

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005910.D
 Acq On : 12 Nov 2018 19:34
 Operator : JC/MD
 Sample : J5912-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW331-181108

Quant Time: Nov 13 04:43:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	107160	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	158714	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	143042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	69911	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	66016	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
35) Dibromofluoromethane	5.50	113	51295	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	8.71	98	189704	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
62) 4-Bromofluorobenzene	11.14	95	64749	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	

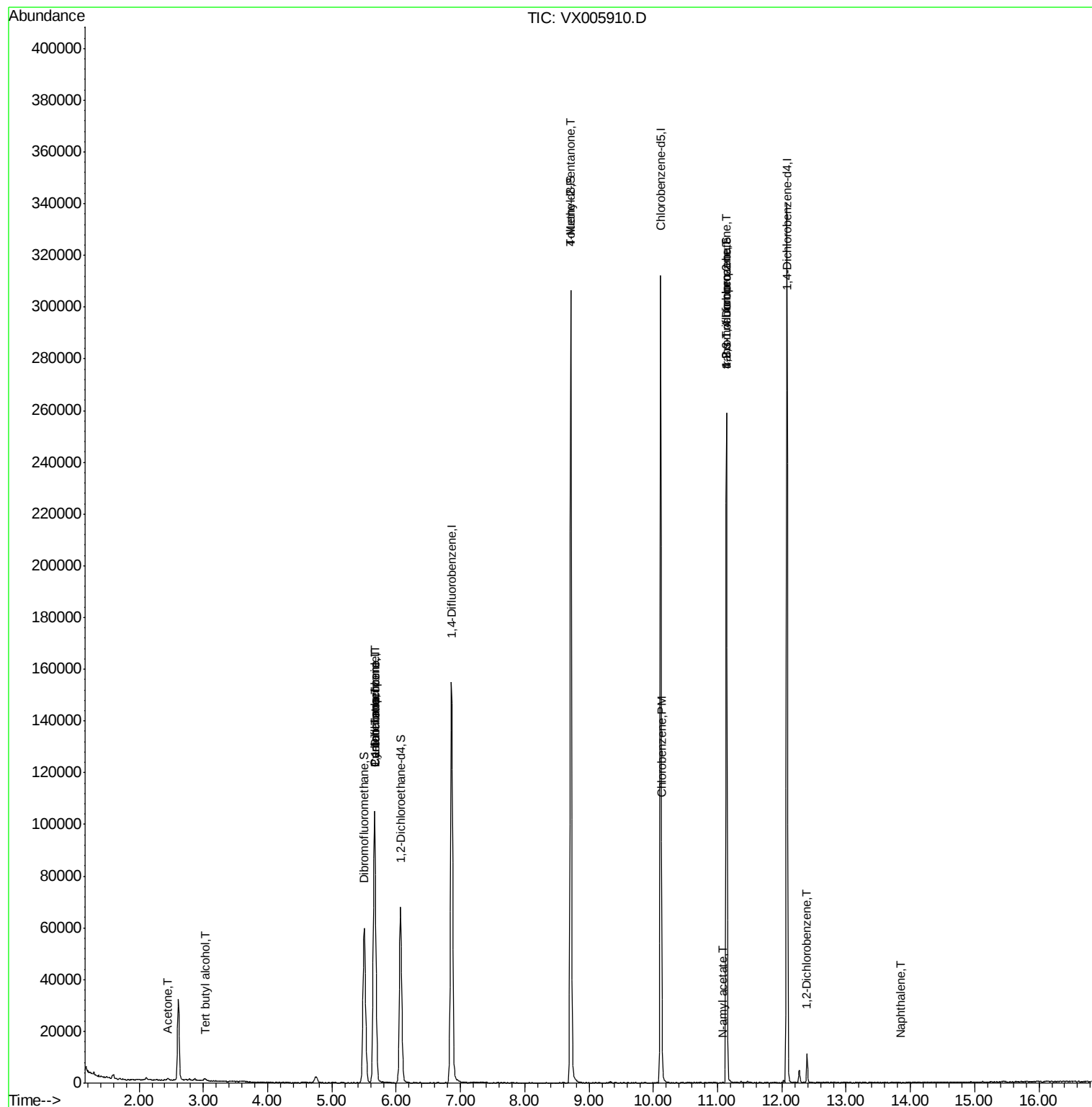
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	890	2.522	ug/l #	72
16) Acetone	2.45	43	945	1.425	ug/l #	82
18) Methyl Acetate	2.78	43	679	Below Cal	#	72
31) Cyclohexane	5.66	56	1871	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	7291	4.765	ug/l #	50
38) Carbon Tetrachloride	5.67	117	9871	6.444	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	889	0.484	ug/l #	1
65) Chlorobenzene	10.13	112	1820	0.635	ug/l	99
74) N-amyl acetate	11.07	43	98	1.293	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	32230	22.641	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	32230	72.160	ug/l #	9
91) 1,2-Dichlorobenzene	12.39	146	3829	1.748	ug/l	98
95) Naphthalene	13.83	128	94	1.196	ug/l #	69

