

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120318\
 Data File : VX006252.D
 Acq On : 03 Dec 2018 14:44
 Operator : JC/MD
 Sample : J6153-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-9.41

Quant Time: Dec 04 04:56:26 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	5.67	168	902723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1364755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1233745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	605756	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	448636	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	5.51	113	436446	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	8.71	98	1568316	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	11.14	95	584126	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	

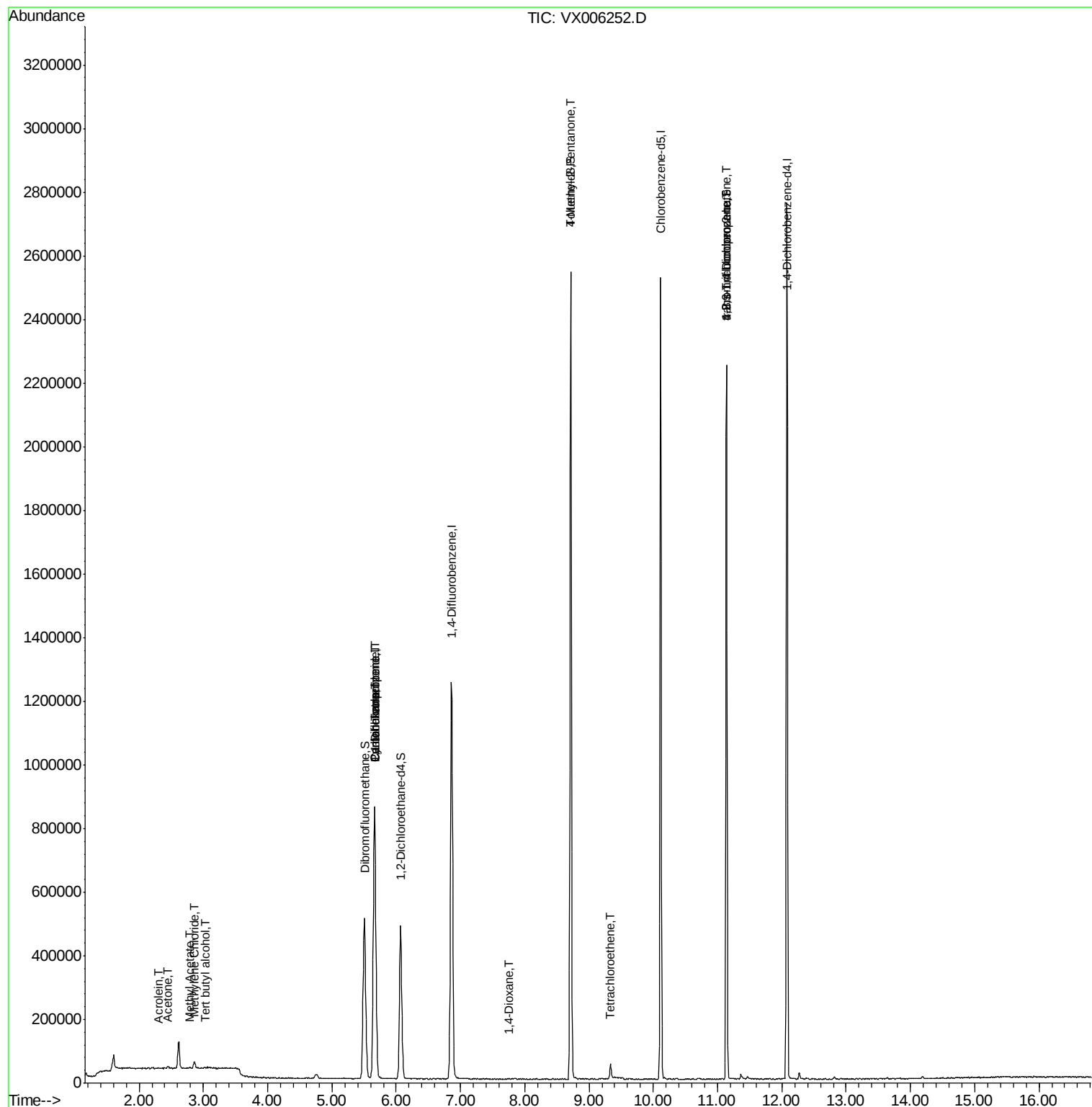
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	3129	1.242	ug/l #	84
13) Acrolein	2.31	56	423	0.307	ug/l #	67
16) Acetone	2.45	43	8747	2.023	ug/l #	84
18) Methyl Acetate	2.78	43	3813	0.264	ug/l #	89
20) Methylene Chloride	2.85	84	9792	1.064	ug/l	89
31) Cyclohexane	5.66	56	13434	1.009	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	56823	4.944	ug/l #	47
38) Carbon Tetrachloride	5.67	117	79920	5.911	ug/l #	16
49) 1,4-Dioxane	7.76	88	88	0.342	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	5992	0.480	ug/l #	1
64) Tetrachloroethene	9.34	164	4411	0.475	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	268114	22.931	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	268114	53.813	ug/l #	15

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

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Quant Time: Dec 04 04:56:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006252.D

Acq: 03 Dec 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

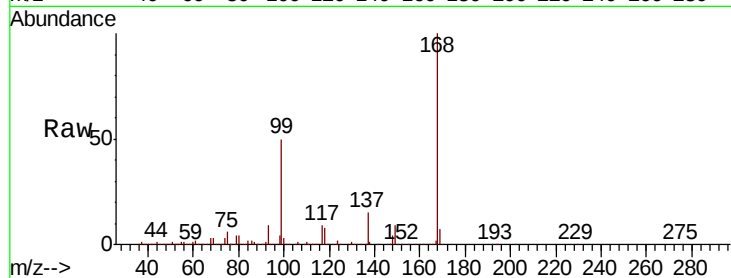
MH-9.41

Tot Ion:168 Resp: 902723

Ion Ratio Lower Upper

168 100

99 50.0 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

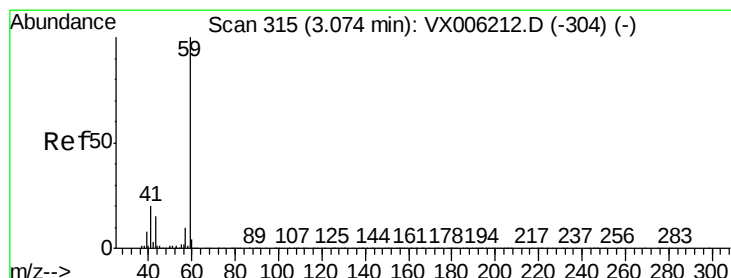
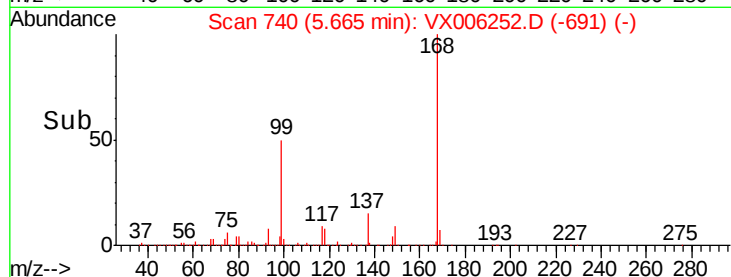
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.242 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006252.D

