

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072618\
 Data File : VX003705.D
 Acq On : 27 Jul 2018 08:13
 Operator : JC/SP
 Sample : J4073-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-071618

Quant Time: Jul 27 08:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	87357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	134216	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	134861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	79444	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	71912	55.57	ug/l	0.00
Spiked Amount			Recovery	=	111.14%	
35) Dibromofluoromethane	5.51	113	59309	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
50) Toluene-d8	8.72	98	235768	56.31	ug/l	0.00
Spiked Amount			Recovery	=	112.62%	
62) 4-Bromofluorobenzene	11.14	95	70940	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	

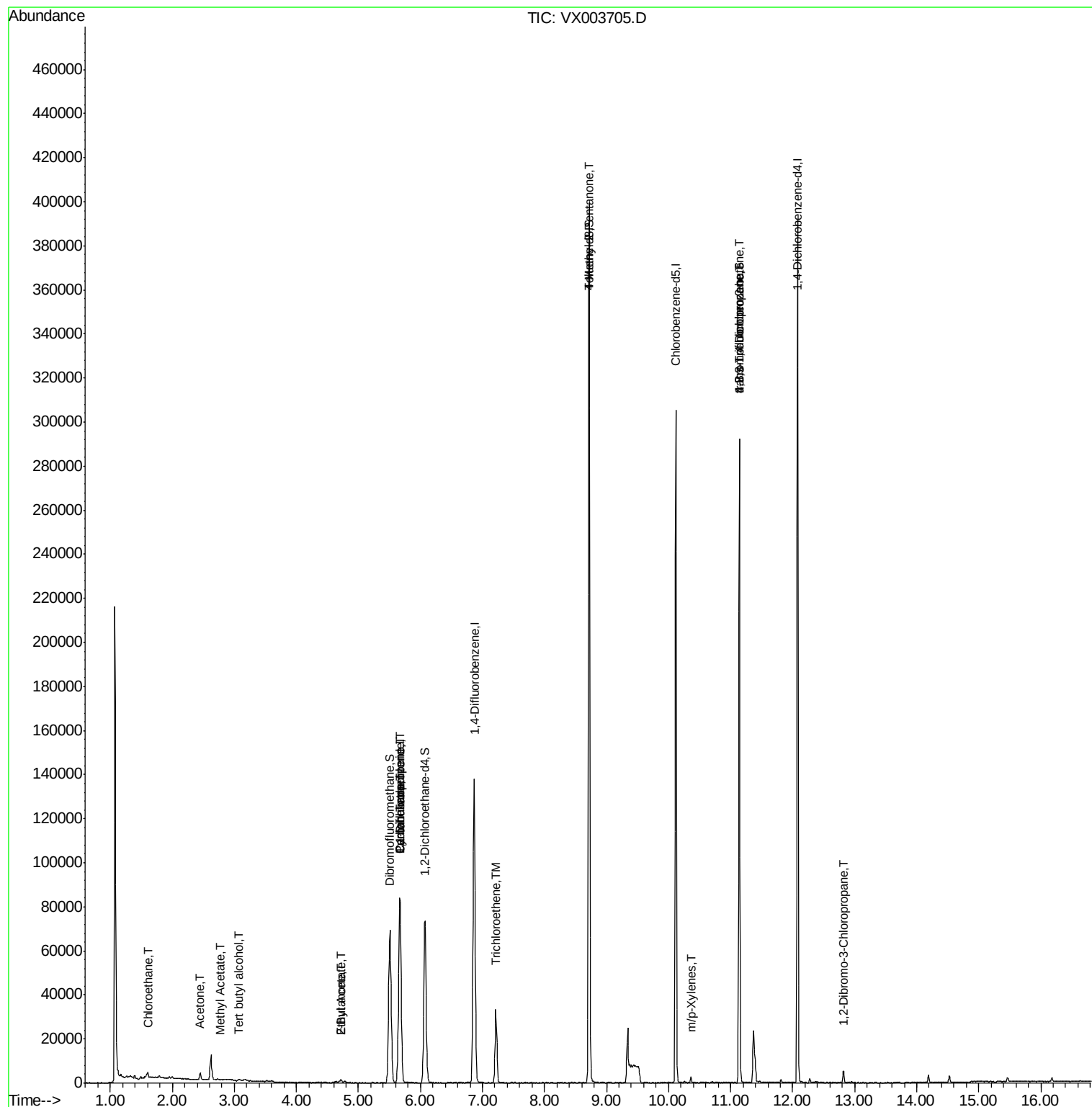
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	3162	4.85	ug/l #	42
11) Tert butyl alcohol	3.07	59	568	1.84	ug/l #	72
16) Acetone	2.45	43	3367	5.54	ug/l	96
18) Methyl Acetate	2.78	43	381	0.21	ug/l #	53
25) 2-Butanone	4.71	43	2344	2.50	ug/l #	88
31) Cyclohexane	5.67	56	1661	0.95	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	6337	4.04	ug/l #	49
37) Ethyl Acetate	4.71	43	2344	1.24	ug/l #	67
38) Carbon Tetrachloride	5.67	117	8279	5.48	ug/l #	14
44) Trichloroethene	7.21	130	13197	10.60	ug/l	94
51) 4-Methyl-2-Pentanone	8.72	43	1047	0.56	ug/l #	1
68) m/p-Xylenes	10.36	106	712	0.33	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	36547	21.93	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	36547	67.95	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	159	0.38	ug/l #	1

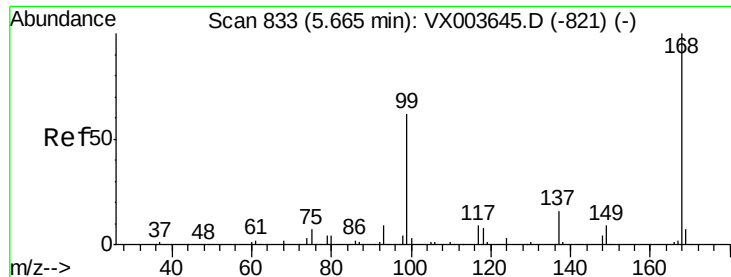
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 27 02:16:51 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003705.D

Acq: 27 Jul 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

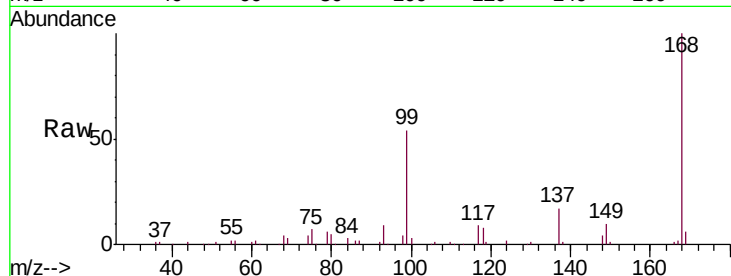
RE117D1-071618

Tot Ion:168 Resp: 87357

Ion Ratio Lower Upper

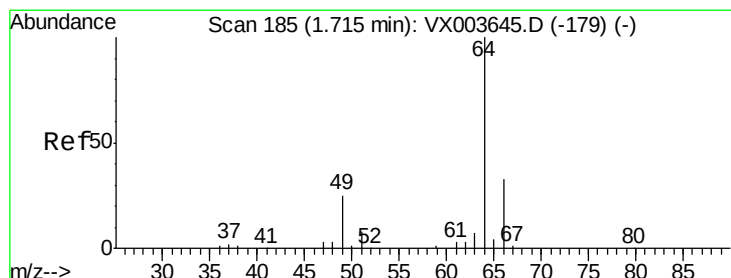
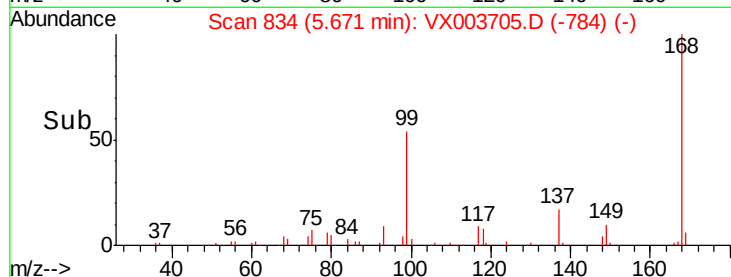
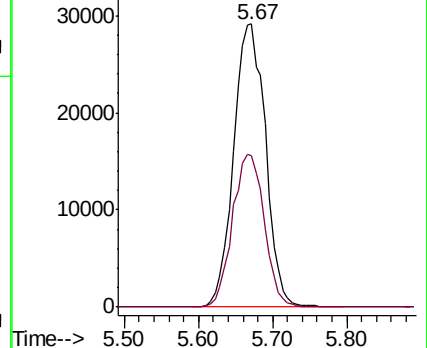
168 100

