735.D

Acq: 01 Nov 2018 17:51

Instrument :

MSVOA_X

ClientSampled :

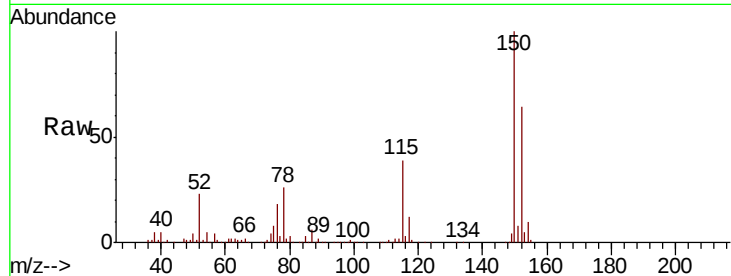
Tot Ion:152 Resp: 79121

Ion Ratio Lower Upper

152 100

115 59.6 39.4 118.1

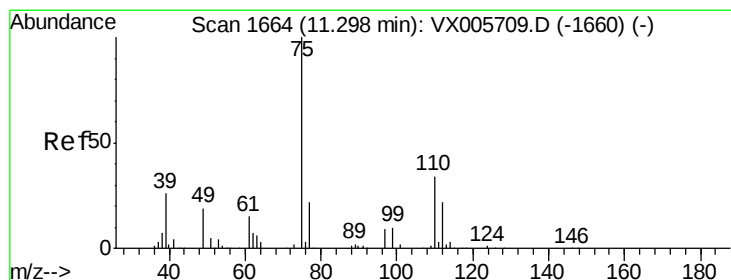
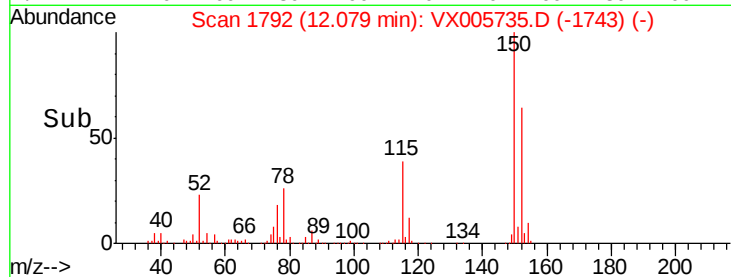
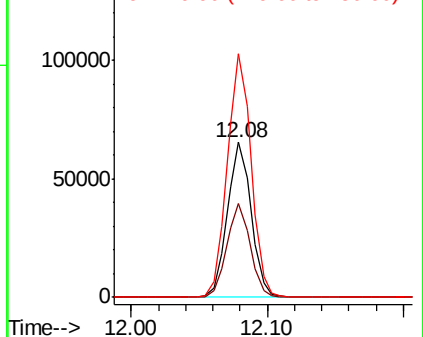
150 157.7 0.0 346.4



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: 22.074 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005735.D

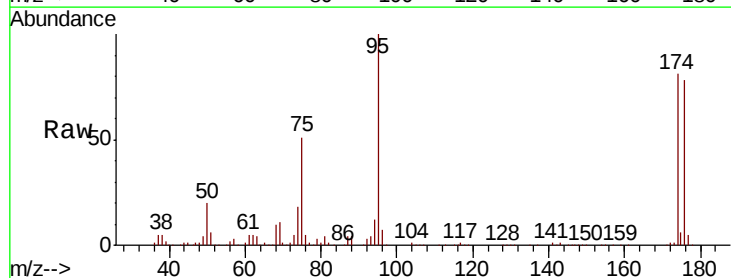
Acq: 01 Nov 2018 17:51

Tgt Ion: 75 Resp: 43499

Ion Ratio Lower Upper

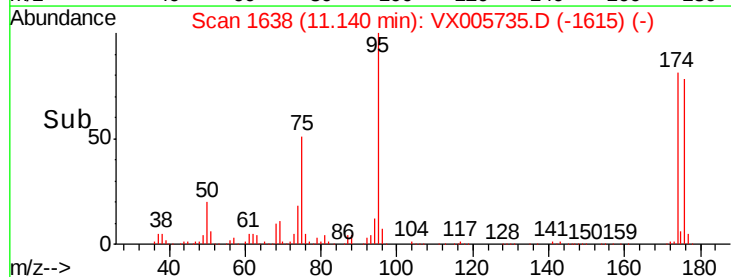
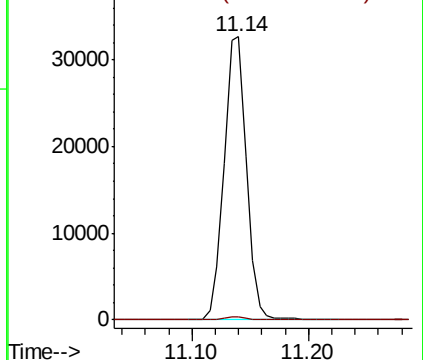
75 100

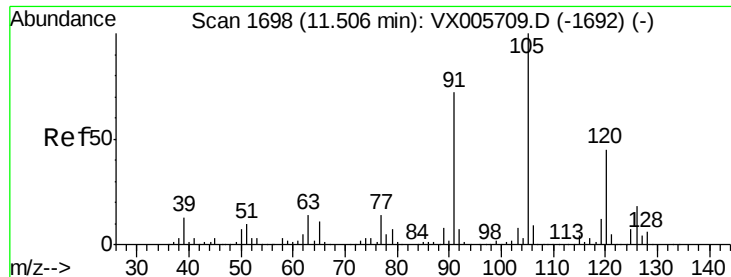
77 1.1 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

