

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022819\
 Data File : VX007756.D
 Acq On : 28 Feb 2019 10:31
 Operator : JC/SP
 Sample : VX0228WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBL01

Quant Time: Mar 01 01:28:30 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	314817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	489876	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	457356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215481	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	190798	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
35) Dibromofluoromethane	5.50	113	161309	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	8.71	98	597809	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	11.13	95	209496	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

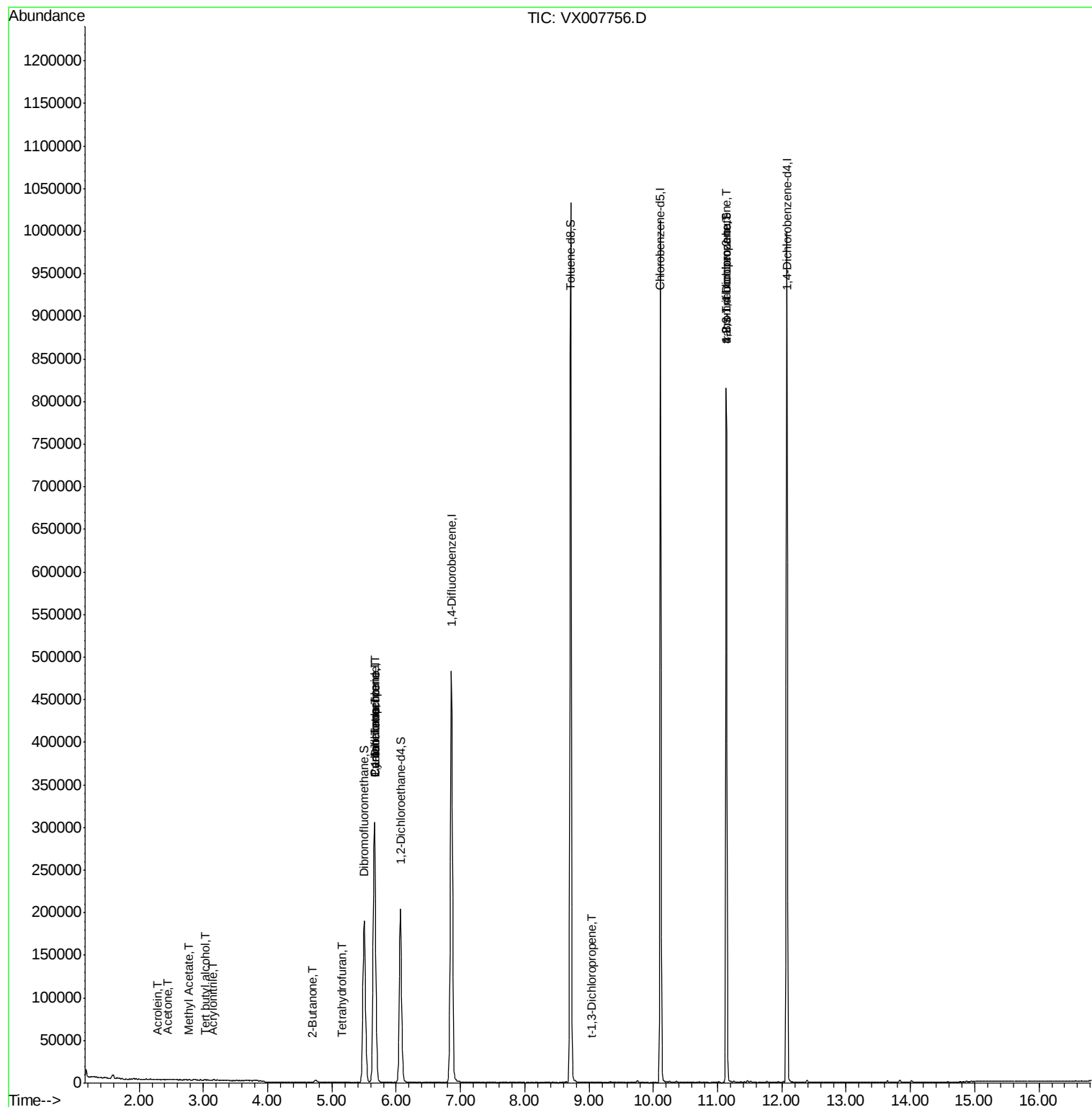
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	596	Below Cal	#	74
11) Tert butyl alcohol	3.04	59	695	0.939	ug/l #	93
13) Acrolein	2.29	56	179	0.272	ug/l #	1
15) Acrylonitrile	3.15	53	830	0.477	ug/l	88
16) Acetone	2.45	43	752	0.434	ug/l #	88
18) Methyl Acetate	2.77	43	796	0.210	ug/l	100
25) 2-Butanone	4.70	43	882	0.334	ug/l #	47
29) Tetrahydrofuran	5.16	42	676	0.388	ug/l #	84
31) Cyclohexane	5.67	56	5645	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20969	4.761	ug/l #	47
38) Carbon Tetrachloride	5.66	117	28232	6.382	ug/l #	18
53) t-1,3-Dichloropropene	9.04	75	207	2.840	ug/l #	77
76) 1,2,3-Trichloropropane	11.13	75	102131	22.236	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	102131	59.009	ug/l #	9

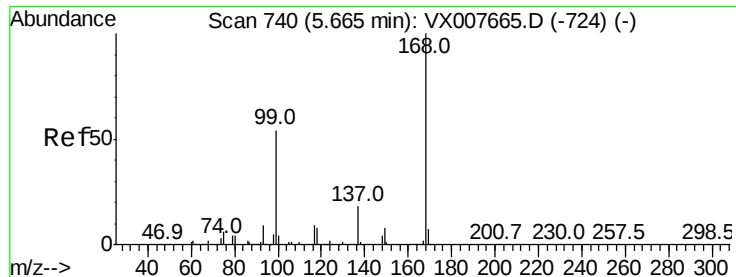
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

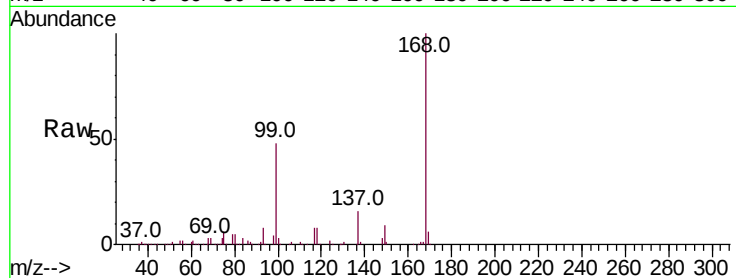
VX0228WBL01

Tot Ion:168 Resp: 314817

Ion Ratio Lower Upper

168 100

99 48.3 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

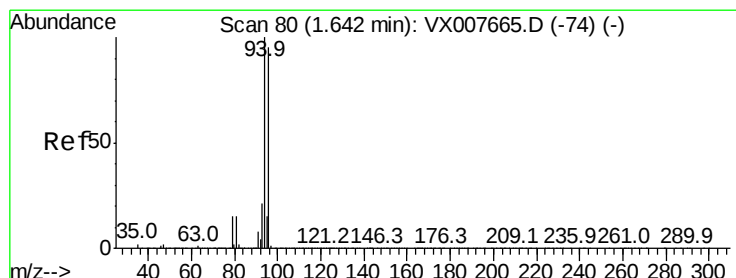
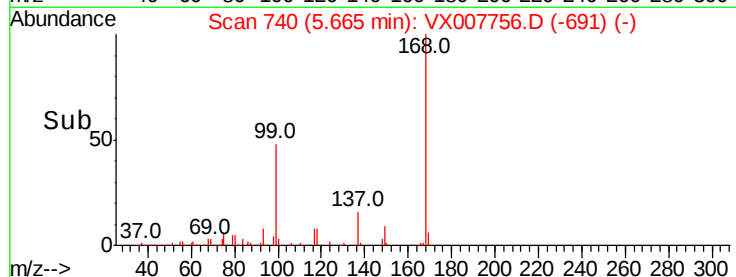
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX007756.D