99 53.8 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 4.85 ug/l

RT: 1.60 min Scan# 166

Delta R.T. -0.11 min

Lab File: VX003705.D

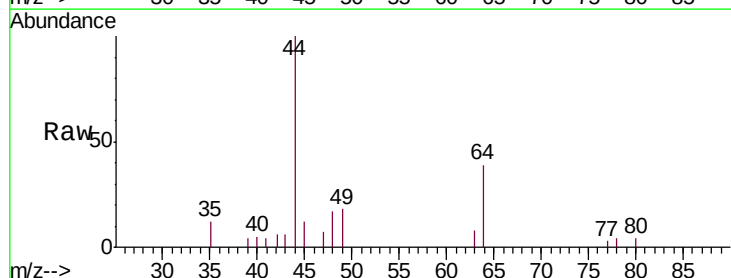
Acq: 27 Jul 2018 08:13

Tgt Ion: 64 Resp: 3162

Ion Ratio Lower Upper

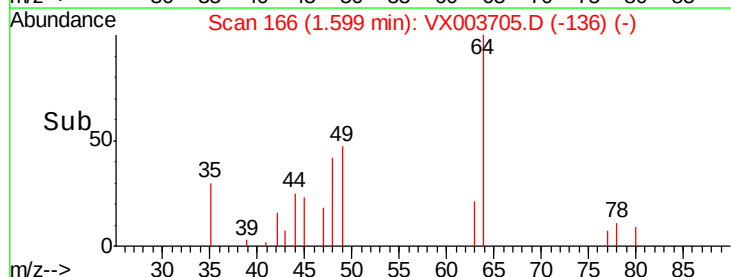
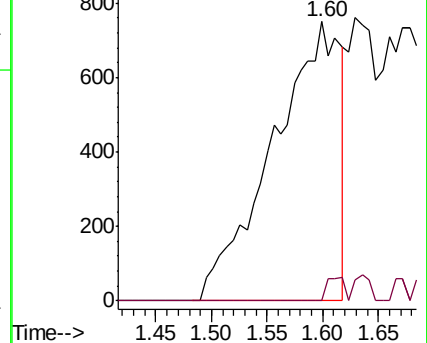
64 100

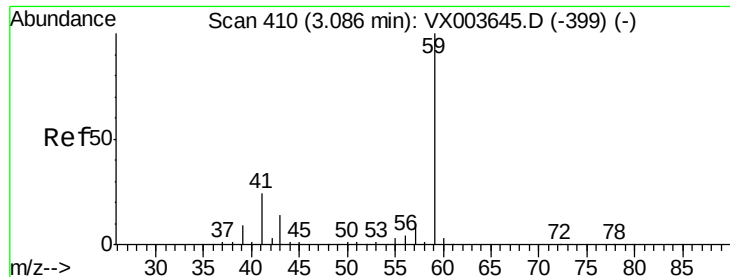
66 0.0 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



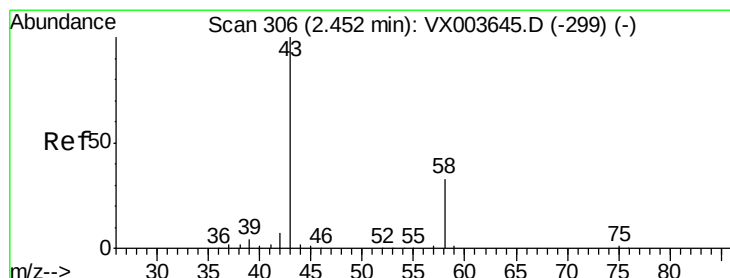
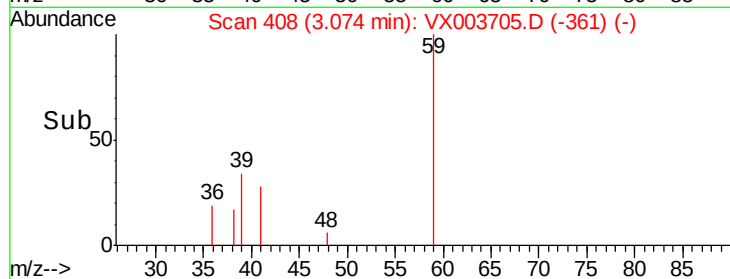
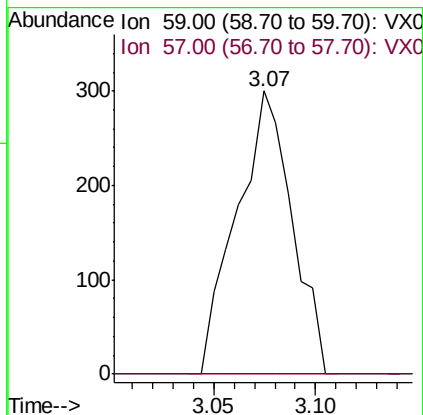
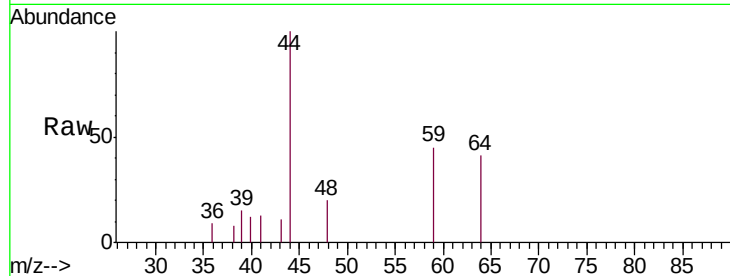


#11

Tert butyl alcohol
 Concen: 1.84 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003705.D
 Acq: 27 Jul 2018 08:13

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-071618

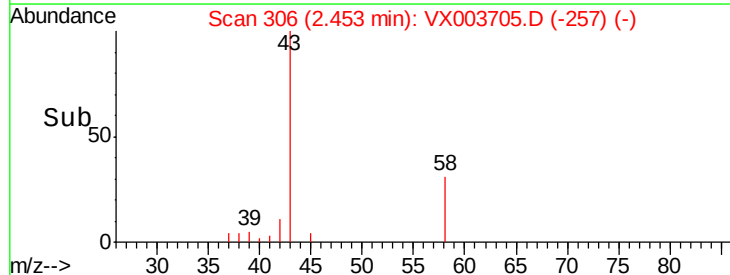
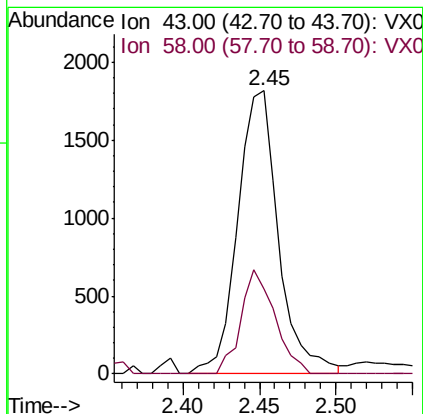
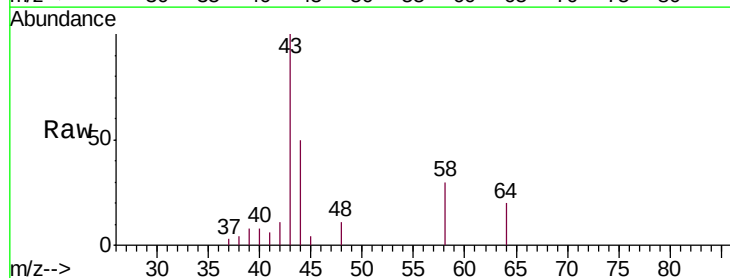
Tot Ion: 59 Resp: 568
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