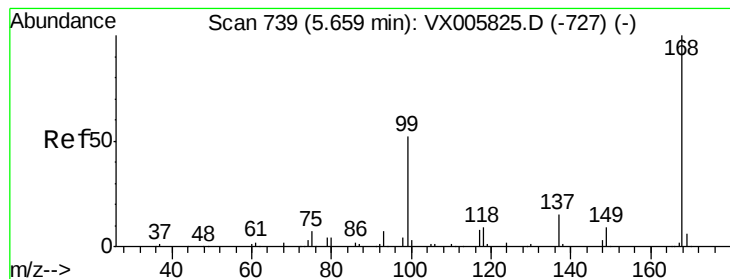
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111218\
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

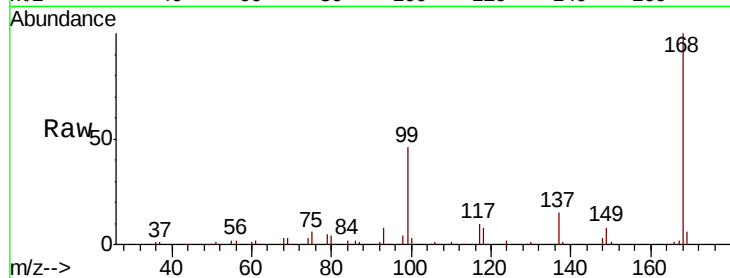
SS003MW331-181108

Tot Ion:168 Resp: 107160

Ion Ratio Lower Upper

168 100

99 46.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

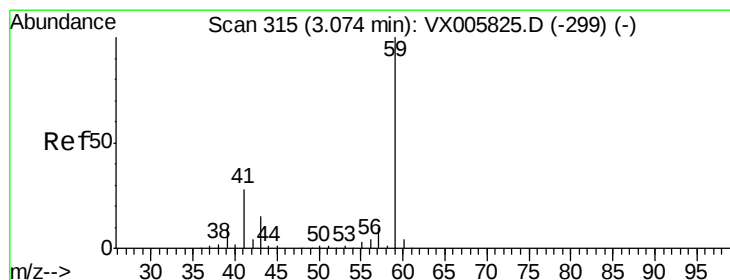
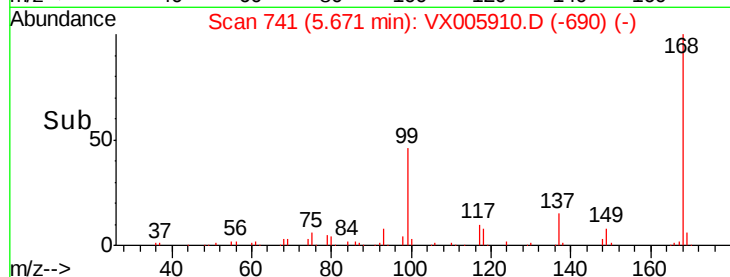
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.522 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005910.D