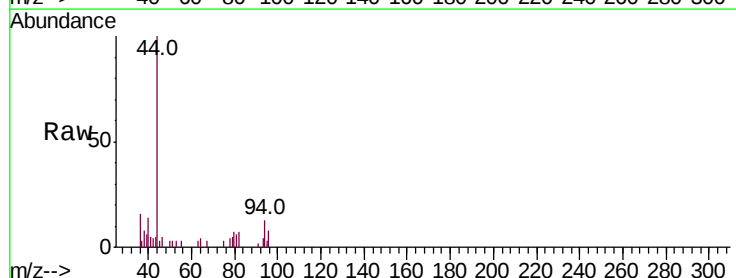
Acq: 28 Feb 2019 10:31

Tgt Ion: 94 Resp: 596

Ion Ratio Lower Upper

94 100

96 67.1 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

300

250

200

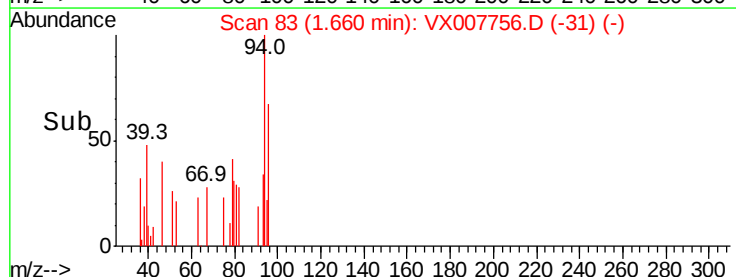
150

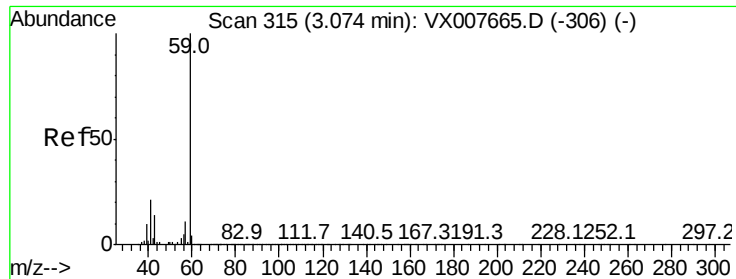
100

50

0

Time--> 1.60 1.65 1.70



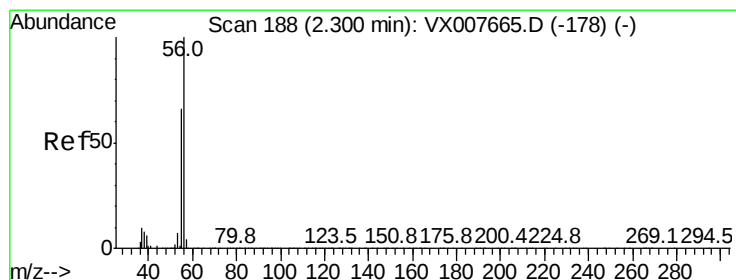
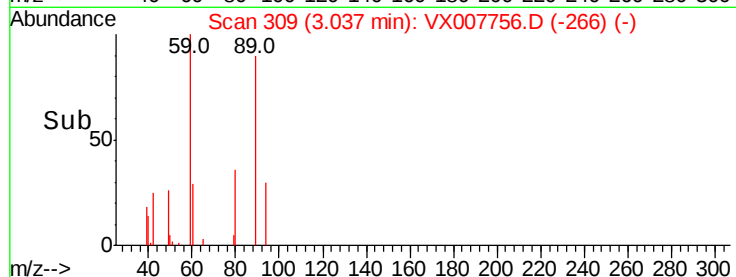
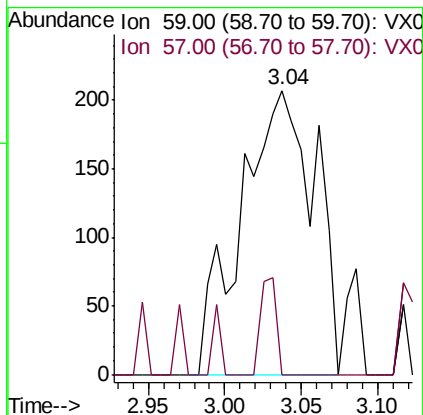
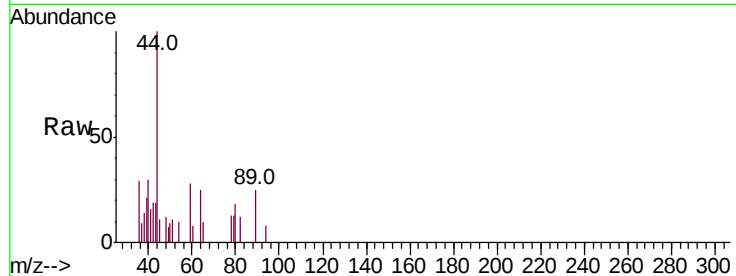


#11

Tert butyl alcohol
 Concen: 0.939 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.04 min
 Lab File: VX007756.D
 Acq: 28 Feb 2019 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBL01

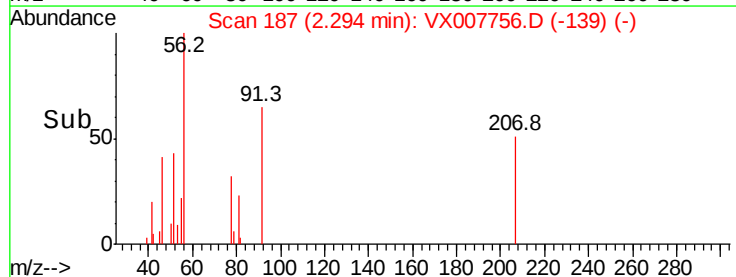
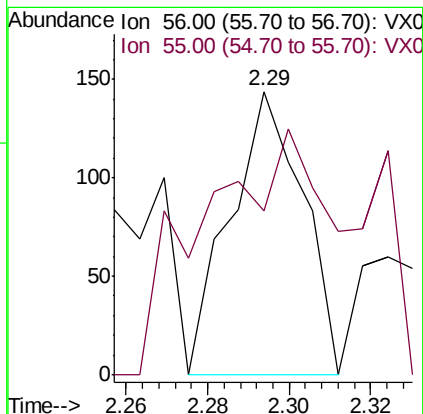
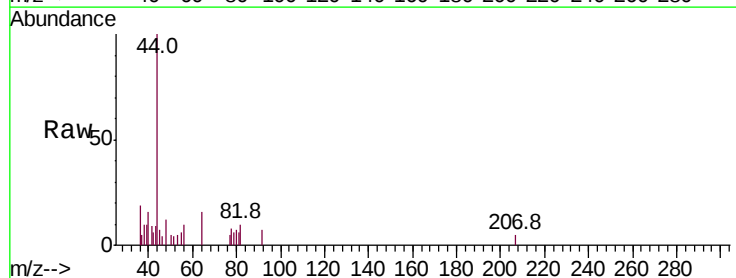
Tot Ion: 59 Resp: 695
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.1 12.1#

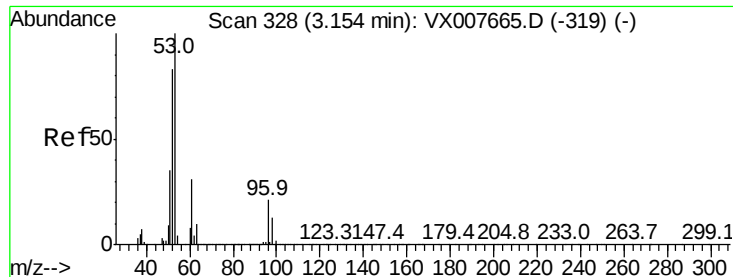


#13

Acrolein
 Concen: 0.272 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VX007756.D
 Acq: 28 Feb 2019 10:31