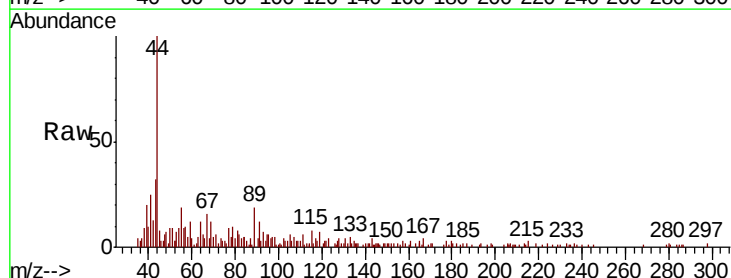
Acq: 03 Dec 2018 14:44

Tgt Ion: 59 Resp: 3129

Ion Ratio Lower Upper

59 100

57 4.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1000

800

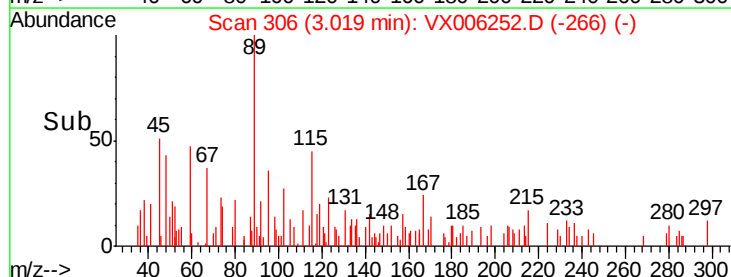
600

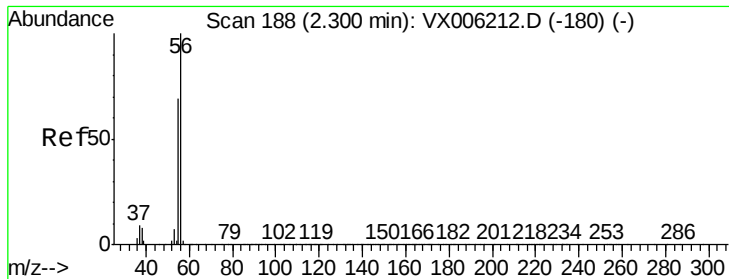
400

200

0

Time-->

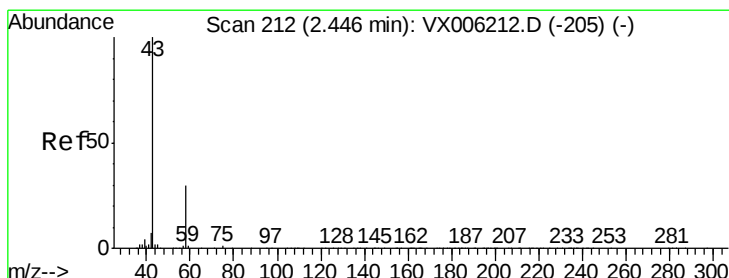
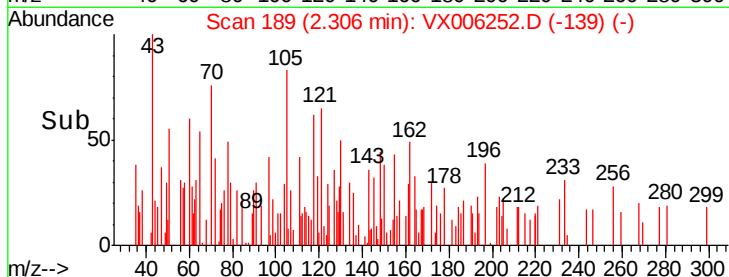
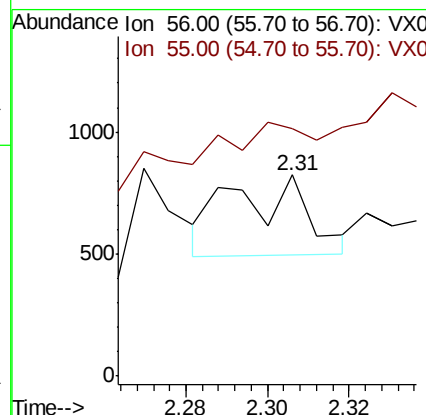
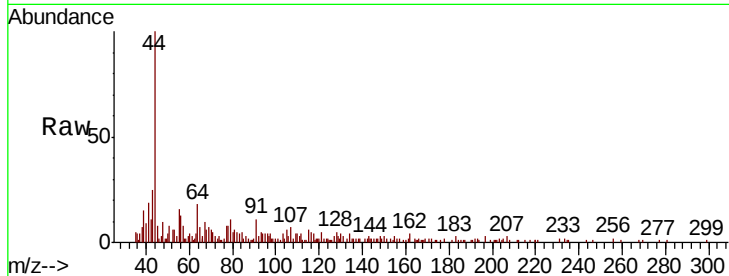




#13
Acrolein
Concen: 0.307 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX006252.D
Acq: 03 Dec 2018 14:44

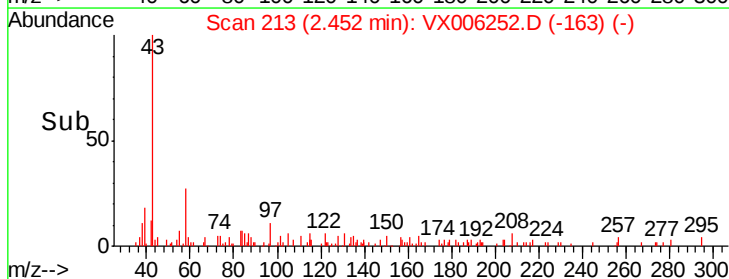
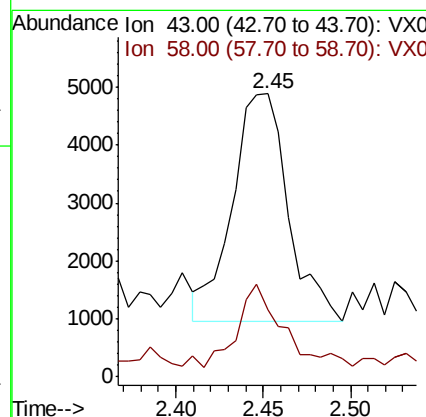
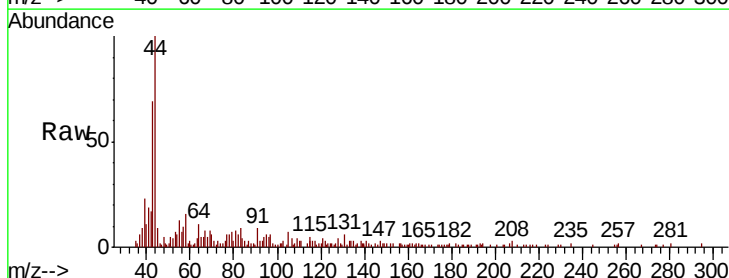
Instrument :
MSVOA_X
ClientSampleId :
MH-9.41

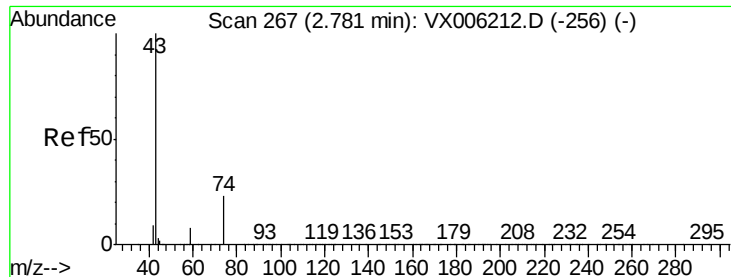
Tot Ion: 56 Resp: 423
Ion Ratio Lower Upper
56 100
55 44.7 57.8 86.6#



#16
Acetone
Concen: 2.023 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX006252.D
Acq: 03 Dec 2018 14:44