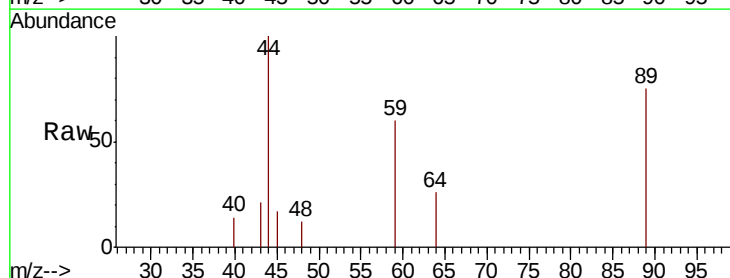
Acq: 12 Nov 2018 19:34

Tgt Ion: 59 Resp: 890

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

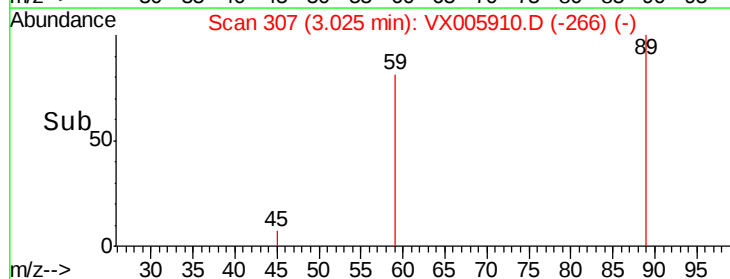
300

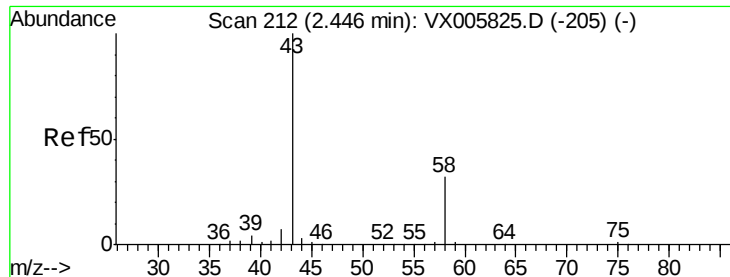
200

100

0

Time--> 2.95 3.00 3.05 3.10





#16

Acetone

Concen: 1.425 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

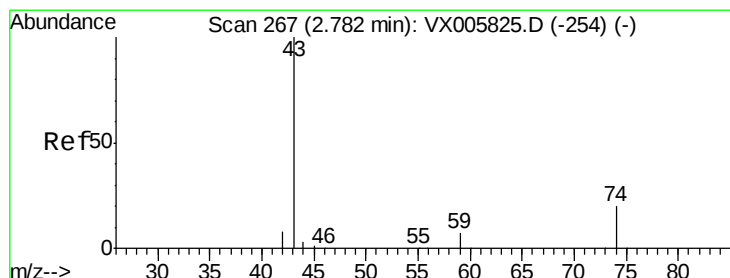
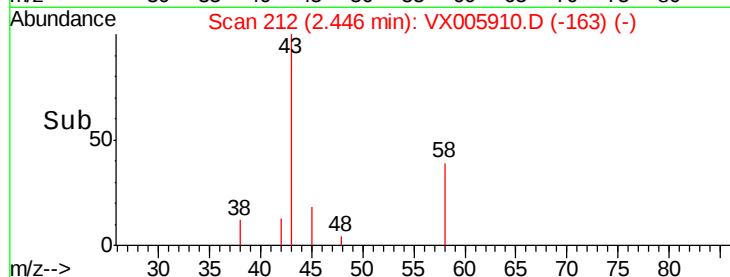
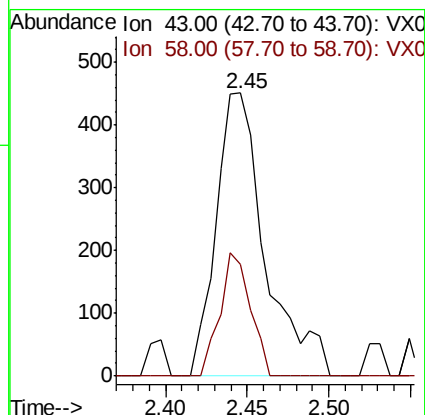
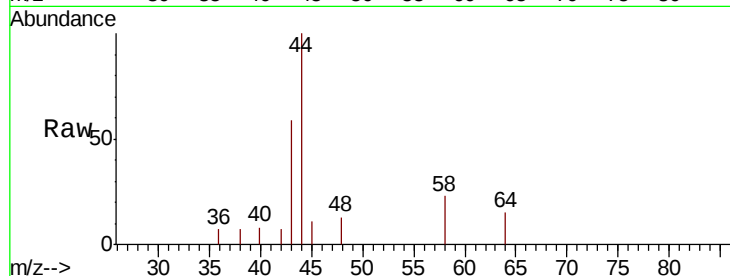
SS003MW331-181108