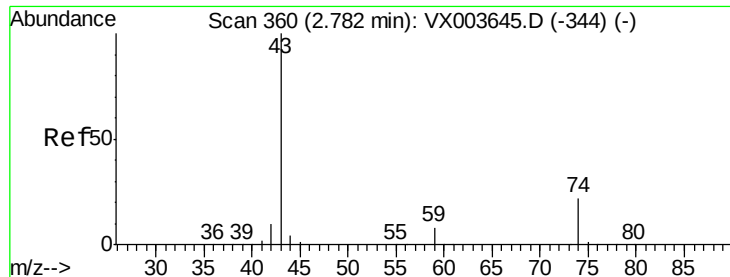


#16

Acetone
 Concen: 5.54 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX003705.D
 Acq: 27 Jul 2018 08:13

Tgt Ion: 43 Resp: 3367
 Ion Ratio Lower Upper
 43 100
 58 30.1 26.1 39.1

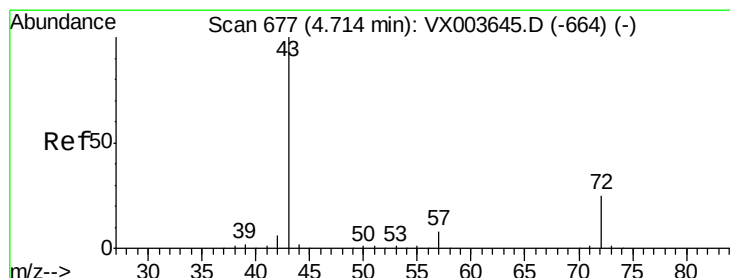
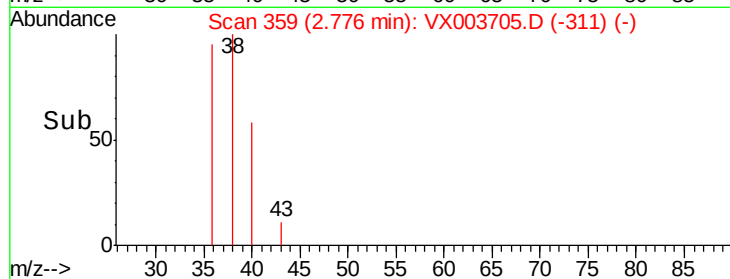
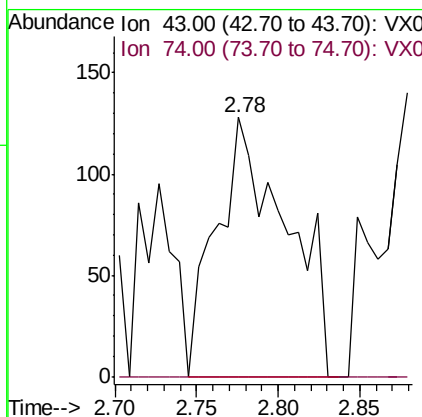
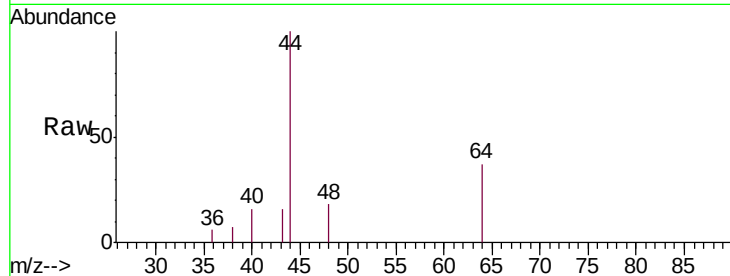




#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003705.D
Acq: 27 Jul 2018 08:13

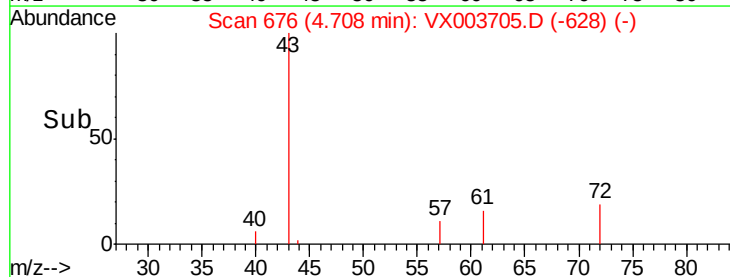
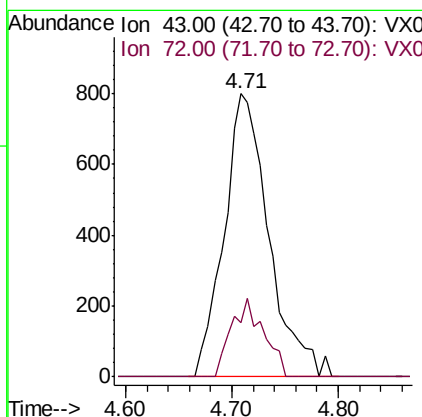
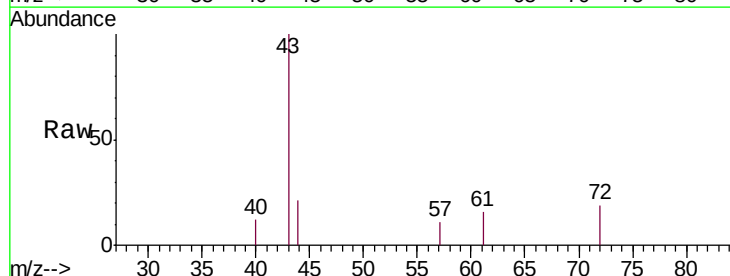
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-071618

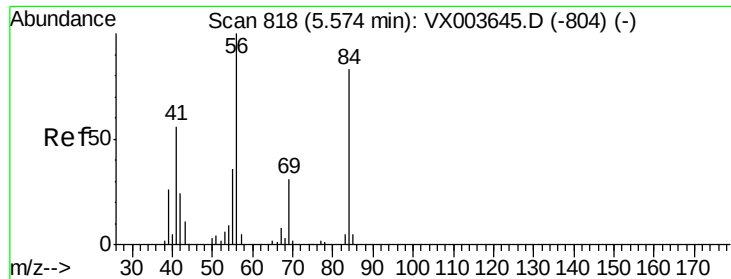
Tot Ion: 43 Resp: 381
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#25
2-Butanone
Concen: 2.50 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX003705.D
Acq: 27 Jul 2018 08:13

Tgt Ion: 43 Resp: 2344
Ion Ratio Lower Upper
43 100
72 19.1 20.2 30.4#

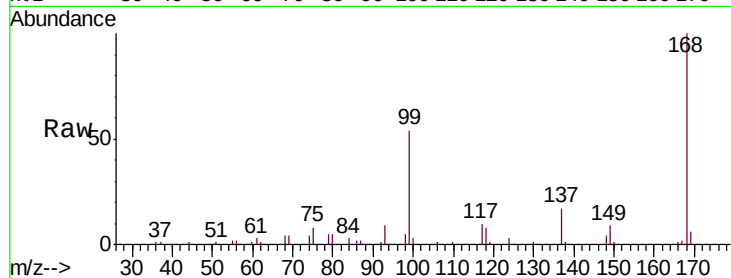




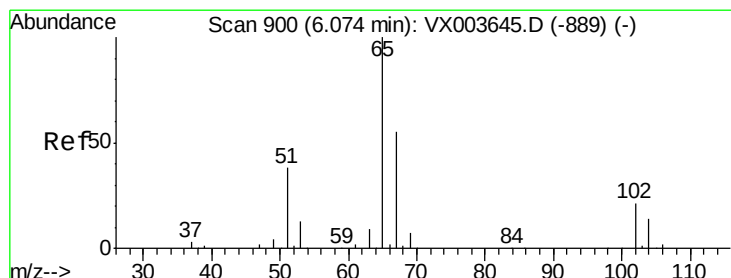
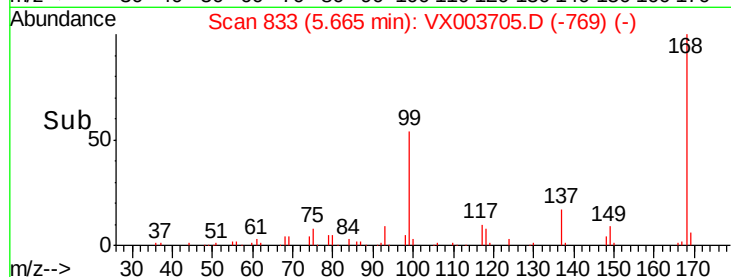
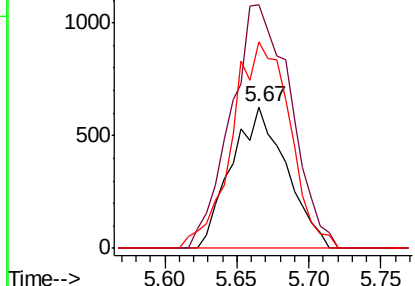
#31
Cyclohexane
Concen: 0.95 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003705.D
Acq: 27 Jul 2018 08:13

