

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030119\
 Data File : VX007797.D
 Acq On : 01 Mar 2019 18:33
 Operator : JC/SP
 Sample : K1701-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T4B-UV(PRE)

Quant Time: Mar 01 22:21:44 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	5.67	168	325538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	500775	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	477305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227020	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	183666	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
35) Dibromofluoromethane	5.51	113	168425	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	8.71	98	618260	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.13	95	223152	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

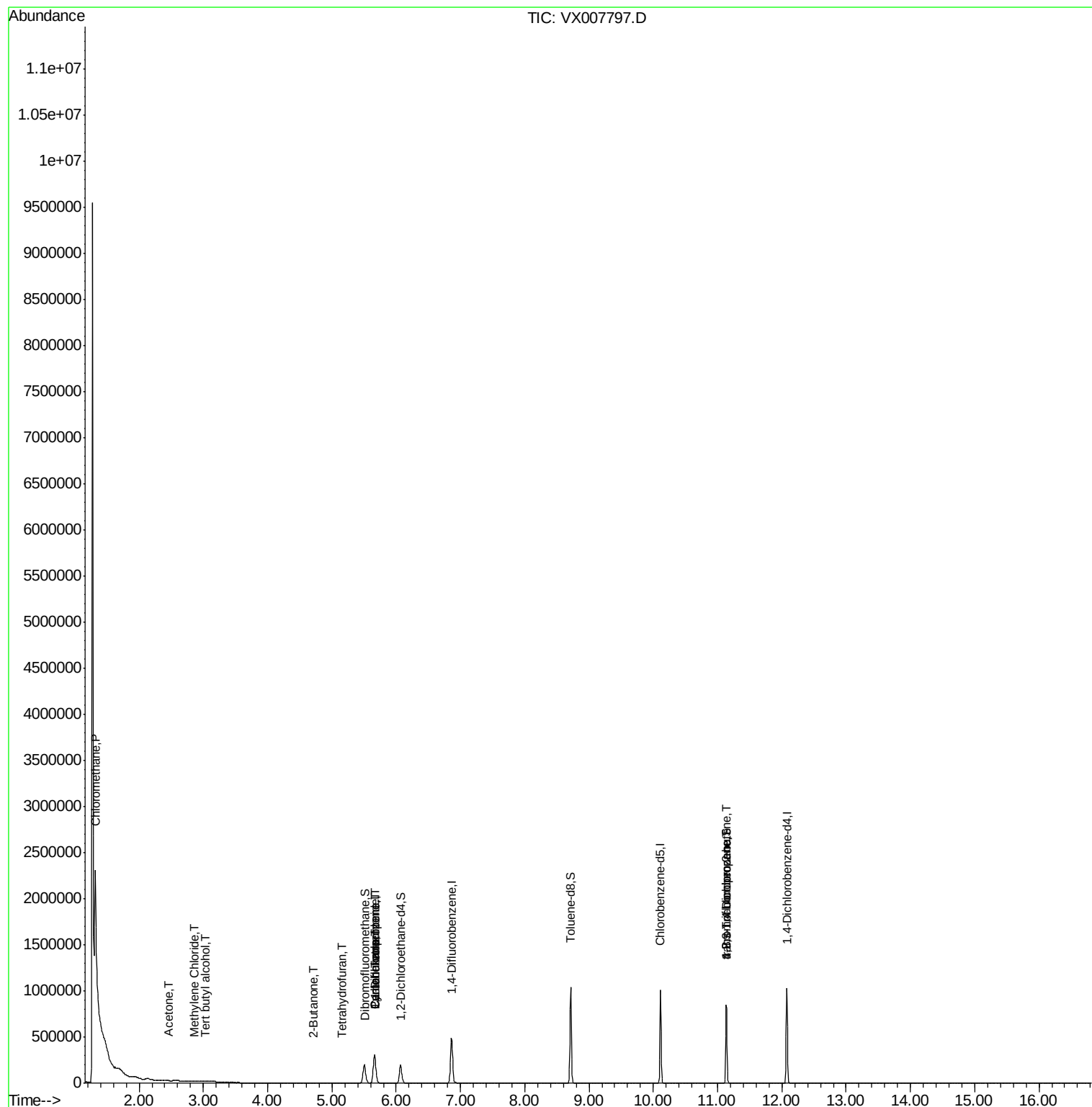
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	154054	46.358	ug/l #	43
5) Bromomethane	1.66	94	339	Below Cal	#	48
11) Tert butyl alcohol	3.03	59	1462	1.911	ug/l #	87
16) Acetone	2.45	43	3143	1.753	ug/l	99
20) Methylene Chloride	2.86	84	732	0.221	ug/l #	92
25) 2-Butanone	4.70	43	2109	0.772	ug/l	92
29) Tetrahydrofuran	5.17	42	3437	1.909	ug/l	91
31) Cyclohexane	5.66	56	5378	0.960	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20685	4.594	ug/l #	48
38) Carbon Tetrachloride	5.67	117	27997	6.191	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	105005	21.700	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	105005	57.658	ug/l #	9

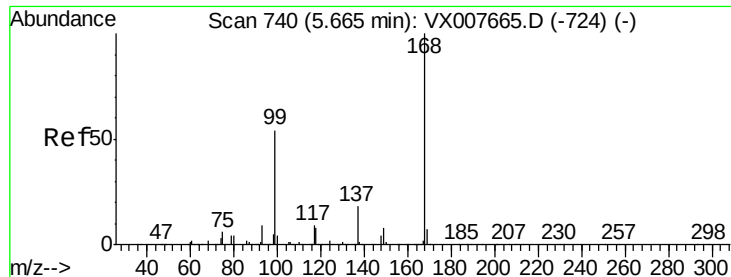
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

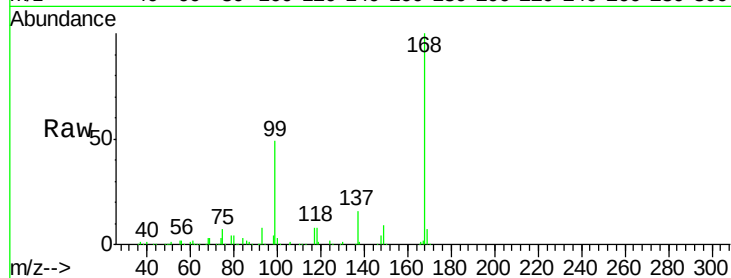
M2-T4B-UV(PRE)