Tgt Ion: 43 Resp: 8747
Ion Ratio Lower Upper
43 100
58 21.3 24.0 36.0#





#18

Methyl Acetate

Concen: 0.264 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006252.D

Acq: 03 Dec 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

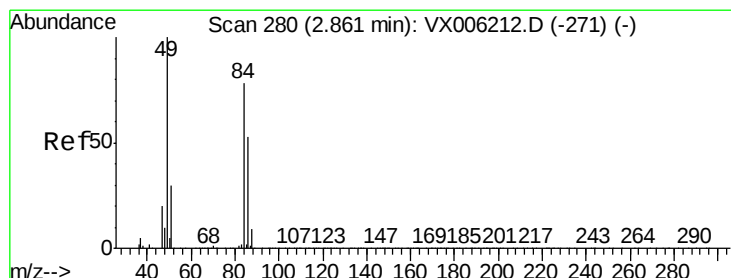
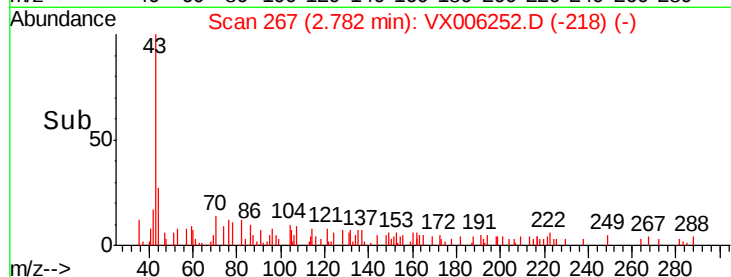
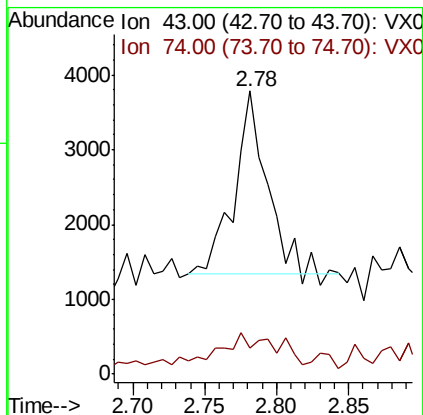
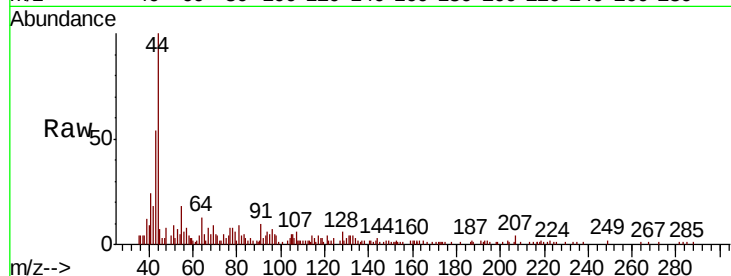
MH-9.41

Tot Ion: 43 Resp: 3813

Ion Ratio Lower Upper

43 100

74 27.6 17.9 26.9#



#20

Methylene Chloride

Concen: 1.064 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006252.D

Acq: 03 Dec 2018 14:44

Tgt Ion: 84 Resp: 9792

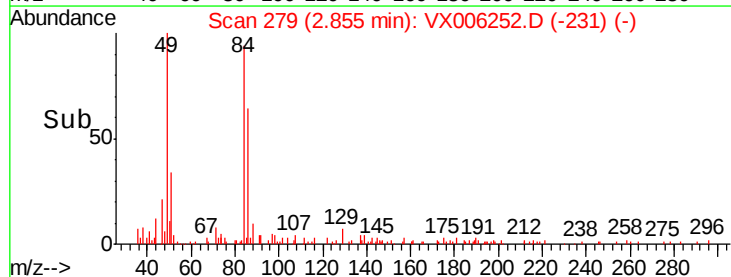
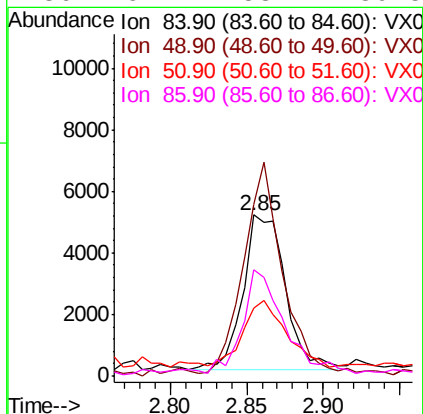
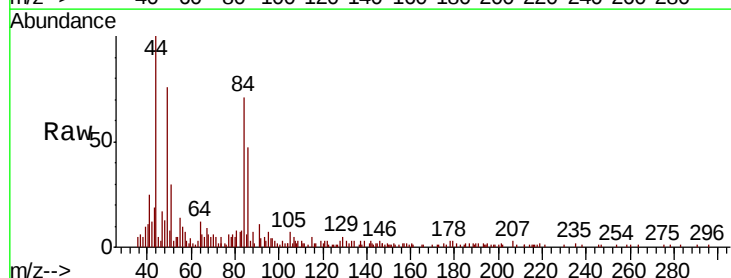
Ion Ratio Lower Upper

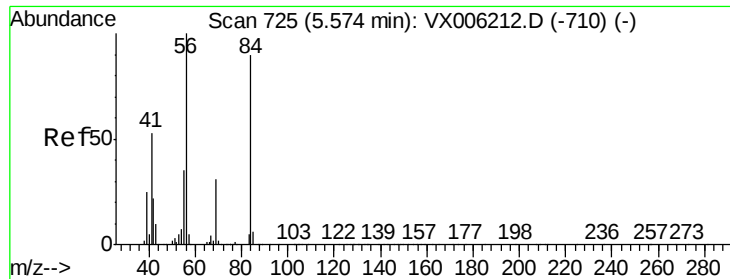
84 100

49 108.0 102.2 153.4

51 36.8 31.1 46.7

86 64.2 53.7 80.5





#31

Cyclohexane

Concen: 1.009 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX006252.D

Acq: 03 Dec 2018 14:44

Instrument :

MSVOA_X

ClientSampled :

MH-9.41

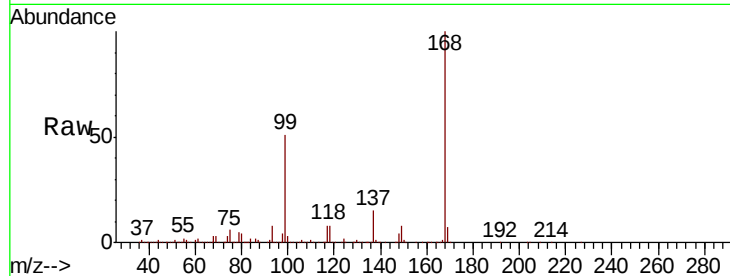
Tot Ion: 56 Resp: 13434

Ion Ratio Lower Upper

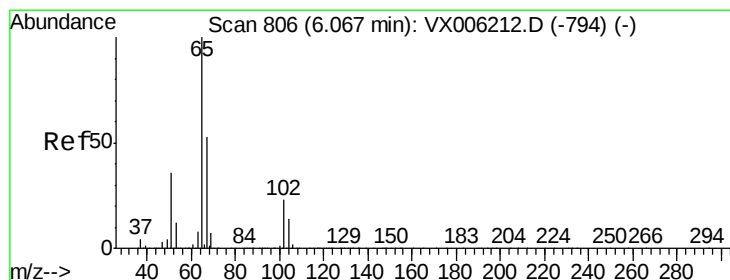
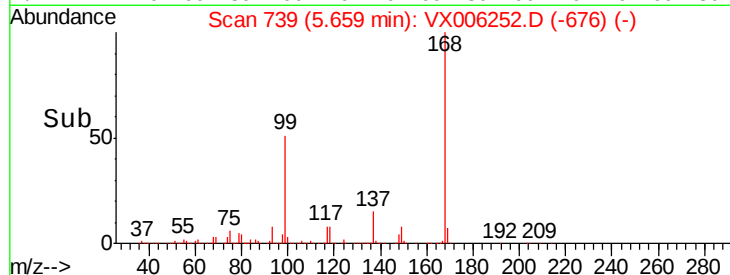
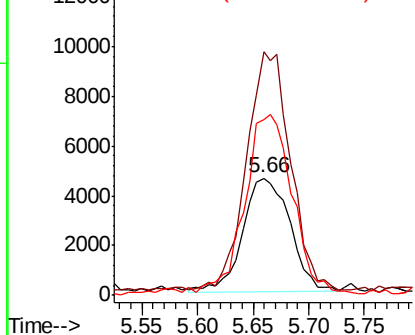
56 100

