

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030119\
 Data File : VX007796.D
 Acq On : 01 Mar 2019 18:06
 Operator : JC/SP
 Sample : K1701-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T4A-UV(PRE)

Quant Time: Mar 01 22:21:32 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	323184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	500851	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	470758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221218	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	183366	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	
35) Dibromofluoromethane	5.51	113	167950	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
50) Toluene-d8	8.71	98	608223	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
62) 4-Bromofluorobenzene	11.13	95	217864	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	

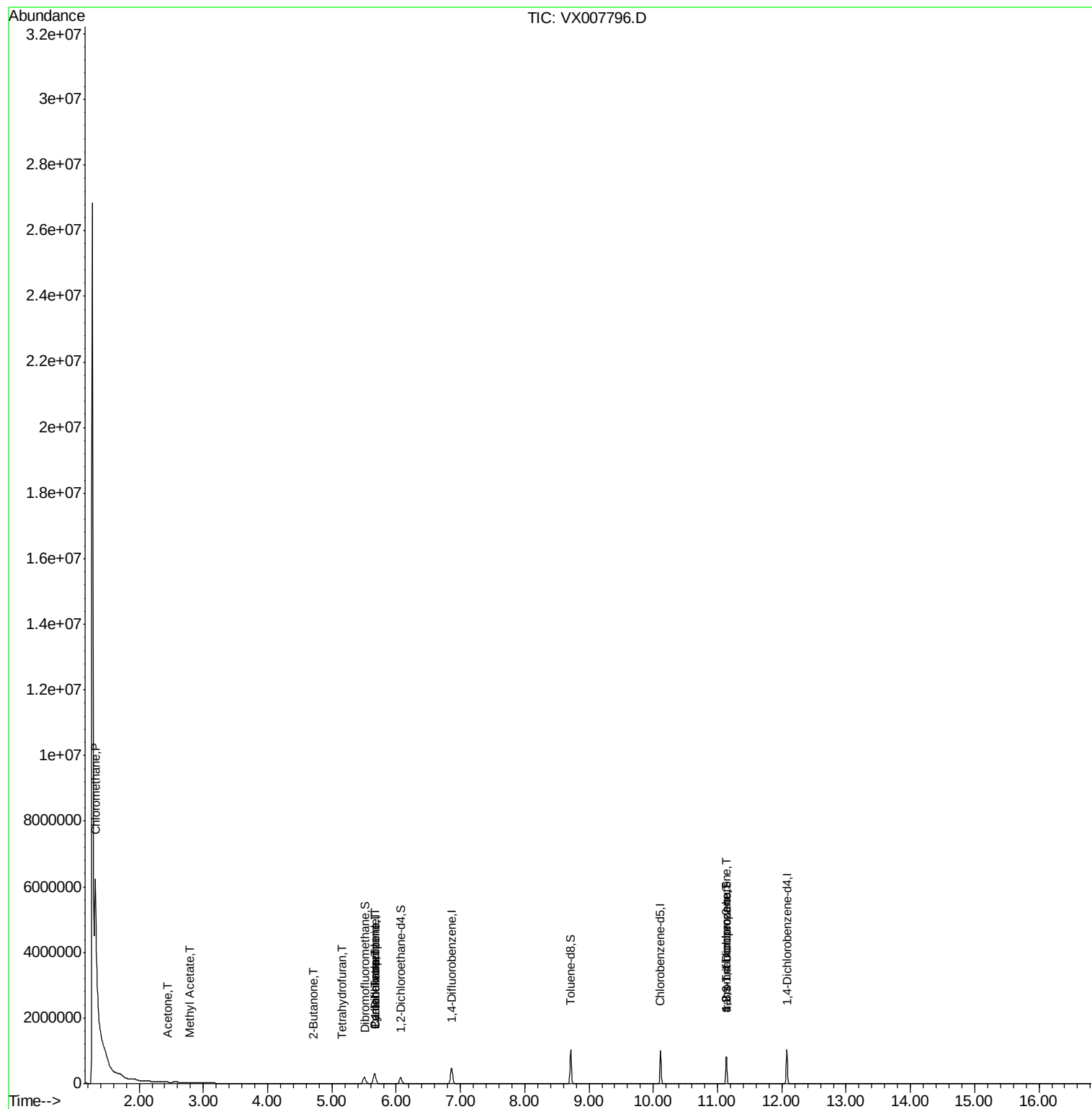
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	388546	117.773	ug/l #	43
5) Bromomethane	1.65	94	558	Below Cal		97
16) Acetone	2.45	43	2783	1.563	ug/l	99
18) Methyl Acetate	2.78	43	977	0.252	ug/l #	82
25) 2-Butanone	4.71	43	2302	0.849	ug/l #	88
29) Tetrahydrofuran	5.16	42	3978	2.225	ug/l	91
31) Cyclohexane	5.67	56	5217	0.938	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20582	4.571	ug/l #	47
38) Carbon Tetrachloride	5.67	117	27532	6.087	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	102597	21.758	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	102597	57.806	ug/l #	9

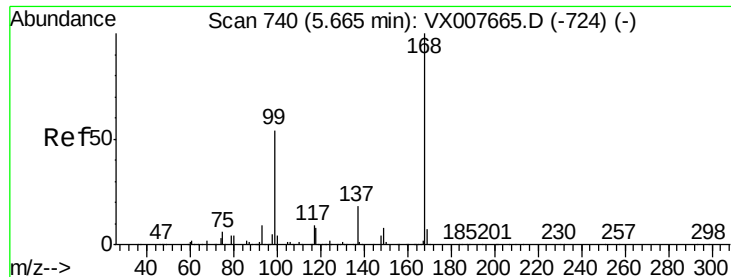
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007796.D

Acq: 01 Mar 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

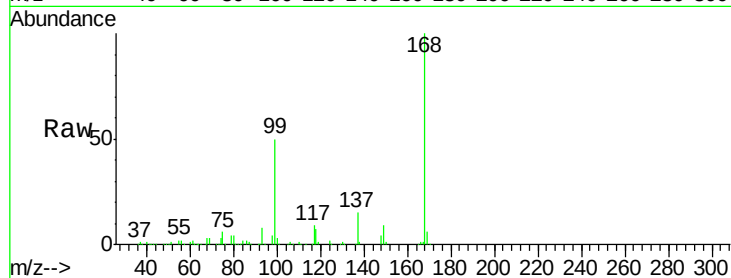
M2-T4A-UV(PRE)