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-071618

Tot Ion: 56 Resp: 1661
Ion Ratio Lower Upper
56 100
69 172.0 25.0 37.6#
84 146.2 66.5 99.7#

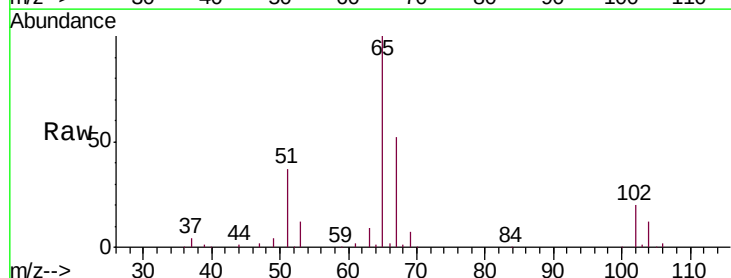


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

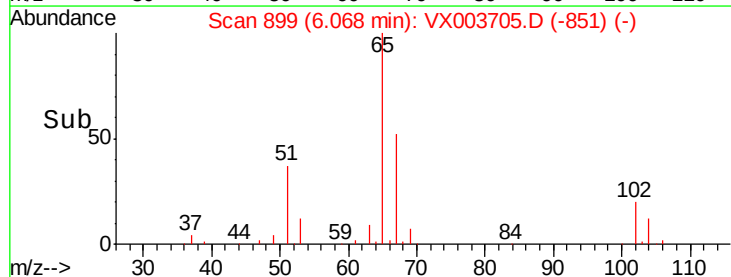
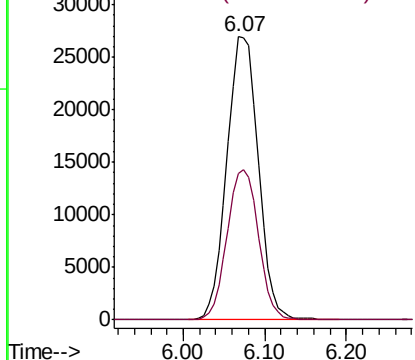


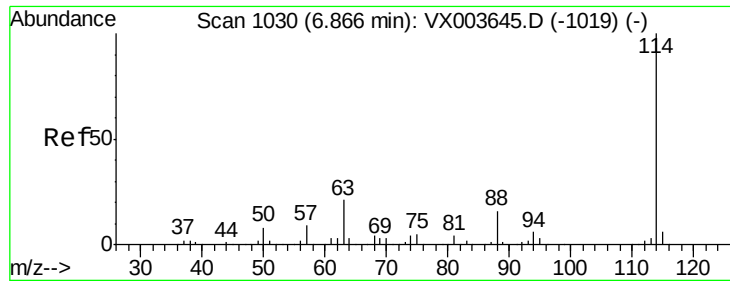
#33
1,2-Dichloroethane-d4
Concen: 55.57 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX003705.D
Acq: 27 Jul 2018 08:13

Tgt Ion: 65 Resp: 71912
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

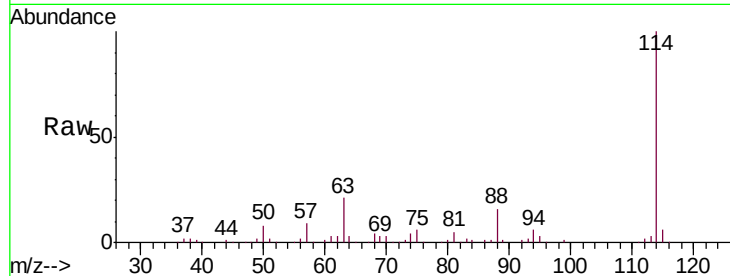




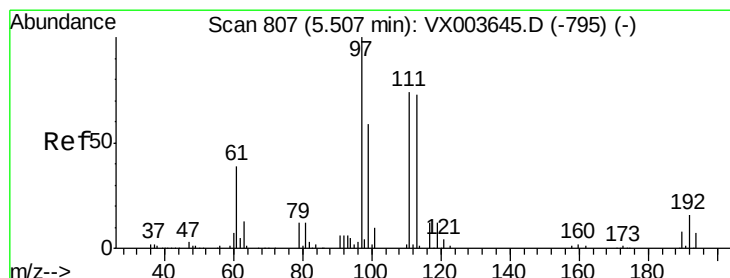
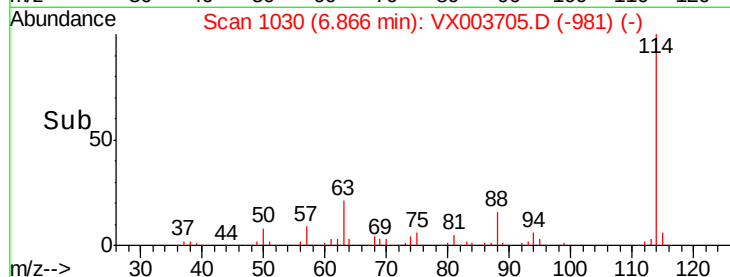
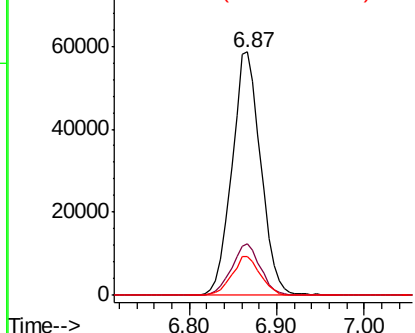
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003705.D
 Acq: 27 Jul 2018 08:13

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-071618

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.0
88	15.8	0.0	31.8

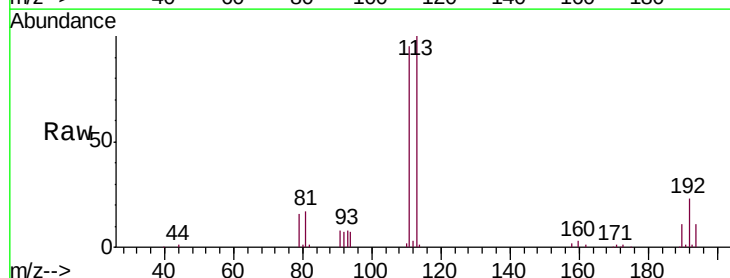


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

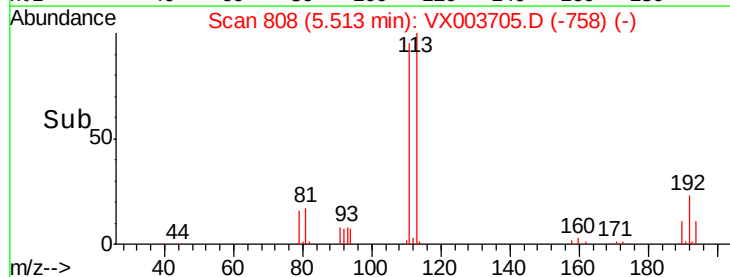
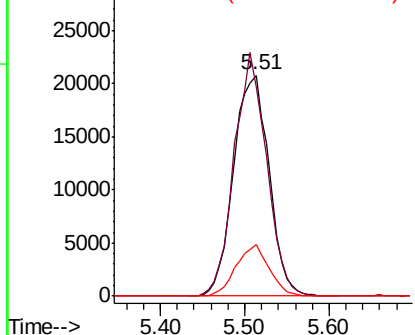