Tot Ion:168 Resp: 325538

Ion Ratio Lower Upper

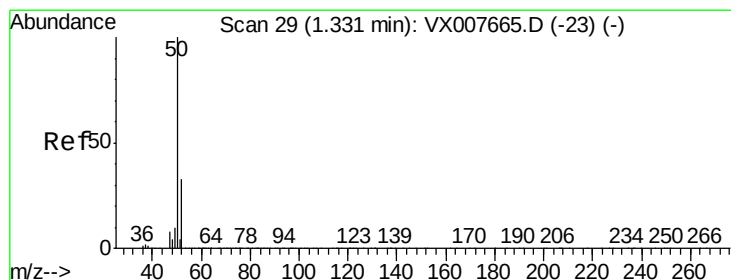
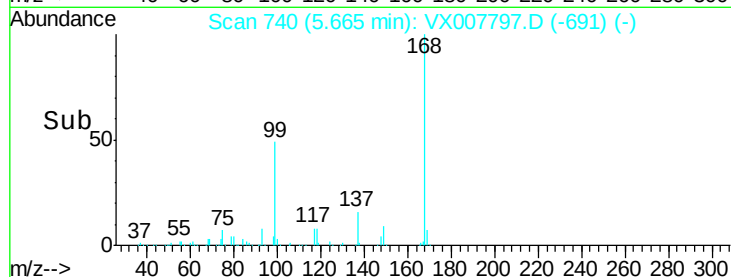
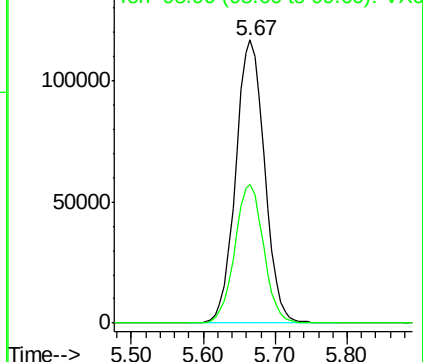
168 100

99 49.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 46.358 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX007797.D

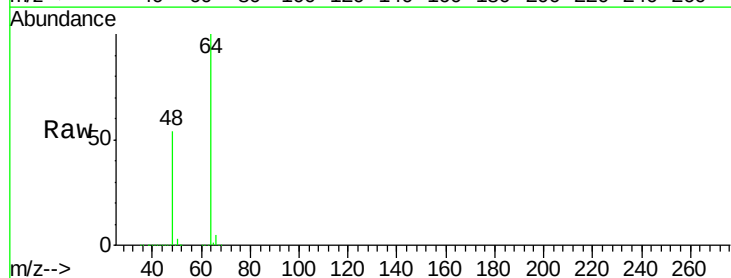
Acq: 01 Mar 2019 18:33

Tgt Ion: 50 Resp: 154054

Ion Ratio Lower Upper

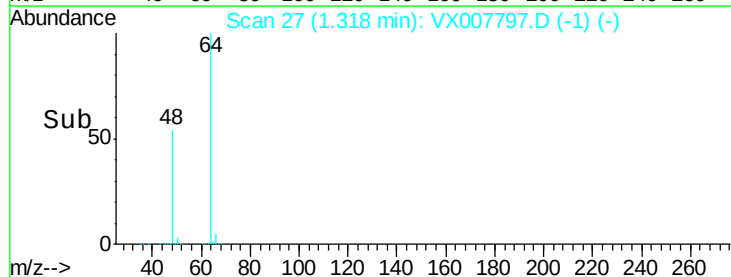
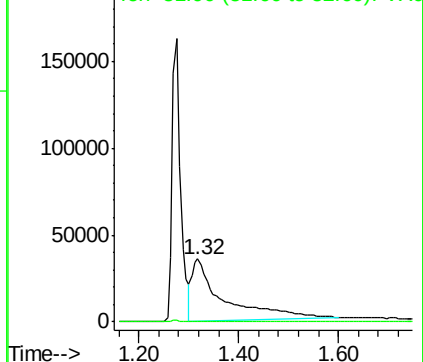
50 100

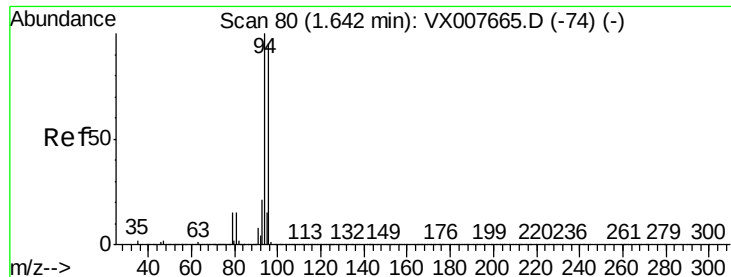
52 0.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

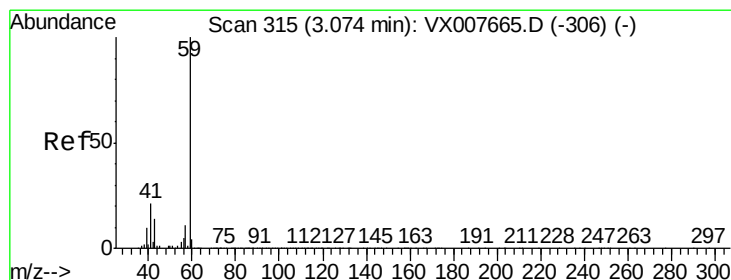
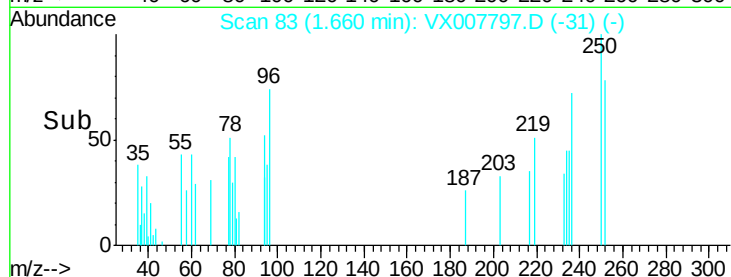
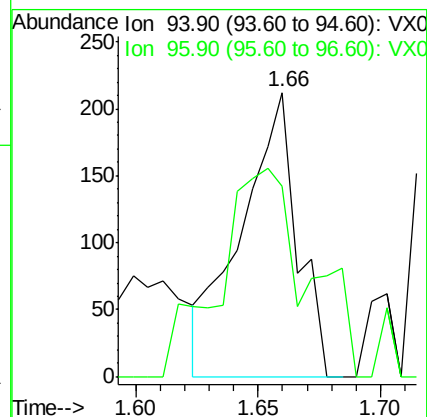
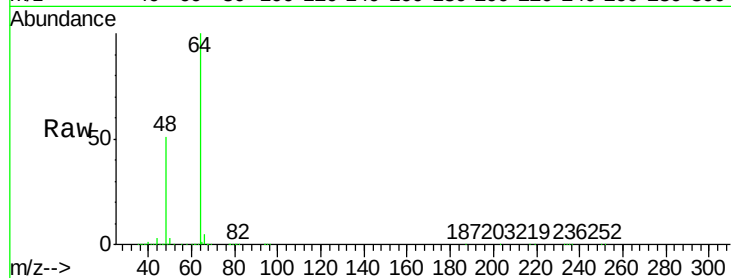
M2-T4B-UV(PRE)