Tot Ion:168 Resp: 323184

Ion Ratio Lower Upper

168 100

99 49.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

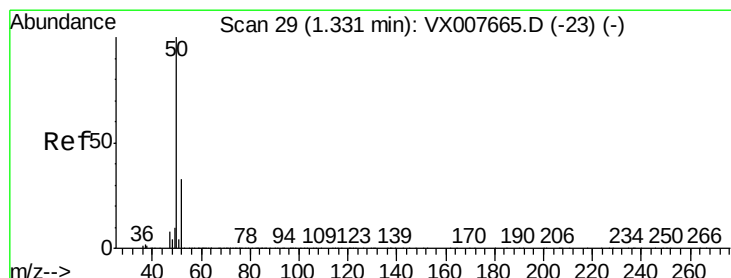
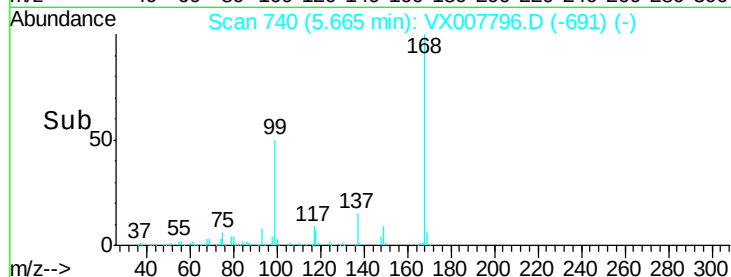
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 117.773 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX007796.D

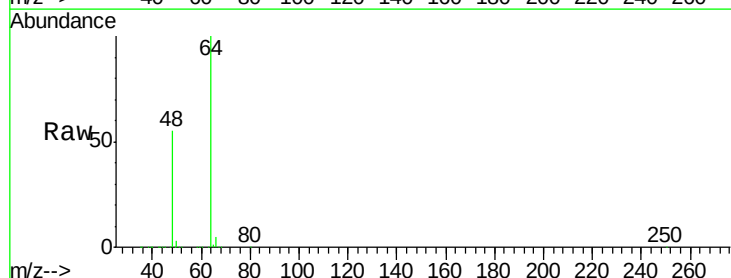
Acq: 01 Mar 2019 18:06

Tgt Ion: 50 Resp: 388546

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

800000

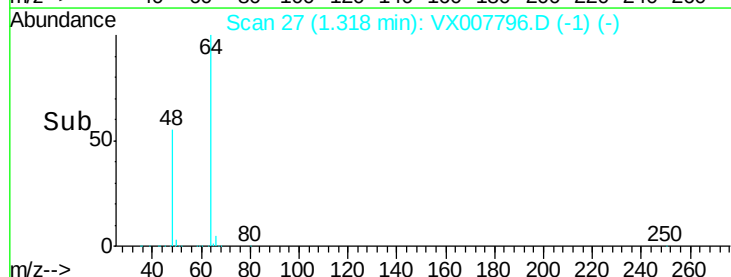
600000

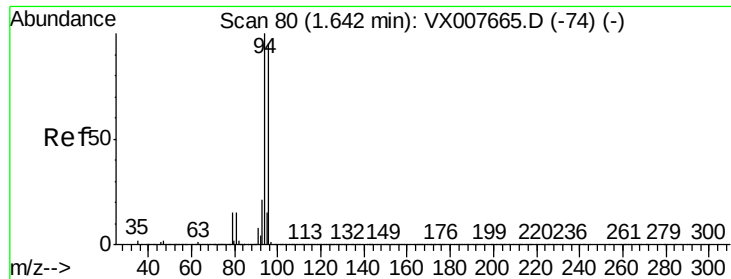
400000

200000

0

Time--> 1.20 1.40 1.60





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007796.D

Acq: 01 Mar 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

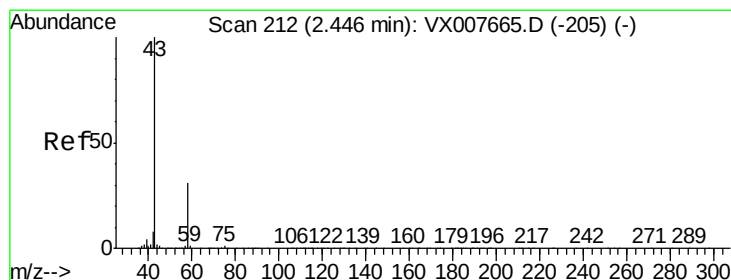
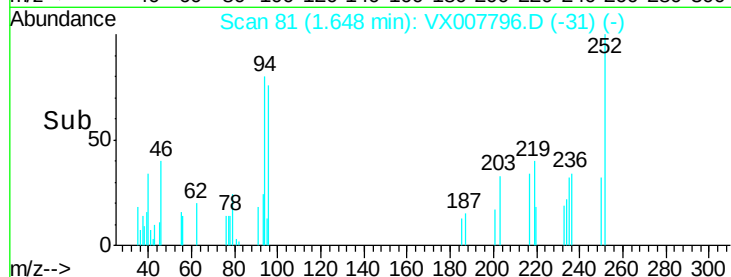
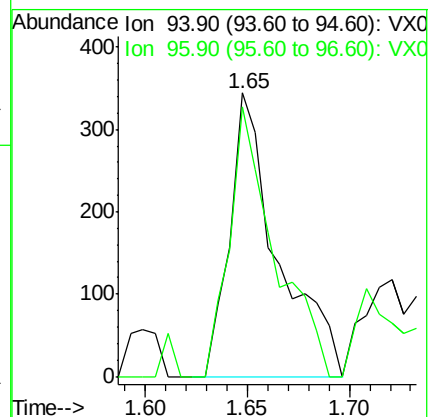
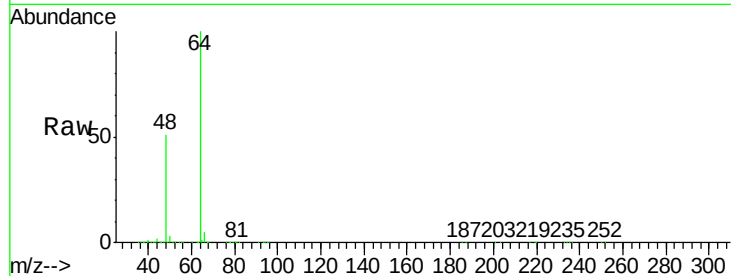
M2-T4A-UV(PRE)

