

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121418\
 Data File : VX006543.D
 Acq On : 15 Dec 2018 04:47
 Operator : JC/MD
 Sample : J6396-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 05:50:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	652683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1049862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	949776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	455432	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	357317	53.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.26%	
35) Dibromofluoromethane	5.51	113	310419	45.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.34%	
50) Toluene-d8	8.71	98	1239244	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.13	95	456303	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	

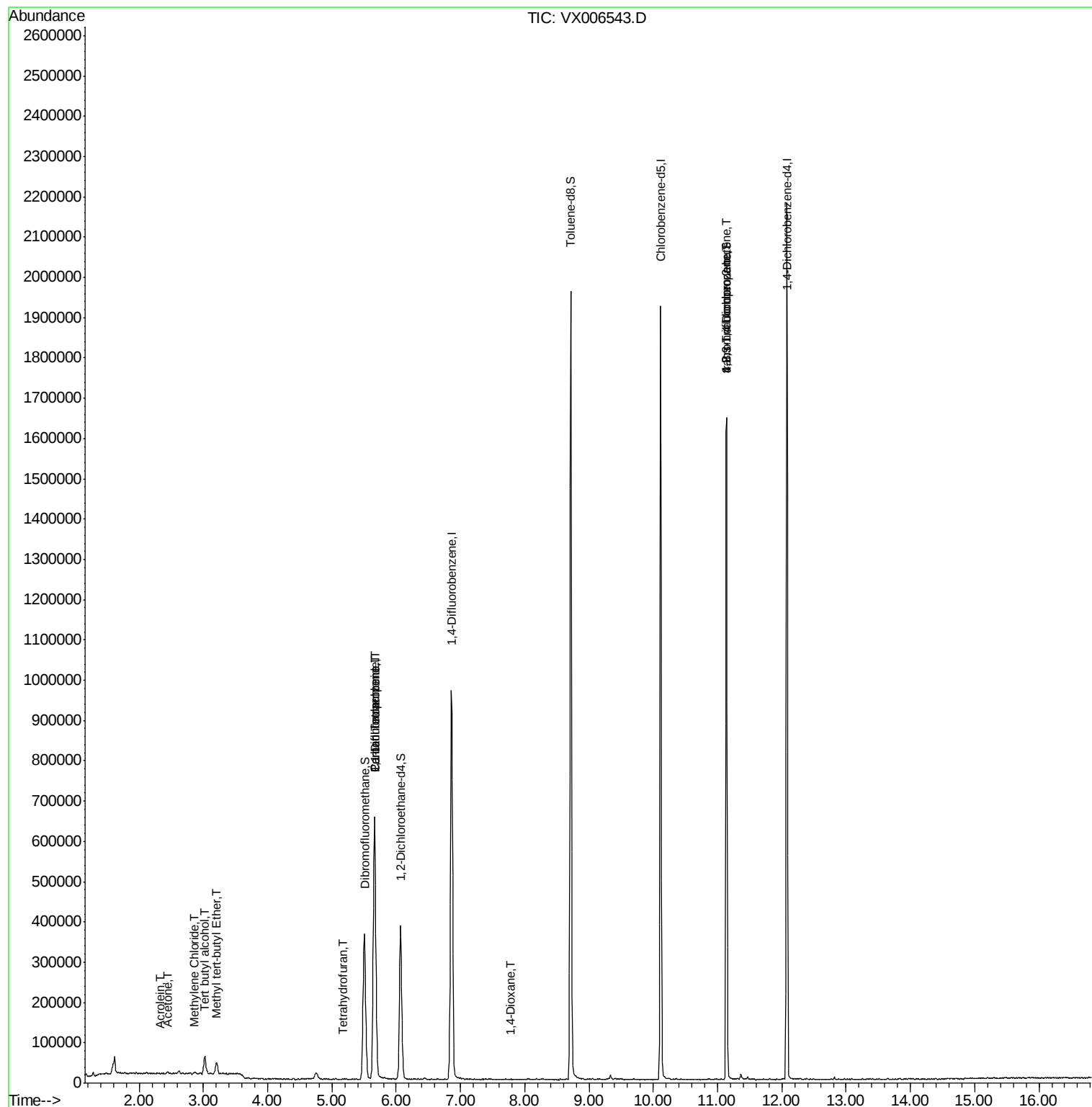
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	28862	15.840	ug/l #	79
13) Acrolein	2.32	56	224	0.225	ug/l #	50
16) Acetone	2.45	43	6087	1.947	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	35066	1.664	ug/l	99
20) Methylene Chloride	2.87	84	2223	0.334	ug/l #	64
29) Tetrahydrofuran	5.17	42	670	0.216	ug/l #	52
36) 1,1-Dichloropropene	5.66	75	44223	5.002	ug/l #	48
38) Carbon Tetrachloride	5.66	117	60676	5.834	ug/l #	17
49) 1,4-Dioxane	7.77	88	131	0.662	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	209957	23.884	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	209957	56.050	ug/l #	15

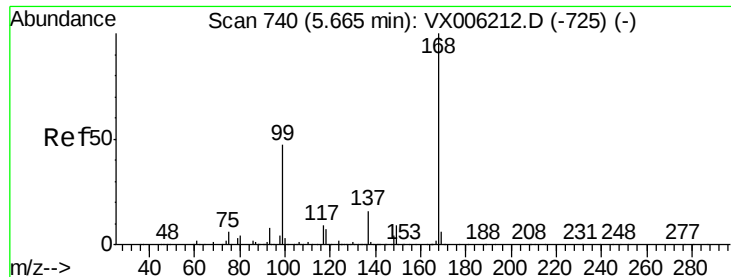
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006543.D

Acq: 15 Dec 2018 04:47

Instrument :

MSVOA_X

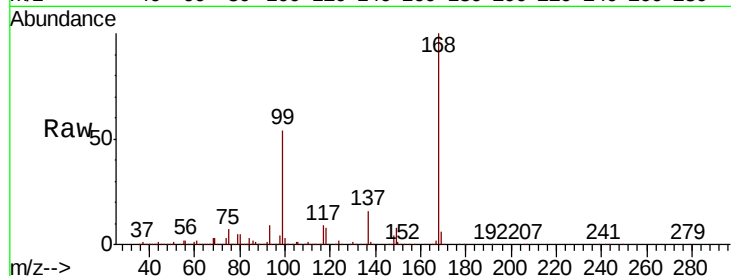
ClientSampleId :