69 210.1 24.5 36.7#

84 151.9 71.8 107.6#



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: 48.684 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006252.D

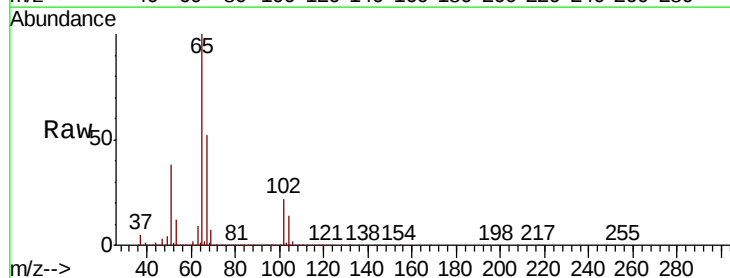
Acq: 03 Dec 2018 14:44

Tgt Ion: 65 Resp: 448636

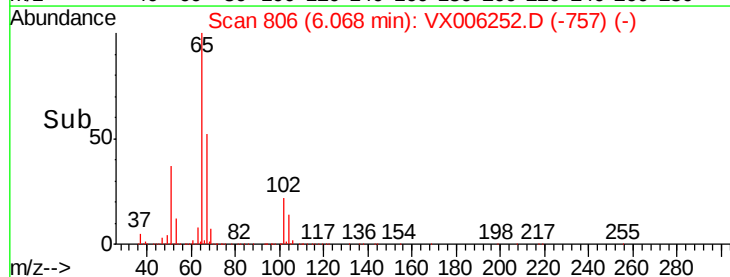
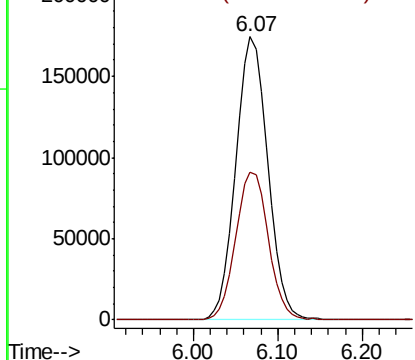
Ion Ratio Lower Upper

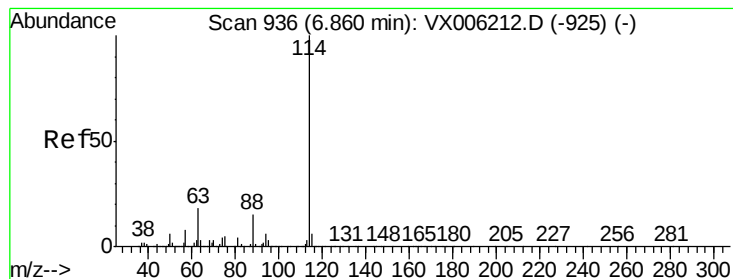
65 100

67 53.2 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: VX006252.D

Acq: 03 Dec 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

MH-9.41

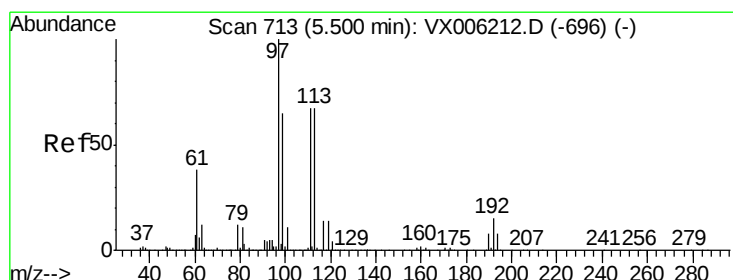
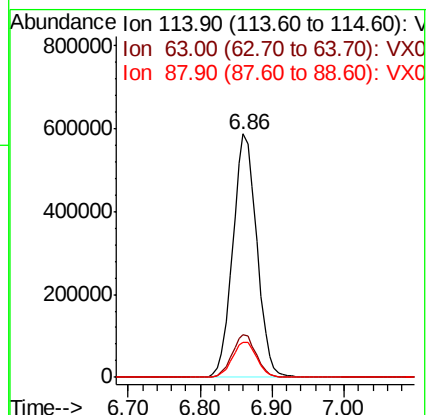
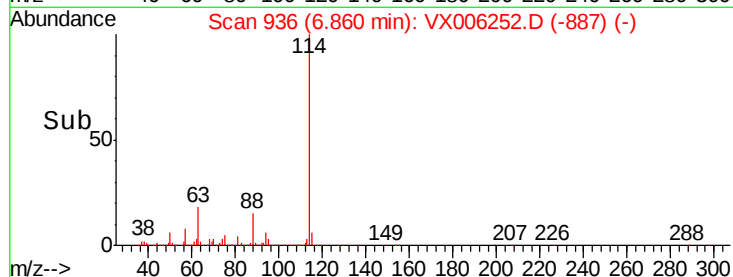
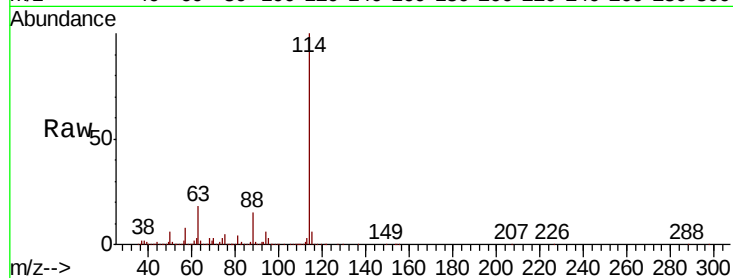
Tot Ion:114 Resp: 1364755

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.393 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006252.D