Tot Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

58 39.2 23.8 35.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005910.D

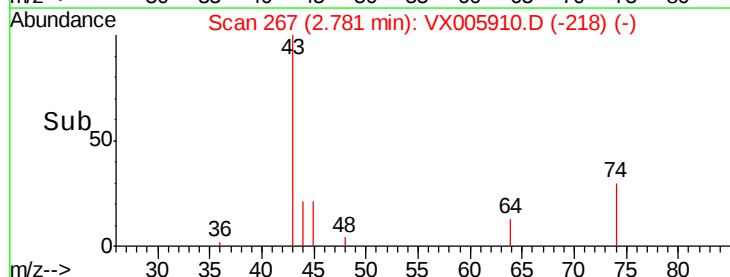
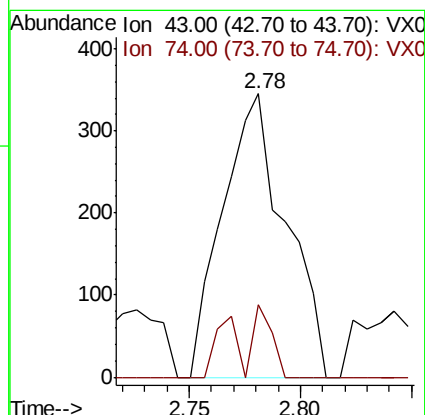
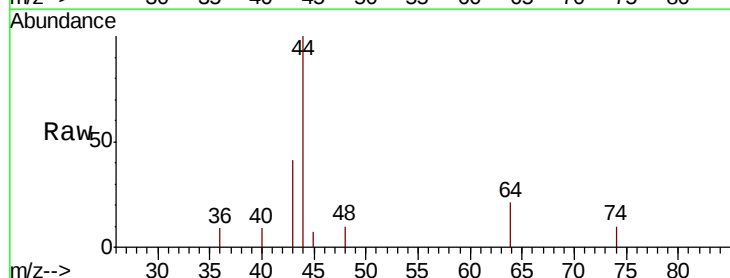
Acq: 12 Nov 2018 19:34