Tot Ion:168 Resp: 652683

Ion Ratio Lower Upper

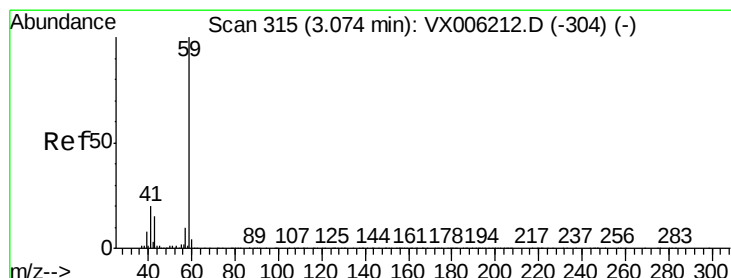
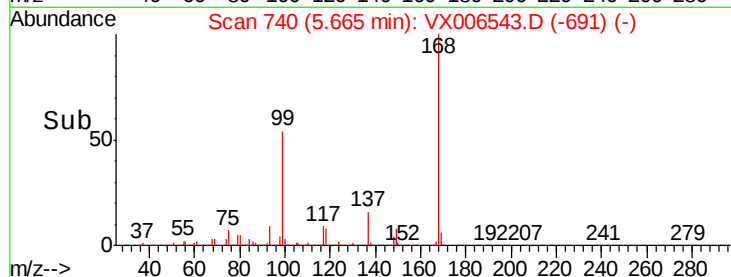
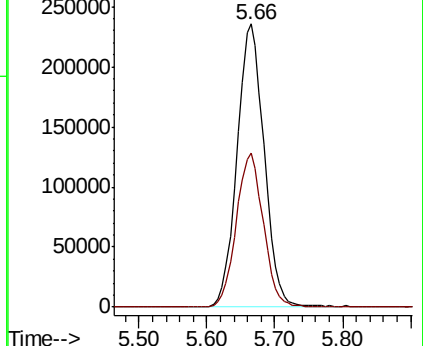
168 100

99 54.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 15.840 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX006543.D

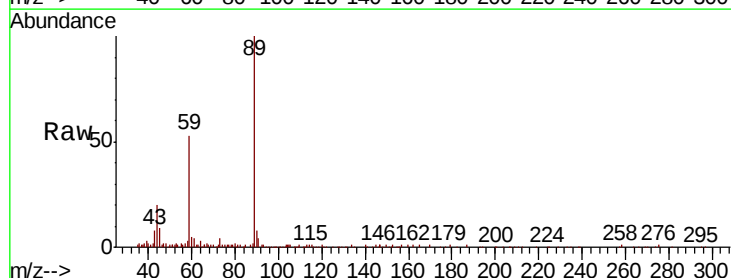
Acq: 15 Dec 2018 04:47

Tgt Ion: 59 Resp: 28862

Ion Ratio Lower Upper

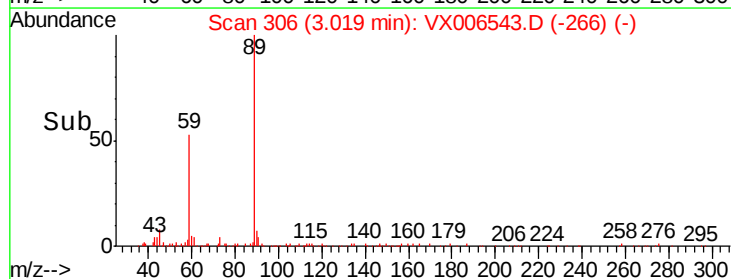
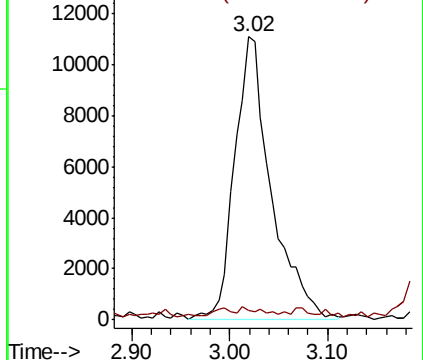
59 100

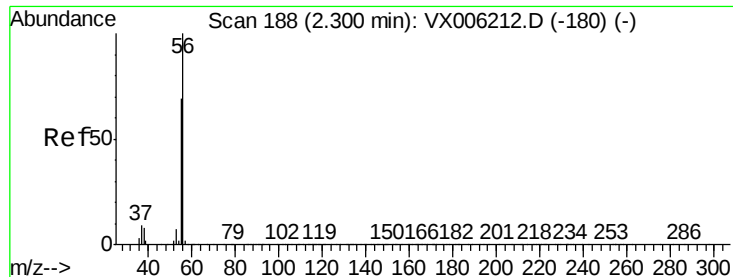
57 2.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

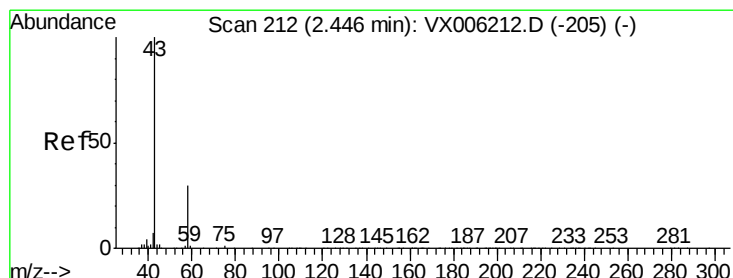
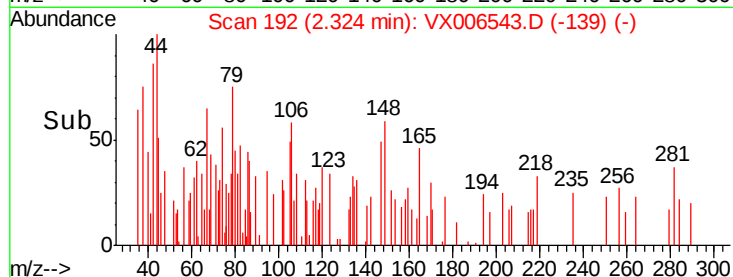
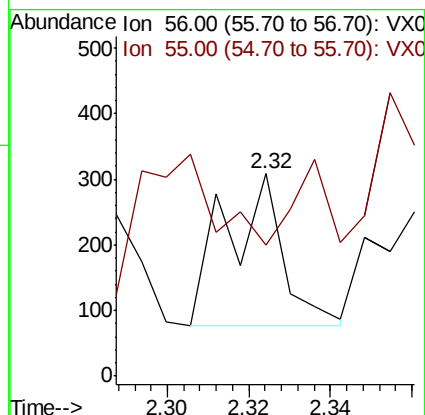
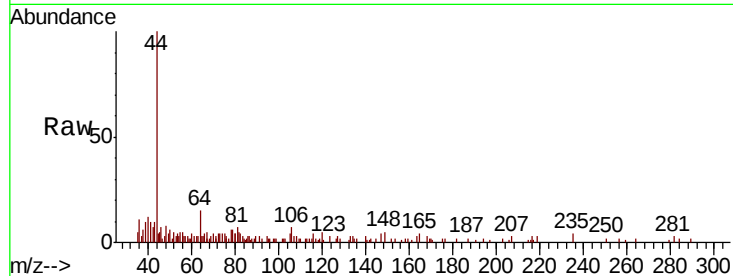




#13
Acrolein
Concen: 0.225 ug/l
RT: 2.32 min Scan# 192
Delta R.T. 0.02 min
Lab File: VX006543.D
Acq: 15 Dec 2018 04:47