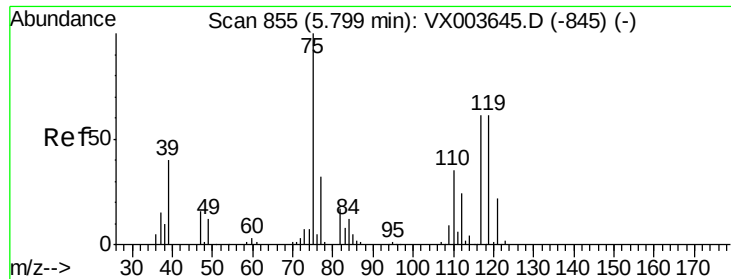
#35
 Dibromofluoromethane
 Concen: 54.06 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003705.D
 Acq: 27 Jul 2018 08:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.2	121.8
192	21.4	18.2	27.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

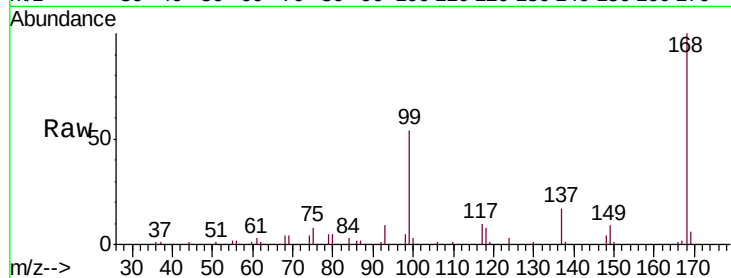




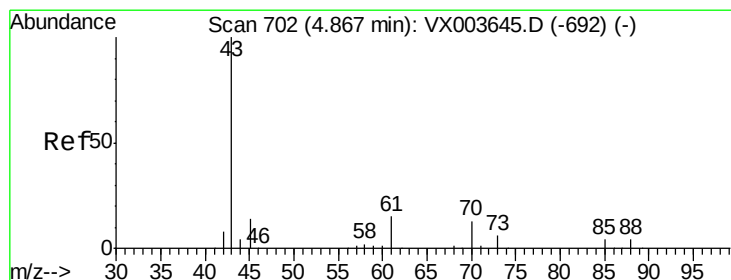
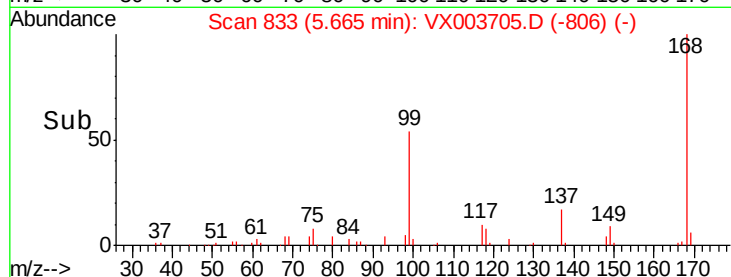
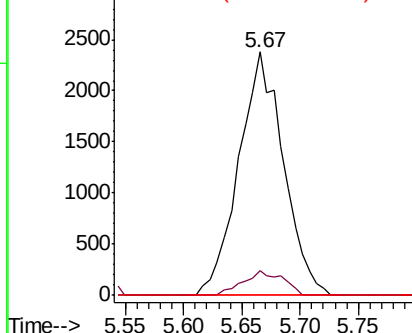
#36
 1,1-Dichloropropene
 Concen: 4.04 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003705.D
 Acq: 27 Jul 2018 08:13

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-071618

Tot Ion: 75 Resp: 6337
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.1#
 77 0.0 25.1 37.7#

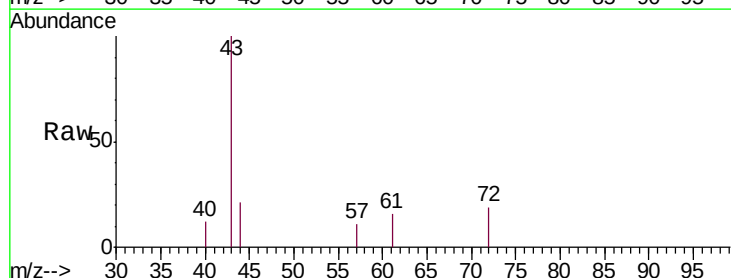


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

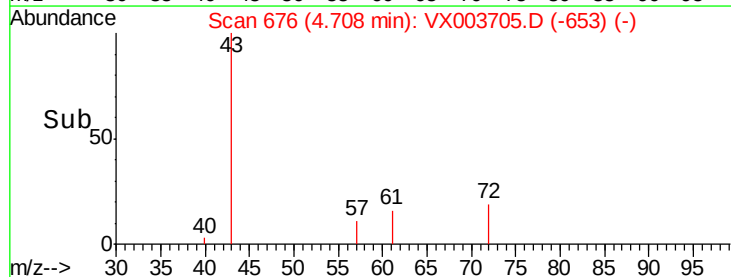
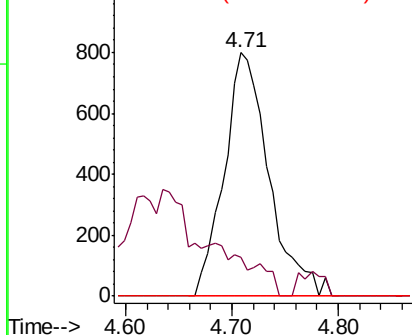


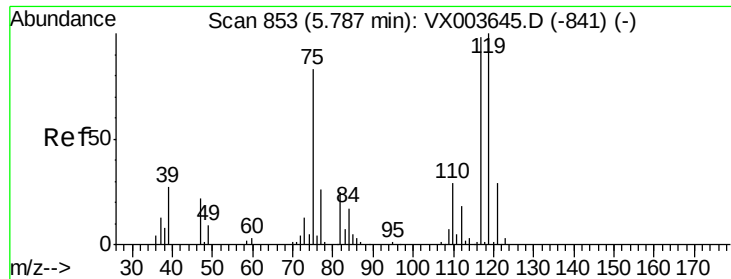
#37
 Ethyl Acetate
 Concen: 1.24 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.16 min
 Lab File: VX003705.D
 Acq: 27 Jul 2018 08:13

Tgt Ion: 43 Resp: 2344
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.9 17.9#
 70 0.0 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.48 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003705.D

Acq: 27 Jul 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-071618

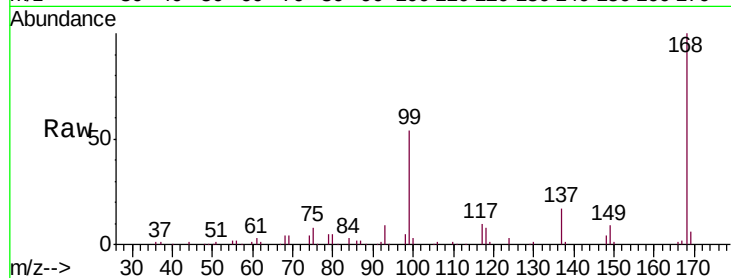
Tot Ion:117 Resp: 8279

Ion Ratio Lower Upper

117 100

119 5.7 81.0 121.4#

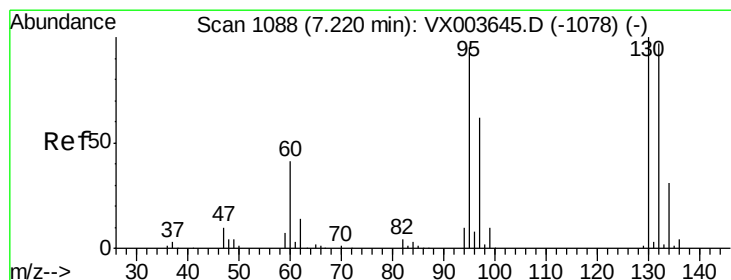
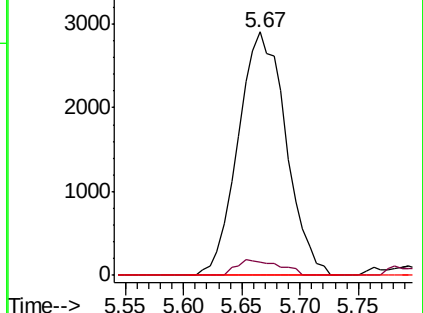
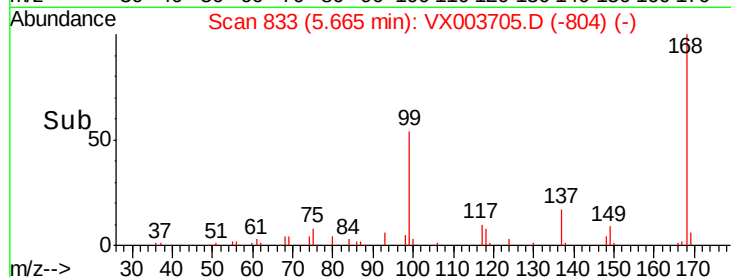
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 10.60 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX003705.D