Tot Ion: 94 Resp: 558

Ion Ratio Lower Upper

94 100

96 95.3 73.9 110.9



#16

Acetone

Concen: 1.563 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007796.D

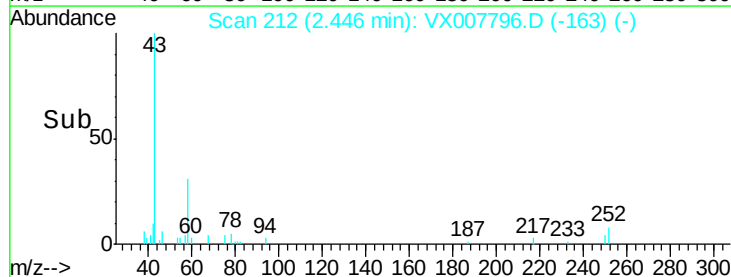
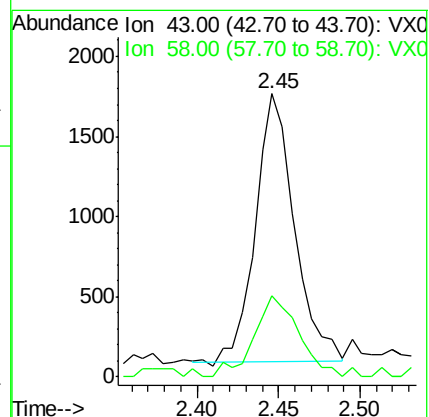
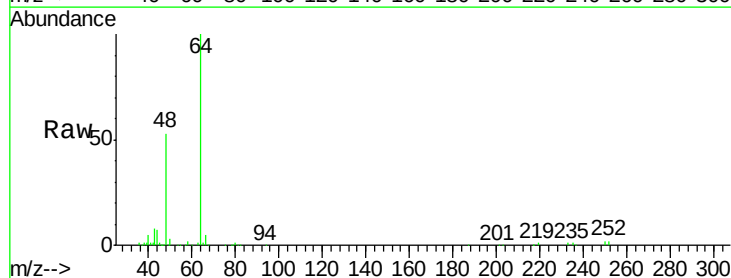
Acq: 01 Mar 2019 18:06

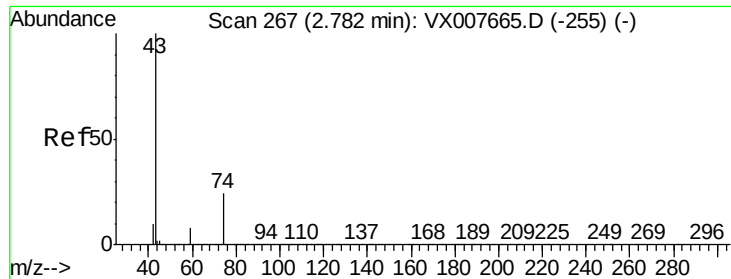
Tgt Ion: 43 Resp: 2783

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3

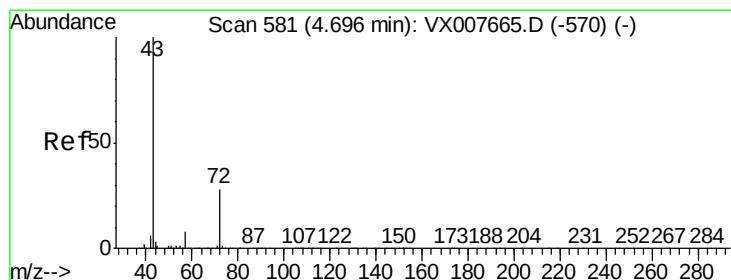
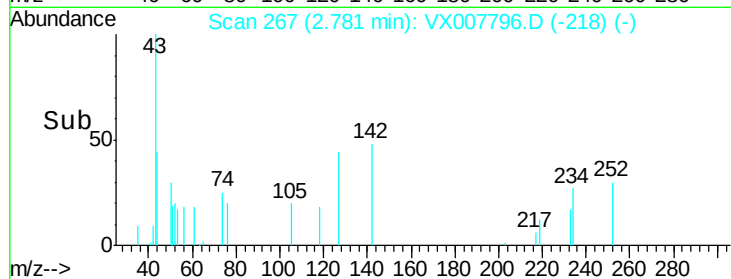
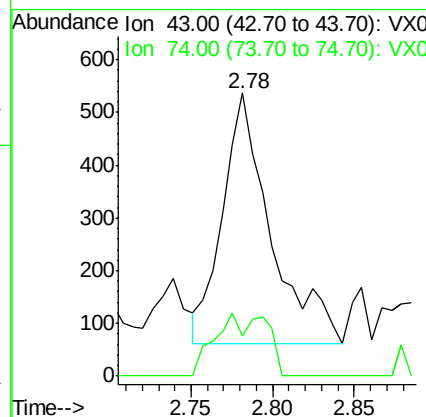
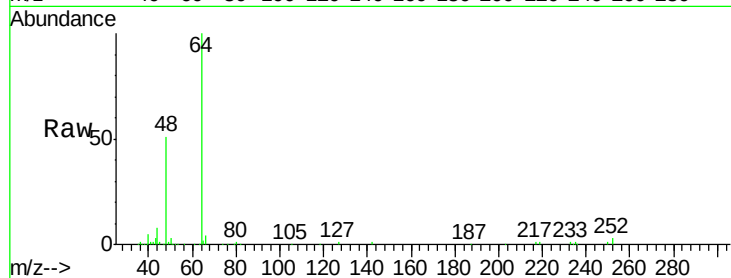




#18
Methyl Acetate
Concen: 0.252 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007796.D
Acq: 01 Mar 2019 18:06

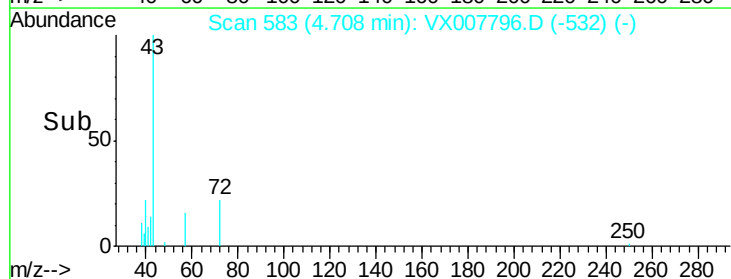
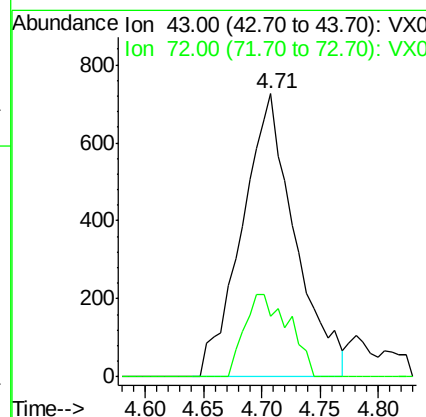
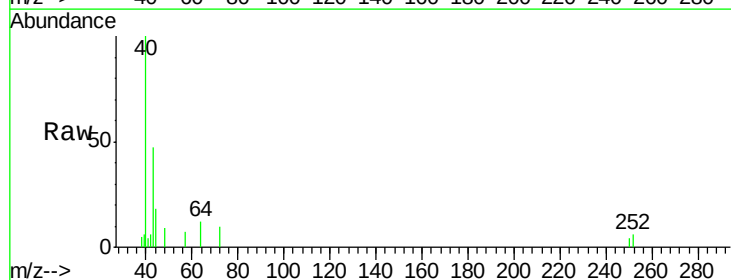
Instrument :
MSVOA_X
ClientSampleId :
M2-T4A-UV(PRE)