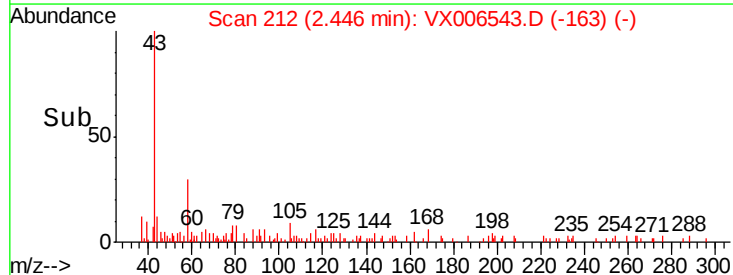
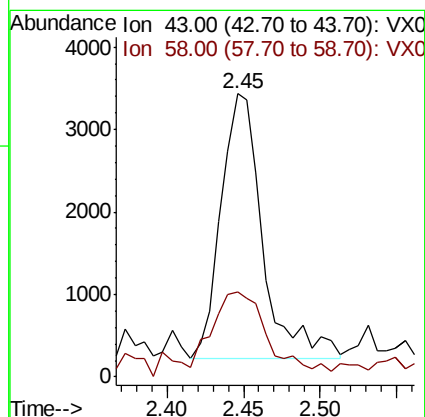
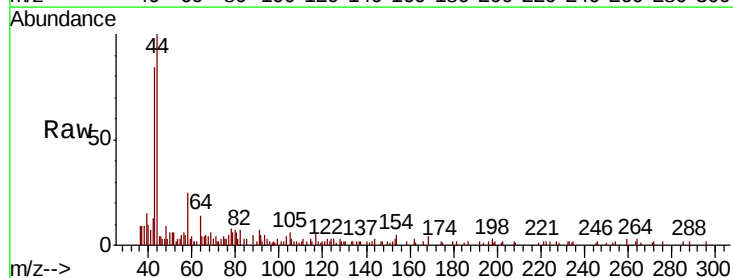
Instrument :
MSVOA_X
ClientSampled :

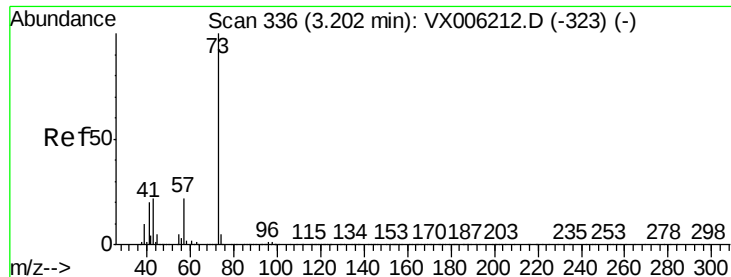
Tot Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 30.8 57.8 86.6#



#16
Acetone
Concen: 1.947 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006543.D
Acq: 15 Dec 2018 04:47

Tgt Ion: 43 Resp: 6087
Ion Ratio Lower Upper
43 100
58 28.5 24.0 36.0

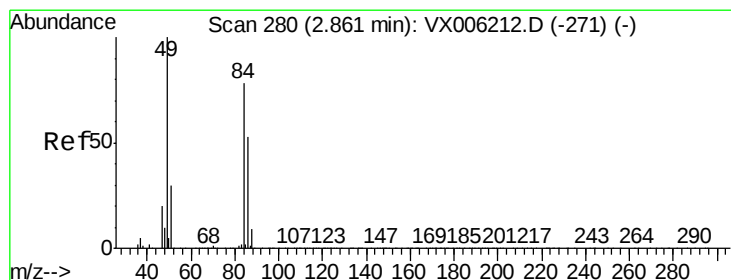
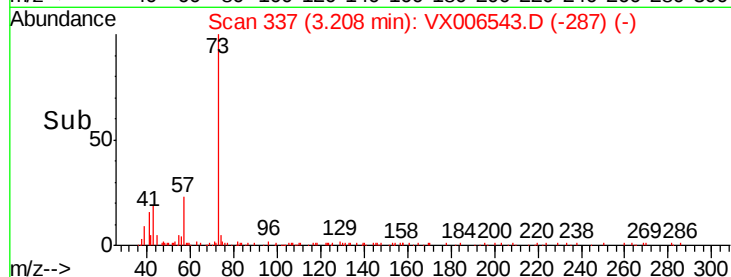
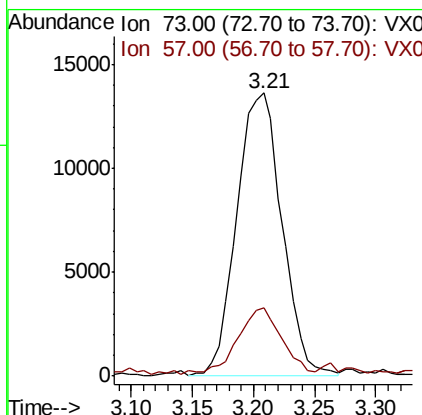
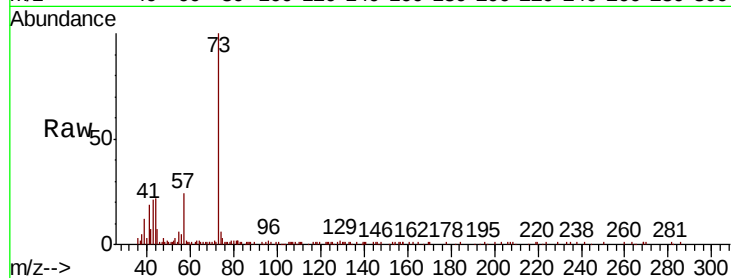




#19
Methyl tert-butyl Ether
Concen: 1.664 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006543.D
Acq: 15 Dec 2018 04:47

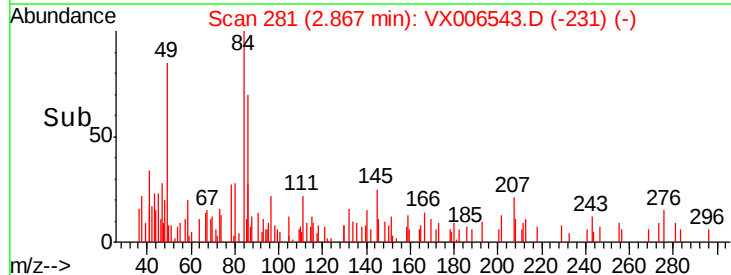
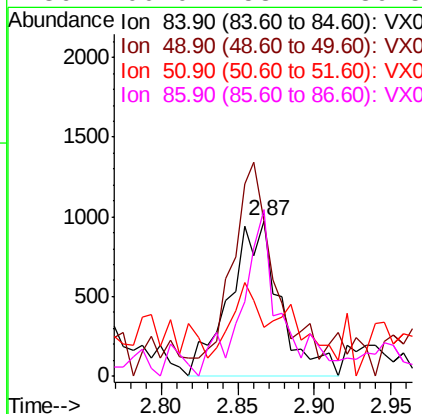
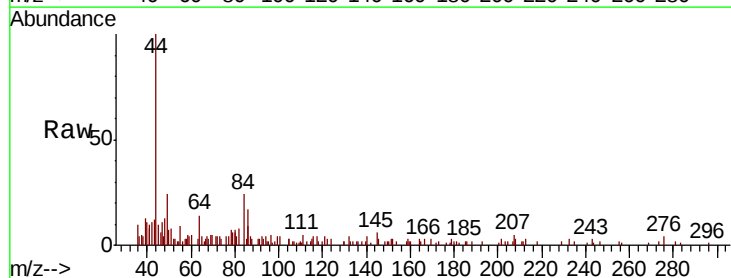
Instrument :
MSVOA_X
ClientSampleId :