Acq: 03 Dec 2018 14:44

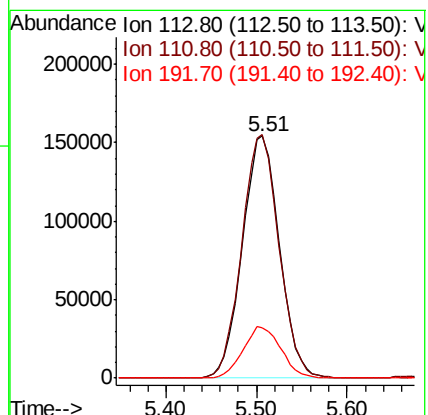
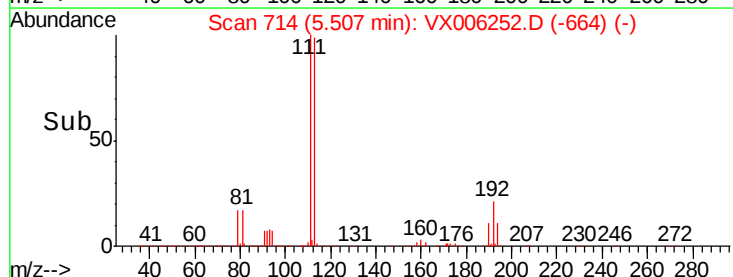
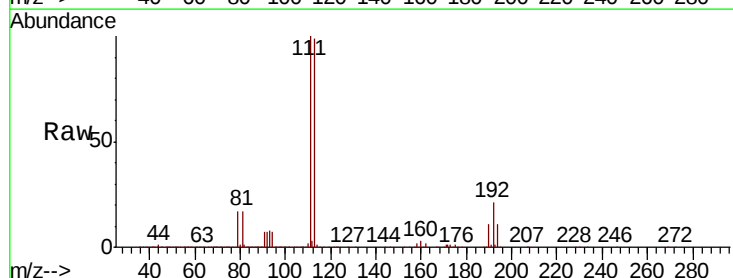
Tgt Ion:113 Resp: 436446

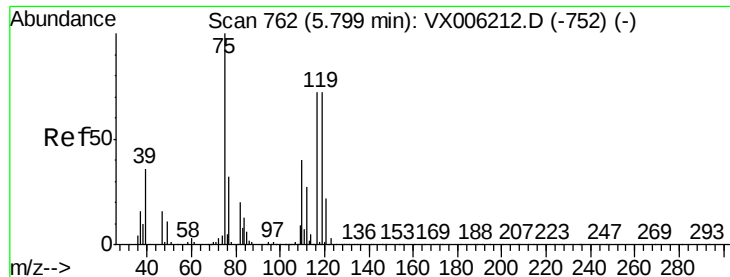
Ion Ratio Lower Upper

113 100

111 101.1 81.1 121.7

192 21.8 18.2 27.2

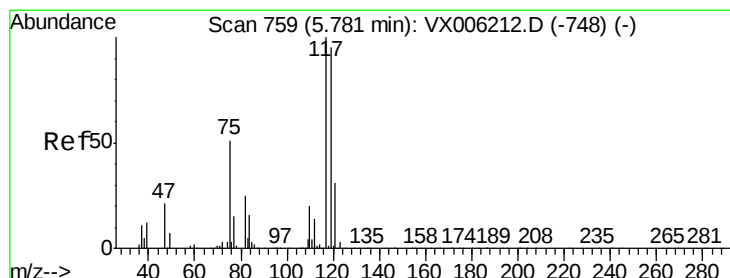
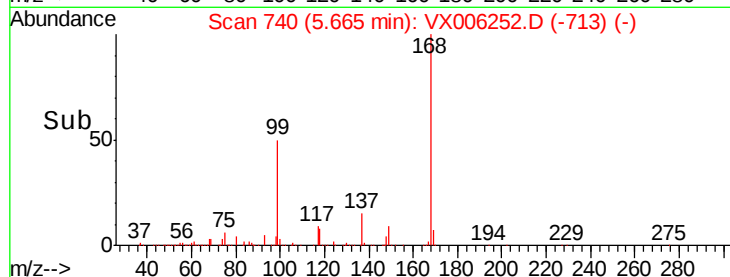
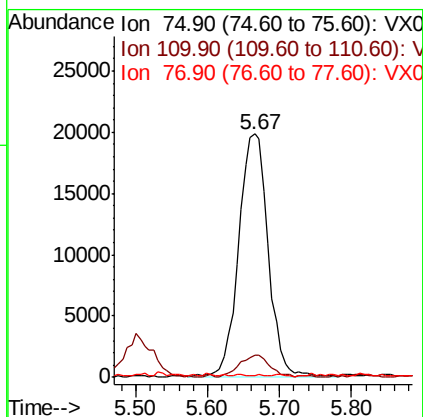
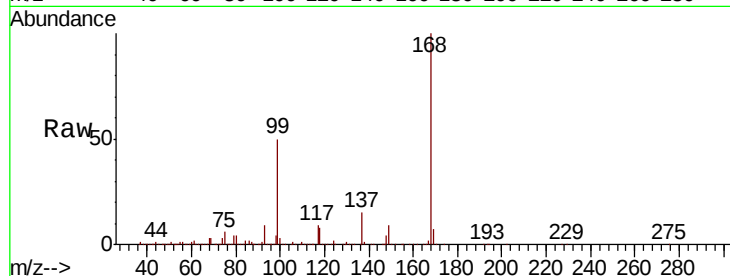




#36
 1,1-Dichloropropene
 Concen: 4.944 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006252.D
 Acq: 03 Dec 2018 14:44

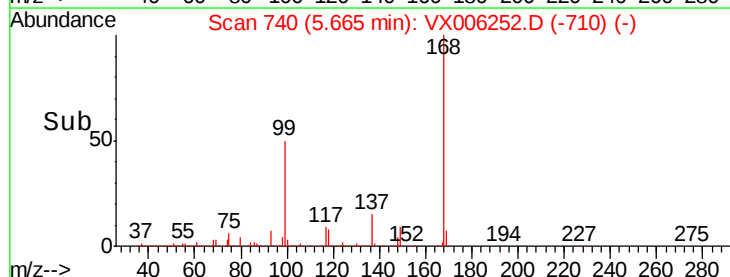
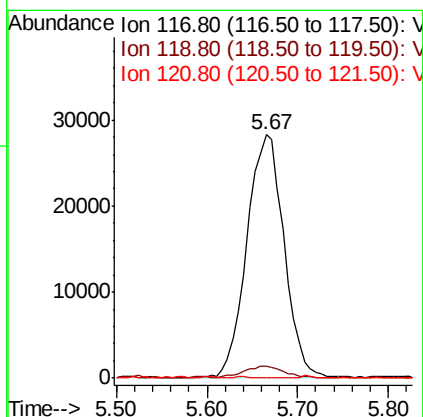
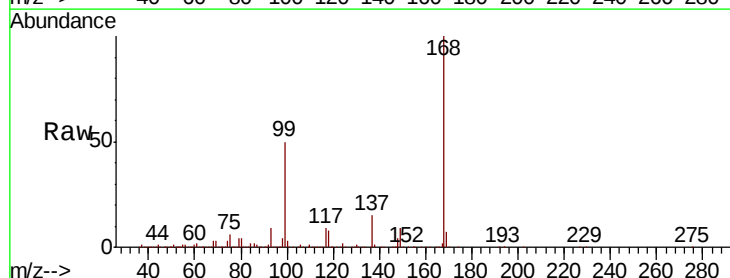
Instrument :
 MSVOA_X
 ClientSampled :
 MH-9.41

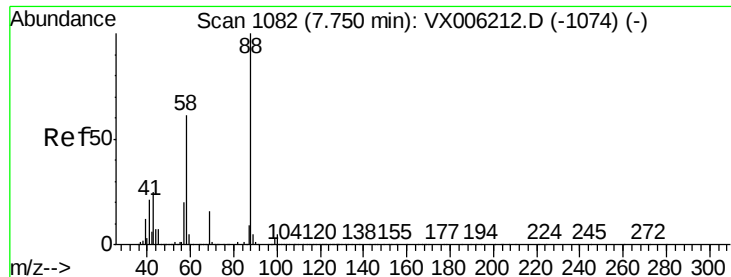
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	20.4	61.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.911 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006252.D
 Acq: 03 Dec 2018 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.8#
121	0.2	24.6	37.0#