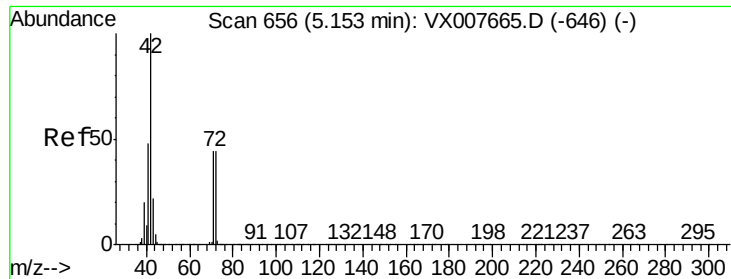
Tot Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
74 15.3 19.4 29.2#



#25
2-Butanone
Concen: 0.849 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX007796.D
Acq: 01 Mar 2019 18:06

Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
72 21.6 22.2 33.2#

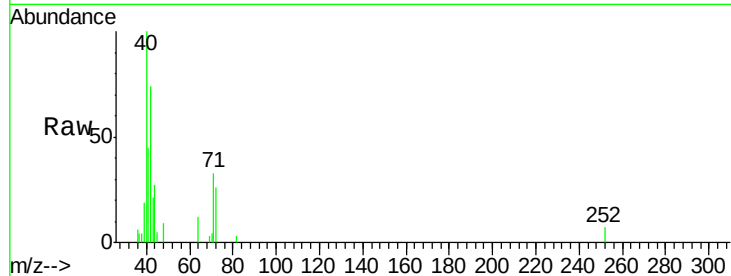




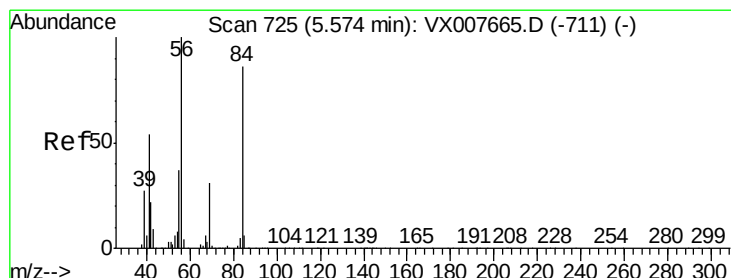
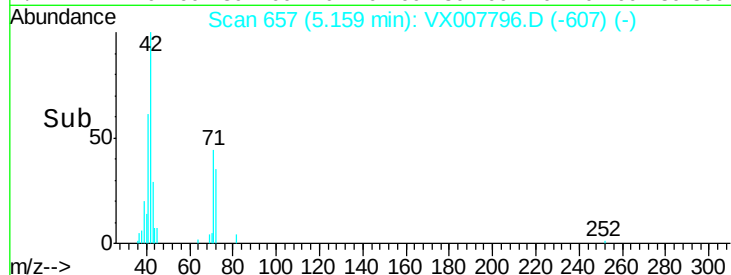
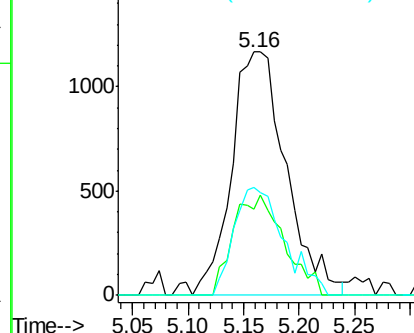
#29
Tetrahydrofuran
Concen: 2.225 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007796.D
Acq: 01 Mar 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
M2-T4A-UV(PRE)

Tot Ion: 42 Resp: 3978
Ion Ratio Lower Upper
42 100
72 38.2 37.6 56.4
71 40.7 34.6 51.8

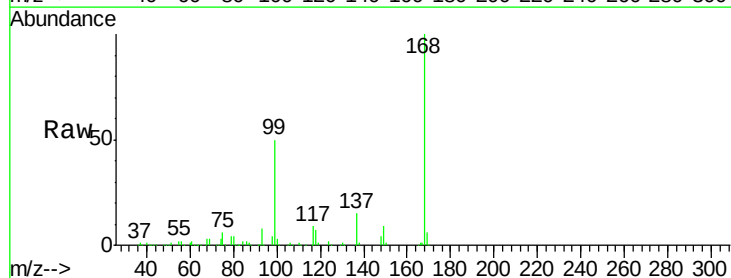


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

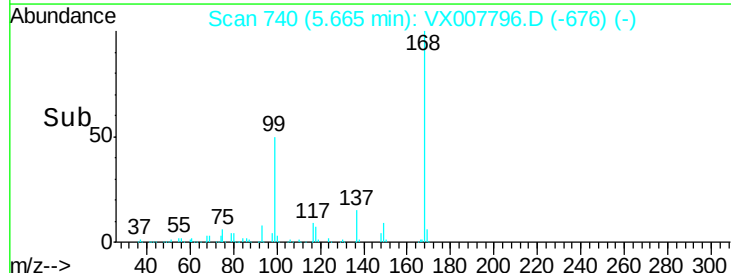
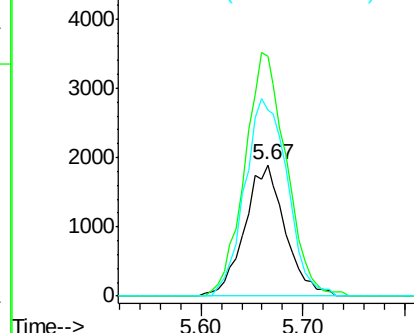


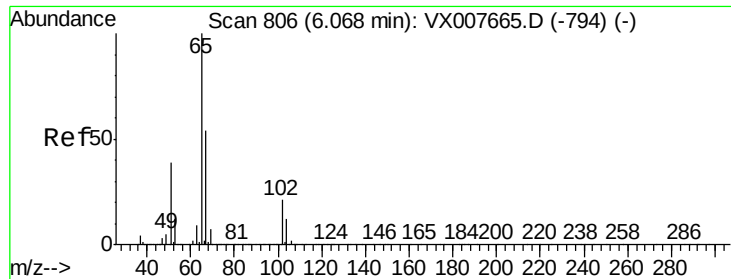
#31
Cyclohexane
Concen: 0.938 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007796.D
Acq: 01 Mar 2019 18:06

Tgt Ion: 56 Resp: 5217
Ion Ratio Lower Upper
56 100
69 183.4 23.0 34.6#
84 142.0 69.8 104.6#