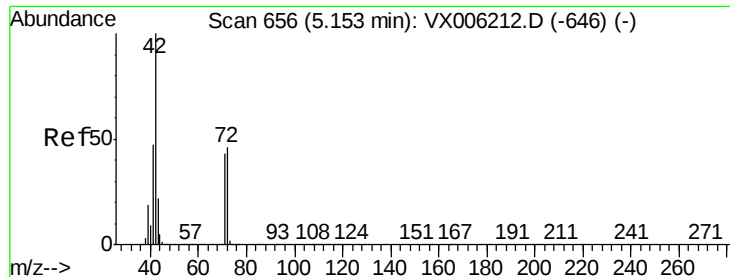
Tot Ion: 73 Resp: 35066
Ion Ratio Lower Upper
73 100
57 22.3 17.5 26.3



#20
Methylene Chloride
Concen: 0.334 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006543.D
Acq: 15 Dec 2018 04:47

Tgt Ion: 84 Resp: 2223
Ion Ratio Lower Upper
84 100
49 87.6 102.2 153.4#
51 21.3 31.1 46.7#
86 100.0 53.7 80.5#





#29

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX006543.D

Acq: 15 Dec 2018 04:47

Instrument :

MSVOA_X

ClientSampled :

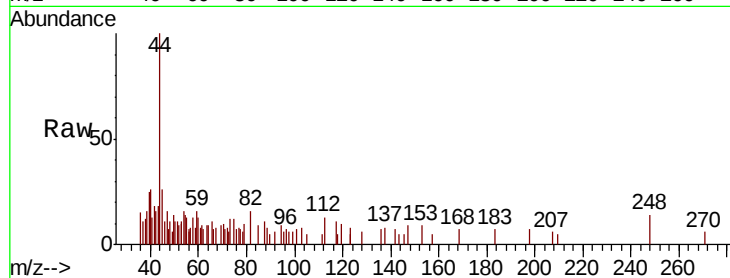
Tot Ion: 42 Resp: 670

Ion Ratio Lower Upper

42 100

72 28.1 37.8 56.8#

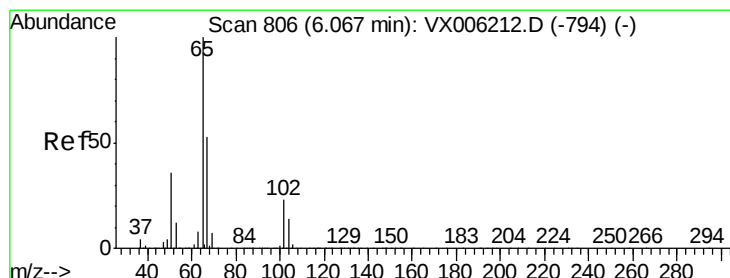
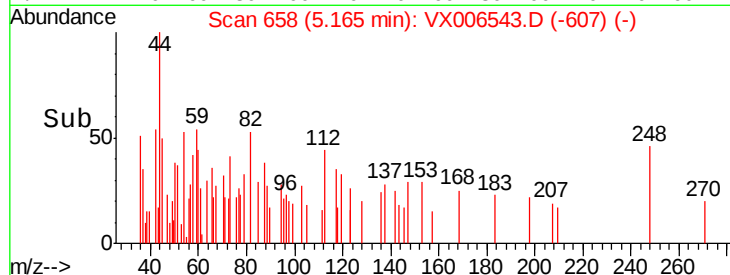
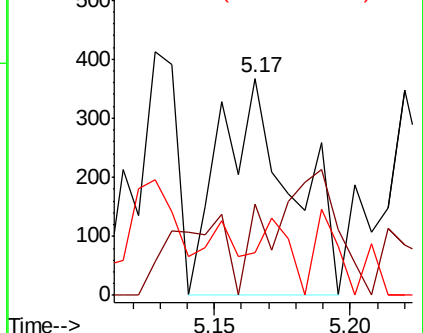
71 0.0 35.2 52.8#



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



#33

1,2-Dichloroethane-d4

Concen: 53.628 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006543.D

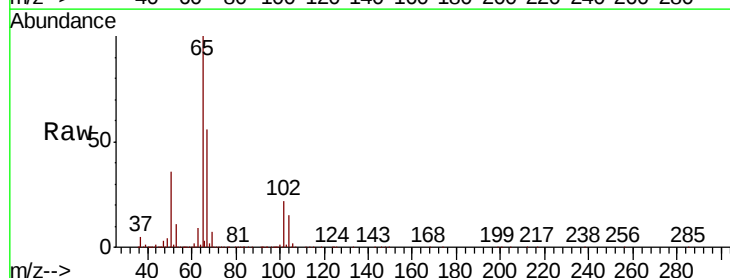
Acq: 15 Dec 2018 04:47

Tgt Ion: 65 Resp: 357317

Ion Ratio Lower Upper

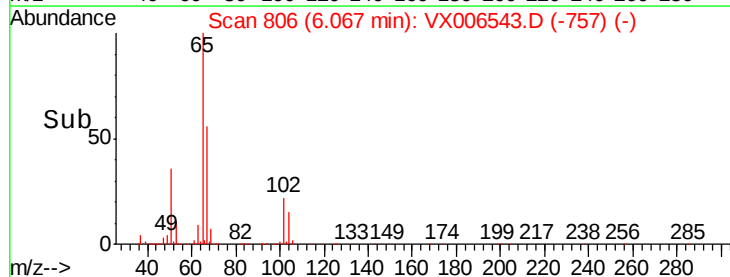
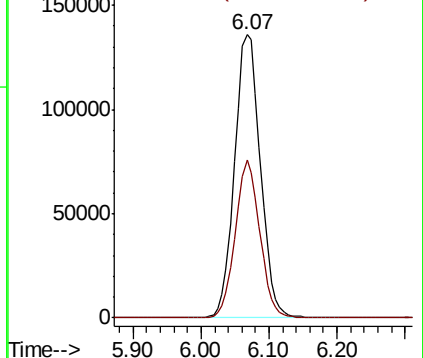
65 100