Tot Ion: 94 Resp: 339

Ion Ratio Lower Upper

94 100

96 42.5 73.9 110.9#



#11

Tert butyl alcohol

Concen: 1.911 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007797.D

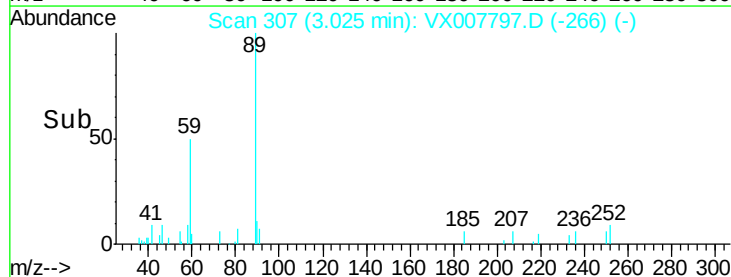
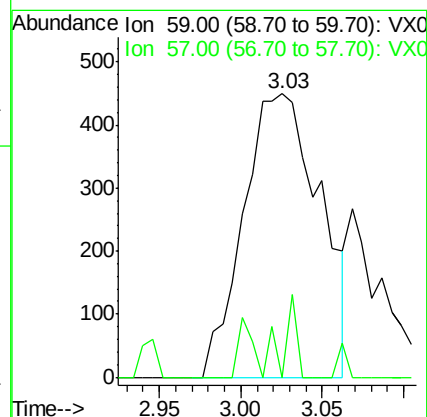
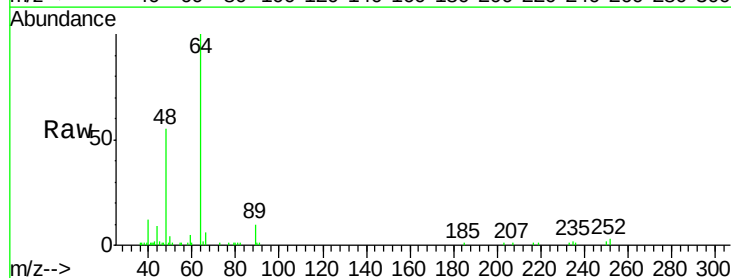
Acq: 01 Mar 2019 18:33

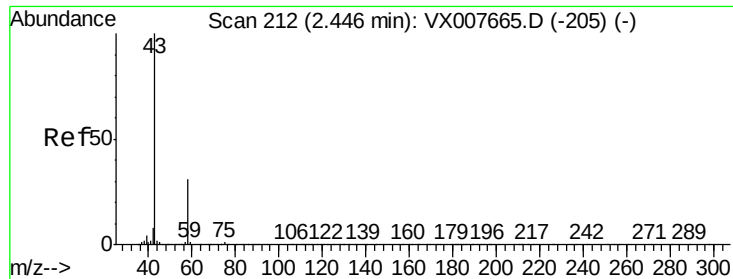
Tgt Ion: 59 Resp: 1462

Ion Ratio Lower Upper

59 100

57 5.3 8.1 12.1#





#16

Acetone

Concen: 1.753 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

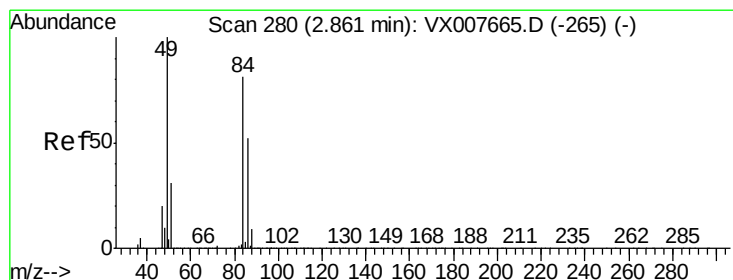
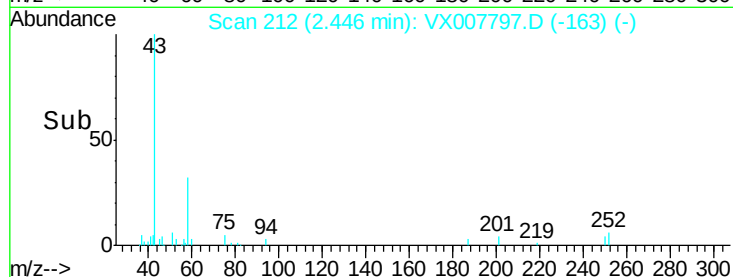
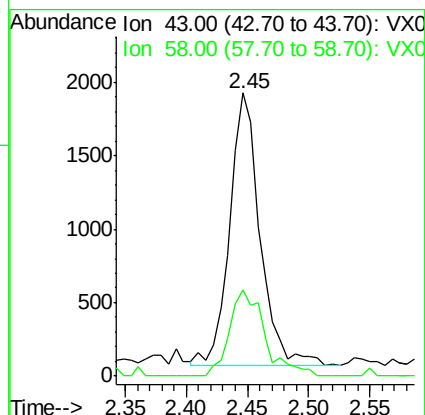
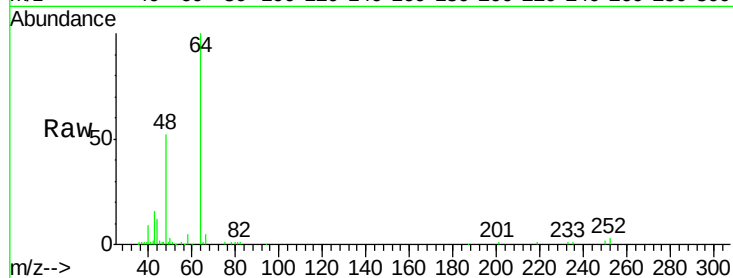
M2-T4B-UV(PRE)

Tot Ion: 43 Resp: 3143

Ion Ratio Lower Upper

43 100

58 31.9 24.9 37.3



#20

Methylene Chloride

Concen: 0.221 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

Tgt Ion: 84 Resp: 732

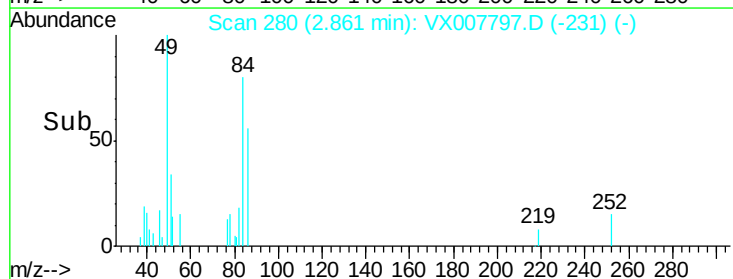
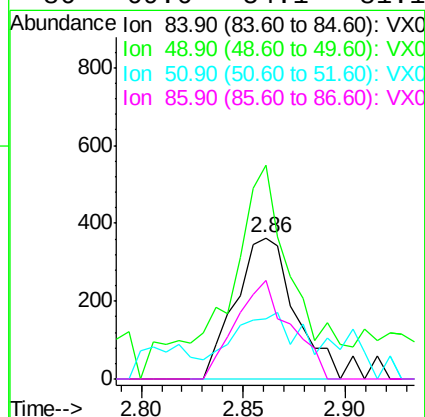
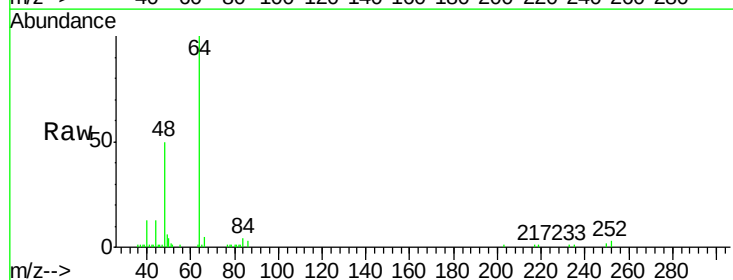
Ion Ratio Lower Upper