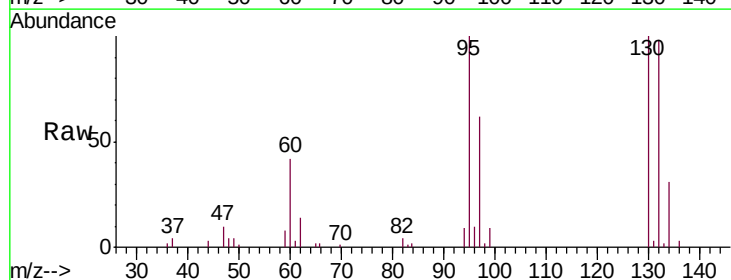
Acq: 27 Jul 2018 08:13

Tgt Ion:130 Resp: 13197

Ion Ratio Lower Upper

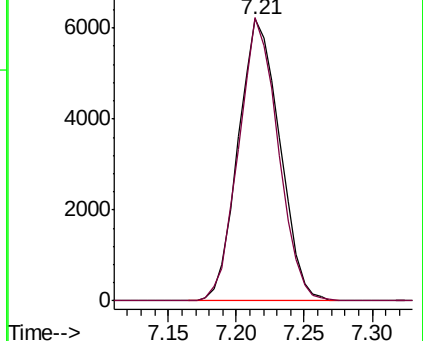
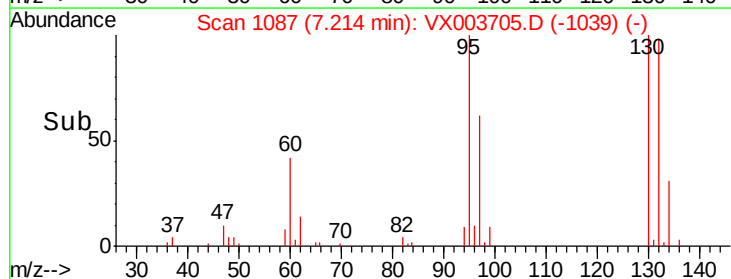
130 100

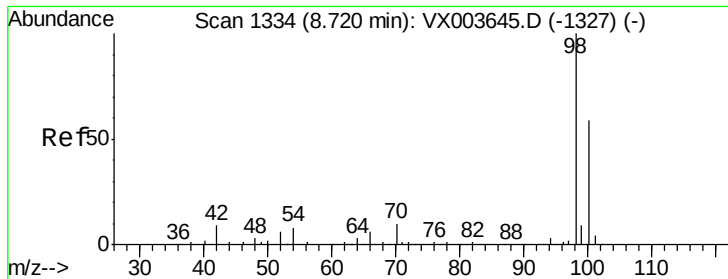
95 100.4 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 56.31 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003705.D

Acq: 27 Jul 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

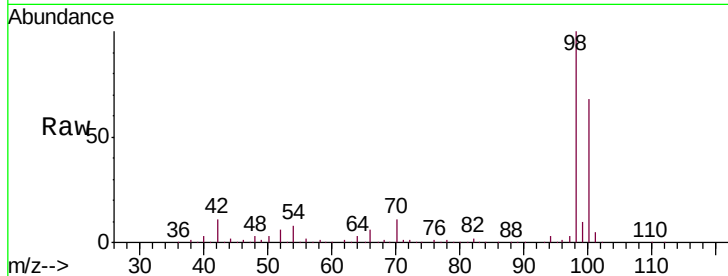
RE117D1-071618

Tot Ion: 98 Resp: 235768

Ion Ratio Lower Upper

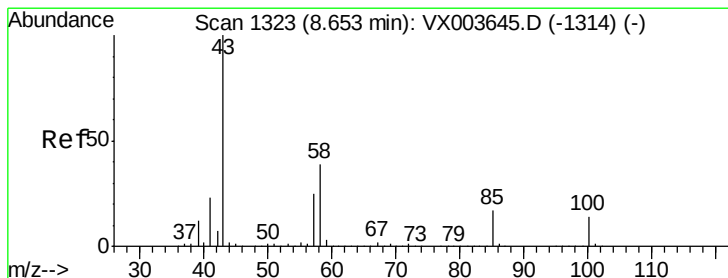
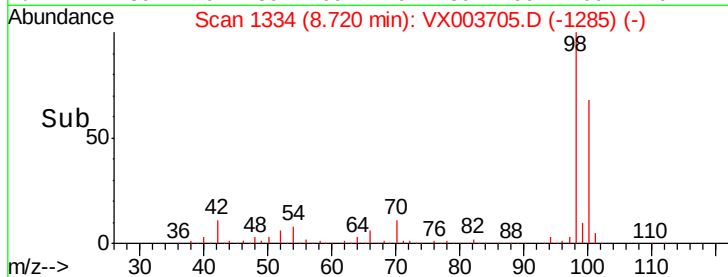
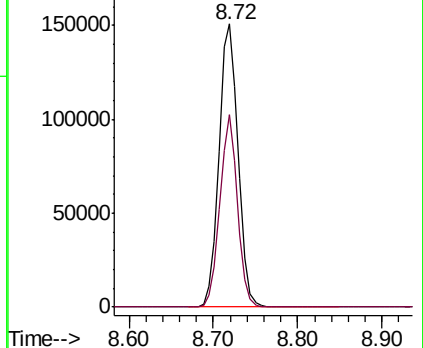
98 100

100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.56 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003705.D

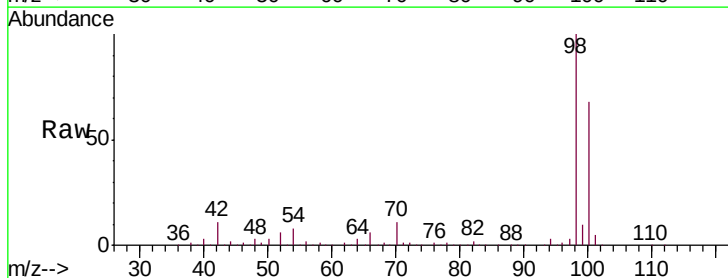
Acq: 27 Jul 2018 08:13

Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

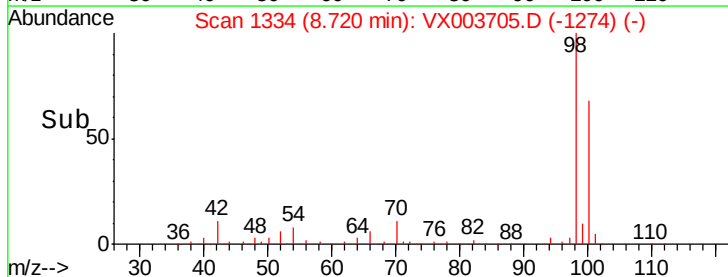
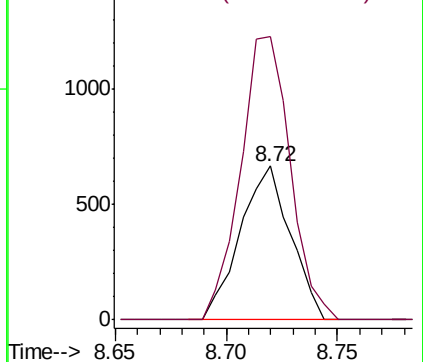
43 100