Tgt Ion: 56 Resp: 179
 Ion Ratio Lower Upper
 56 100
 55 183.2 56.9 85.3#





#15

Acrylonitrile

Concen: 0.477 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

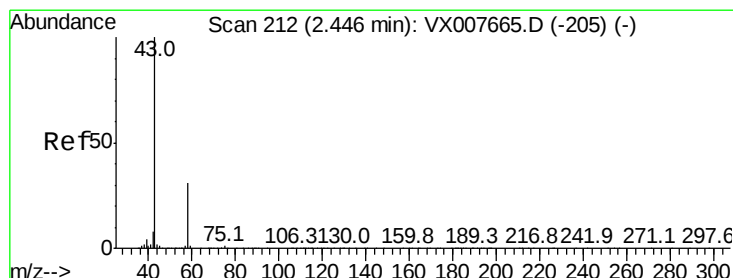
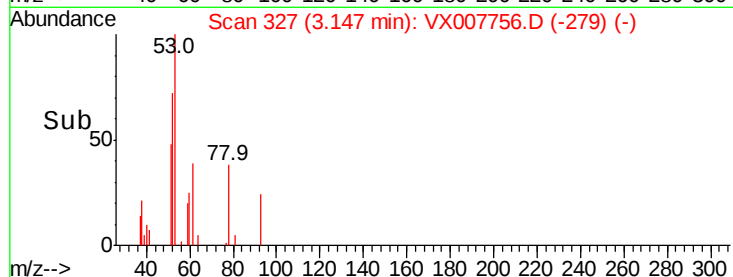
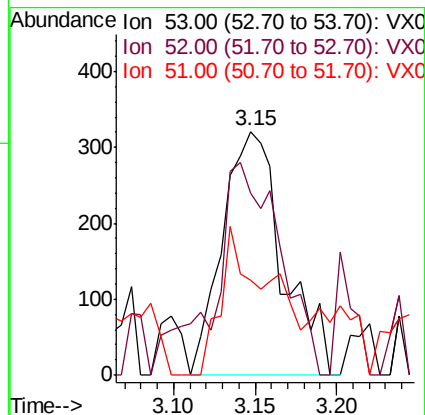
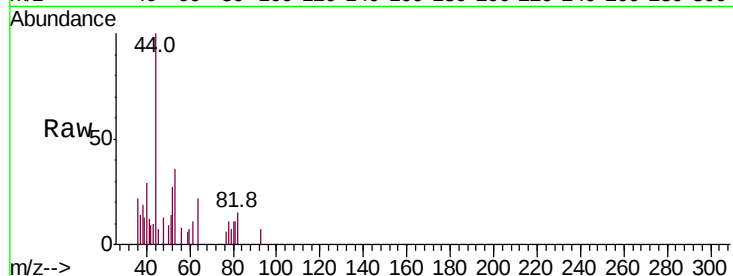
Tot Ion: 53 Resp: 830

Ion Ratio Lower Upper

53 100

52 96.4 66.4 99.6

51 31.7 28.4 42.6



#16

Acetone

Concen: 0.434 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007756.D

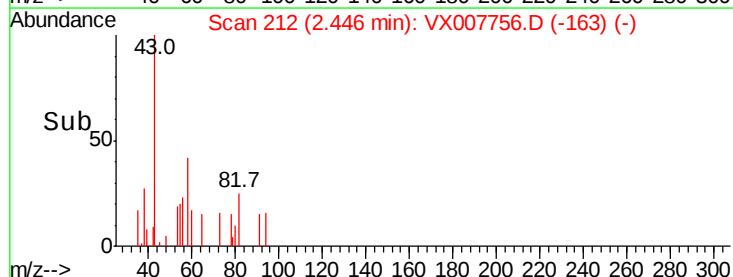
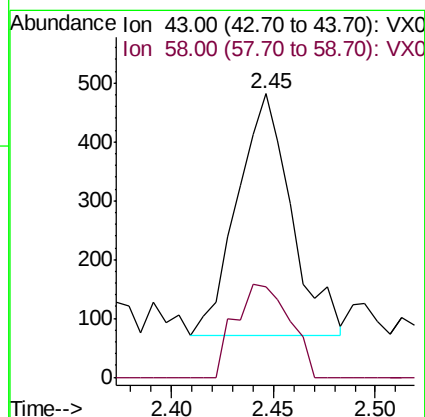
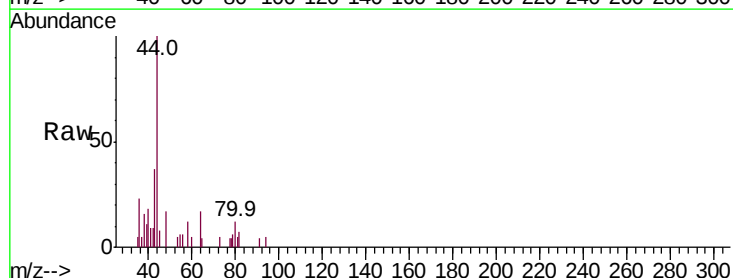
Acq: 28 Feb 2019 10:31

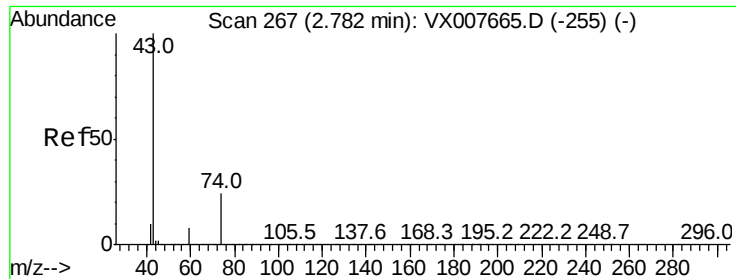
Tgt Ion: 43 Resp: 752

Ion Ratio Lower Upper

43 100

58 37.6 24.9 37.3#

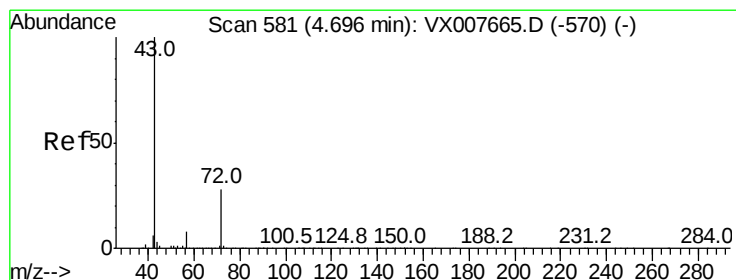
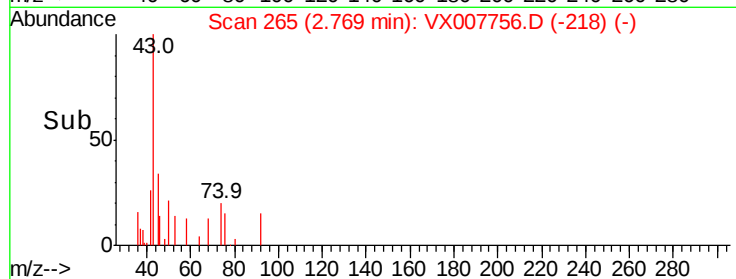
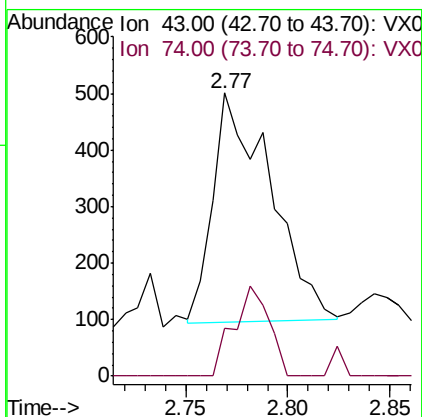
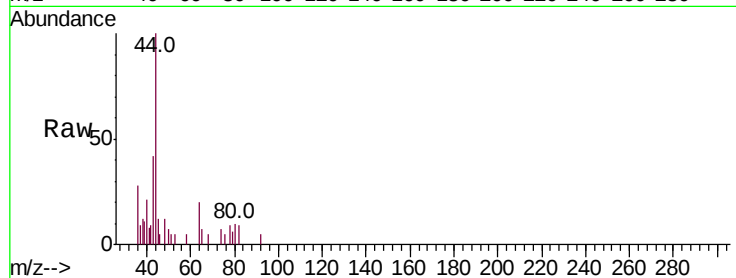