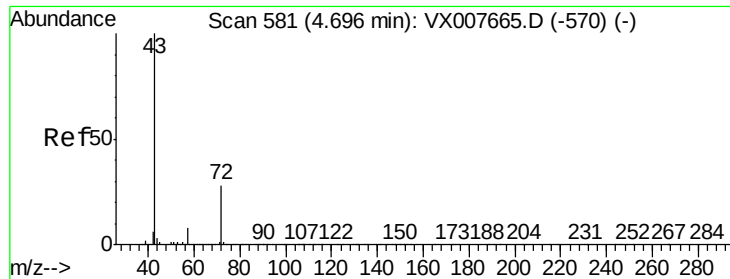
84 100

49 127.1 94.8 142.2

51 26.8 29.8 44.8#

86 69.6 54.1 81.1





#25

2-Butanone

Concen: 0.772 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

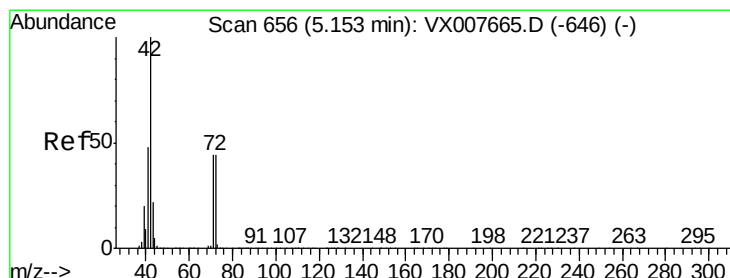
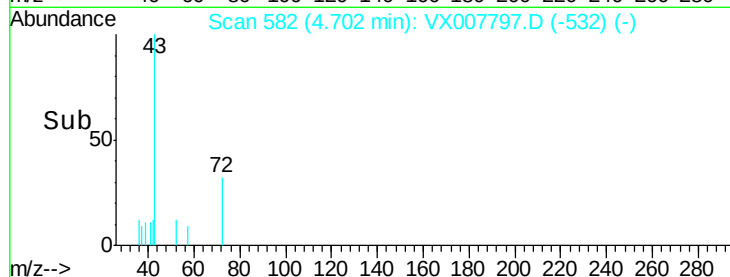
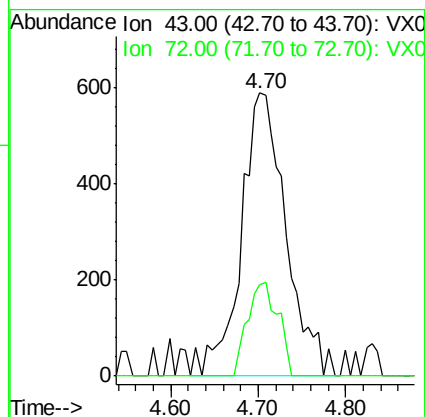
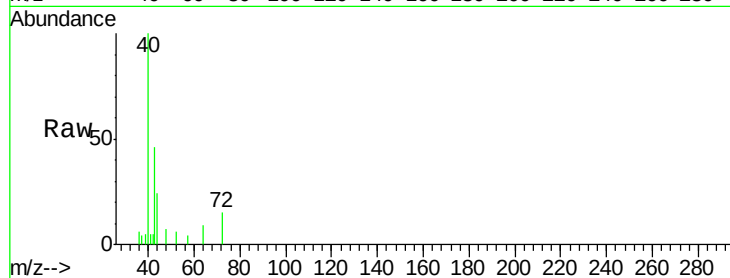
M2-T4B-UV(PRE)

Tot Ion: 43 Resp: 2109

Ion Ratio Lower Upper

43 100

72 32.1 22.2 33.2



#29

Tetrahydrofuran

Concen: 1.909 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

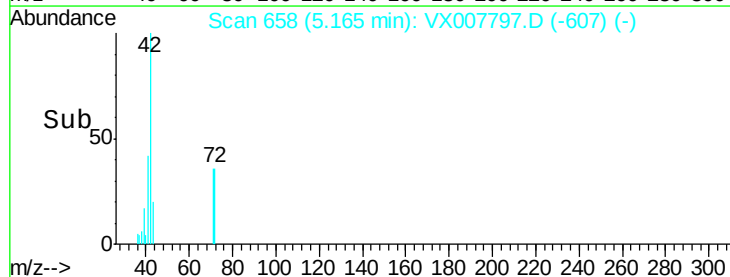
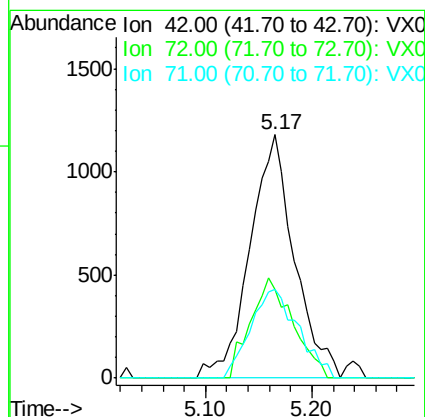
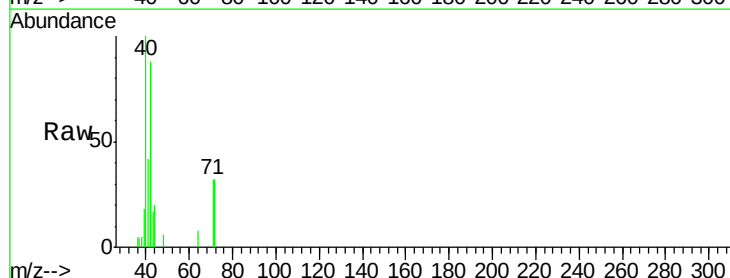
Tgt Ion: 42 Resp: 3437

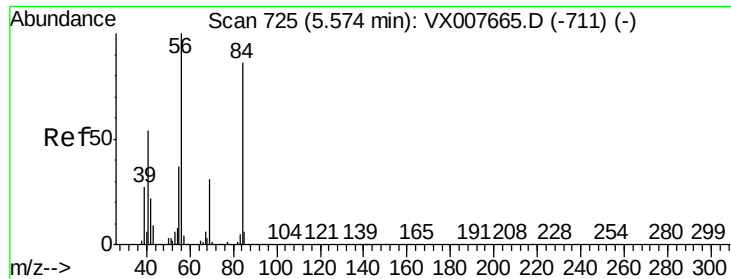
Ion Ratio Lower Upper

42 100

72 39.3 37.6 56.4

71 39.2 34.6 51.8

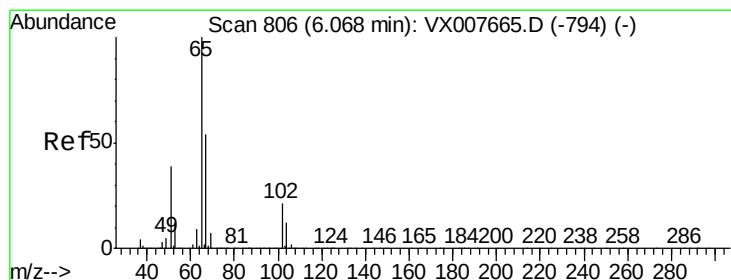
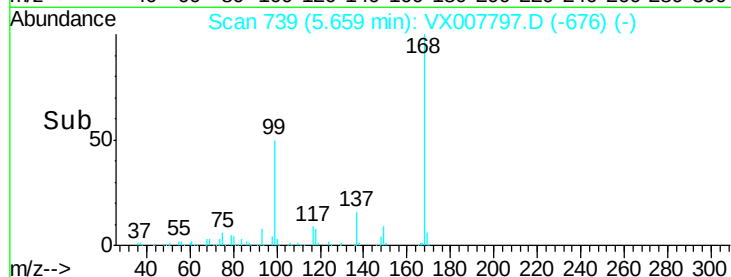
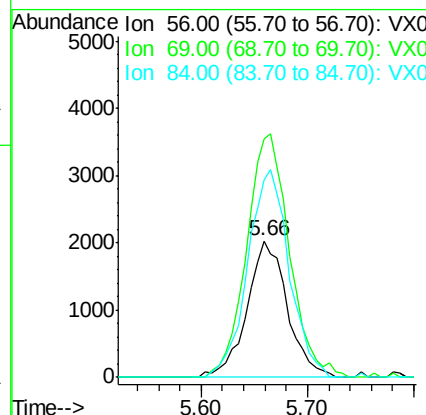
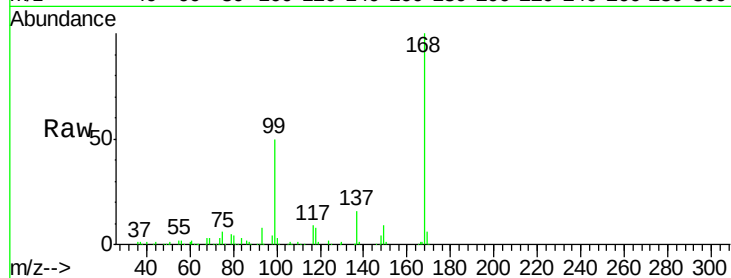