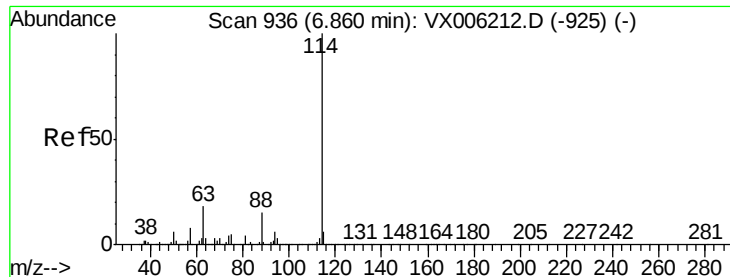
67 53.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006543.D

Acq: 15 Dec 2018 04:47

Instrument :

MSVOA_X

ClientSampled :

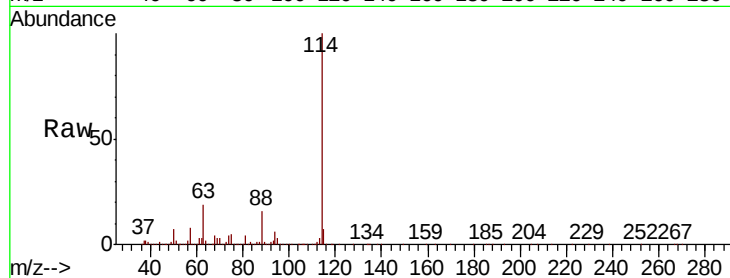
Tot Ion:114 Resp: 1049862

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.6

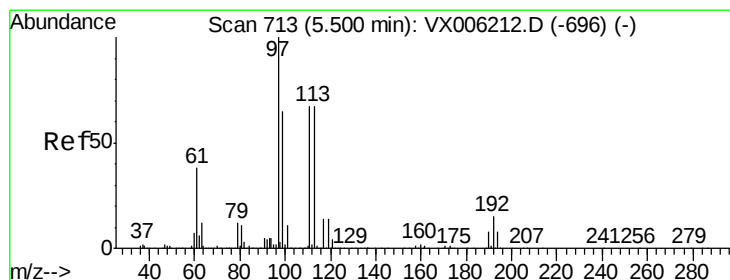
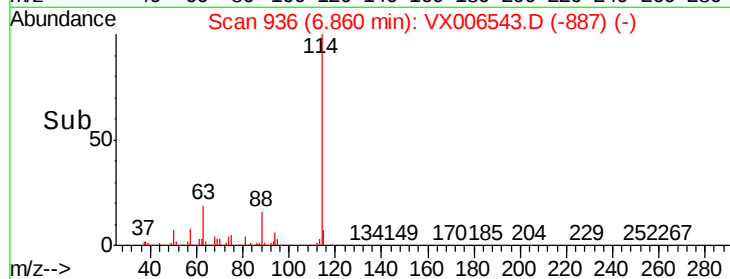
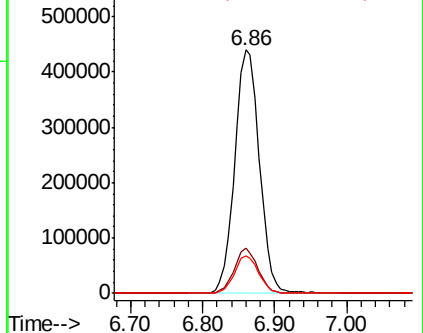
88 15.6 0.0 29.0



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: 45.667 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006543.D

Acq: 15 Dec 2018 04:47

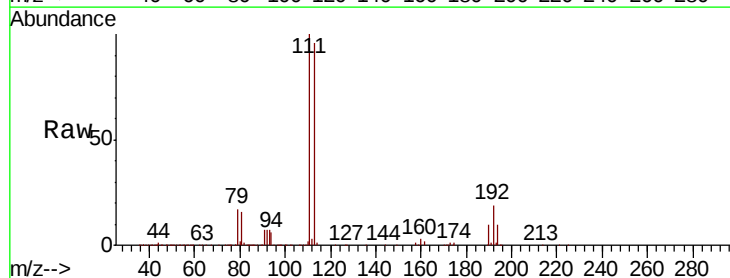
Tgt Ion:113 Resp: 310419

Ion Ratio Lower Upper

113 100

111 103.6 81.1 121.7

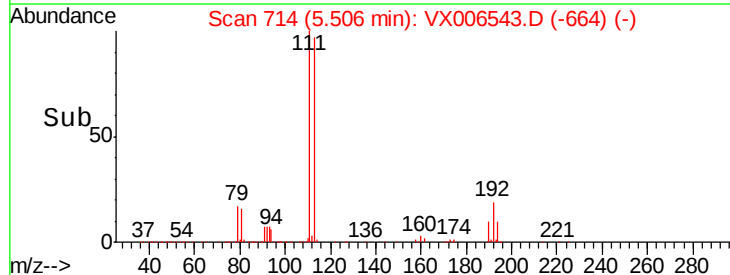
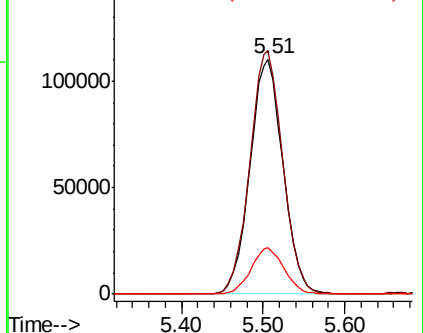
192 19.8 18.2 27.2

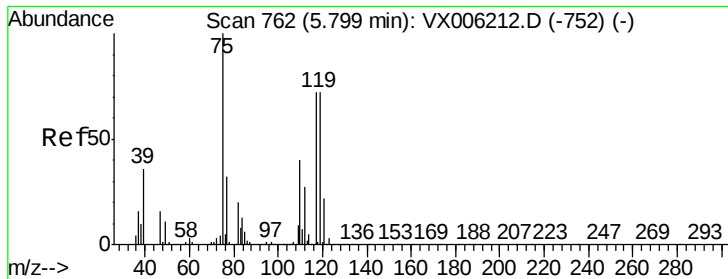


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.002 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006543.D

Acq: 15 Dec 2018 04:47

Instrument :

MSVOA_X

ClientSampleId :