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

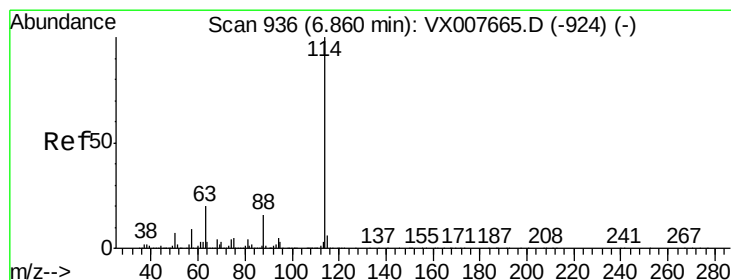
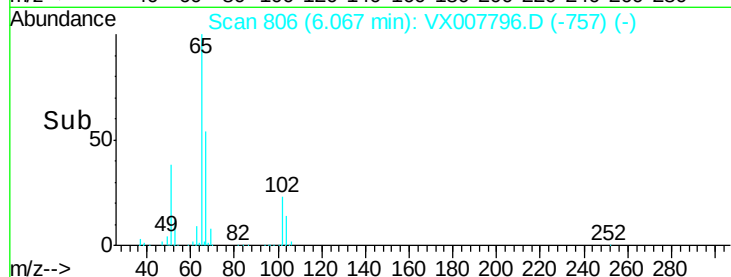
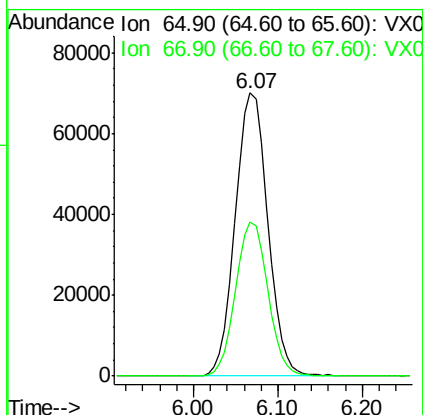
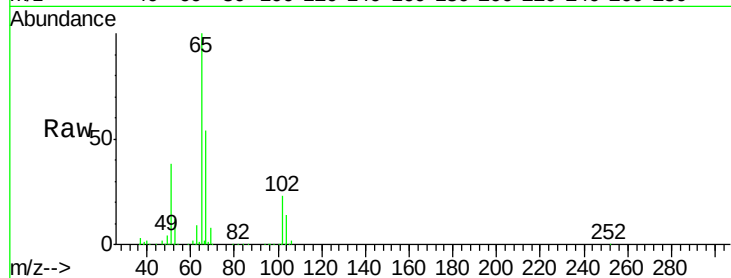




#33
 1,2-Dichloroethane-d4
 Concen: 45.805 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007796.D
 Acq: 01 Mar 2019 18:06

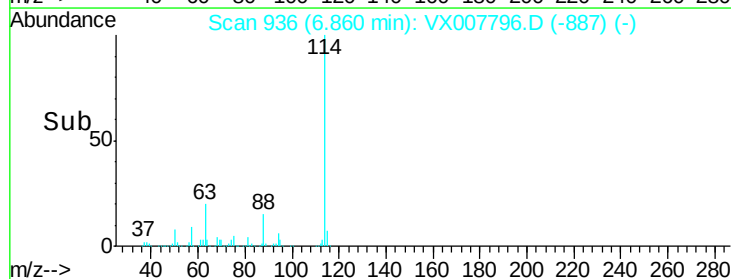
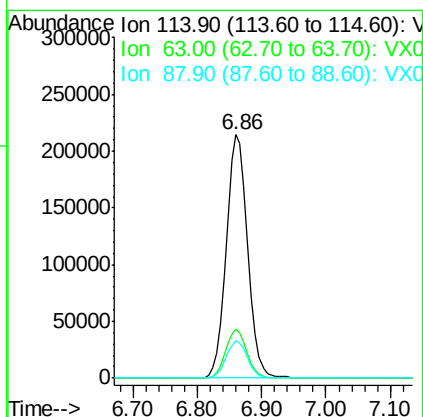
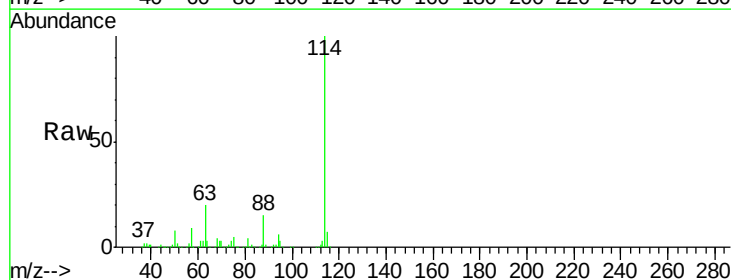
Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T4A-UV(PRE)

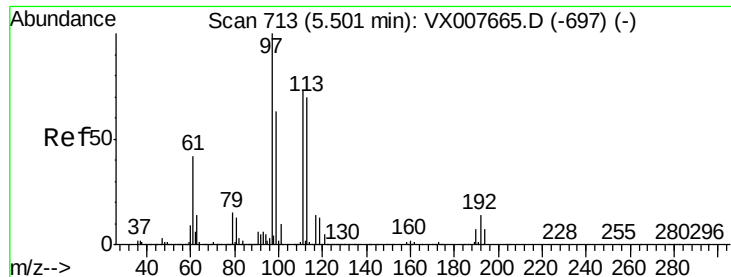
Tot Ion: 65 Resp: 183366
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007796.D
 Acq: 01 Mar 2019 18:06

Tgt Ion: 114 Resp: 500851
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 35.6
 88 15.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.164 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007796.D

Acq: 01 Mar 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

M2-T4A-UV(PRE)

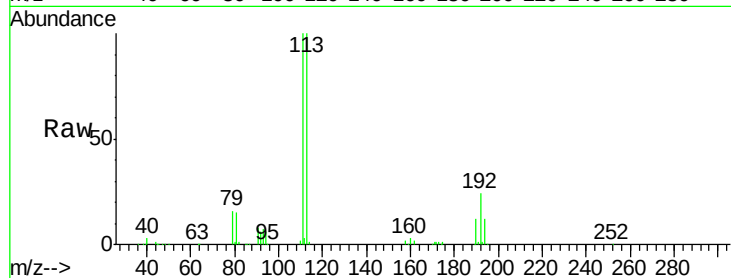
Tot Ion:113 Resp: 167950

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

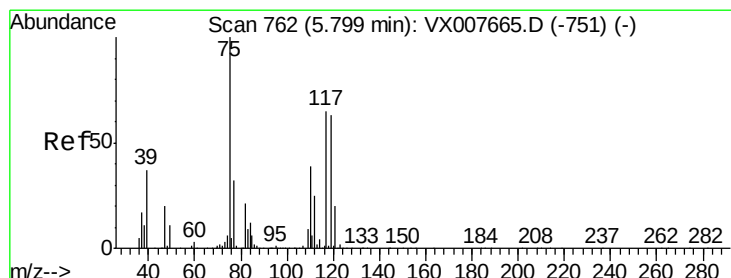
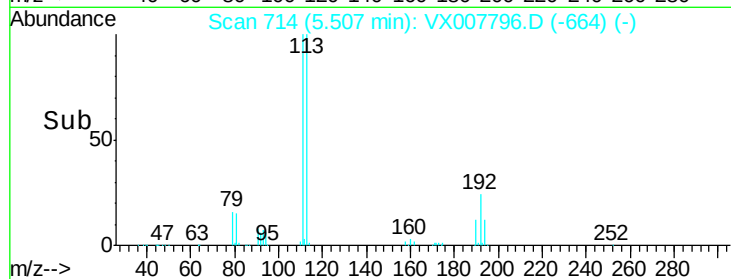
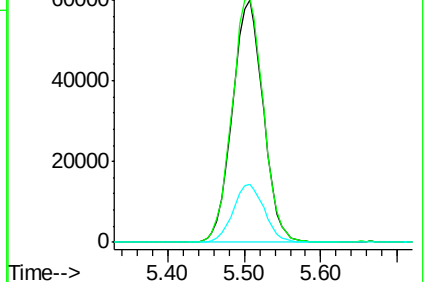
192 24.1 18.5 27.7