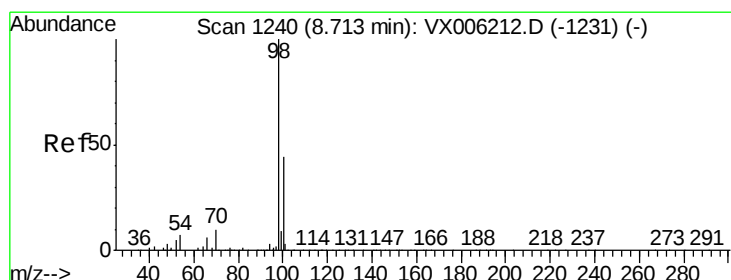
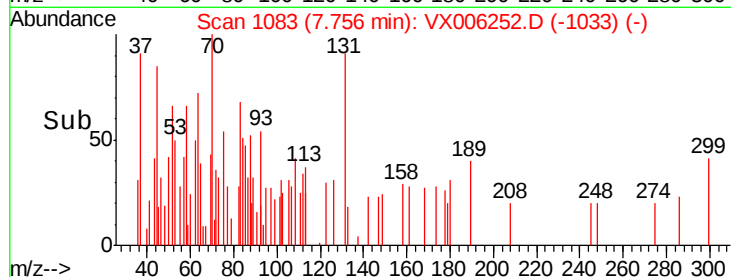
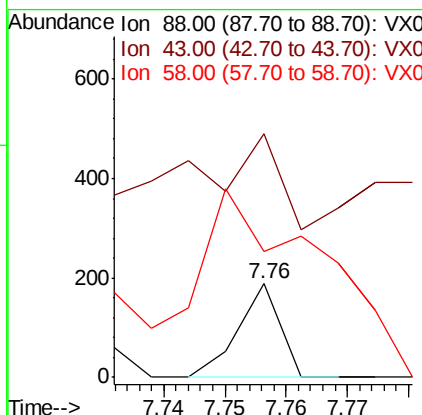
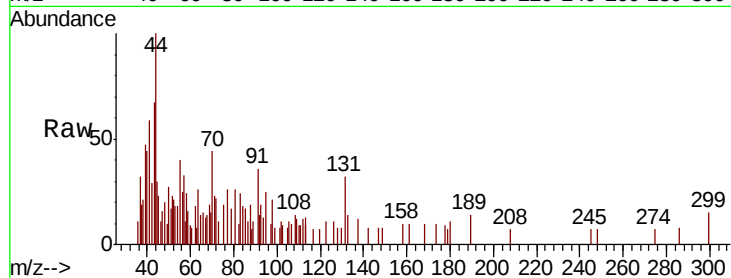




#49
1,4-Dioxane
Concen: 0.342 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006252.D
Acq: 03 Dec 2018 14:44

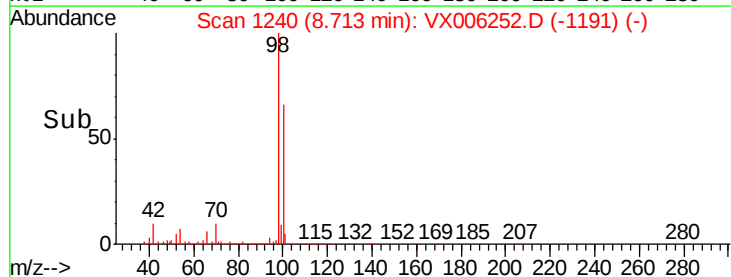
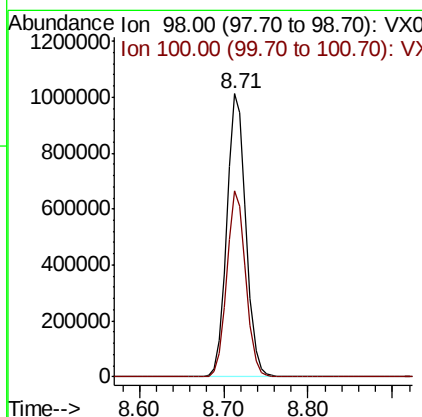
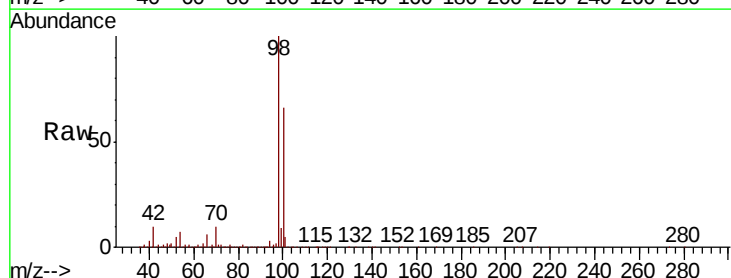
Instrument :
MSVOA_X
ClientSampleId :
MH-9.41

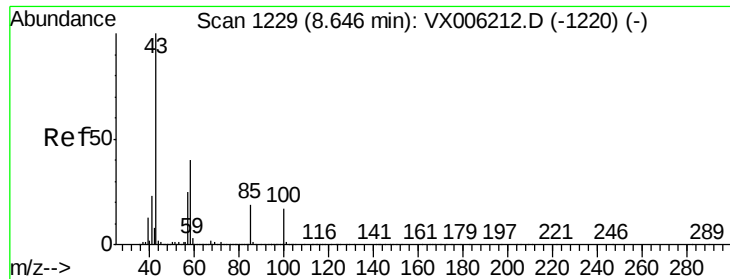
Tot Ion: 88 Resp: 88
Ion Ratio Lower Upper
88 100
43 419.3 23.2 34.8#
58 704.5 51.4 77.0#



#50
Toluene-d8
Concen: 48.795 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006252.D
Acq: 03 Dec 2018 14:44

Tgt Ion: 98 Resp: 1568316
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 0.480 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX006252.D

Acq: 03 Dec 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

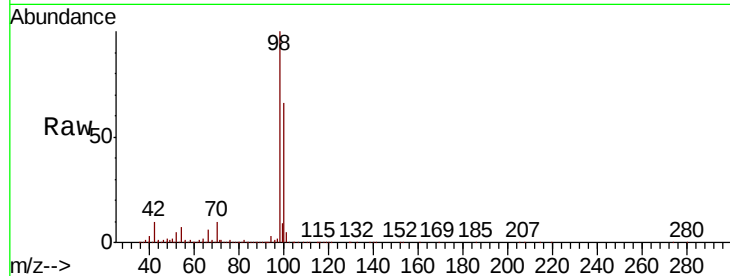
MH-9.41

Tot Ion: 43 Resp: 5992

Ion Ratio Lower Upper

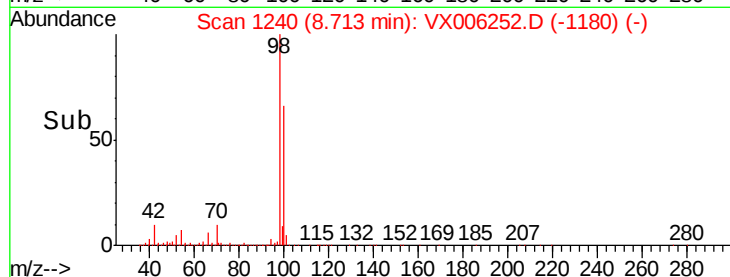
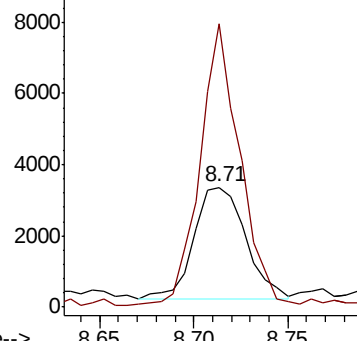
43 100

