

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030119\
 Data File : VX007795.D
 Acq On : 01 Mar 2019 17:40
 Operator : JC/SP
 Sample : K1701-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T5-OZ(POST-HYPO)

Quant Time: Mar 01 22:21:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	95488	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	6.83	114	60148	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.11	117	173866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140724	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	4639	3.92	ug/l	-0.04
Spiked Amount			Recovery	=	7.84%	
35) Dibromofluoromethane	5.45	113	3436	8.55	ug/l	-0.06
Spiked Amount			Recovery	=	17.10%	
50) Toluene-d8	8.70	98	189144	122.88	ug/l	-0.01
Spiked Amount			Recovery	=	245.76%	
62) 4-Bromofluorobenzene	11.13	95	112152	198.51	ug/l	0.00
Spiked Amount			Recovery	=	397.02%	

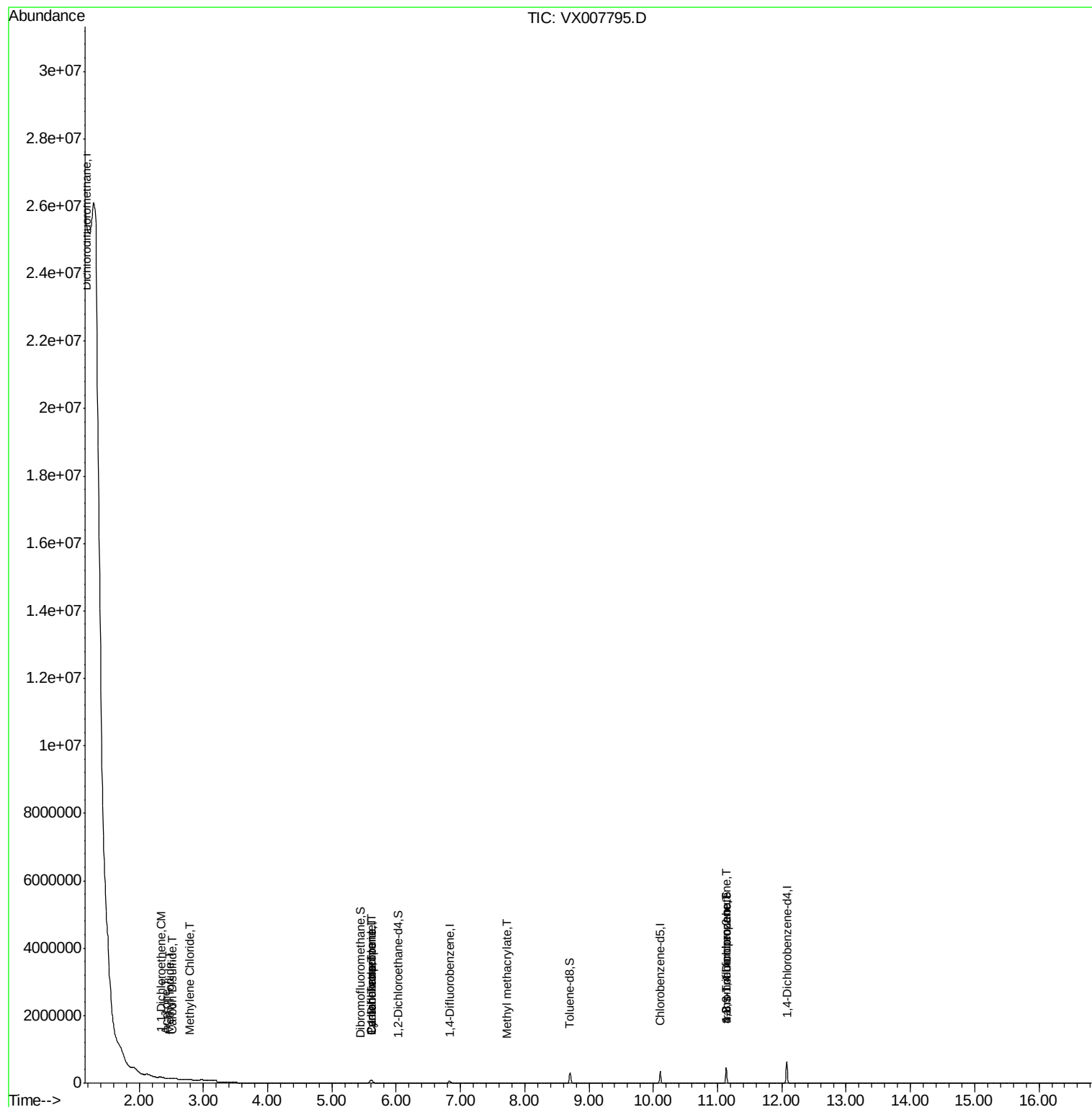
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	1093	1.243	ug/l #	43
5) Bromomethane	1.63	94	67	Below Cal	#	26
10) Methyl Iodide	2.47	142	1595	1.382	ug/l #	84
12) 1,1-Dichloroethene	2.34	96	334	0.400	ug/l #	1
16) Acetone	2.42	43	207	0.394	ug/l #	1
17) Carbon Disulfide	2.51	76	491	0.211	ug/l #	75
20) Methylene Chloride	2.79	84	340	0.350	ug/l #	81
31) Cyclohexane	5.61	56	1814	1.104	ug/l #	1
36) 1,1-Dichloropropene	5.60	75	6283	11.619	ug/l #	47
38) Carbon Tetrachloride	5.61	117	8090	14.893	ug/l #	16
48) Methyl methacrylate	7.73	41	140	0.289	ug/l #	3
76) 1,2,3-Trichloropropane	11.13	75	54343	18.117	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	54343	48.635	ug/l #	9

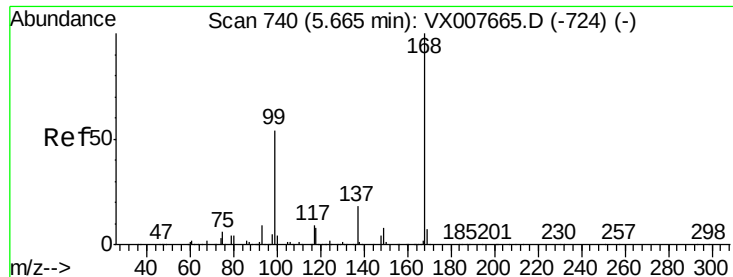
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 01 22:21:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 731

Delta R.T. -0.06 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

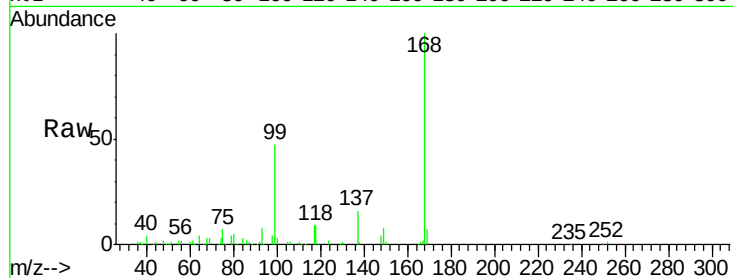
M2-T5-OZ(POST-HYPO)