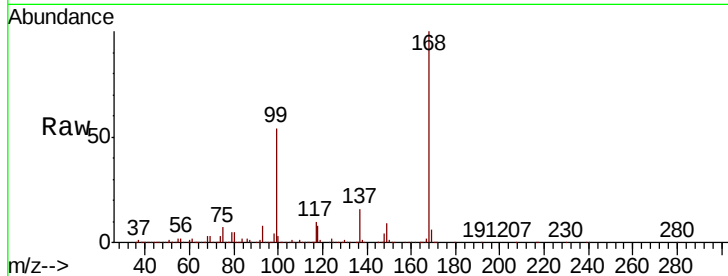
Tot Ion: 75 Resp: 44223

Ion Ratio Lower Upper

75 100

110 9.5 20.4 61.3#

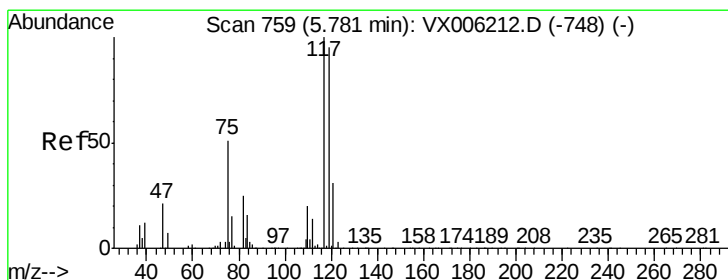
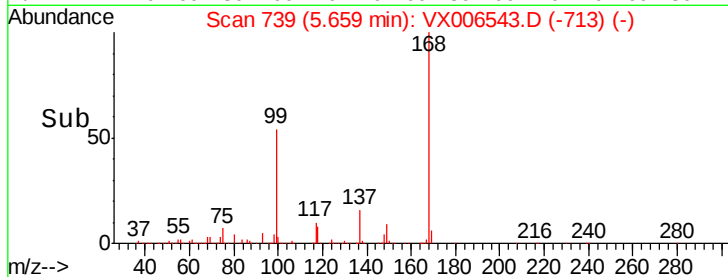
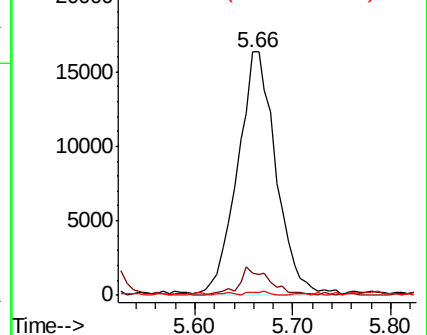
77 0.7 24.9 37.3#



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: 5.834 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006543.D

Acq: 15 Dec 2018 04:47

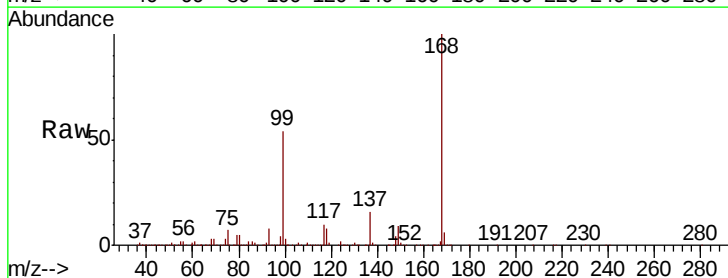
Tgt Ion: 117 Resp: 60676

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.8#

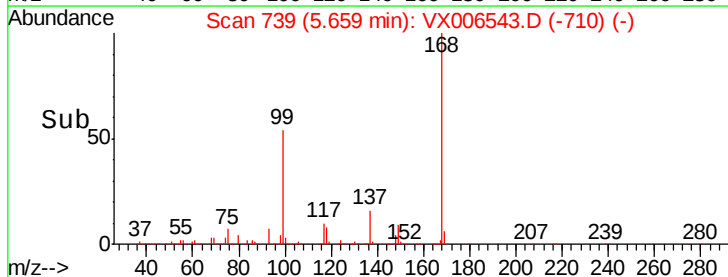
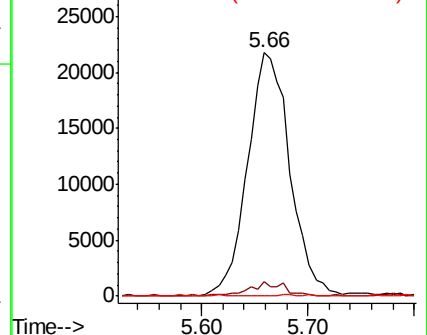
121 0.0 24.6 37.0#

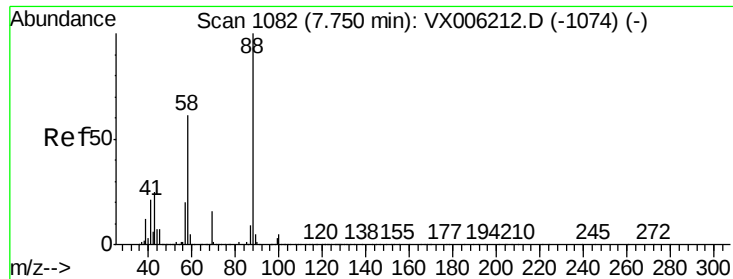


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.662 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VX006543.D

Acq: 15 Dec 2018 04:47

Instrument :
MSVOA_X
ClientSampleId :

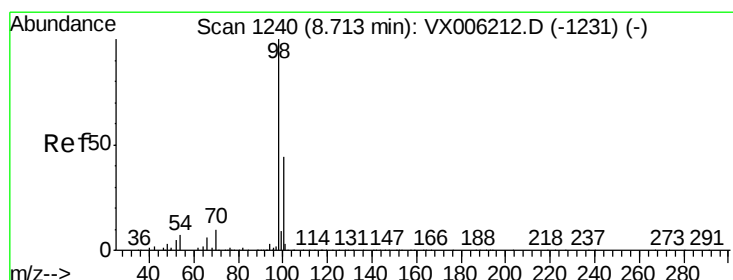
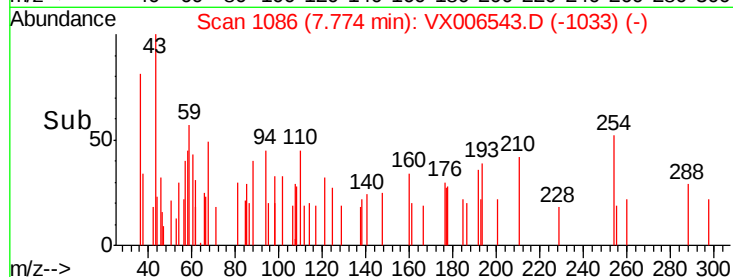
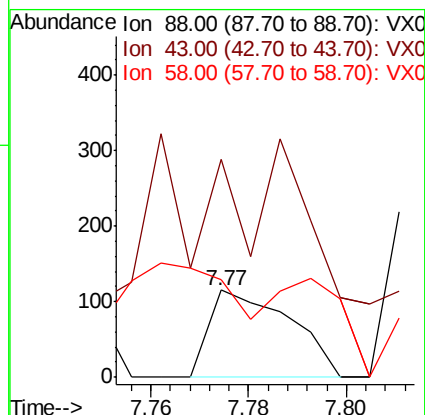
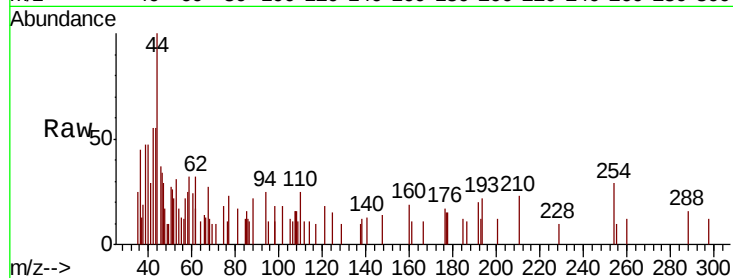
Tot Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