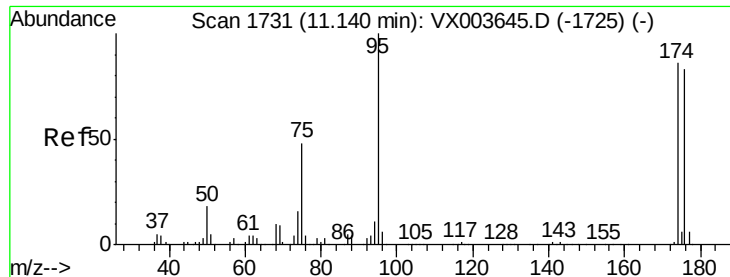
58 182.5 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003705.D

Acq: 27 Jul 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-071618

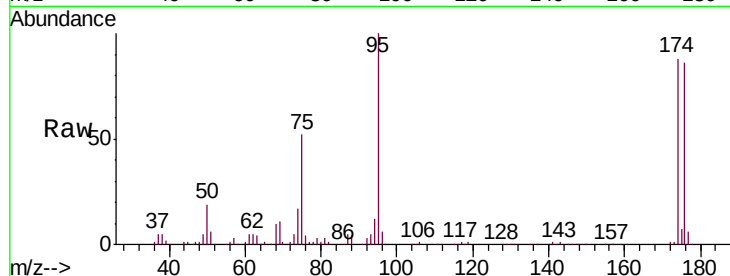
Tot Ion: 95 Resp: 70940

Ion Ratio Lower Upper

95 100

174 90.1 0.0 179.0

176 87.1 0.0 173.0

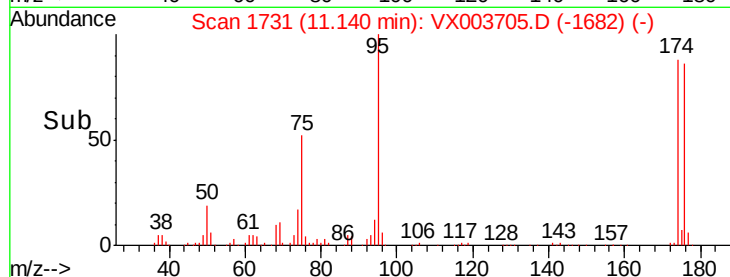


Abundance Ion 94.90 (94.60 to 95.60): VX003645.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX003645.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX003645.D (-1725) (-)

Time-->

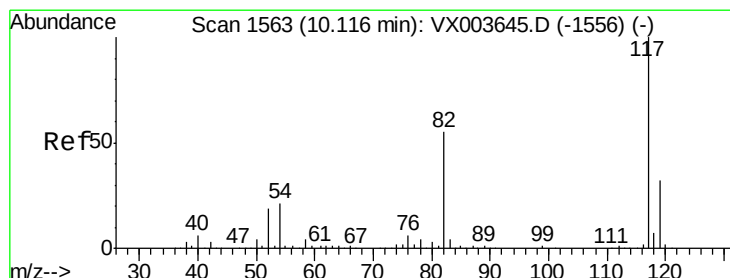


Abundance Ion 94.90 (94.60 to 95.60): VX003705.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003705.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003705.D (-1682) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003705.D

Acq: 27 Jul 2018 08:13

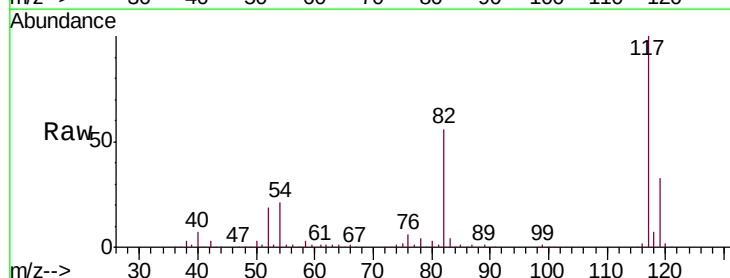
Tgt Ion: 117 Resp: 134861

Ion Ratio Lower Upper

117 100

82 55.7 44.3 66.5

119 32.6 25.6 38.4

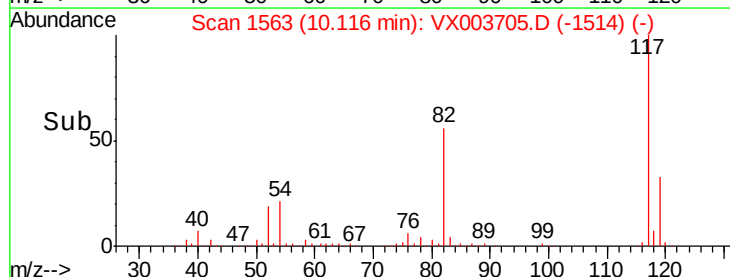


Abundance Ion 116.90 (116.60 to 117.60): VX003645.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX003645.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003645.D (-1556) (-)

Time-->

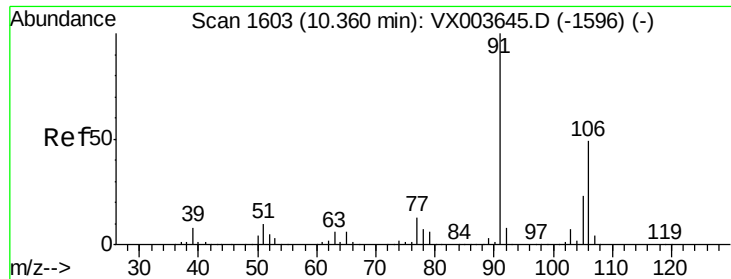


Abundance Ion 116.90 (116.60 to 117.60): VX003705.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003705.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003705.D (-1514) (-)

Time-->



#68

m/p-Xvlenes

Concen: 0.33 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003705.D

Acq: 27 Jul 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

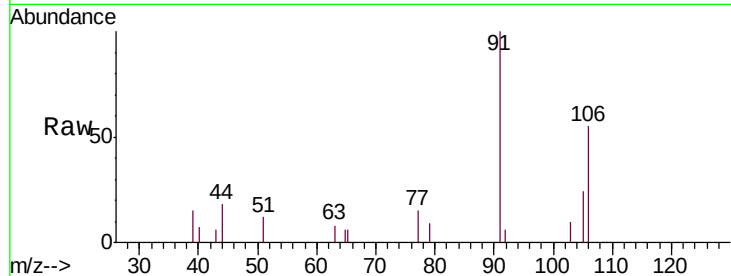
RE117D1-071618

Tot Ion:106 Resp: 712

Ion Ratio Lower Upper

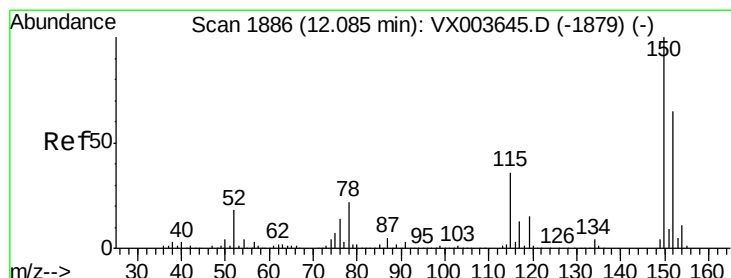
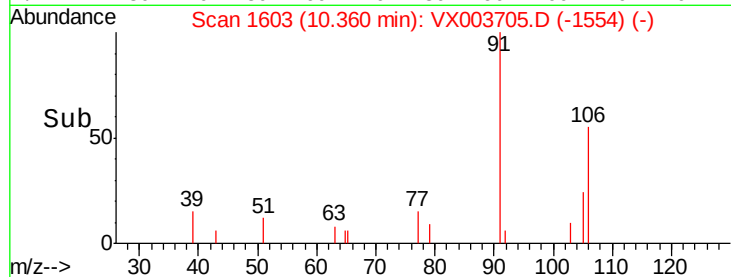
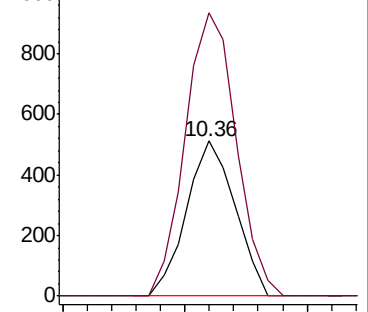
106 100