Tot Ion:168 Resp: 95488

Ion Ratio Lower Upper

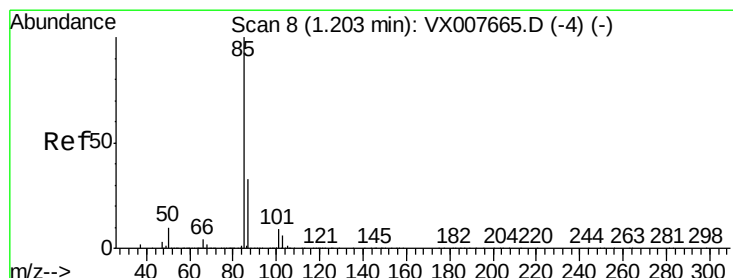
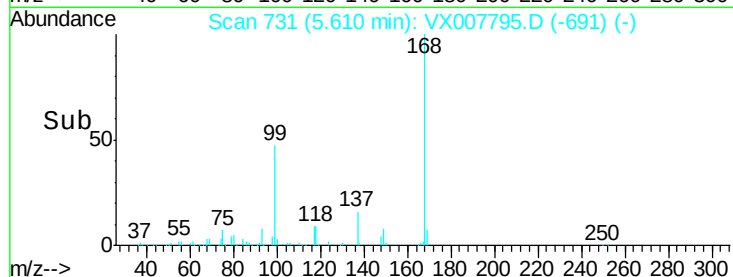
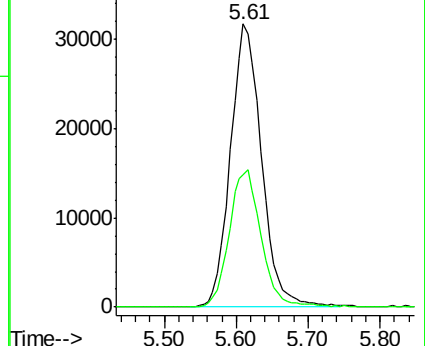
168 100

99 46.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.243 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.01 min

Lab File: VX007795.D

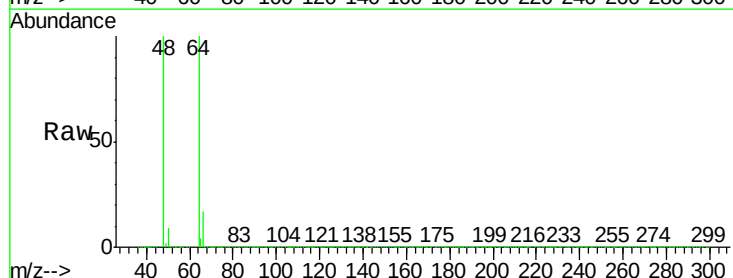
Acq: 01 Mar 2019 17:40

Tgt Ion: 85 Resp: 1093

Ion Ratio Lower Upper

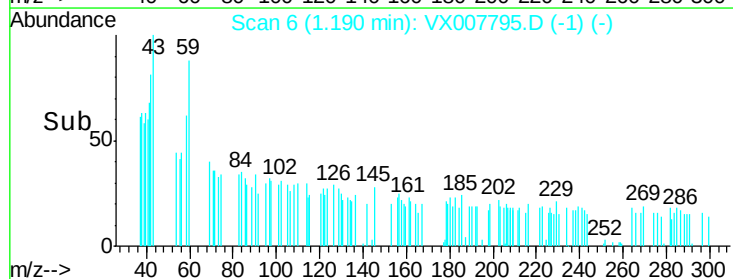
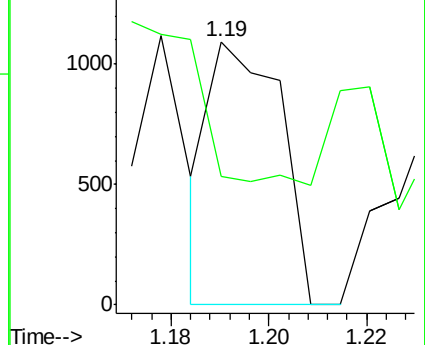
85 100

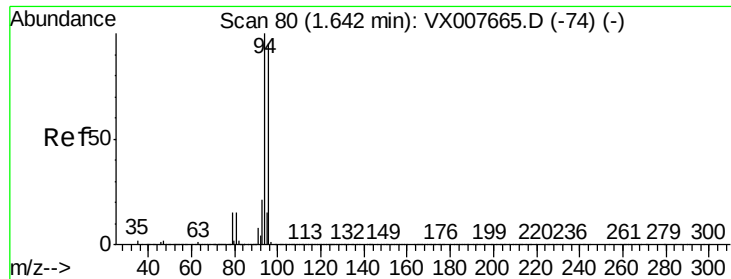
87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

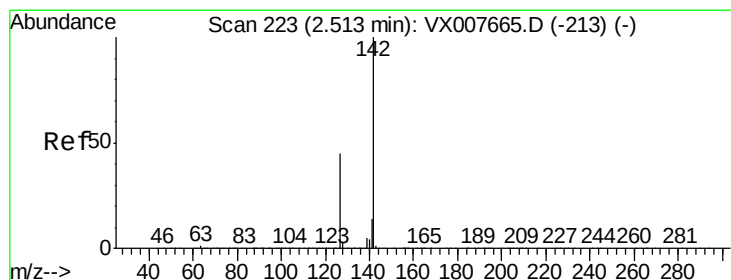
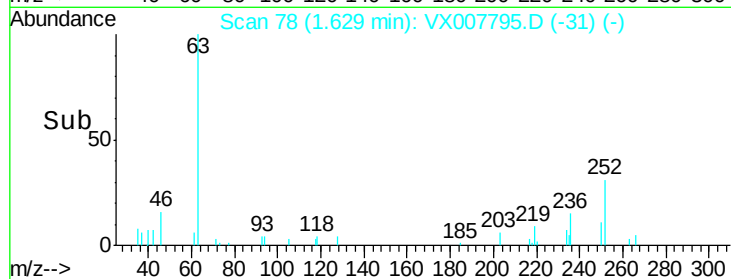
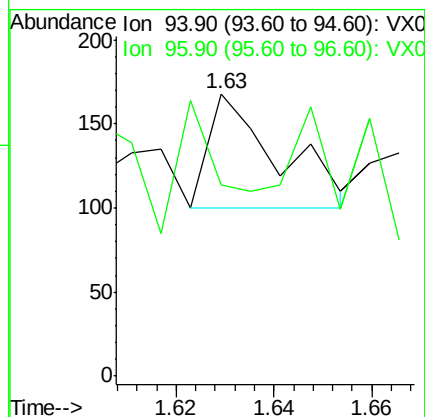
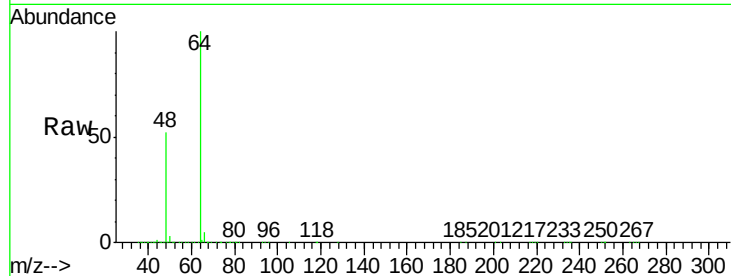
M2-T5-OZ(POST-HYPO)

Tot Ion: 94 Resp: 67

Ion Ratio Lower Upper

94 100

96 22.1 73.9 110.9#



#10

Methyl Iodide

Concen: 1.382 ug/l

RT: 2.47 min Scan# 216

Delta R.T. -0.04 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

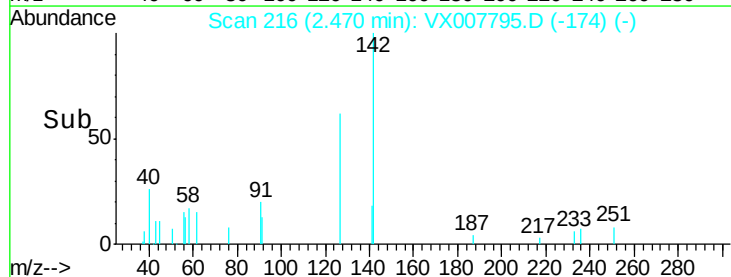
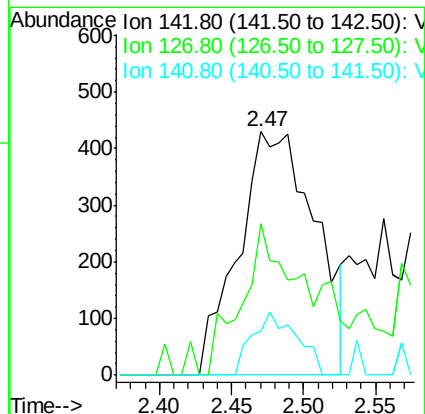
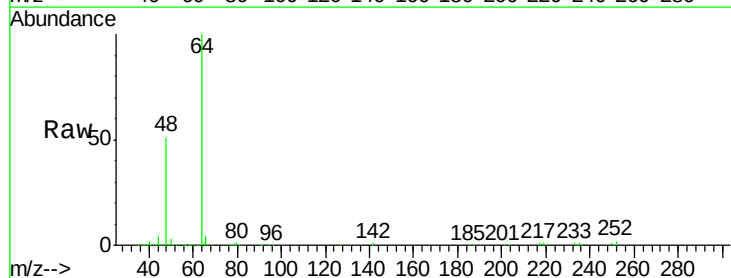
Tgt Ion: 142 Resp: 1595