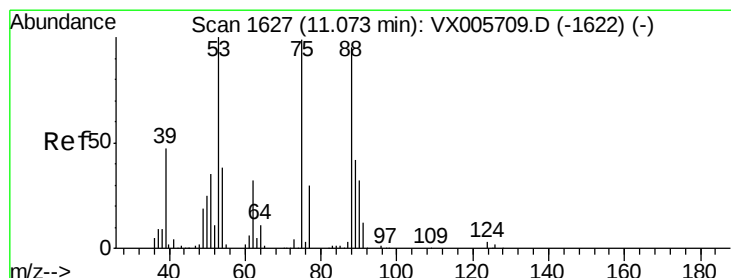
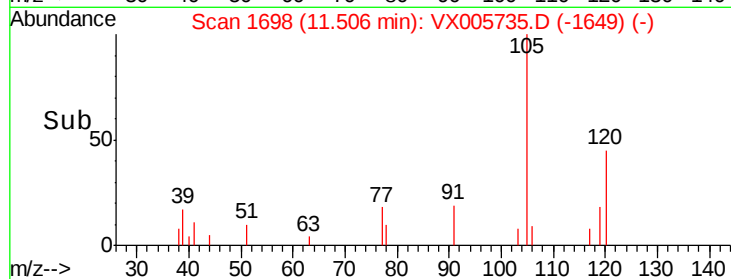
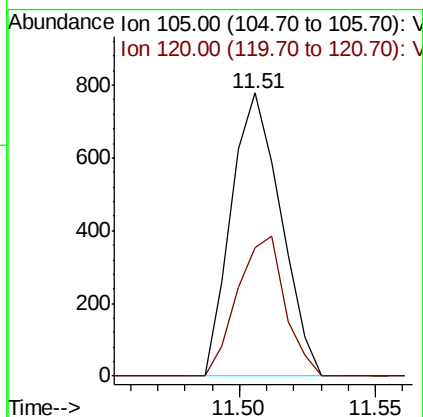
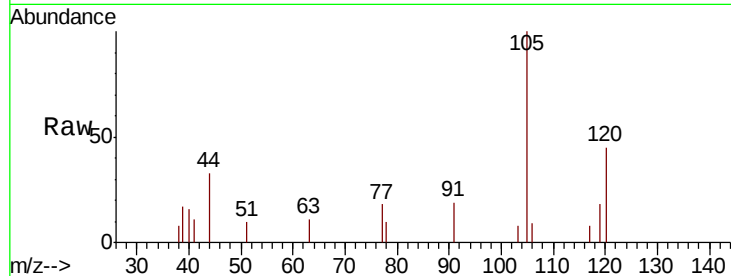




#80
 1,3,5-Trimethylbenzene
 Concen: 0.222 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005735.D
 Acq: 01 Nov 2018 17:51

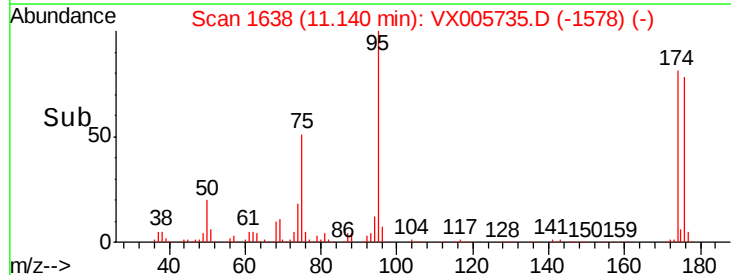
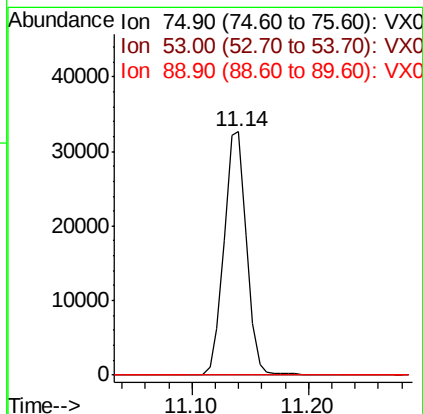
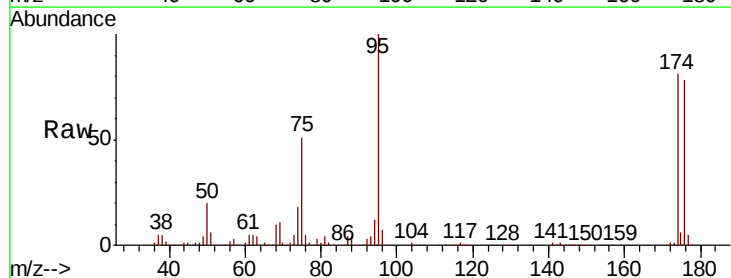
Instrument :
 MSVOA_X
 ClientSampled :

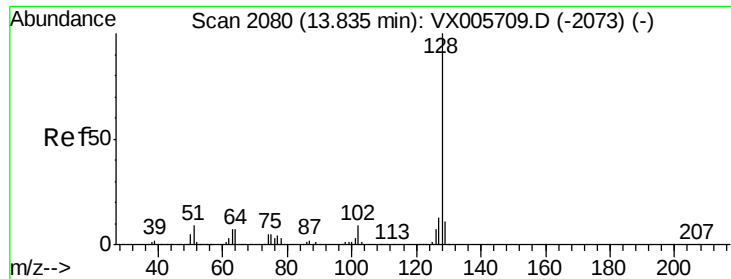
Tot Ion:105 Resp: 984
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.319 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005735.D
 Acq: 01 Nov 2018 17:51

Tgt Ion: 75 Resp: 43499
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.2#
 89 0.0 39.8 59.8#





#95
Naphthalene
Concen: 1.327 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005735.D
Acq: 01 Nov 2018 17:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	11.2	8.7	13.1