58 191.7 31.3 46.9#

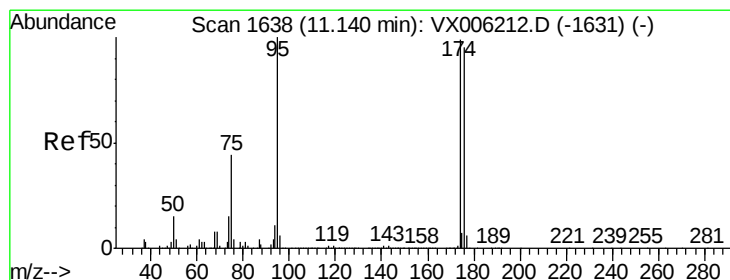


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 48.228 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006252.D

Acq: 03 Dec 2018 14:44

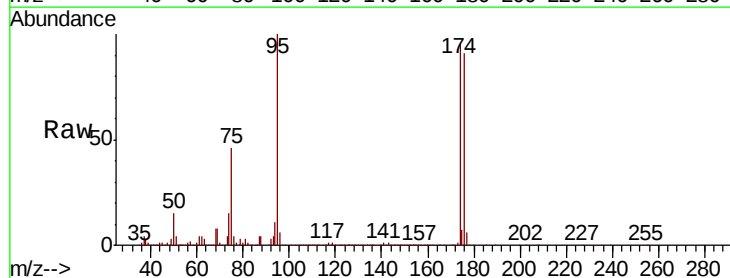
Tgt Ion: 95 Resp: 584126

Ion Ratio Lower Upper

95 100

174 90.9 0.0 187.0

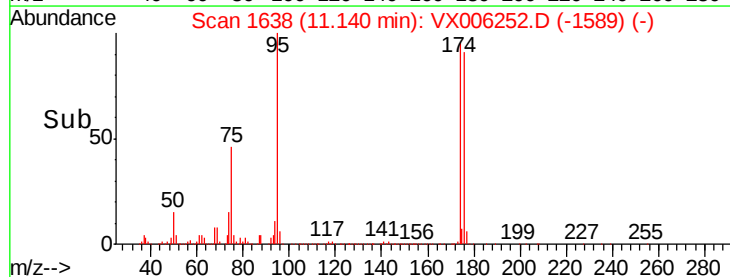
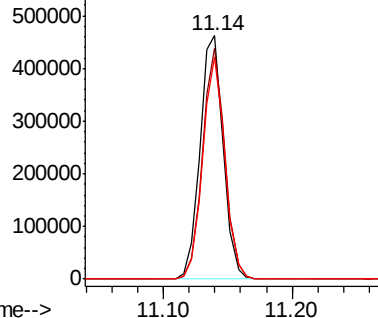
176 87.4 0.0 181.8



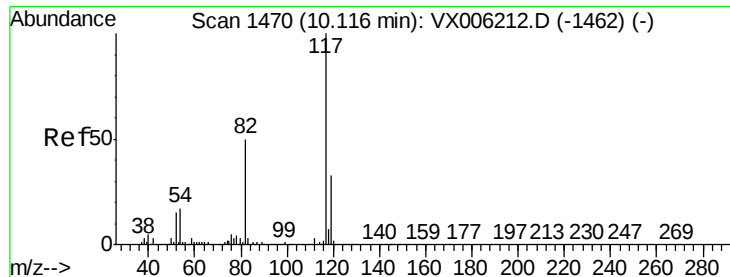
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



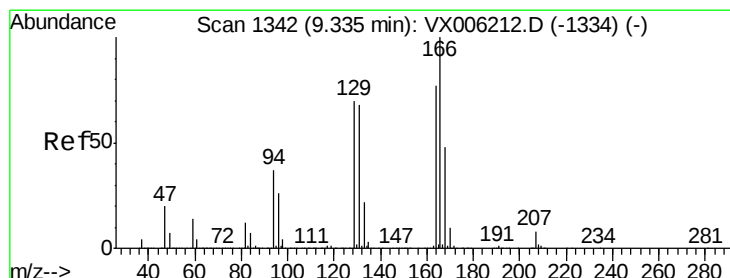
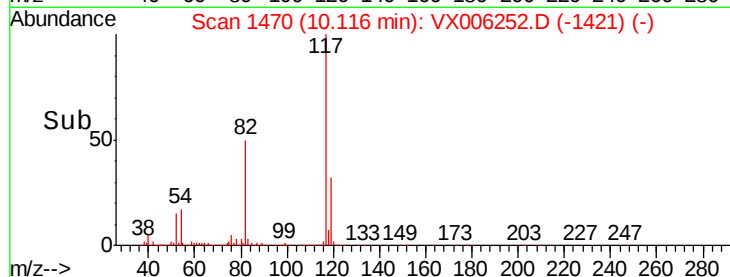
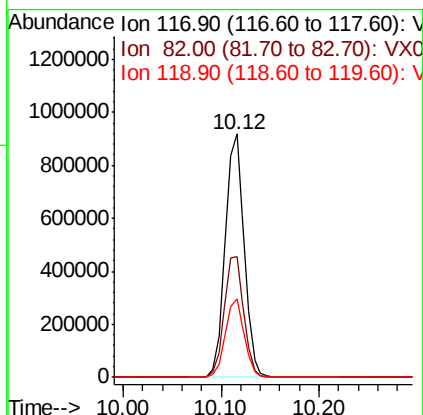
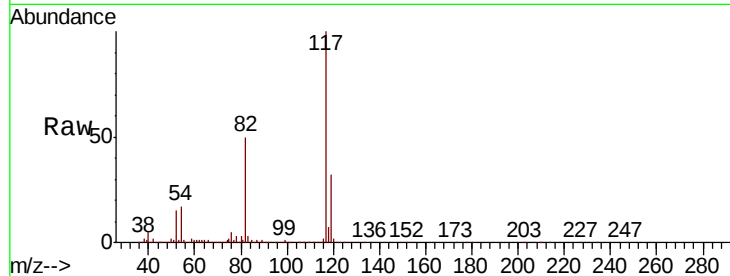
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006252.D
Acq: 03 Dec 2018 14:44

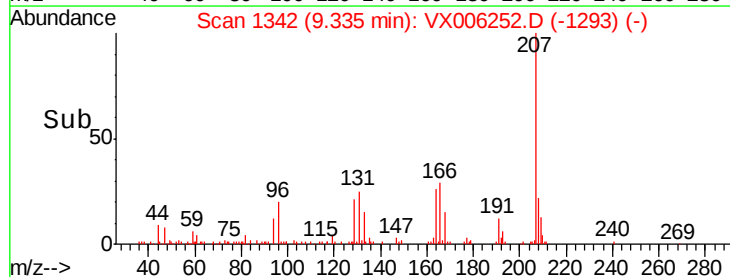
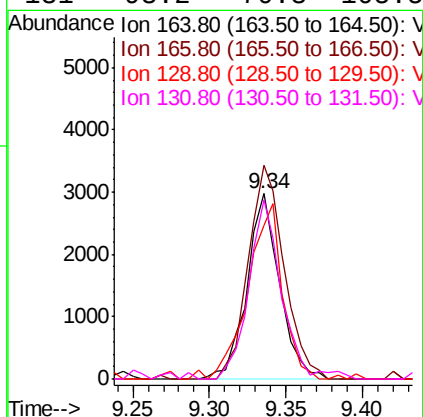
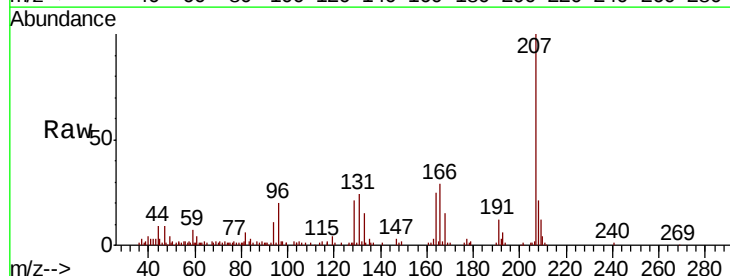
Instrument :
MSVOA_X
ClientSampleId :
MH-9.41