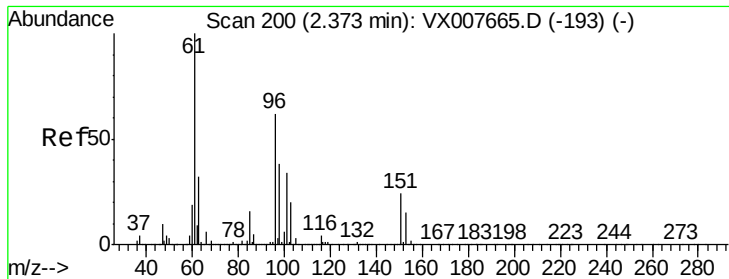
Ion Ratio Lower Upper

142 100

127 54.9 33.7 50.5#

141 15.0 11.3 16.9





#12

1,1-Dichloroethene

Concen: 0.400 ug/l

RT: 2.34 min Scan# 195

Delta R.T. -0.03 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-OZ(POST-HYPO)

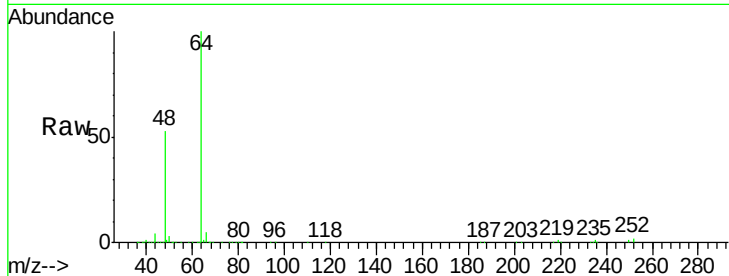
Tot Ion: 96 Resp: 334

Ion Ratio Lower Upper

96 100

61 0.0 123.0 184.4#

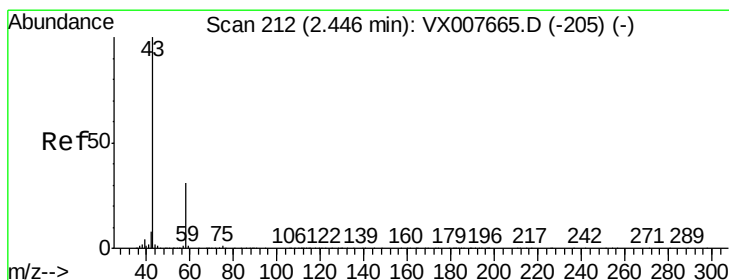
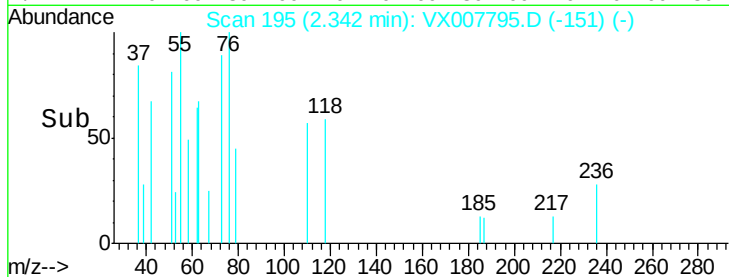
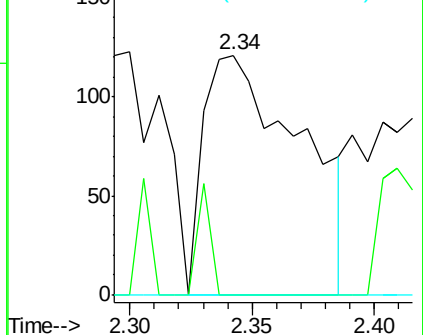
98 0.0 50.9 76.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 0.394 ug/l

RT: 2.42 min Scan# 208

Delta R.T. -0.02 min

Lab File: VX007795.D

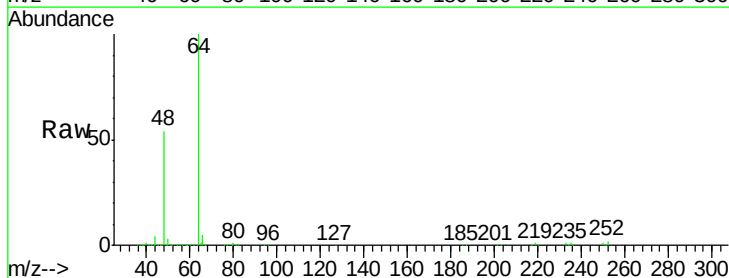
Acq: 01 Mar 2019 17:40

Tgt Ion: 43 Resp: 207

Ion Ratio Lower Upper

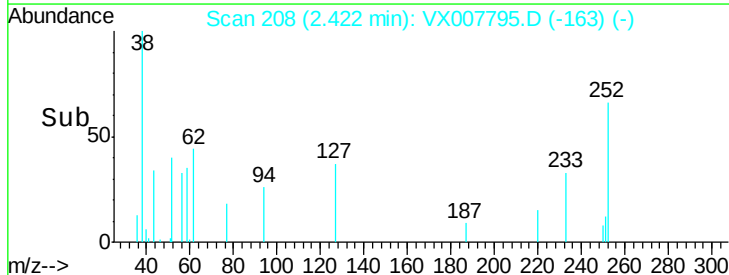
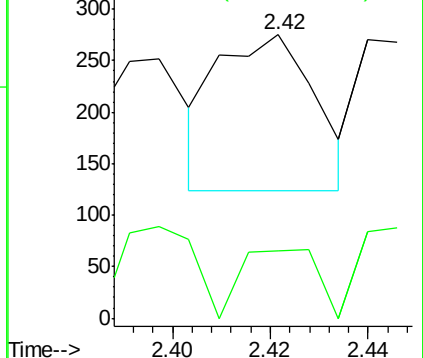
43 100

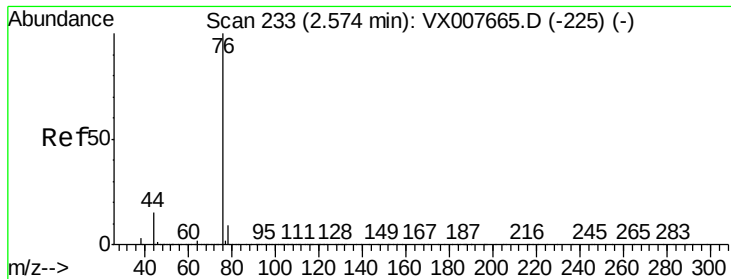
58 120.8 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.211 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.07 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