43 193.9 23.2 34.8#

58 252.7 51.4 77.0#



#50

Toluene-d8

Concen: 50.121 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006543.D

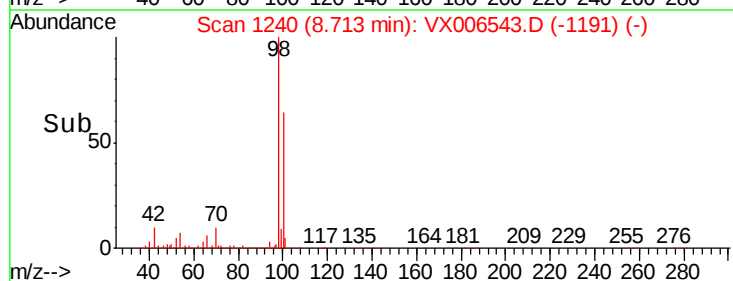
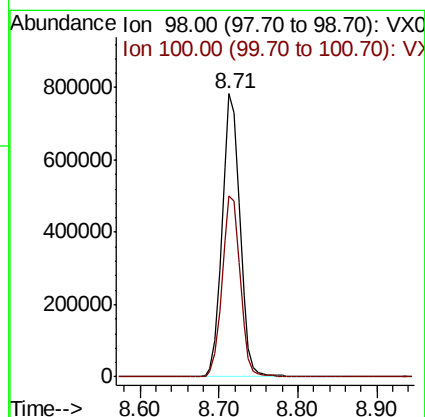
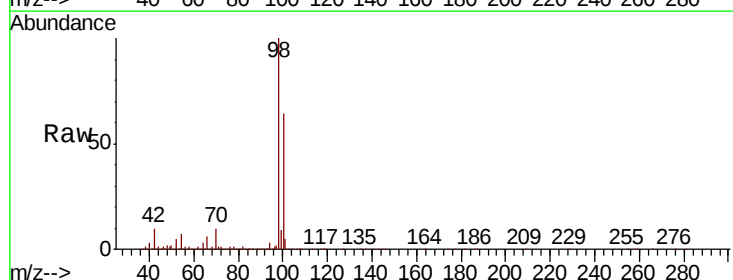
Acq: 15 Dec 2018 04:47

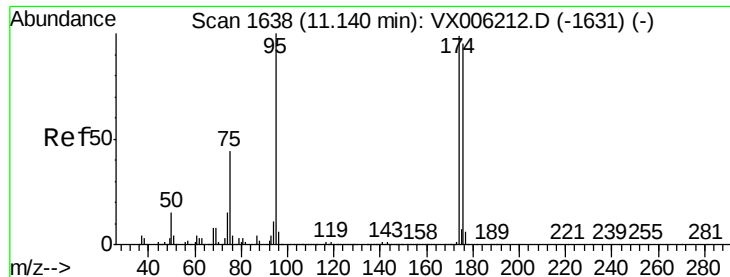
Tgt Ion: 98 Resp: 1239244

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 48.975 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006543.D

Acq: 15 Dec 2018 04:47

Instrument :

MSVOA_X

ClientSampleId :

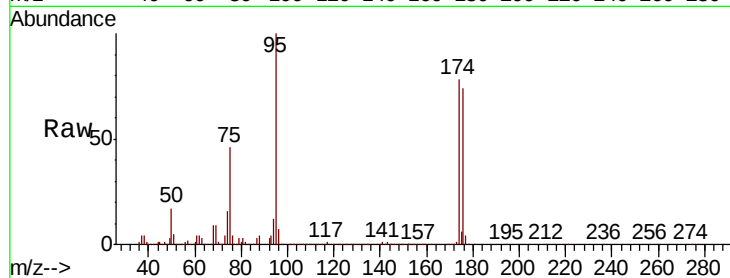
Tot Ion: 95 Resp: 456303

Ion Ratio Lower Upper

95 100

174 84.0 0.0 187.0

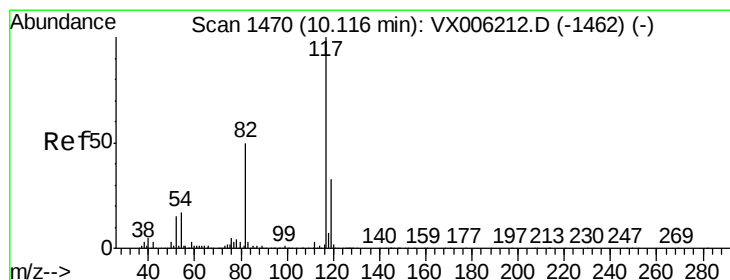
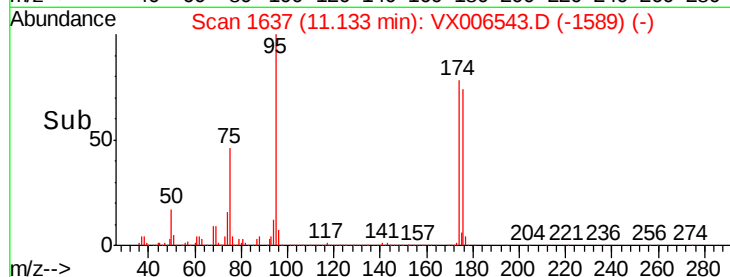
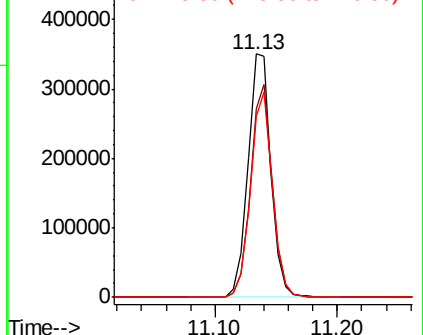
176 81.2 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006212.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006212.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006212.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006543.D

Acq: 15 Dec 2018 04:47

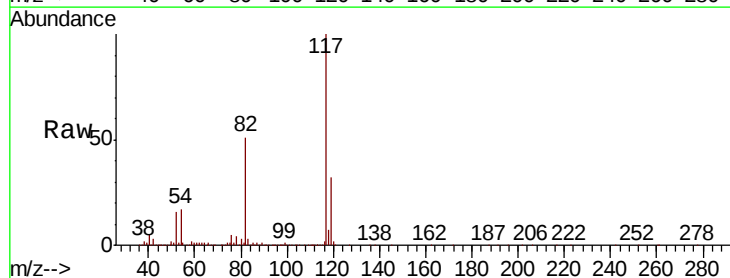
Tgt Ion: 117 Resp: 949776

Ion Ratio Lower Upper

117 100

82 51.5 39.6 59.4

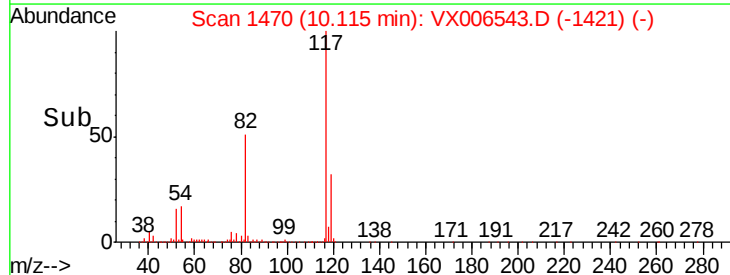
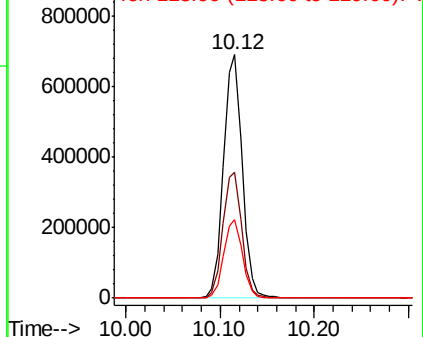
119 32.1 26.3 39.5