#18
Methvl Acetate
Concen: 0.210 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX007756.D
Acq: 28 Feb 2019 10:31

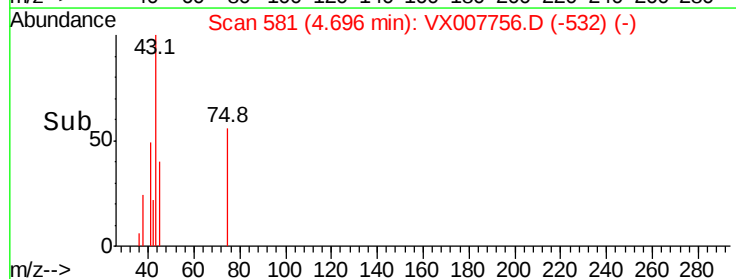
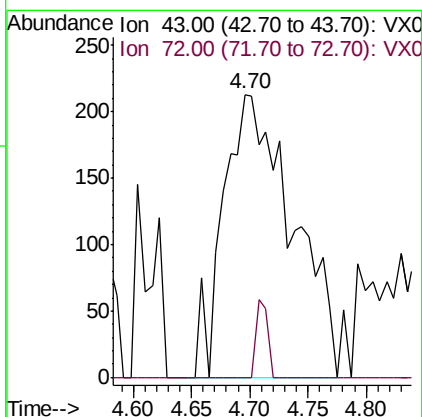
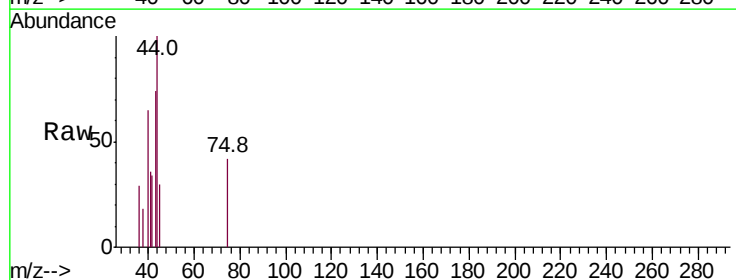
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

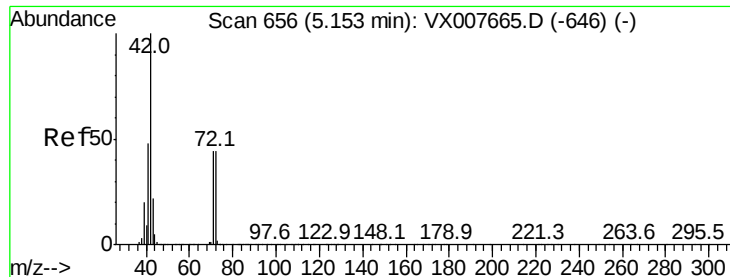
Tot Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
74 24.1 19.4 29.2



#25
2-Butanone
Concen: 0.334 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.00 min
Lab File: VX007756.D
Acq: 28 Feb 2019 10:31

Tgt Ion: 43 Resp: 882
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#





#29

Tetrahydrofuran

Concen: 0.388 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA_X

ClientSampled :

VX0228WBL01

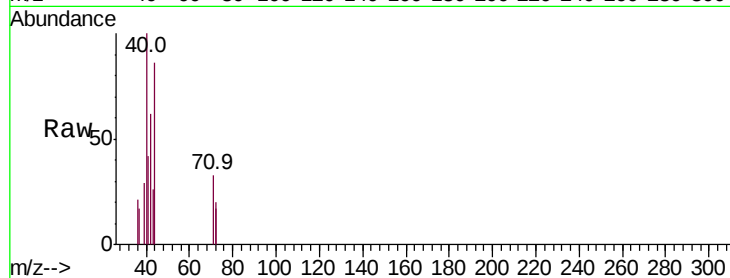
Tot Ion: 42 Resp: 676

Ion Ratio Lower Upper

42 100

72 35.1 37.6 56.4#

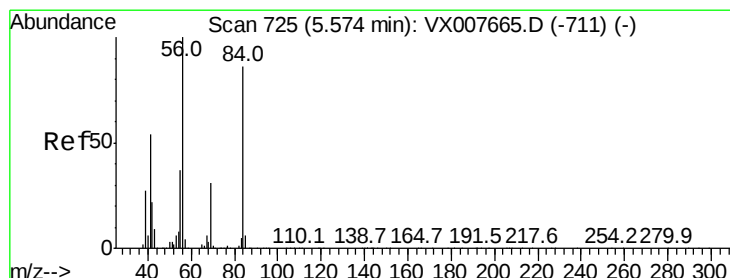
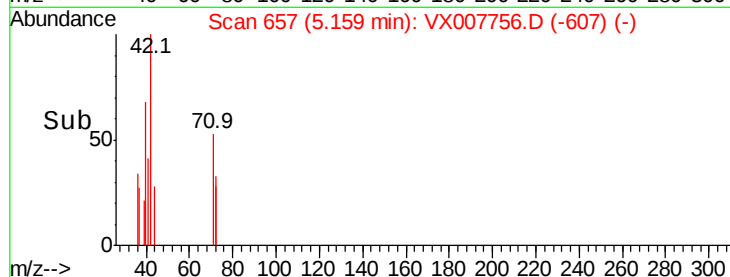
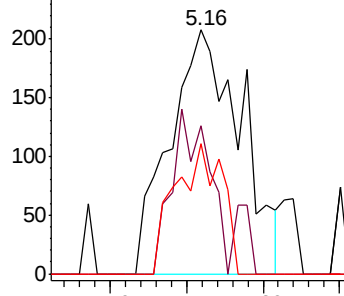
71 34.9 34.6 51.8



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: 1.042 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

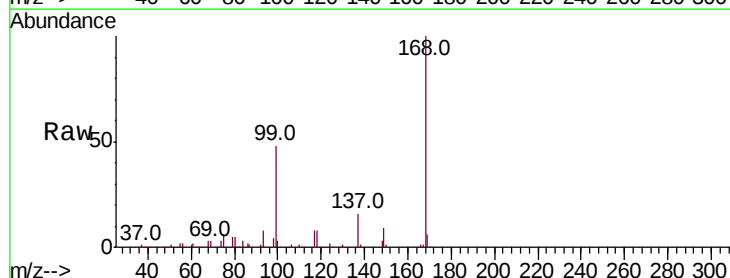
Tgt Ion: 56 Resp: 5645

Ion Ratio Lower Upper

56 100

69 191.4 23.0 34.6#

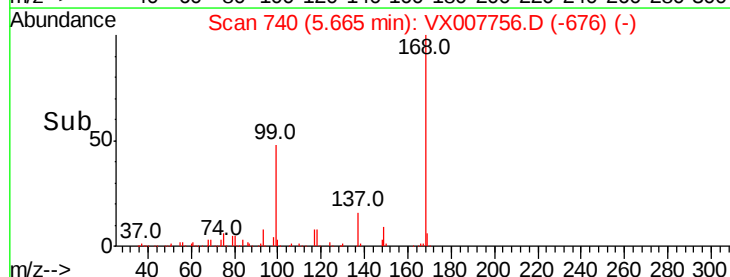
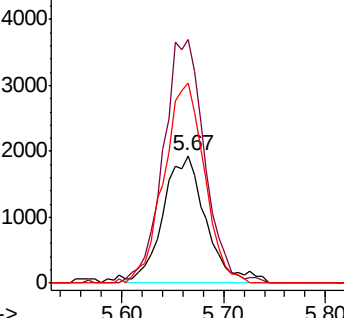
84 157.6 69.8 104.6#