#31
Cyclohexane
Concen: 0.960 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007797.D
Acq: 01 Mar 2019 18:33

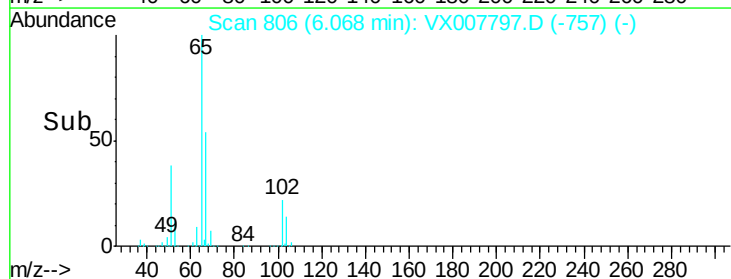
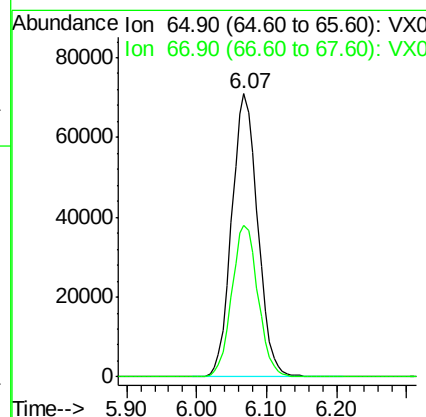
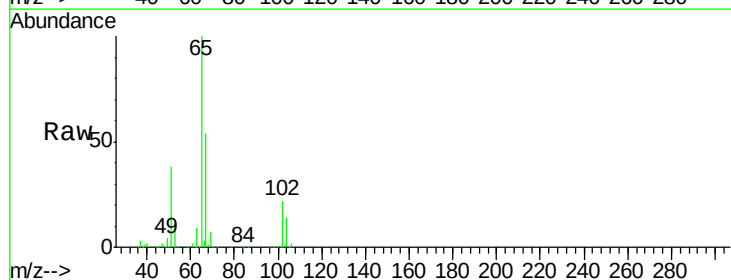
Instrument :
MSVOA_X
ClientSampleId :
M2-T4B-UV(PRE)

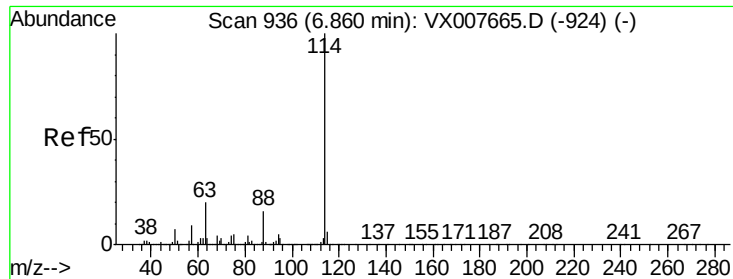
Tot Ion: 56 Resp: 5378
Ion Ratio Lower Upper
56 100
69 175.1 23.0 34.6#
84 145.2 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 45.548 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007797.D
Acq: 01 Mar 2019 18:33

Tgt Ion: 65 Resp: 183666
Ion Ratio Lower Upper
65 100
67 54.1 0.0 108.8

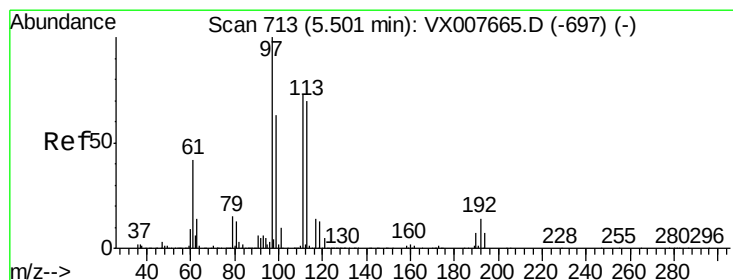
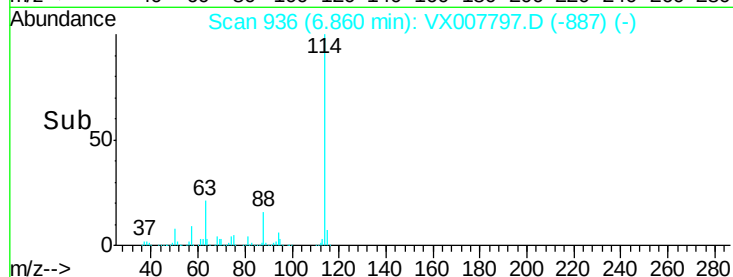
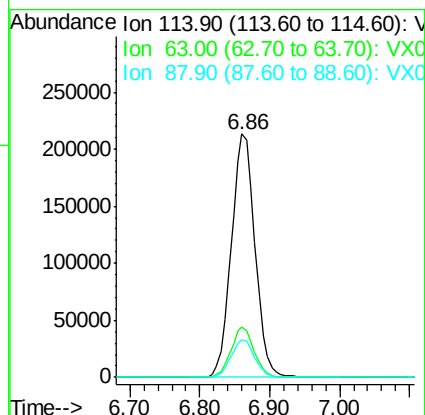
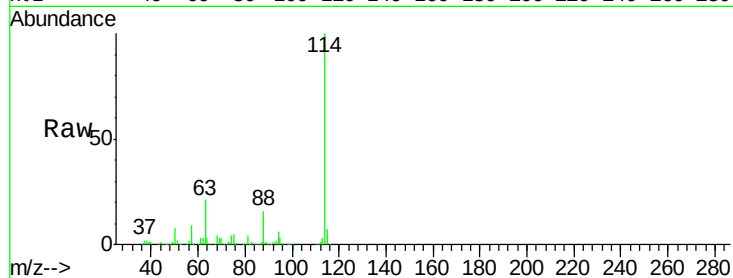




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007797.D
 Acq: 01 Mar 2019 18:33