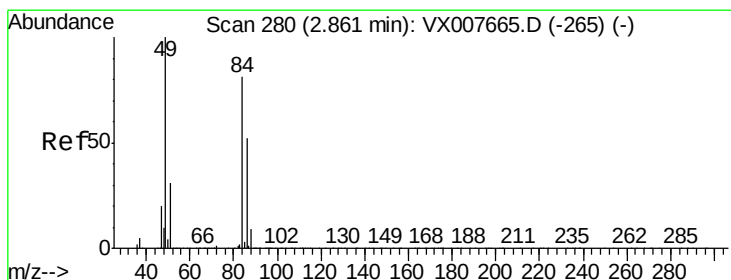
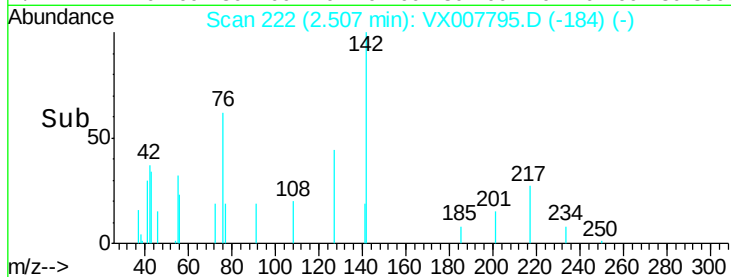
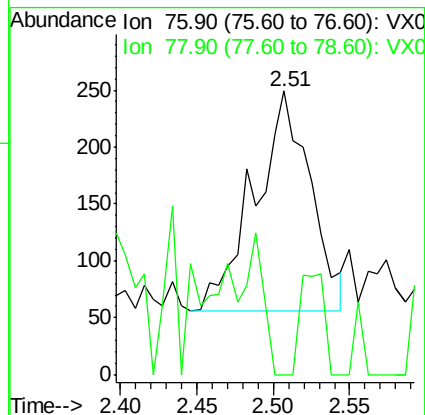
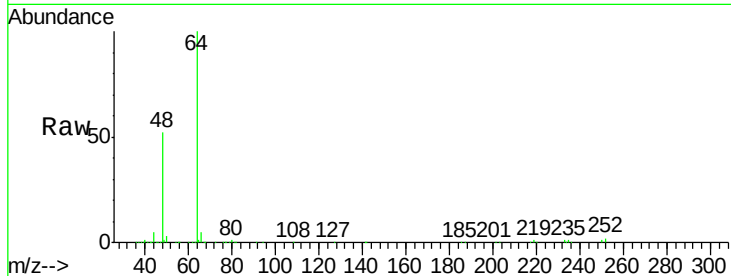
M2-T5-OZ(POST-HYPO)

Tot Ion: 76 Resp: 491

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#20

Methylene Chloride

Concen: 0.350 ug/l

RT: 2.79 min Scan# 269

Delta R.T. -0.07 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

Tgt Ion: 84 Resp: 340

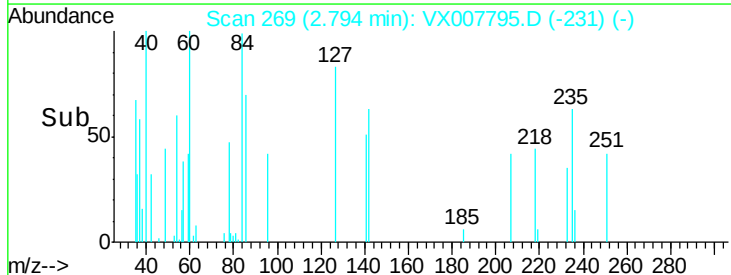
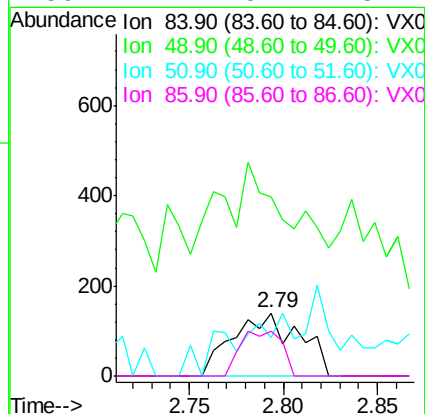
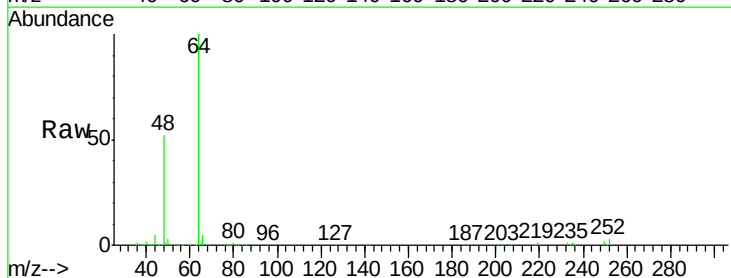
Ion Ratio Lower Upper

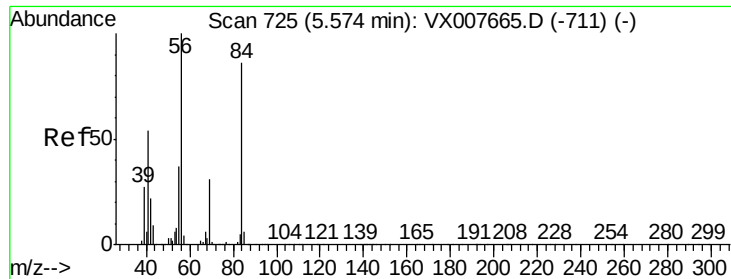
84 100

49 90.7 94.8 142.2#

51 20.7 29.8 44.8#

86 71.4 54.1 81.1

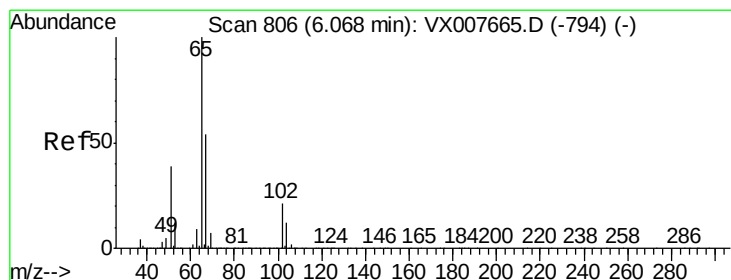
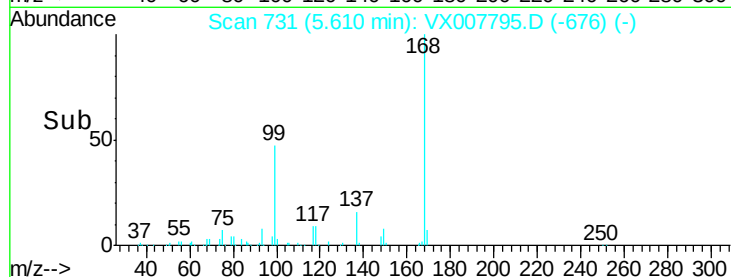
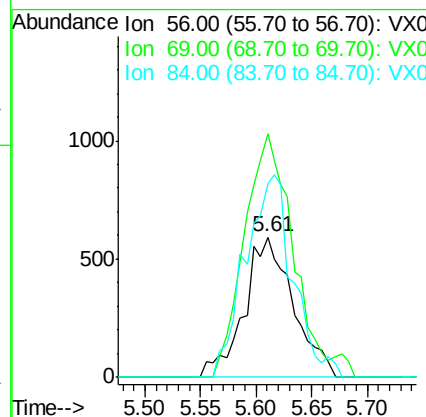
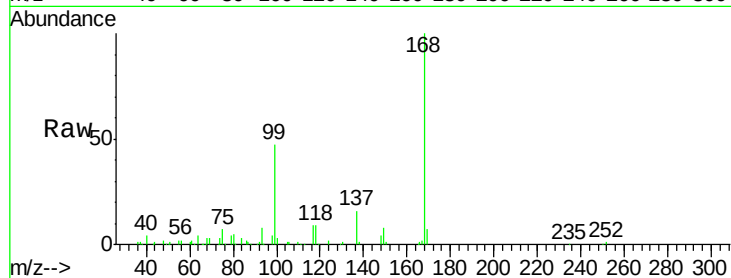




#31
Cyclohexane
Concen: 1.104 ug/l
RT: 5.61 min Scan# 731
Delta R.T. 0.04 min
Lab File: VX007795.D
Acq: 01 Mar 2019 17:40