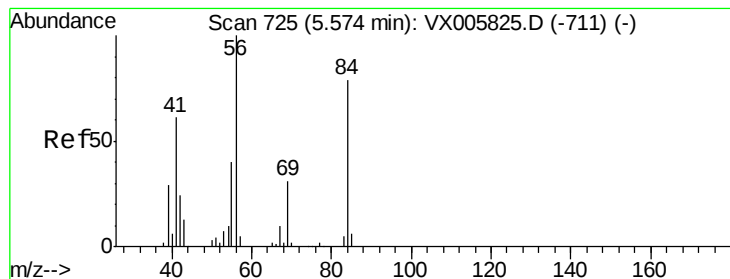
Tgt Ion: 43 Resp: 679

Ion Ratio Lower Upper

43 100

74 7.7 16.8 25.2#





#31

Cyclohexane

Concen: 1.090 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

SS003MW331-181108

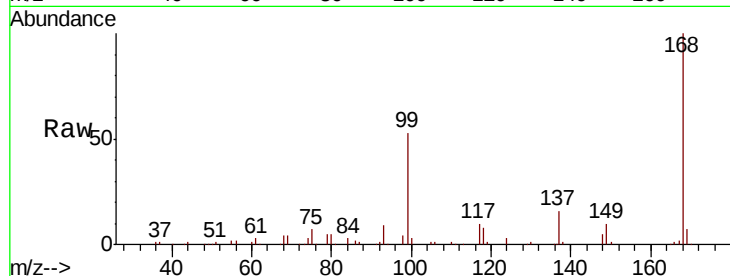
Tot Ion: 56 Resp: 1871

Ion Ratio Lower Upper

56 100

69 188.6 22.6 34.0#

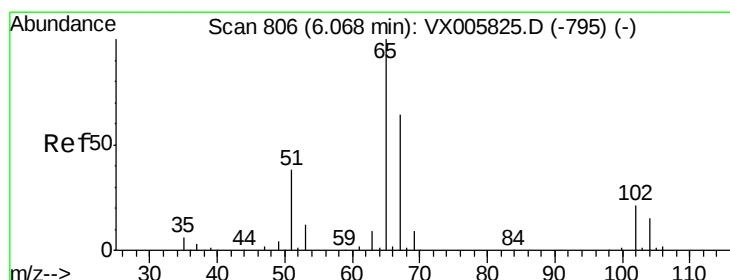
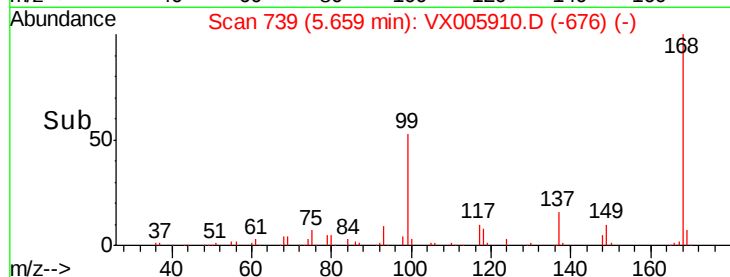
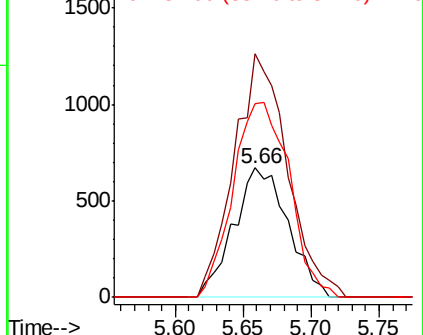
84 150.1 62.7 94.1#



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: 53.587 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005910.D

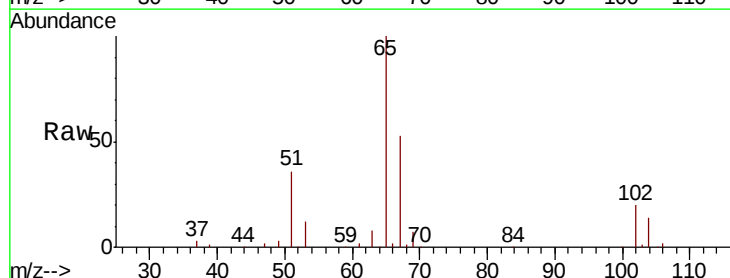
Acq: 12 Nov 2018 19:34

Tgt Ion: 65 Resp: 66016

Ion Ratio Lower Upper

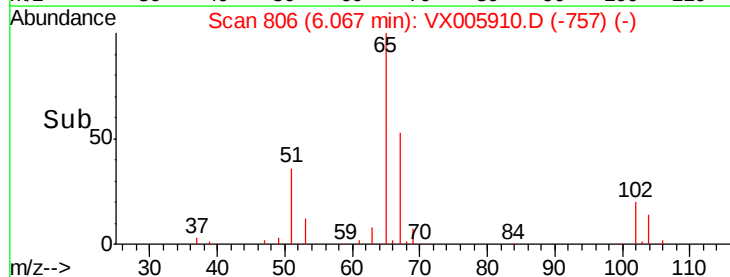
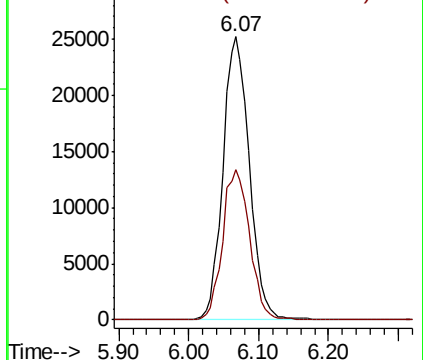
65 100

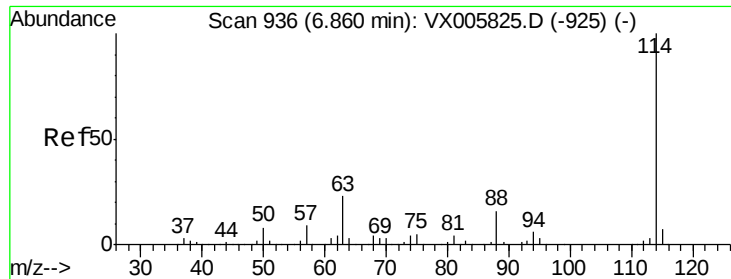
67 54.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