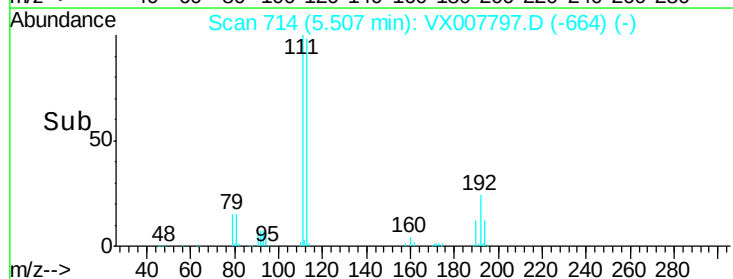
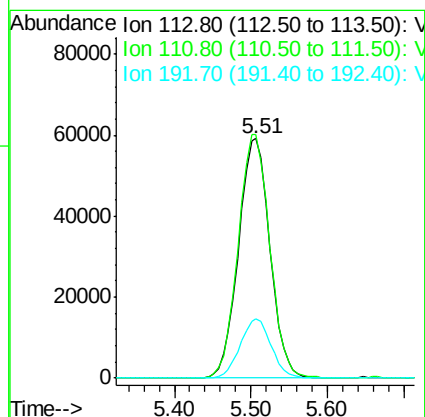
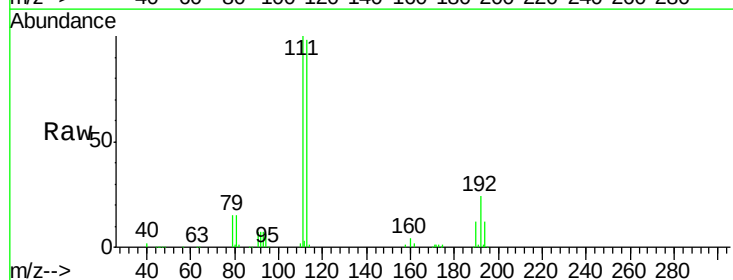
Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T4B-UV(PRE)

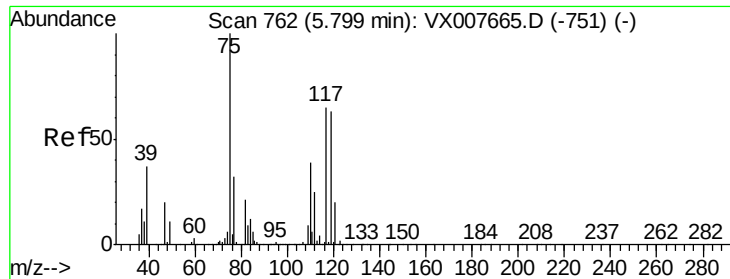
Tot Ion:114 Resp: 500775
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 35.6
 88 15.6 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 50.313 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007797.D
 Acq: 01 Mar 2019 18:33

Tgt Ion:113 Resp: 168425
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.8
 192 24.3 18.5 27.7





#36

1,1-Dichloropropene

Concen: 4.594 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

M2-T4B-UV(PRE)

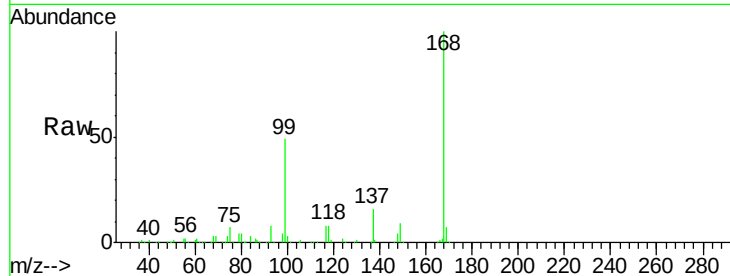
Tot Ion: 75 Resp: 20685

Ion Ratio Lower Upper

75 100

110 9.3 20.0 59.9#

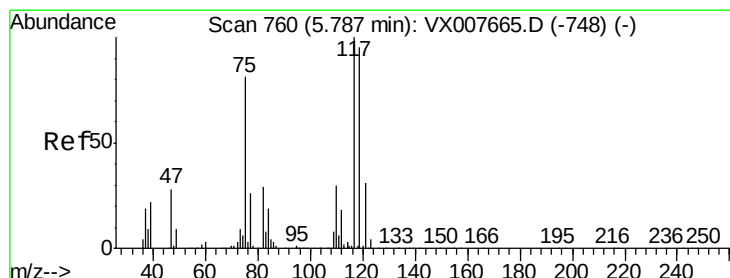
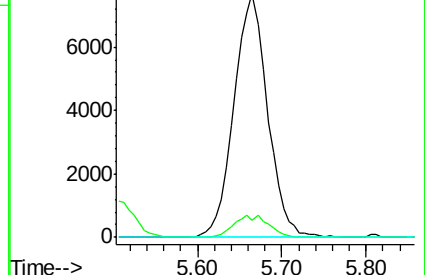
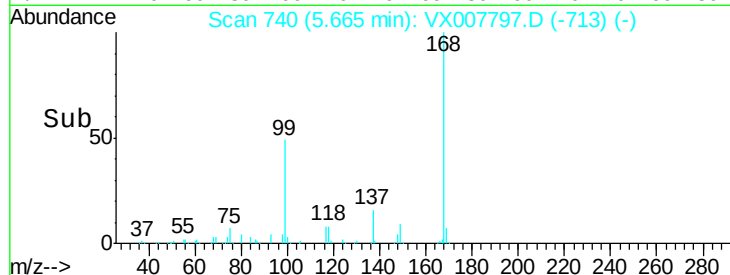
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX007797.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX007797.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX007797.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.191 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

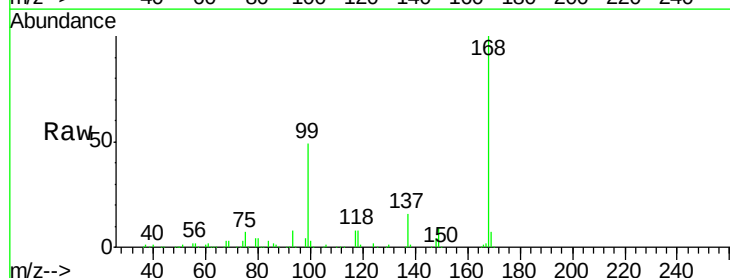
Tgt Ion: 117 Resp: 27997

Ion Ratio Lower Upper

117 100

119 6.6 75.3 112.9#

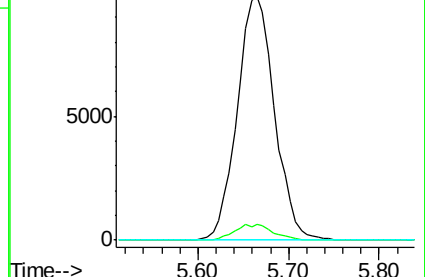
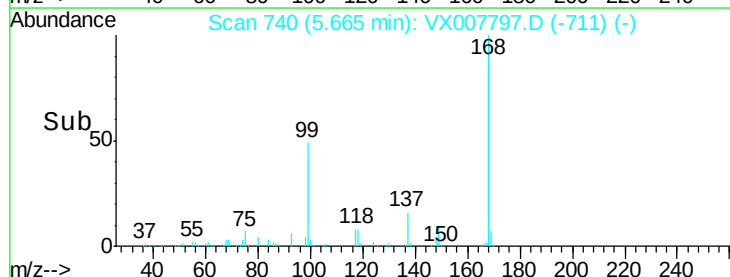
121 0.0 25.0 37.4#