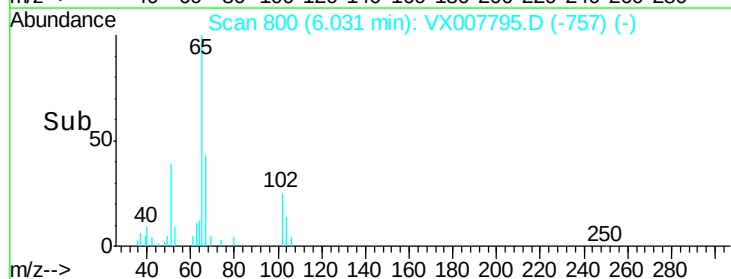
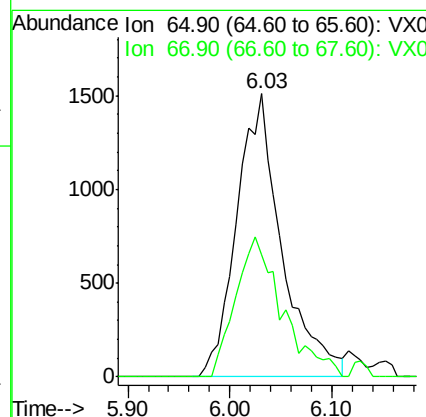
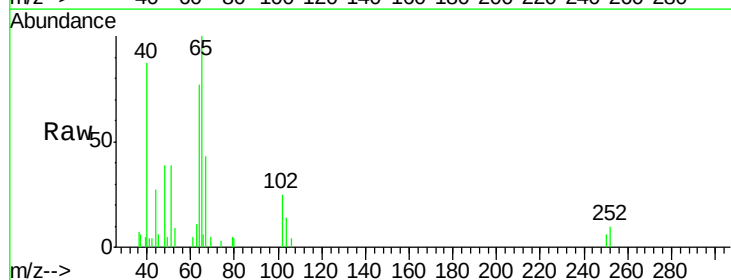
Instrument :
MSVOA_X
ClientSampleId :
M2-T5-OZ(POST-HYPO)

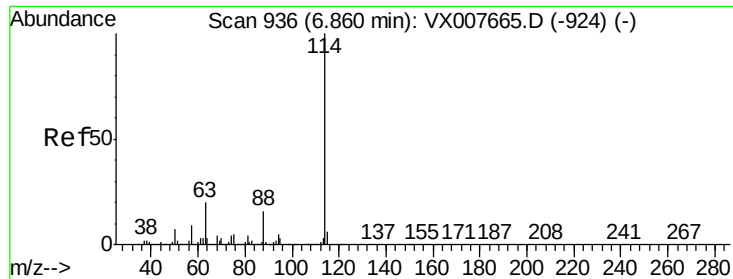
Tot Ion: 56 Resp: 1814
Ion Ratio Lower Upper
56 100
69 173.8 23.0 34.6#
84 138.5 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 3.922 ug/l
RT: 6.03 min Scan# 800
Delta R.T. -0.04 min
Lab File: VX007795.D
Acq: 01 Mar 2019 17:40

Tgt Ion: 65 Resp: 4639
Ion Ratio Lower Upper
65 100
67 51.4 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 931

Delta R.T. -0.03 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-OZ(POST-HYPO)

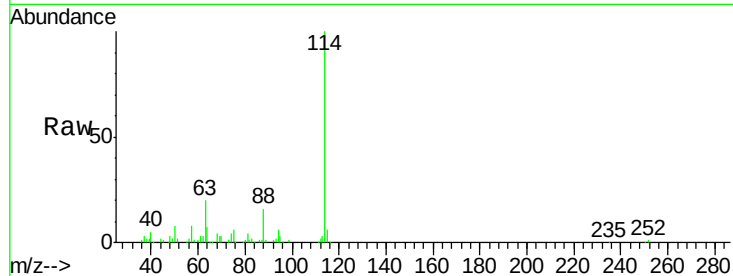
Tot Ion:114 Resp: 60148

Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.6

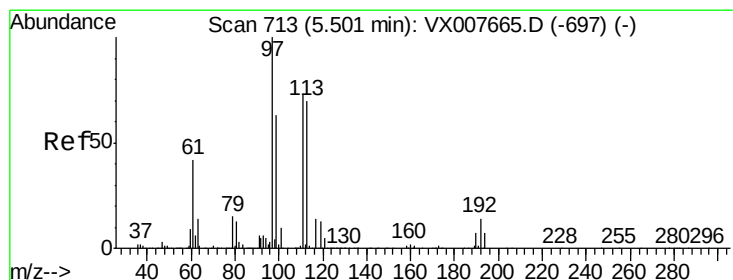
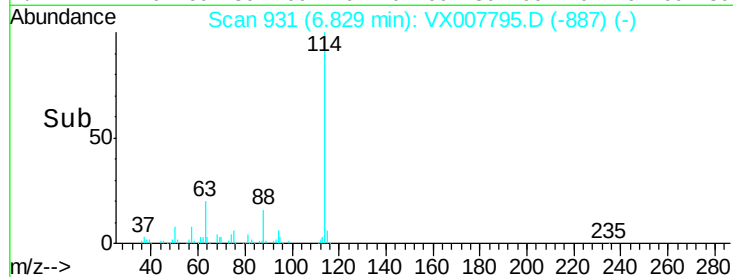
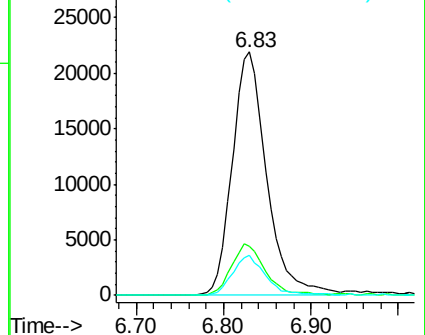
88 16.3 0.0 29.6



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: 8.546 ug/l

RT: 5.45 min Scan# 704

Delta R.T. -0.06 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

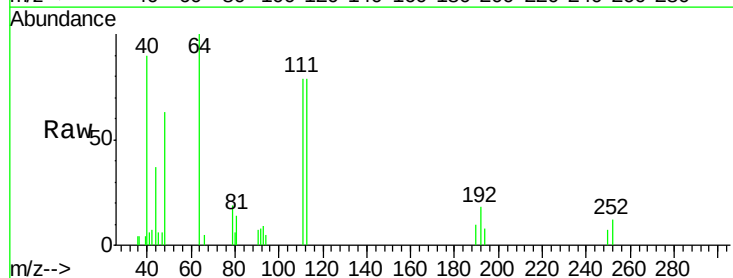
Tgt Ion:113 Resp: 3436

Ion Ratio Lower Upper

113 100

111 100.4 81.8 122.8

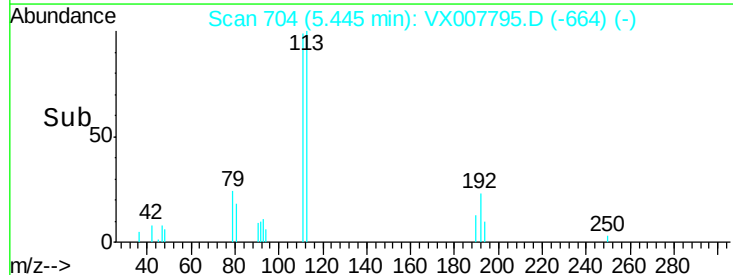
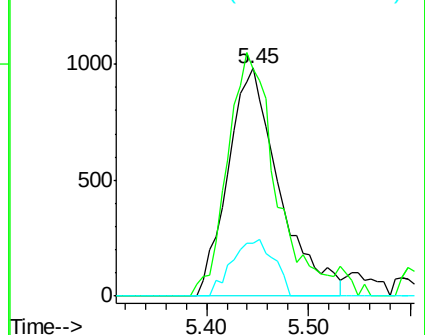
192 20.4 18.5 27.7