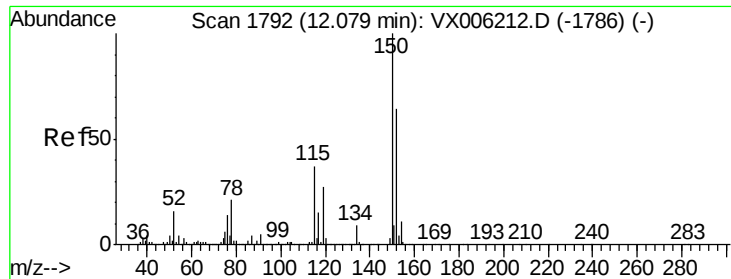
Tot Ion:117 Resp: 1233745
Ion Ratio Lower Upper
117 100
82 49.6 39.6 59.4
119 32.3 26.3 39.5



#64
Tetrachloroethene
Concen: 0.475 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006252.D
Acq: 03 Dec 2018 14:44

Tgt Ion:164 Resp: 4411
Ion Ratio Lower Upper
164 100
166 115.3 104.2 156.2
129 82.7 72.6 108.8
131 93.2 70.3 105.5



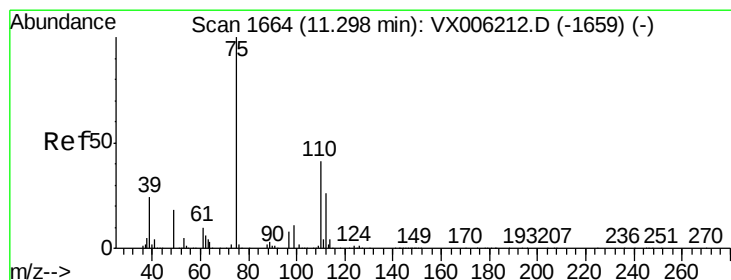
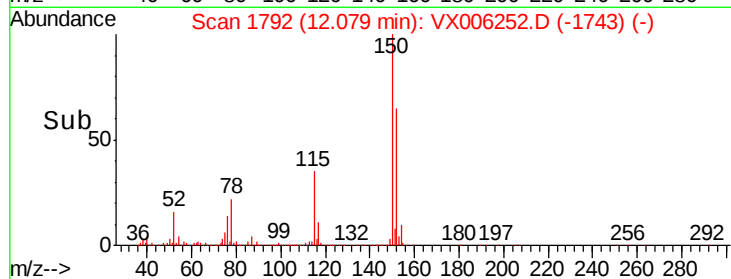
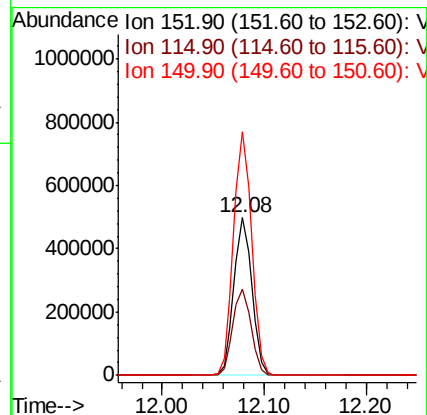
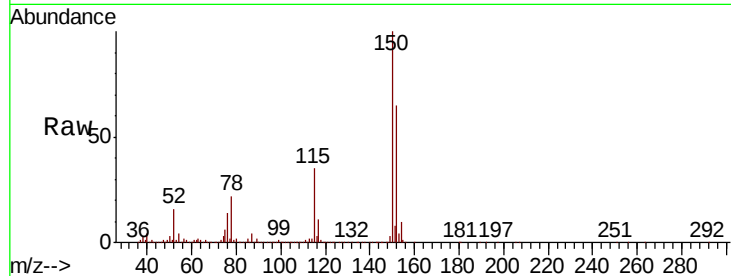


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006252.D
Acq: 03 Dec 2018 14:44

Instrument :
MSVOA_X
ClientSampled :
MH-9.41

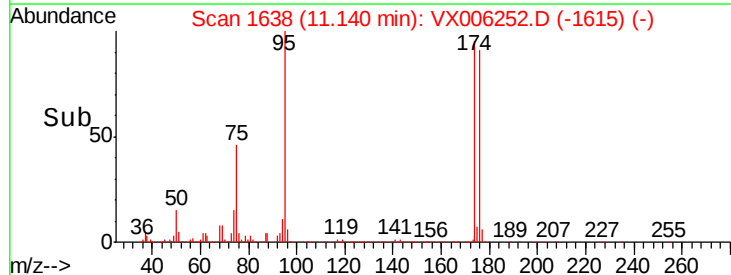
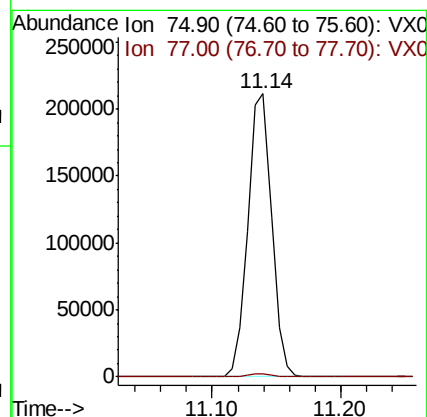
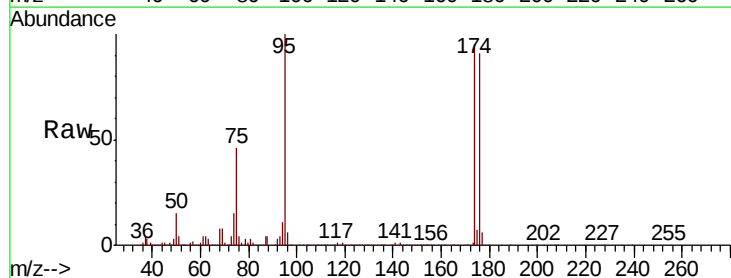
Tot Ion:152 Resp: 605756
Ion Ratio Lower Upper
152 100
115 55.6 39.0 116.9
150 156.4 0.0 345.8

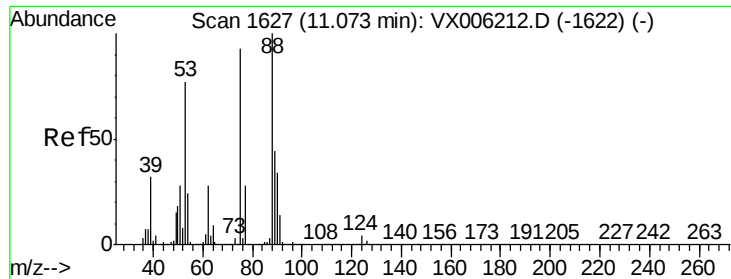


#76

1,2,3-Trichloropropane
Concen: 22.931 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX006252.D
Acq: 03 Dec 2018 14:44

Tgt Ion: 75 Resp: 268114
Ion Ratio Lower Upper
75 100
77 1.3 19.9 59.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 53.813 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006252.D

Acq: 03 Dec 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

MH-9.41

Tot Ion: 75 Resp: 268114

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

89 0.0 44.2 66.4#