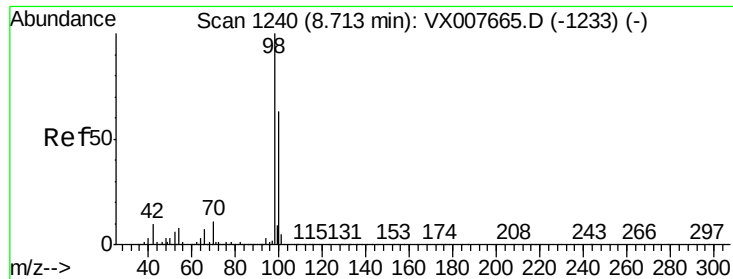


Abundance Ion 116.80 (116.50 to 117.50): VX007797.D (-711) (-)

Ion 118.80 (118.50 to 119.50): VX007797.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX007797.D (-711) (-)

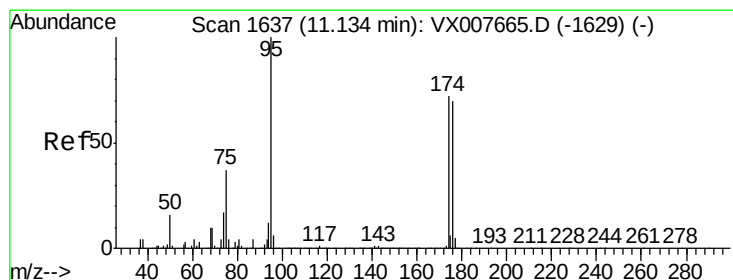
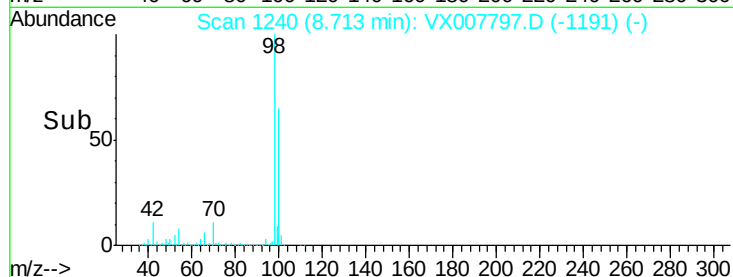
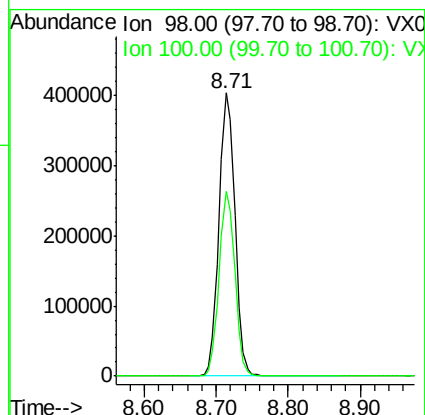
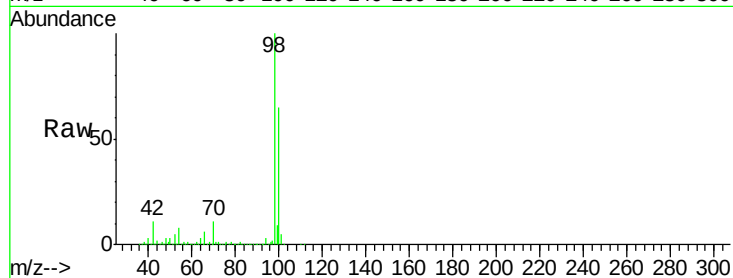




#50
Toluene-d8
Concen: 48.243 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007797.D
Acq: 01 Mar 2019 18:33

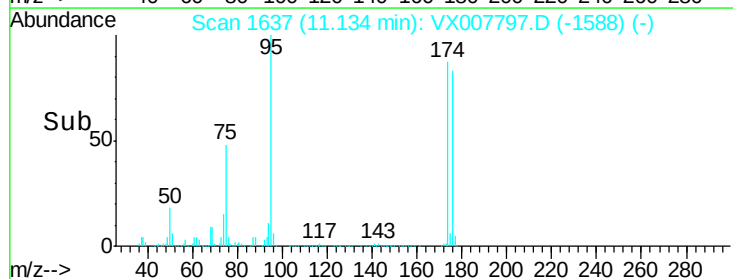
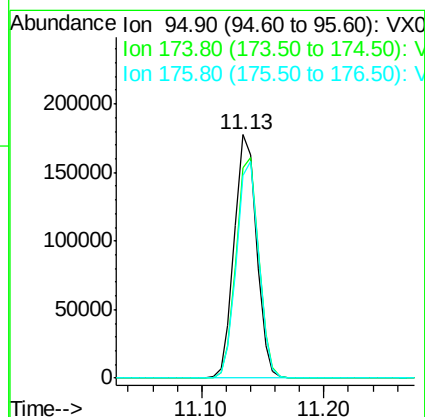
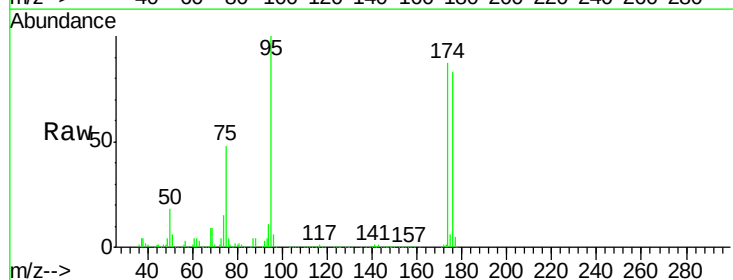
Instrument :
MSVOA_X
ClientSampleId :
M2-T4B-UV(PRE)

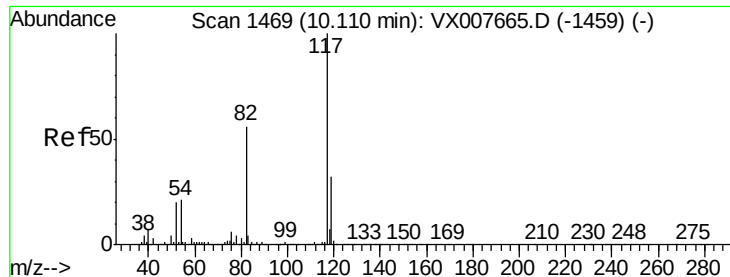
Tot Ion: 98 Resp: 618260
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.441 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007797.D
Acq: 01 Mar 2019 18:33

Tgt Ion: 95 Resp: 223152
Ion Ratio Lower Upper
95 100
174 92.2 0.0 189.2
176 89.1 0.0 186.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

M2-T4B-UV(PRE)