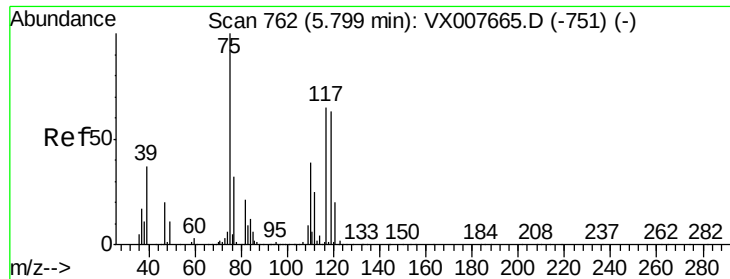


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 11.619 ug/l

RT: 5.60 min Scan# 730

Delta R.T. -0.20 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-OZ(POST-HYPO)

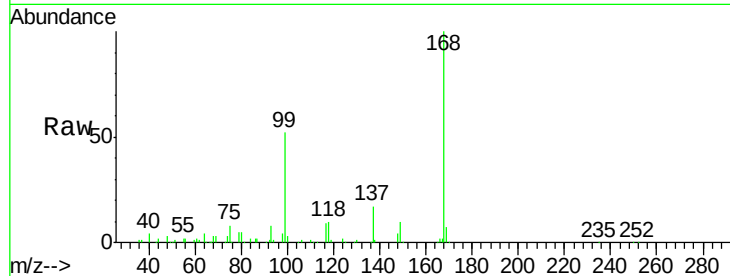
Tot Ion: 75 Resp: 6283

Ion Ratio Lower Upper

75 100

110 8.8 20.0 59.9#

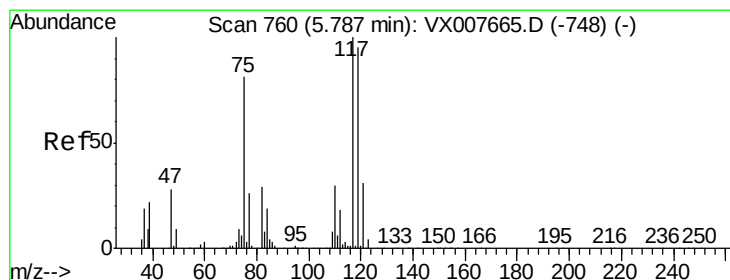
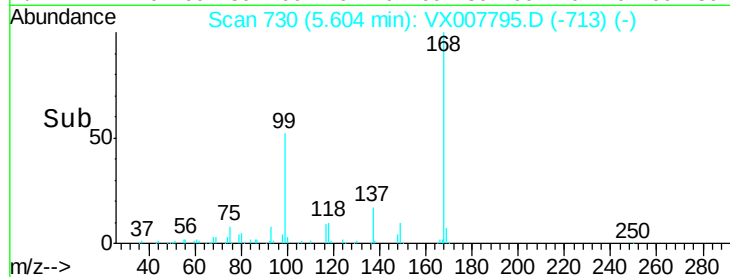
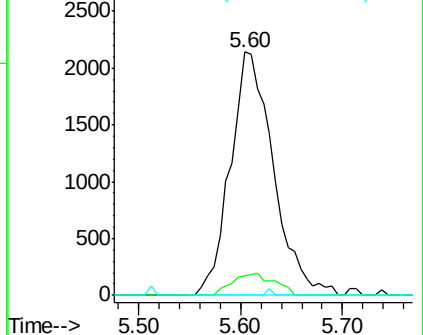
77 0.0 24.7 37.1#



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



#38

Carbon Tetrachloride

Concen: 14.893 ug/l

RT: 5.61 min Scan# 731

Delta R.T. -0.18 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

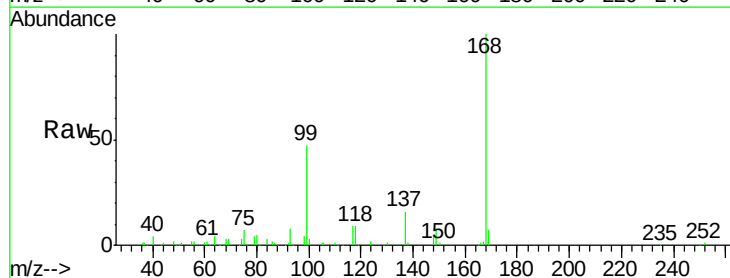
Tgt Ion: 117 Resp: 8090

Ion Ratio Lower Upper

117 100

119 4.0 75.3 112.9#

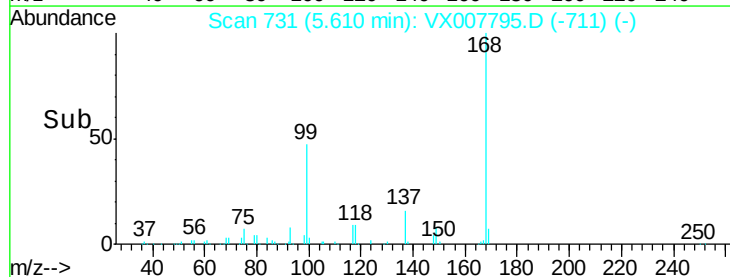
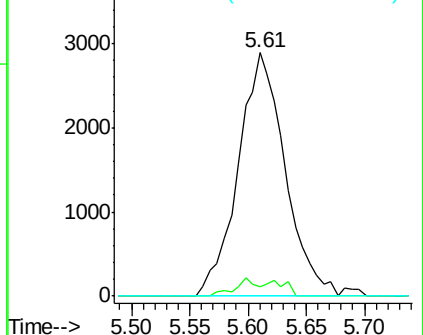
121 0.0 25.0 37.4#

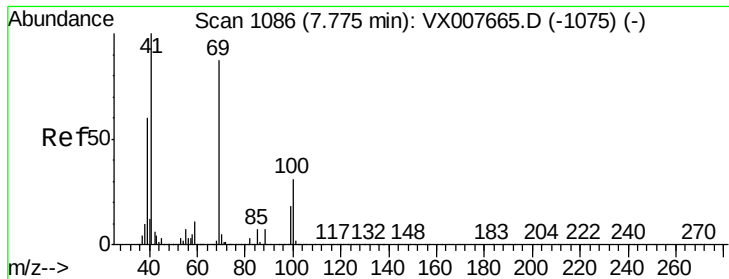


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

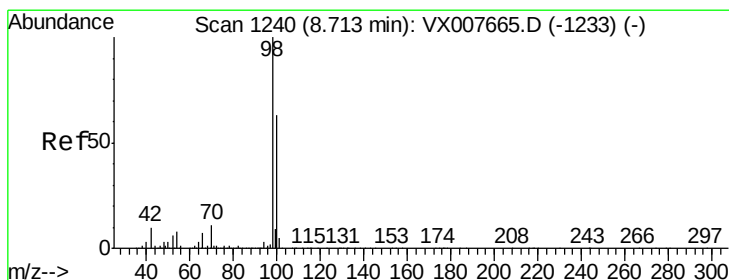
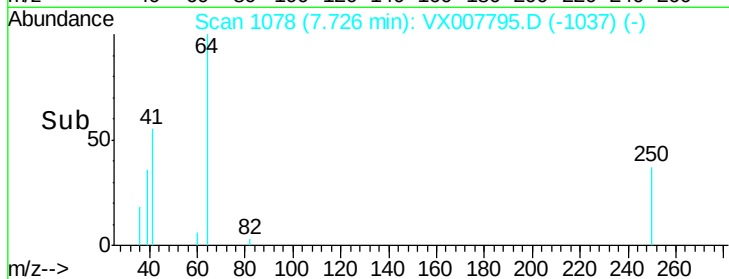
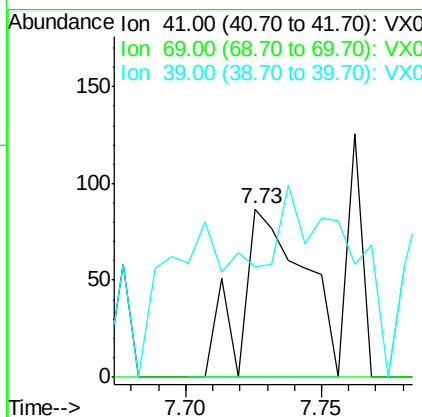
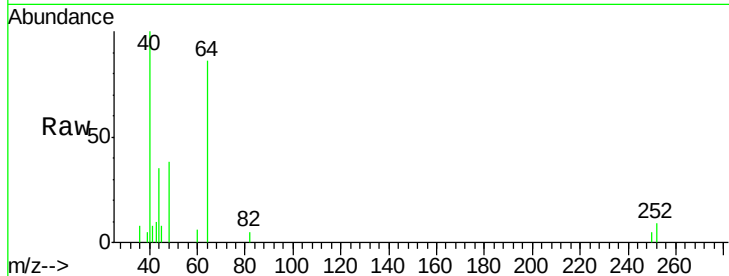