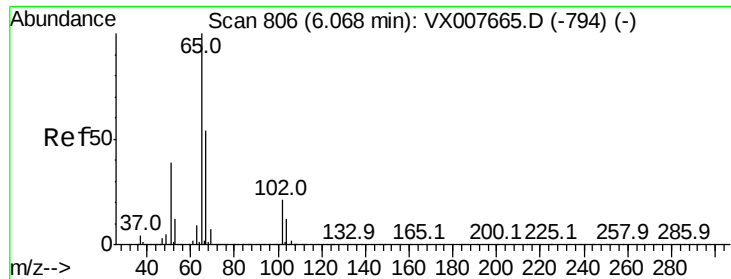


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.928 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

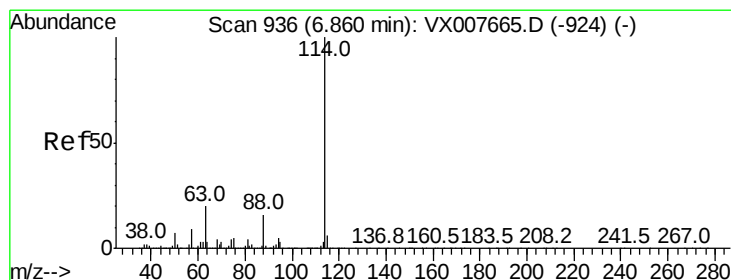
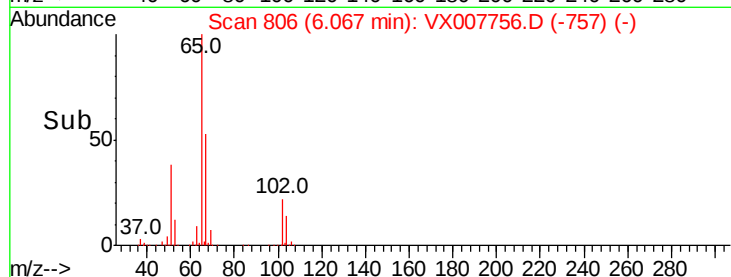
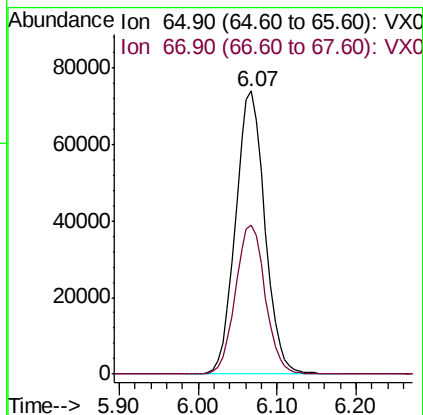
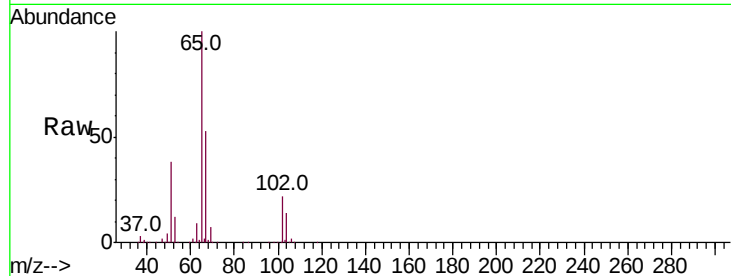
VX0228WBL01

Tot Ion: 65 Resp: 190798

Ion Ratio Lower Upper

65 100

67 53.4 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: VX007756.D

Acq: 28 Feb 2019 10:31

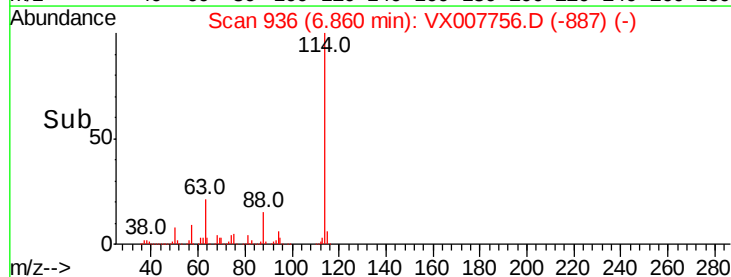
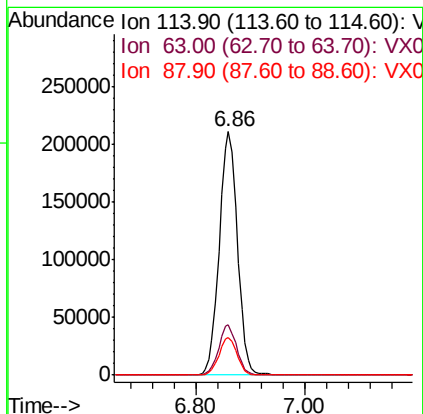
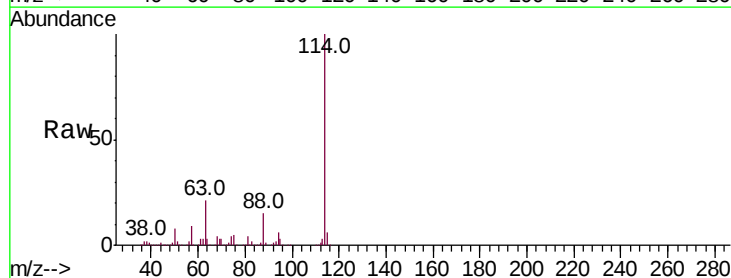
Tgt Ion: 114 Resp: 489876

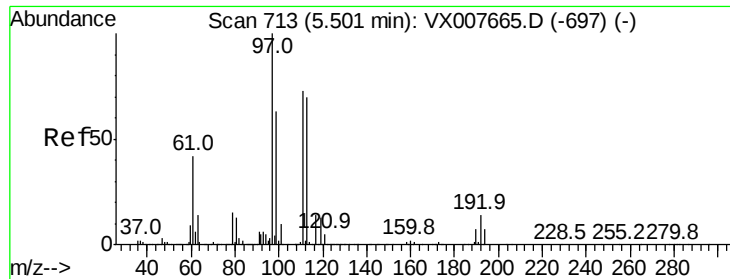
Ion Ratio Lower Upper

114 100

63 20.6 0.0 35.6

88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.260 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