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: 4.571 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007796.D

Acq: 01 Mar 2019 18:06

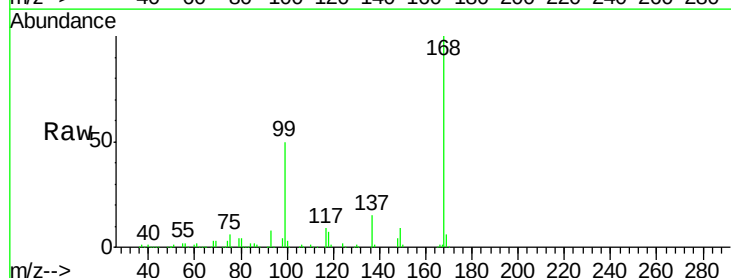
Tgt Ion: 75 Resp: 20582

Ion Ratio Lower Upper

75 100

110 9.0 20.0 59.9#

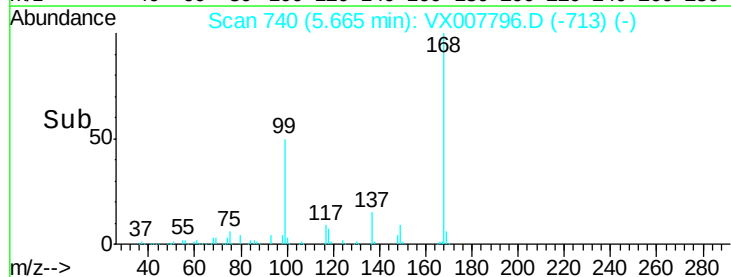
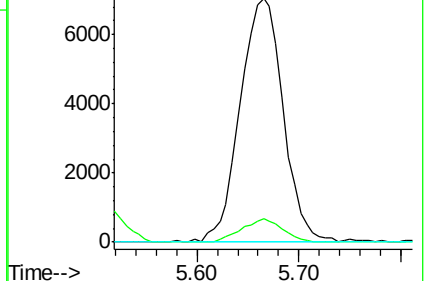
77 0.0 24.7 37.1#

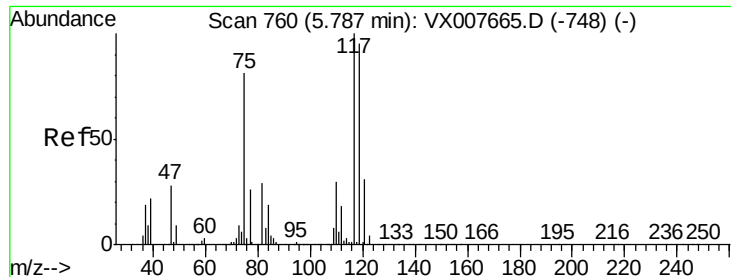


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

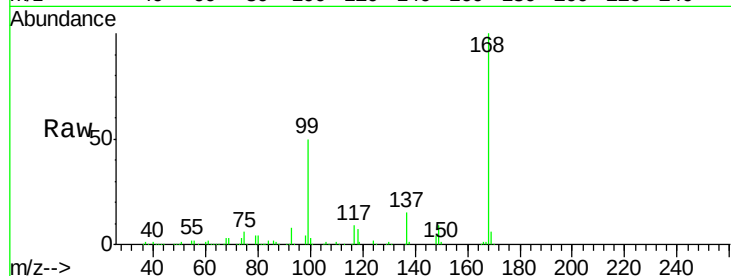




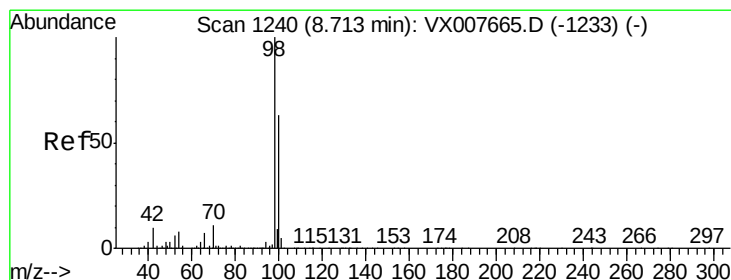
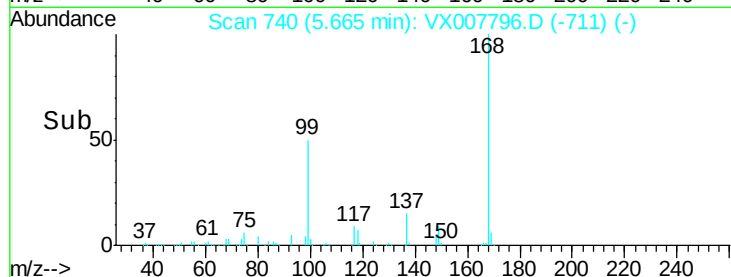
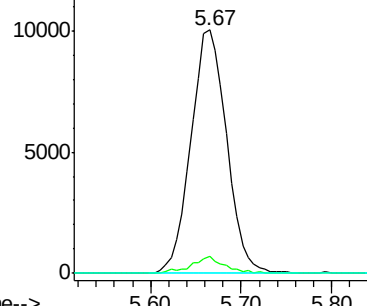
#38
Carbon Tetrachloride
Concen: 6.087 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX007796.D
Acq: 01 Mar 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
M2-T4A-UV(PRE)

Tot Ion:117 Resp: 27532
Ion Ratio Lower Upper
117 100
119 6.8 75.3 112.9#
121 0.0 25.0 37.4#