#48
Methvl methacrylate
Concen: 0.289 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.05 min
Lab File: VX007795.D
Acq: 01 Mar 2019 17:40

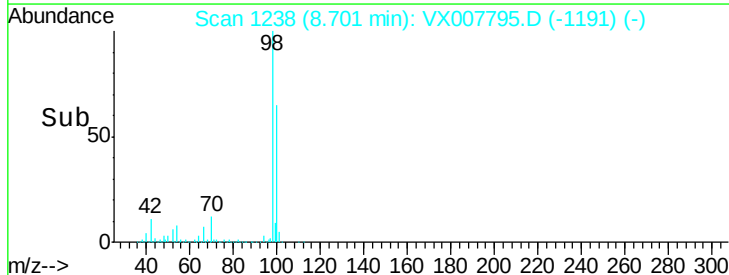
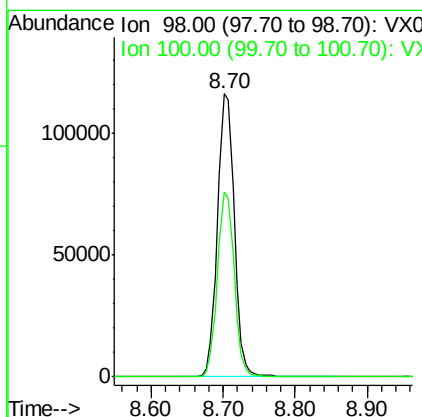
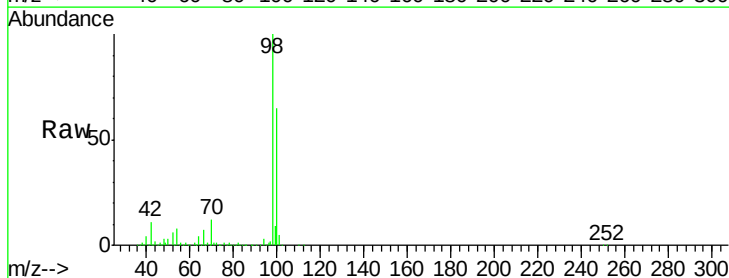
Instrument :
MSVOA_X
ClientSampleId :
M2-T5-OZ(POST-HYPO)

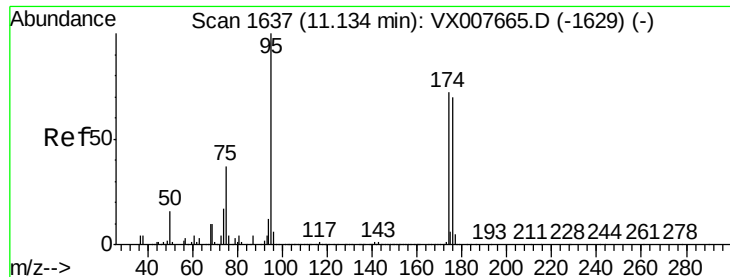
Tot Ion: 41 Resp: 140
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 134.3 47.4 71.0#



#50
Toluene-d8
Concen: 122.878 ug/l
RT: 8.70 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VX007795.D
Acq: 01 Mar 2019 17:40

Tgt Ion: 98 Resp: 189144
Ion Ratio Lower Upper
98 100
100 65.0 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 198.509 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-OZ(POST-HYPO)

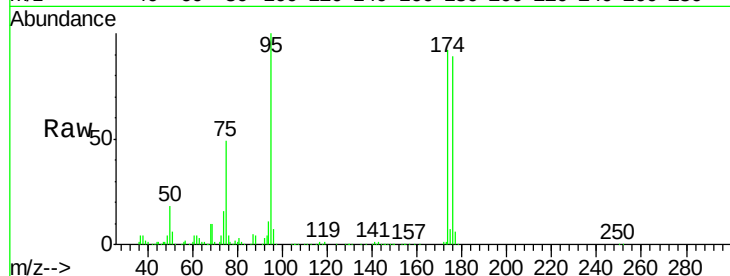
Tot Ion: 95 Resp: 112152

Ion Ratio Lower Upper

95 100

174 93.7 0.0 189.2

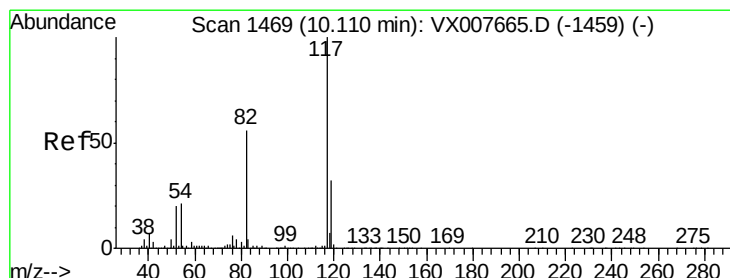
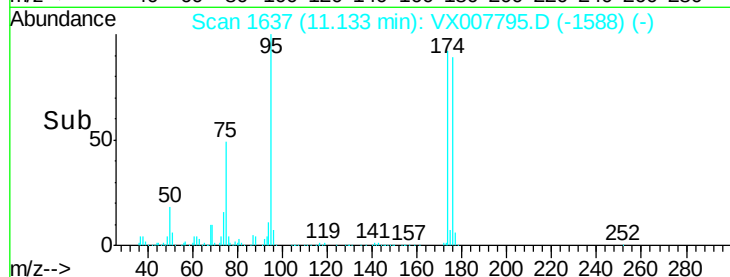
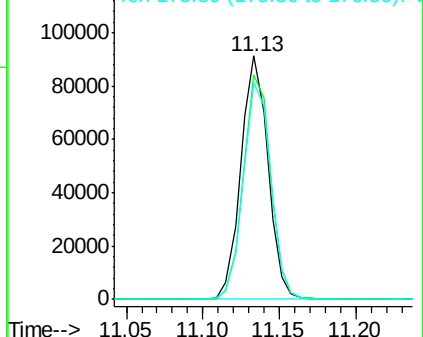
176 91.1 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007795.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007795.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007795.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

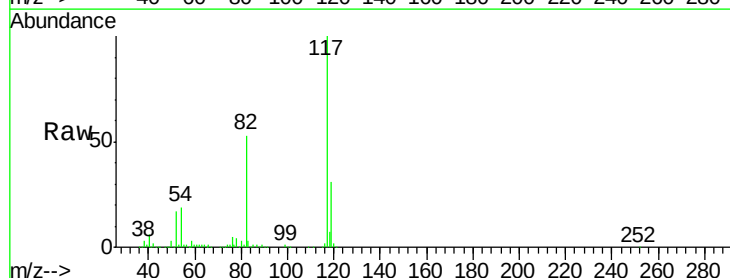
Tgt Ion: 117 Resp: 173866

Ion Ratio Lower Upper

117 100

82 52.7 42.1 63.1

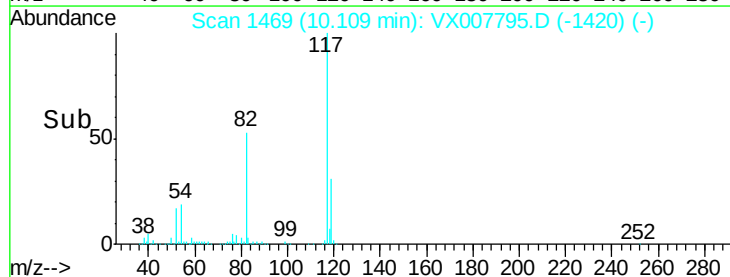
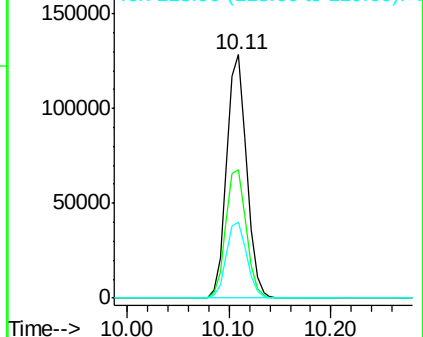
119 31.4 26.5 39.7