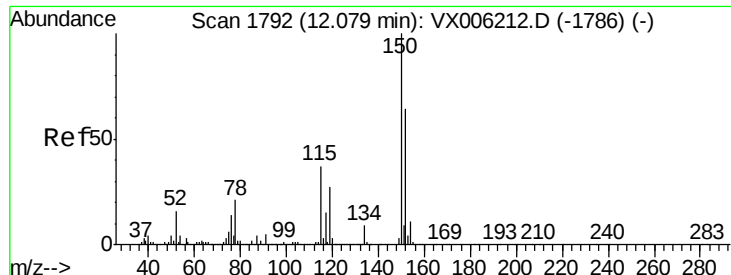


Abundance Ion 116.90 (116.60 to 117.60): VX006212.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006212.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006212.D (-1462) (-)



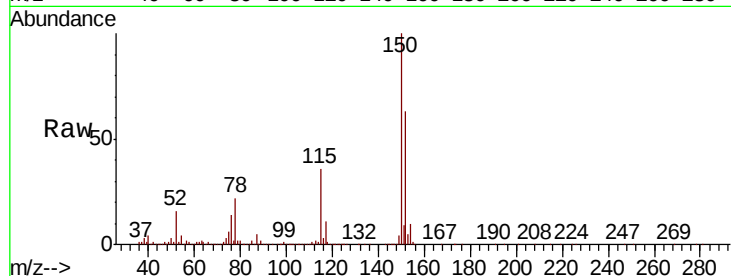


#72

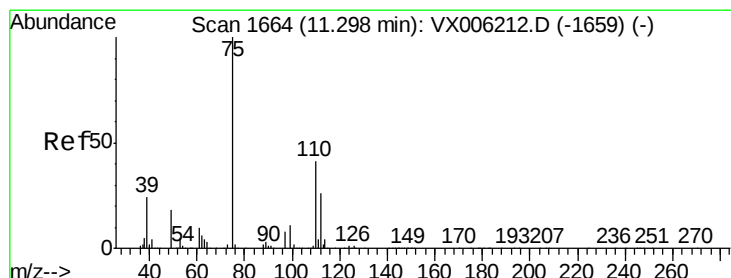
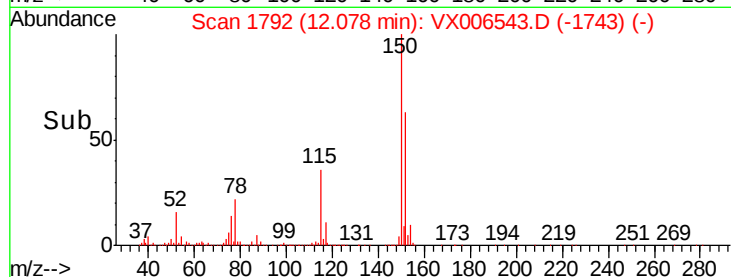
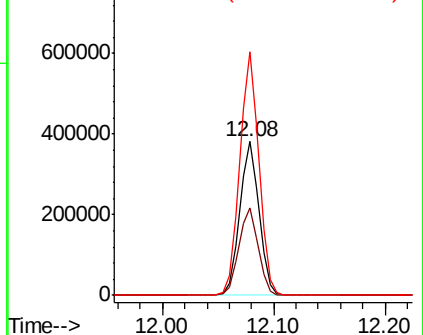
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006543.D
Acq: 15 Dec 2018 04:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.2	39.0	116.9
150	157.9	0.0	345.8



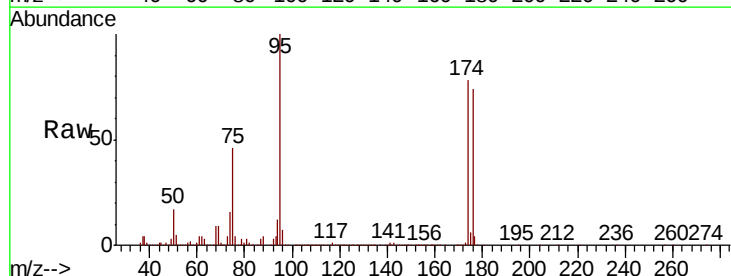
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



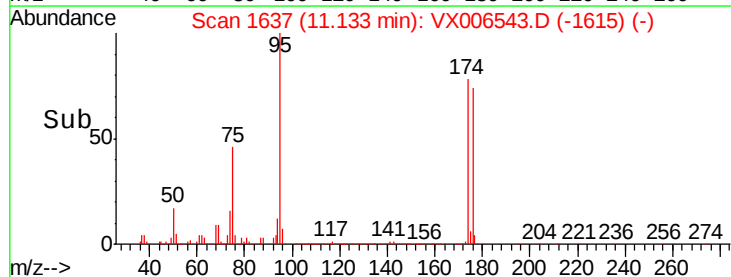
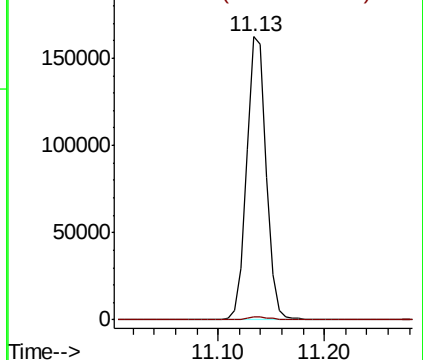
#76

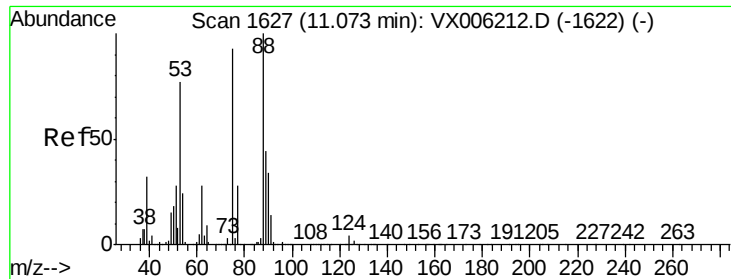
1,2,3-Trichloropropane
Concen: 23.884 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006543.D
Acq: 15 Dec 2018 04:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.9	59.7



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: 56.050 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006543.D

Acq: 15 Dec 2018 04:47

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 209957

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#