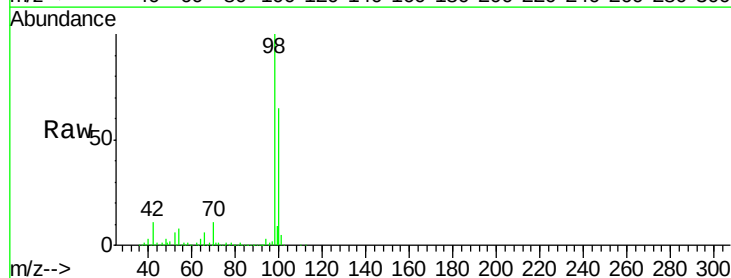


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

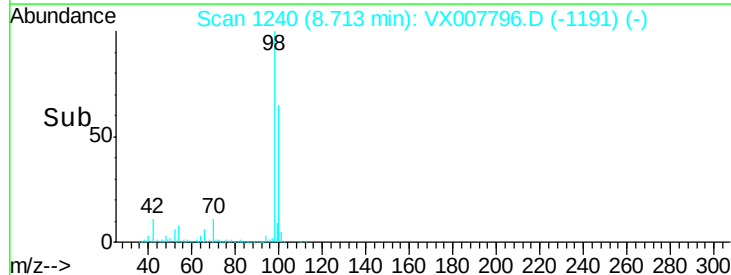
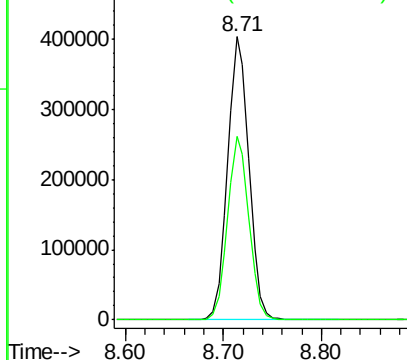


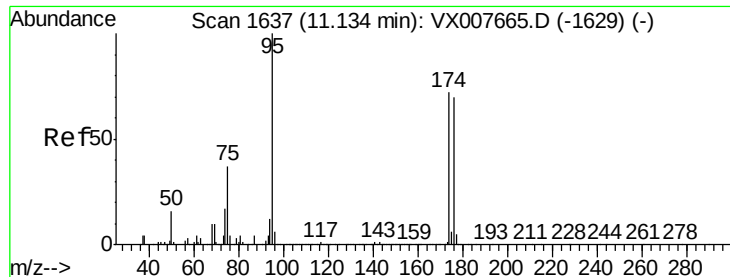
#50
Toluene-d8
Concen: 47.452 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007796.D
Acq: 01 Mar 2019 18:06

Tgt Ion: 98 Resp: 608223
Ion Ratio Lower Upper
98 100
100 65.0 51.6 77.4



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

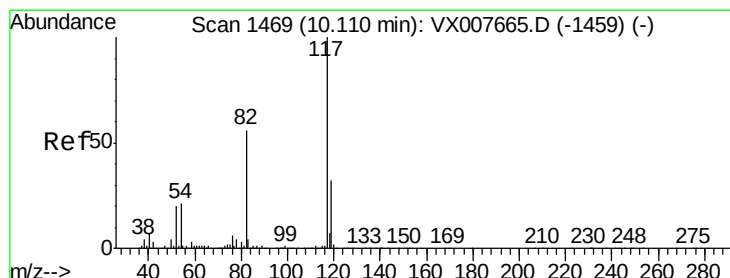
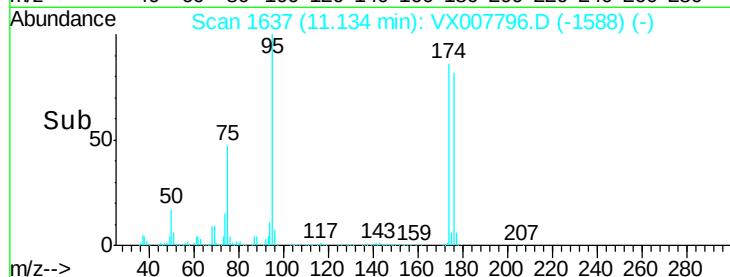
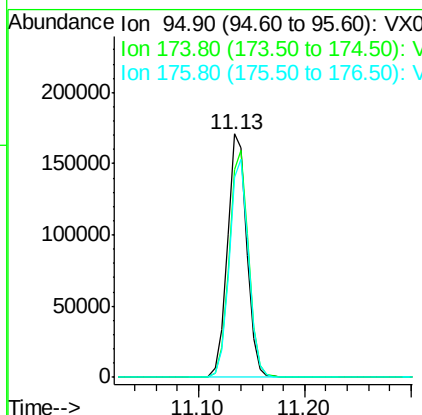
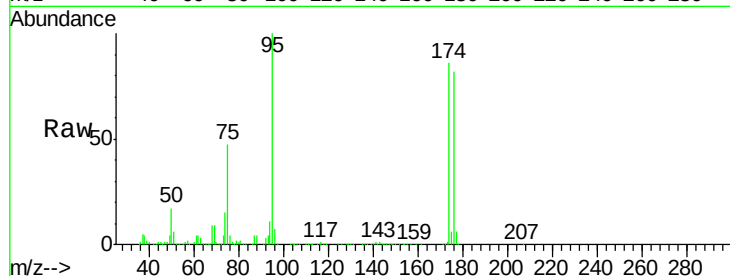




#62
4-Bromofluorobenzene
Concen: 46.310 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007796.D
Acq: 01 Mar 2019 18:06

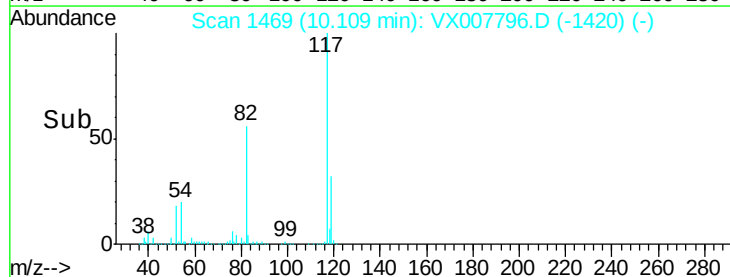
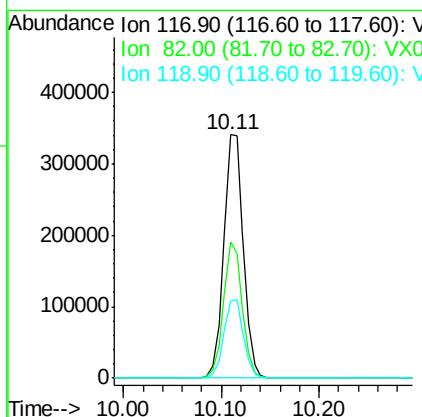
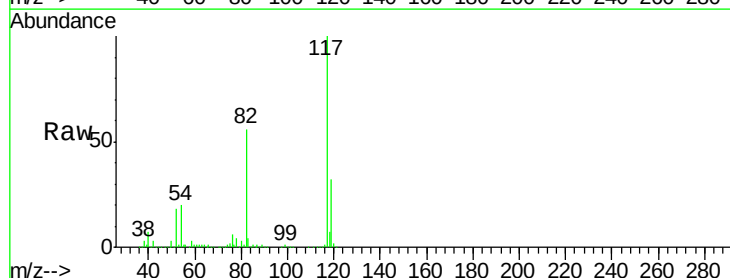
Instrument :
MSVOA_X
ClientSampleId :
M2-T4A-UV(PRE)