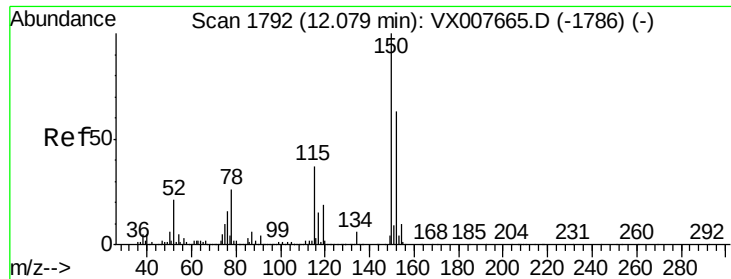


Abundance Ion 116.90 (116.60 to 117.60): VX007795.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007795.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007795.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-OZ(POST-HYPO)

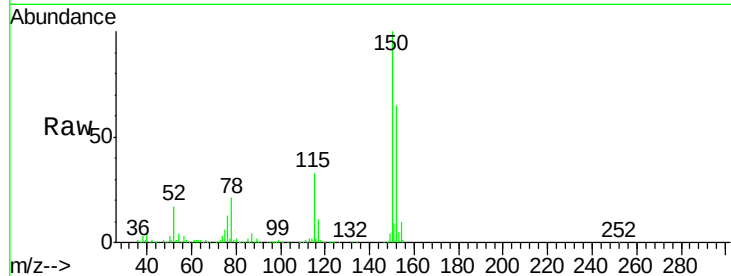
Tot Ion:152 Resp: 140724

Ion Ratio Lower Upper

152 100

115 54.4 38.0 114.0

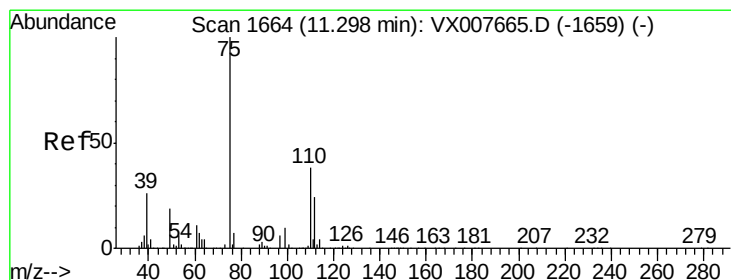
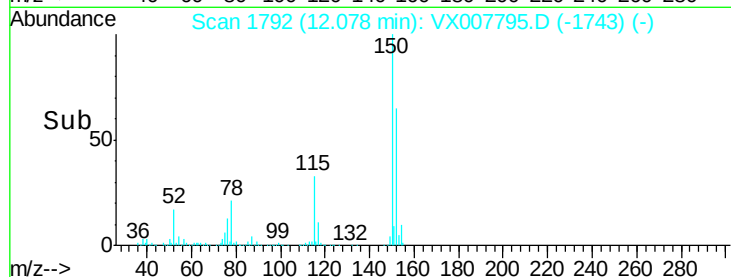
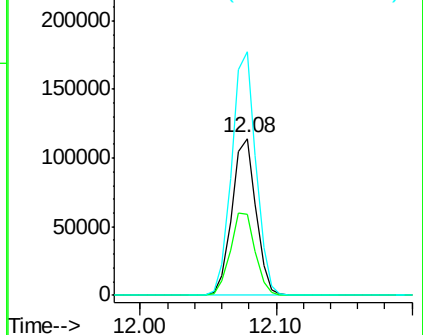
150 156.4 0.0 346.4



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: 18.117 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007795.D

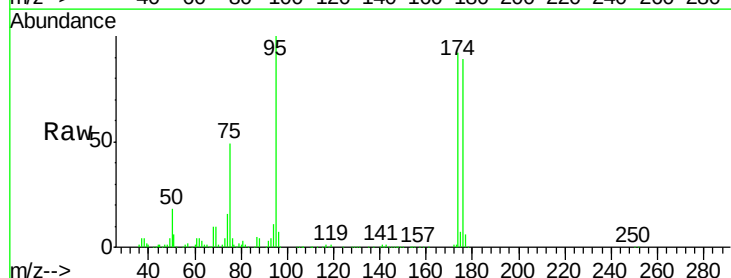
Acq: 01 Mar 2019 17:40

Tgt Ion: 75 Resp: 54343

Ion Ratio Lower Upper

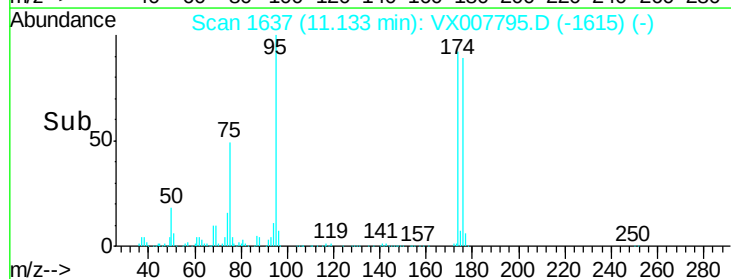
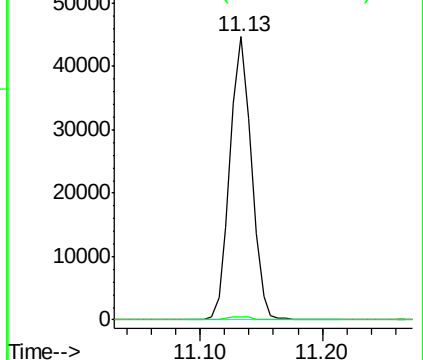
75 100

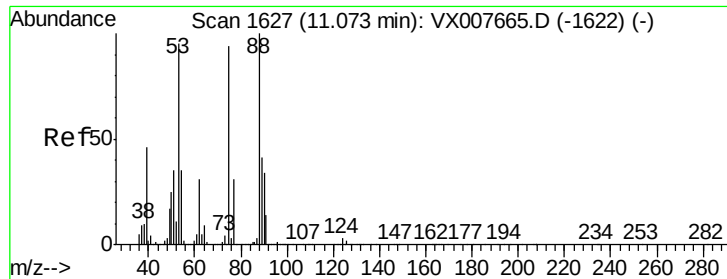
77 1.2 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.635 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007795.D

Acq: 01 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-OZ(POST-HYPO)

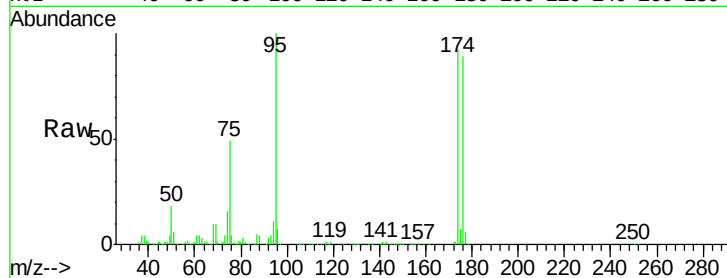
Tot Ion: 75 Resp: 54343

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 41.4 62.0#



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