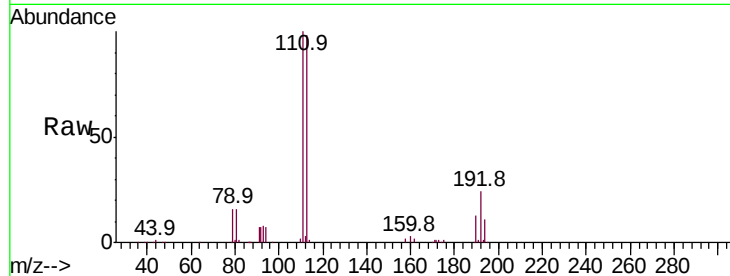
Tot Ion:113 Resp: 161309

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

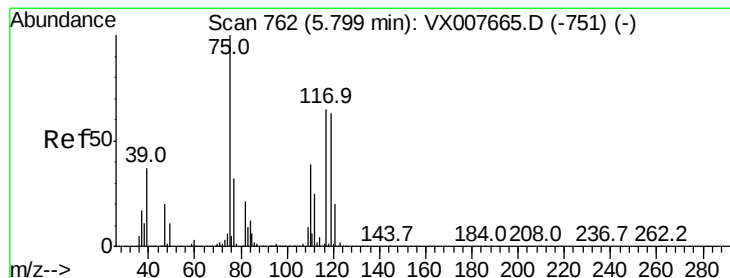
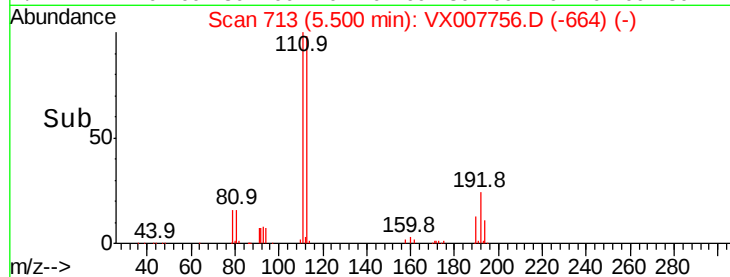
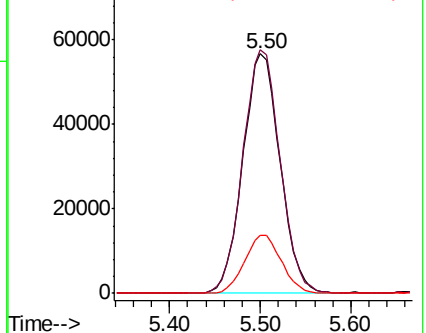
192 24.0 18.5 27.7



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: 4.761 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

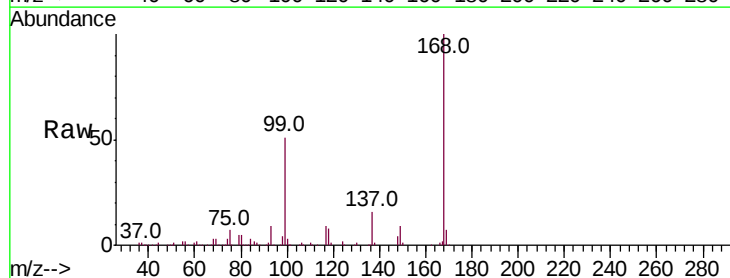
Tgt Ion: 75 Resp: 20969

Ion Ratio Lower Upper

75 100

110 8.9 20.0 59.9#

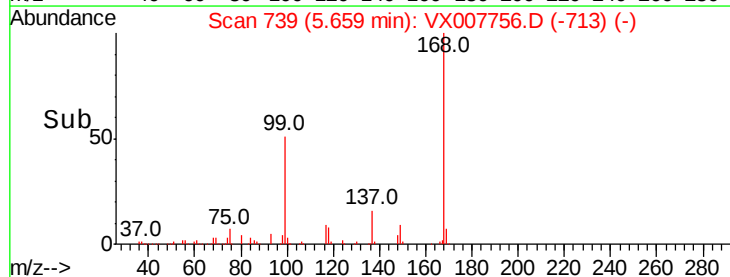
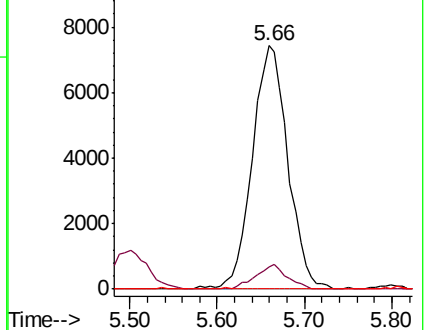
77 0.0 24.7 37.1#

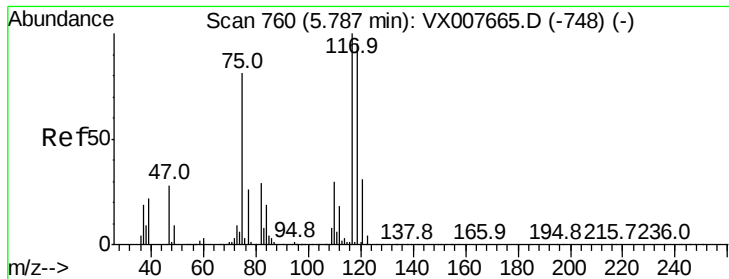


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.382 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

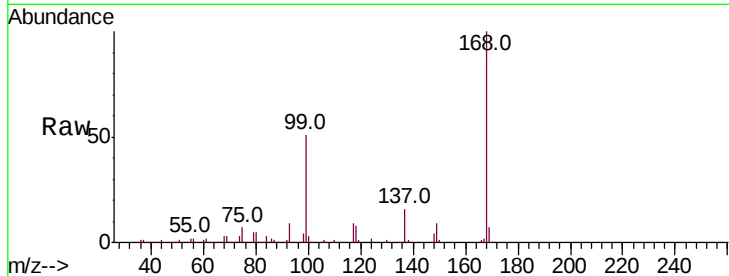
Tot Ion:117 Resp: 28232

Ion Ratio Lower Upper

117 100

119 6.3 75.3 112.9#

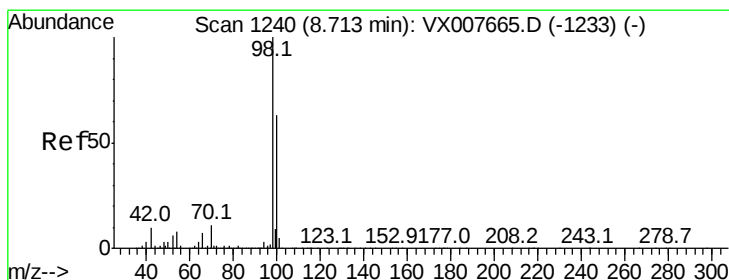
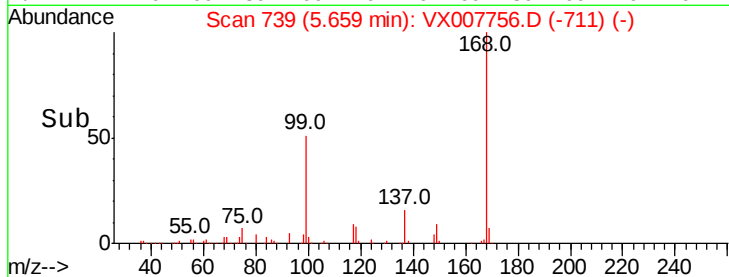
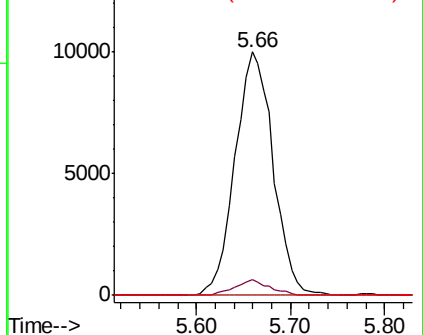
121 0.0 25.0 37.4#



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: 47.685 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007756.D

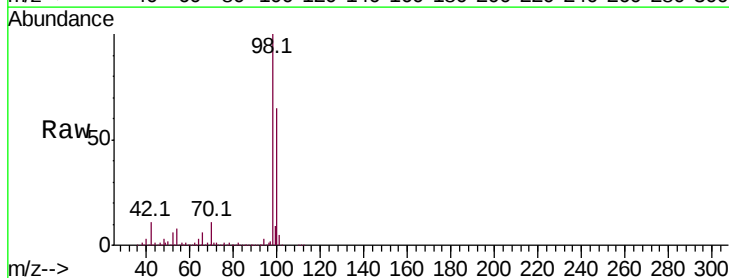
Acq: 28 Feb 2019 10:31

Tgt Ion: 98 Resp: 597809

Ion Ratio Lower Upper

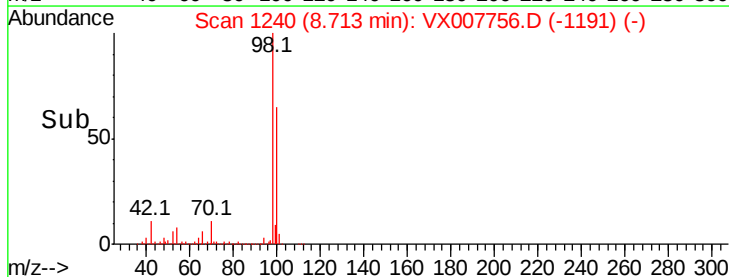
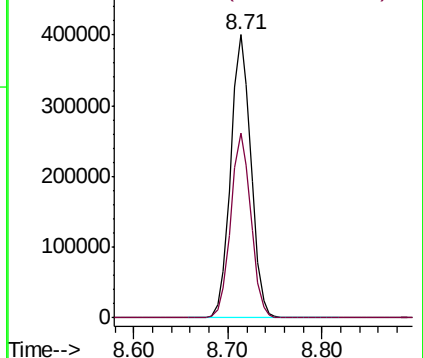
98 100