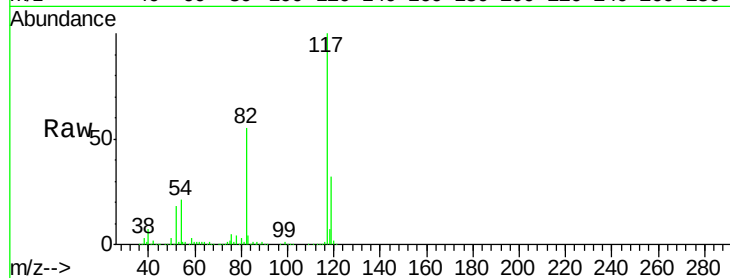
Tot Ion:117 Resp: 477305

Ion Ratio Lower Upper

117 100

82 55.0 42.1 63.1

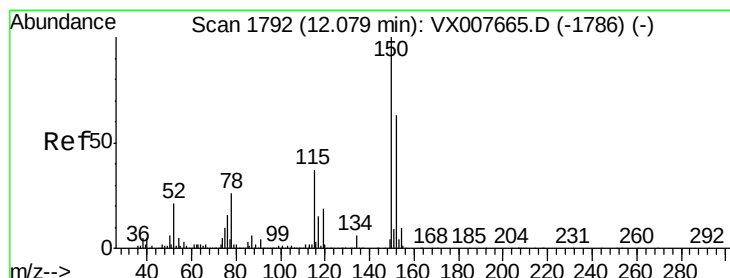
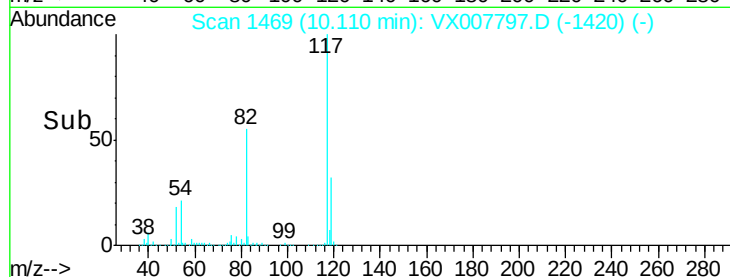
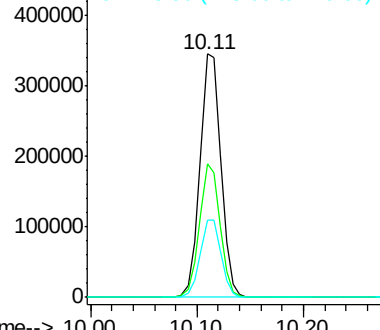
119 31.8 26.5 39.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX007797.D

Acq: 01 Mar 2019 18:33

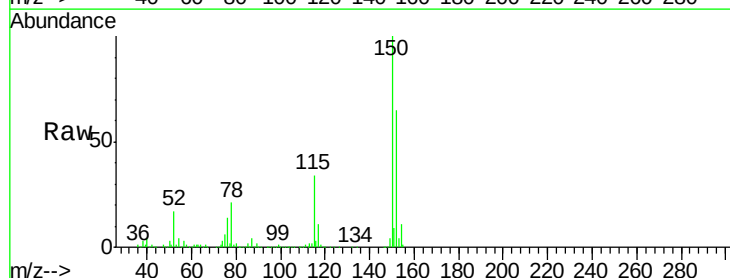
Tgt Ion:152 Resp: 227020

Ion Ratio Lower Upper

152 100

115 54.9 38.0 114.0

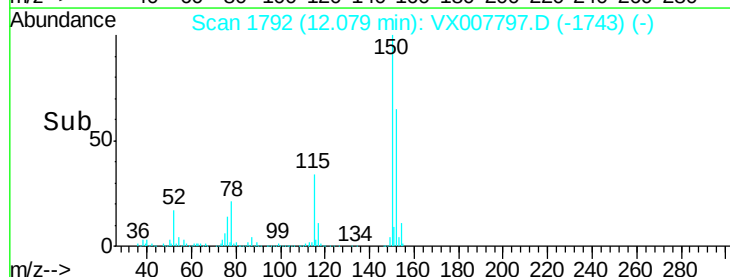
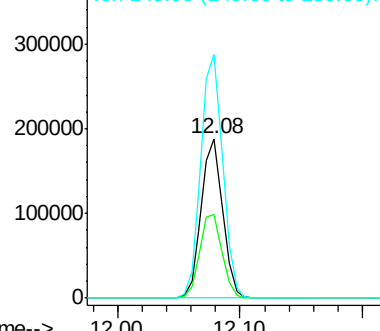
150 156.4 0.0 346.4

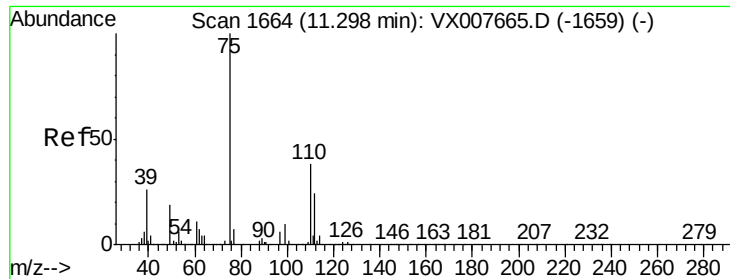


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.700 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

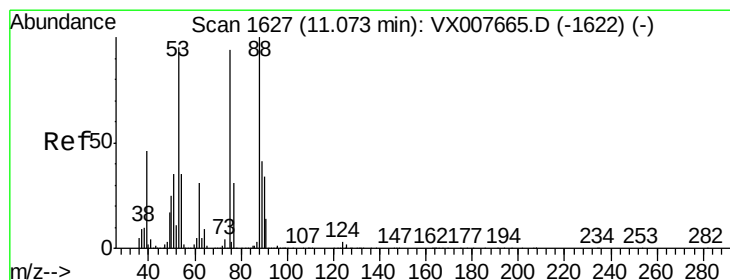
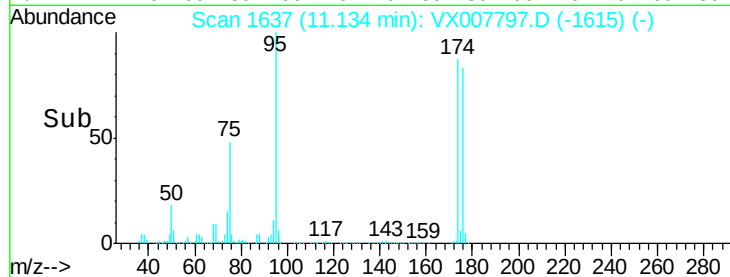
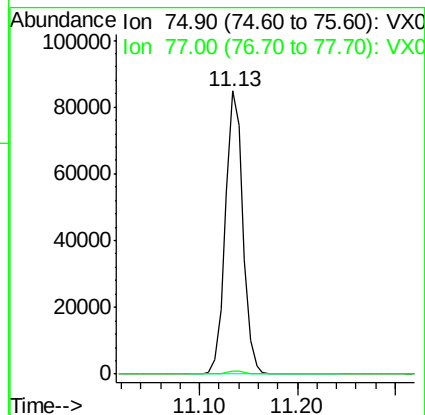
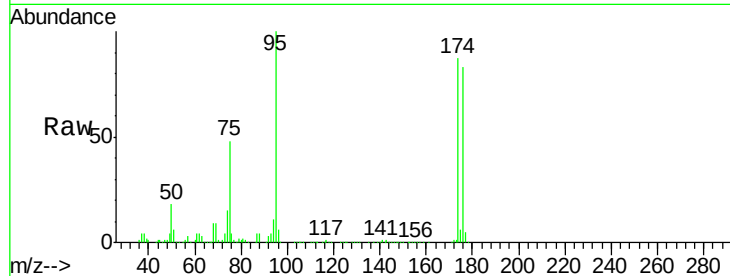
M2-T4B-UV(PRE)

Tot Ion: 75 Resp: 105005

Ion Ratio Lower Upper

75 100

77 1.3 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.658 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007797.D

Acq: 01 Mar 2019 18:33

Tgt Ion: 75 Resp: 105005

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