91 190.3 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003705.D

Acq: 27 Jul 2018 08:13

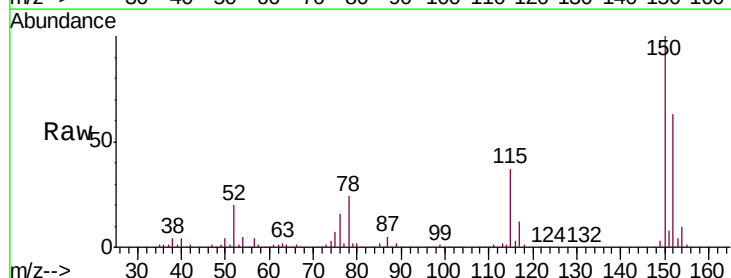
Tgt Ion:152 Resp: 79444

Ion Ratio Lower Upper

152 100

115 55.7 40.0 119.9

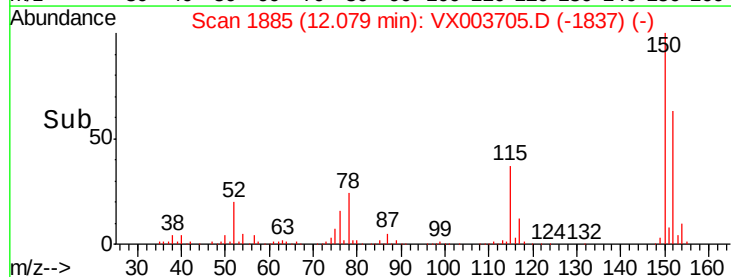
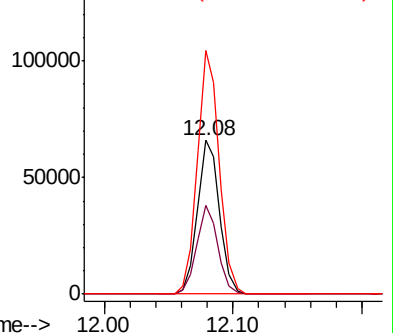
150 157.2 0.0 348.4

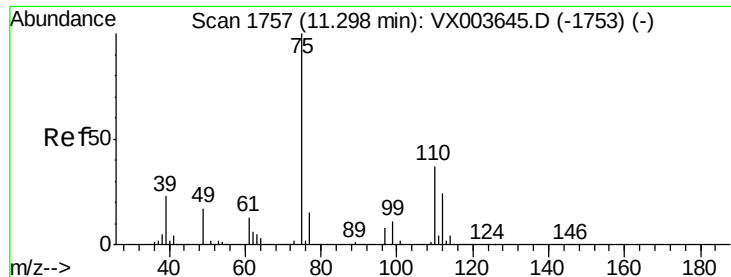


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003705.D

Acq: 27 Jul 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

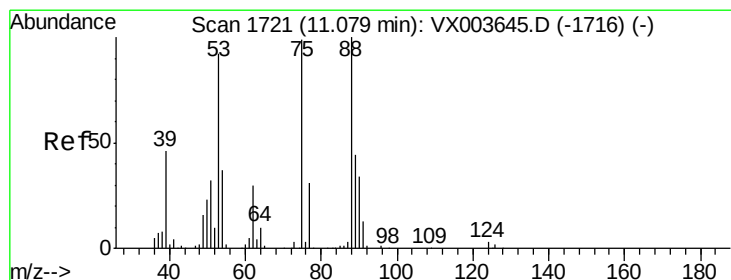
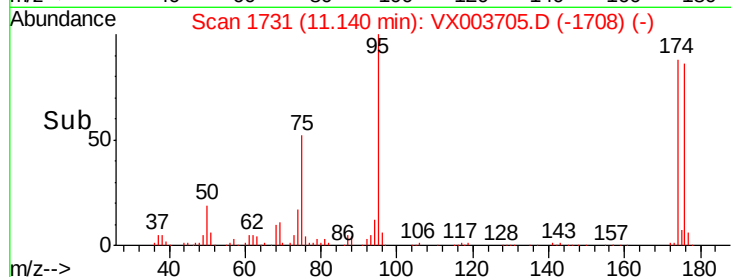
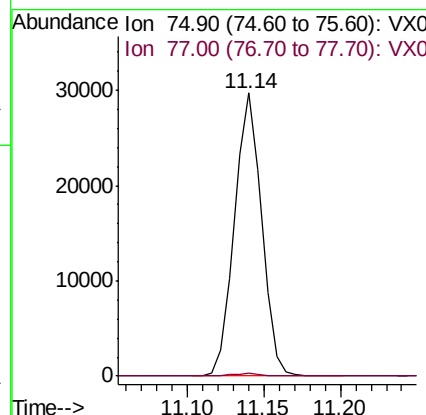
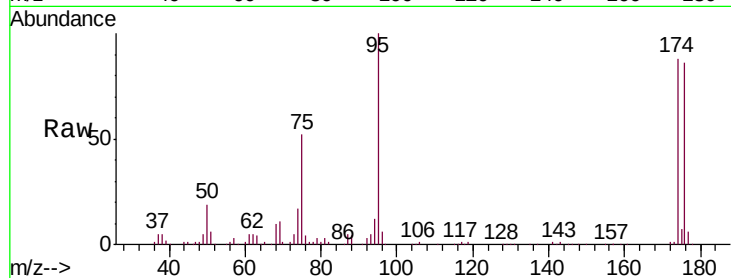
RE117D1-071618

Tot Ion: 75 Resp: 36547

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003705.D

Acq: 27 Jul 2018 08:13

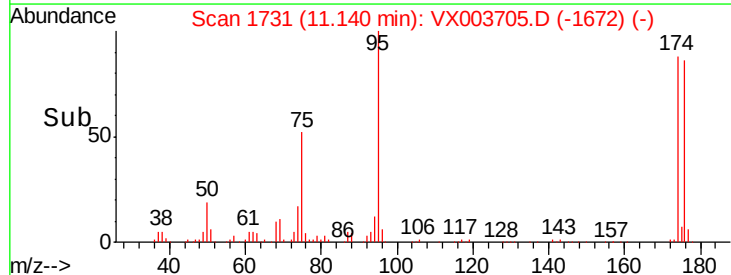
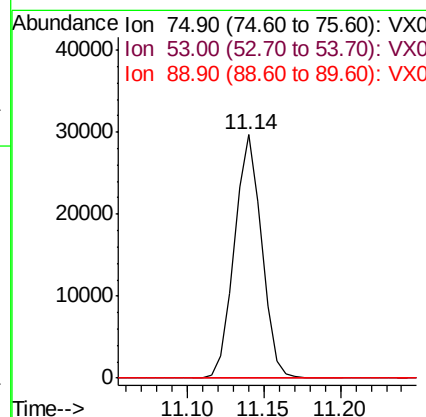
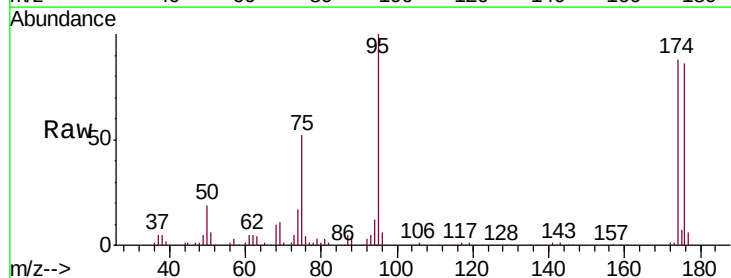
Tgt Ion: 75 Resp: 36547

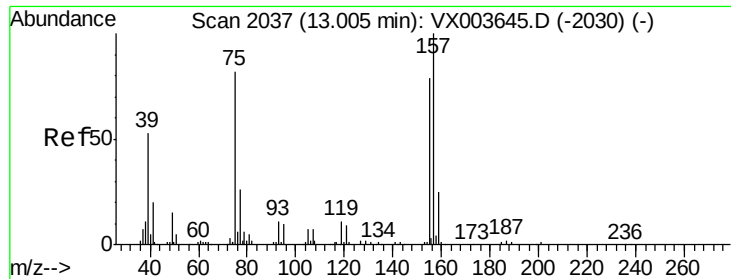
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 36.6 54.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.38 ug/l

RT: 12.82 min Scan# 2006

Delta R.T. -0.19 min

Lab File: VX003705.D

Acq: 27 Jul 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-071618

Tot Ion: 75 Resp: 159

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 0.0 59.7 179.0#