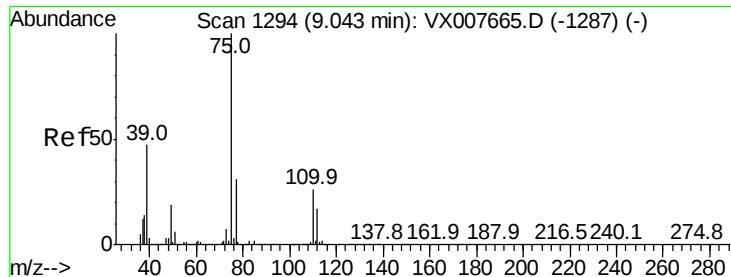
100 64.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#53

t-1,3-Dichloropropene

Concen: 2.840 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA_X

ClientSampled :

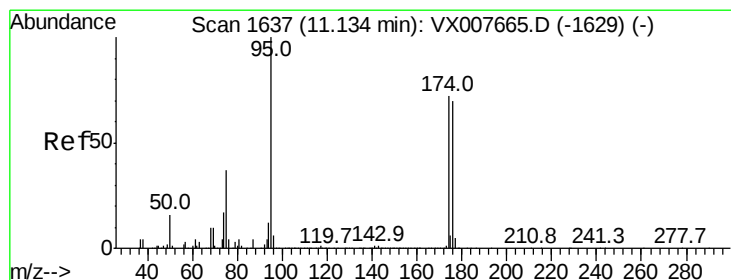
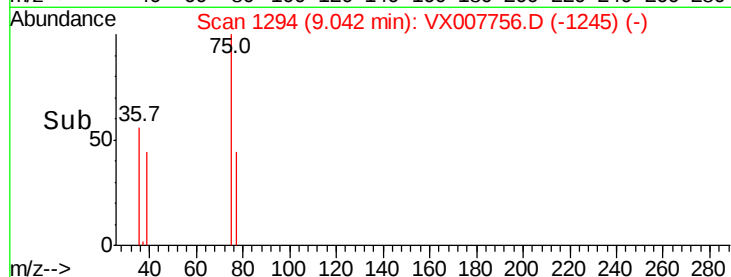
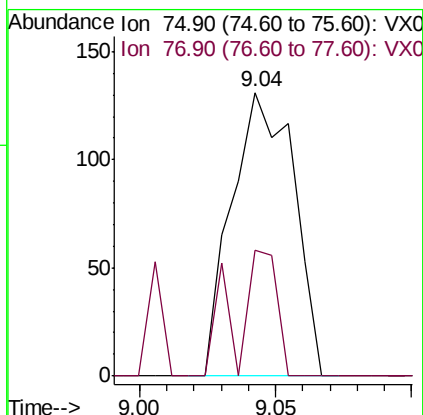
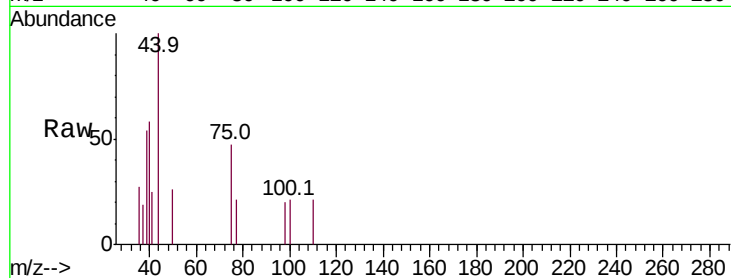
VX0228WBL01

Tot Ion: 75 Resp: 207

Ion Ratio Lower Upper

75 100

77 44.3 25.2 37.8#



#62

4-Bromofluorobenzene

Concen: 45.529 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

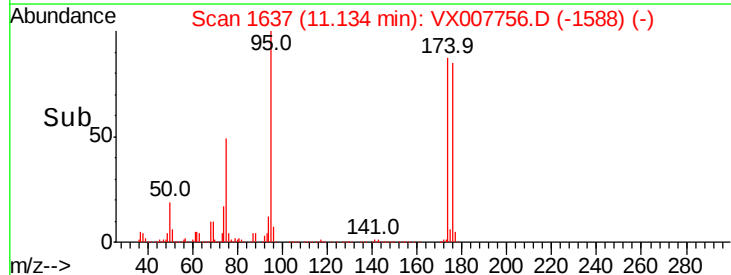
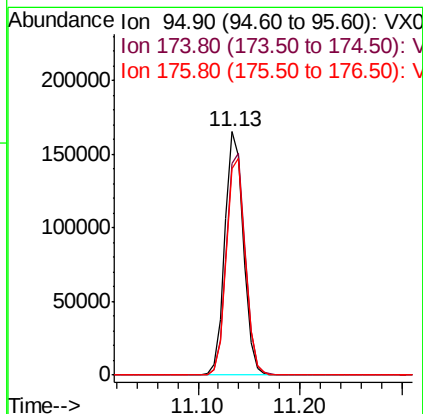
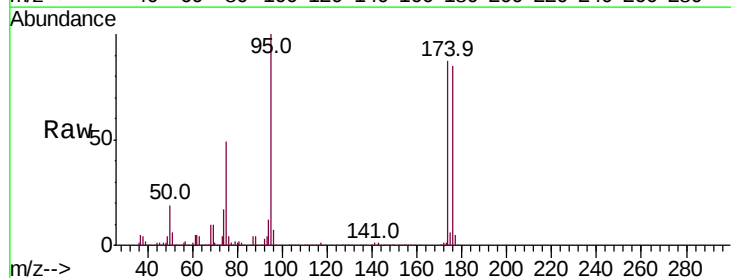
Tgt Ion: 95 Resp: 209496