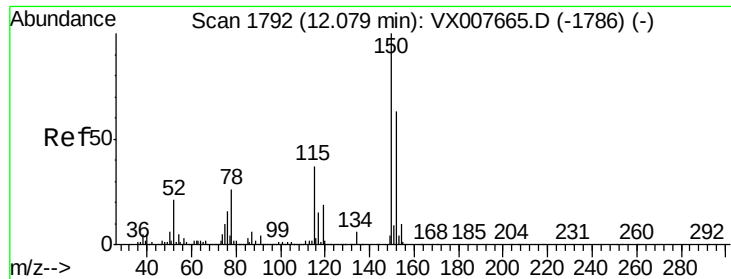
Tot Ion: 95 Resp: 217864
Ion Ratio Lower Upper
95 100
174 93.1 0.0 189.2
176 89.3 0.0 186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007796.D
Acq: 01 Mar 2019 18:06

Tgt Ion: 117 Resp: 470758
Ion Ratio Lower Upper
117 100
82 56.0 42.1 63.1
119 31.8 26.5 39.7



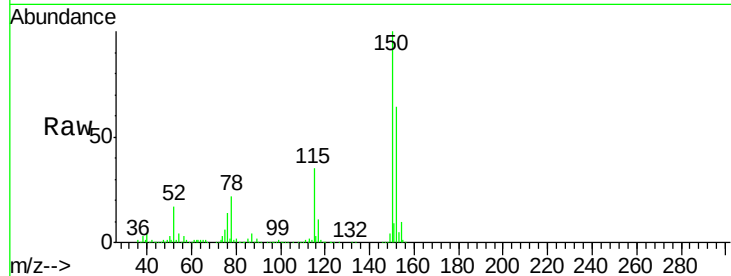


#72

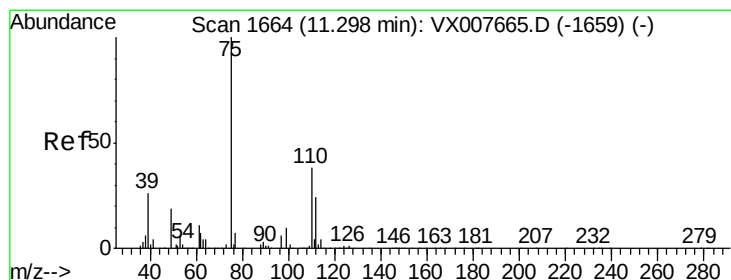
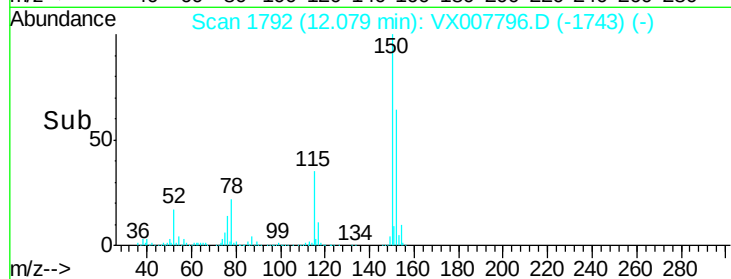
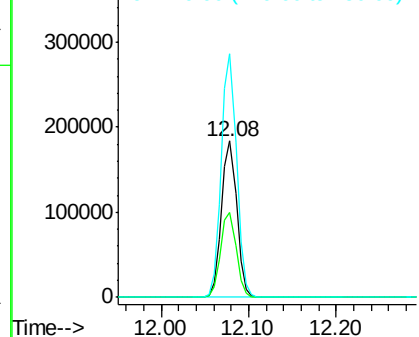
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007796.D
Acq: 01 Mar 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
M2-T4A-UV(PRE)

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.3	38.0	114.0
150	155.5	0.0	346.4



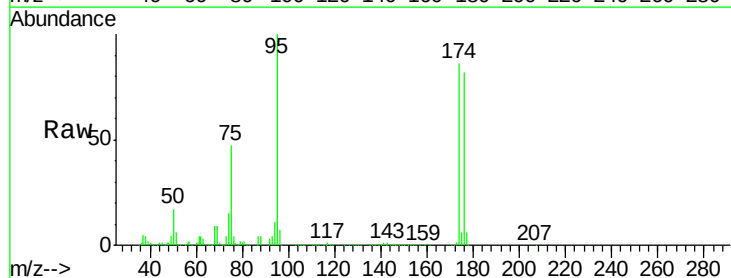
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



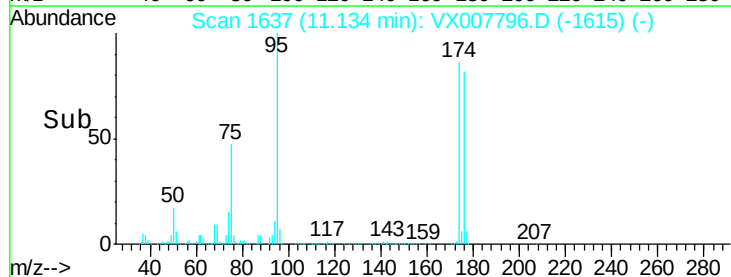
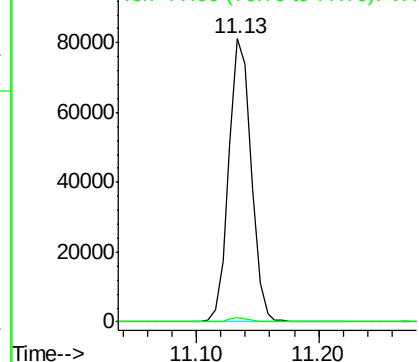
#76

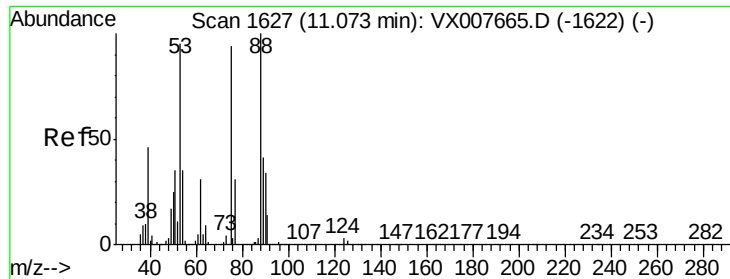
1,2,3-Trichloropropane
Concen: 21.758 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007796.D
Acq: 01 Mar 2019 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 57.806 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007796.D

Acq: 01 Mar 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

M2-T4A-UV(PRE)

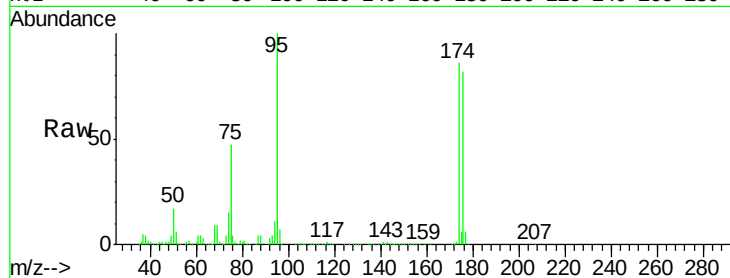
Tot Ion: 75 Resp: 102597

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