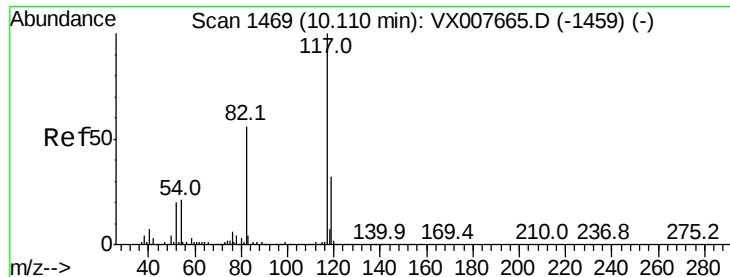
Ion Ratio Lower Upper

95 100

174 92.8 0.0 189.2

176 90.1 0.0 186.2

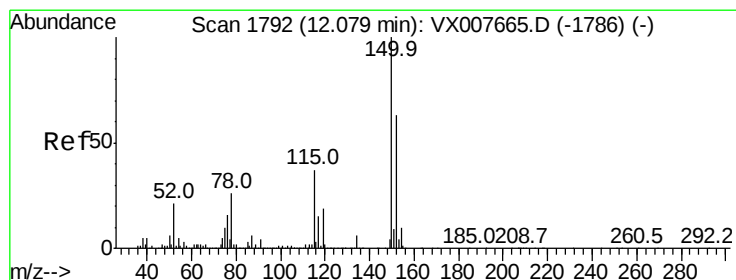
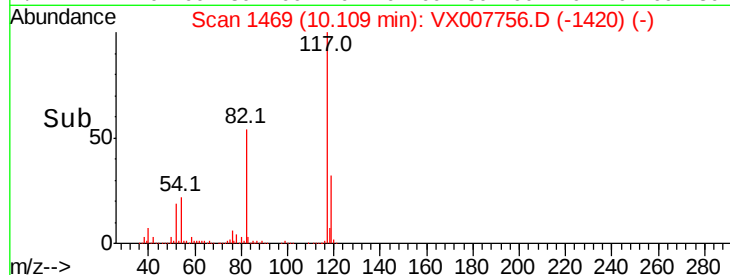
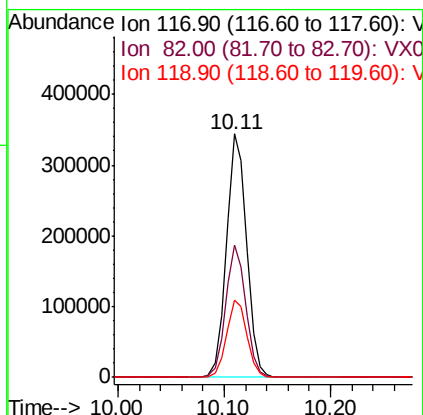
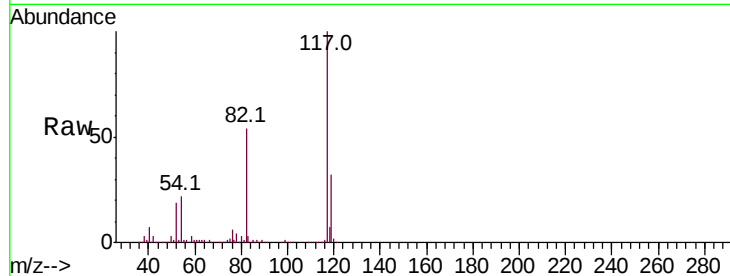




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007756.D
Acq: 28 Feb 2019 10:31

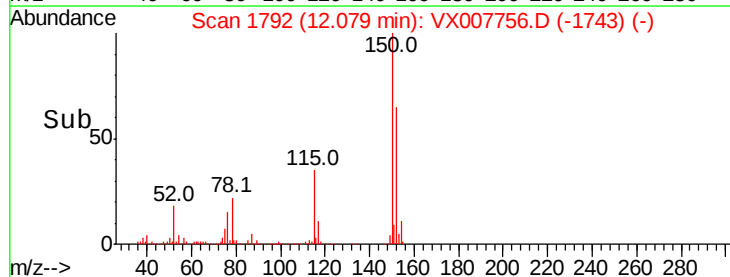
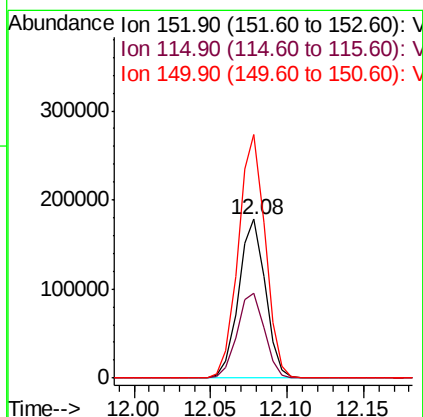
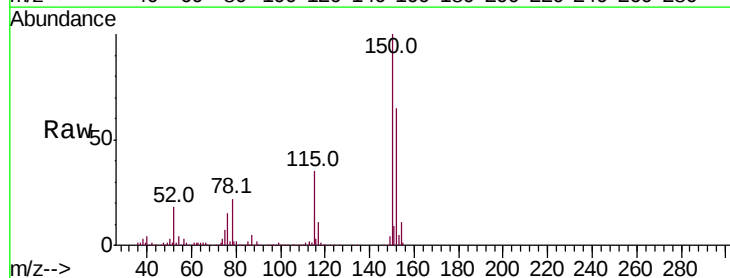
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

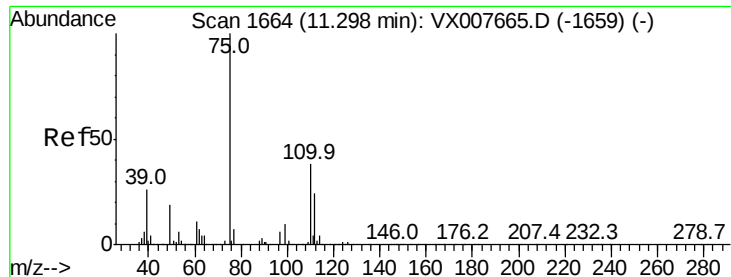
Tot Ion:117 Resp: 457356
Ion Ratio Lower Upper
117 100
82 54.1 42.1 63.1
119 31.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007756.D
Acq: 28 Feb 2019 10:31

Tgt Ion:152 Resp: 215481
Ion Ratio Lower Upper
152 100
115 55.1 38.0 114.0
150 155.1 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.236 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

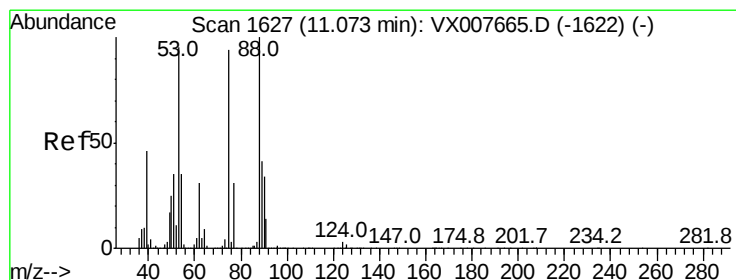
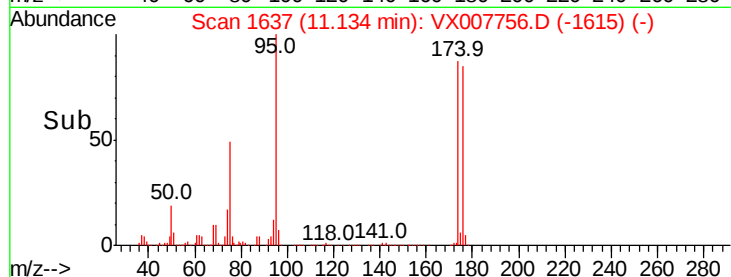
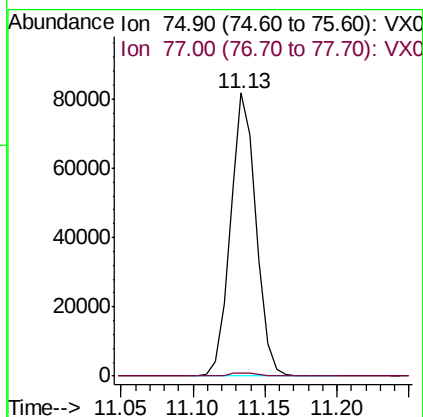
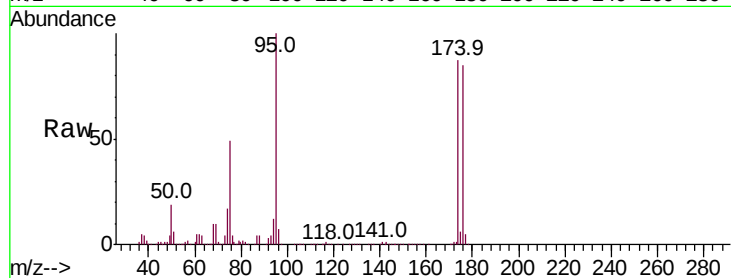
VX0228WBL01

Tot Ion: 75 Resp: 102131

Ion Ratio Lower Upper

75 100

77 1.3 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.009 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Tgt Ion: 75 Resp: 102131

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#