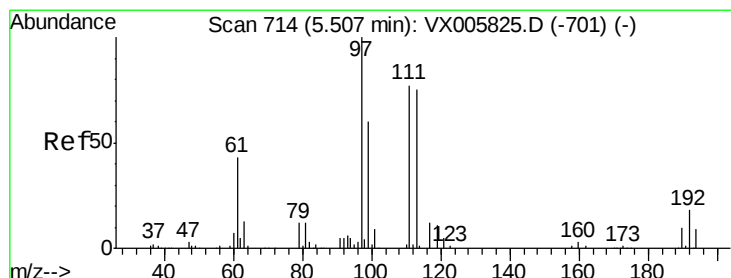
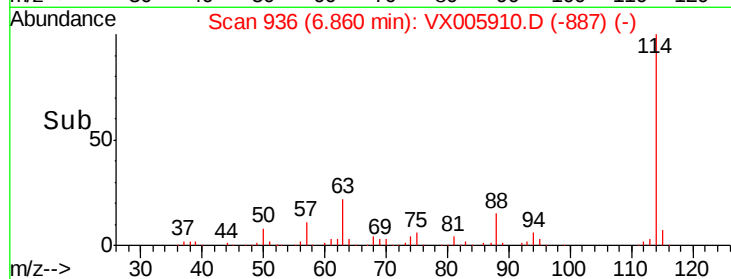
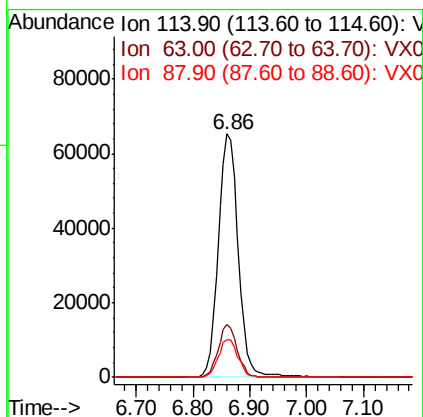
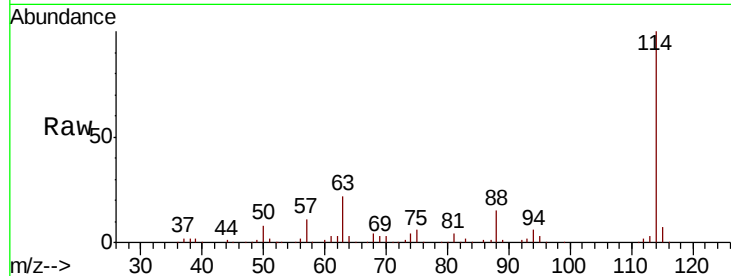




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005910.D
 Acq: 12 Nov 2018 19:34

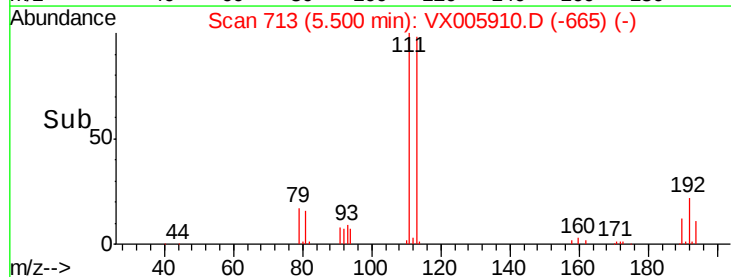
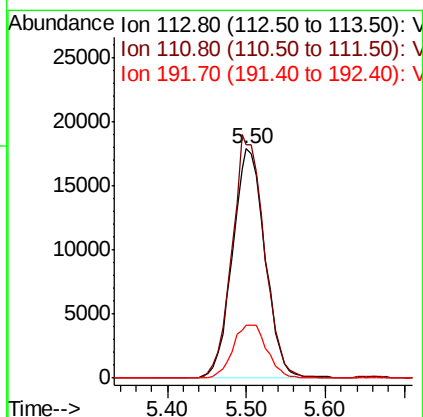
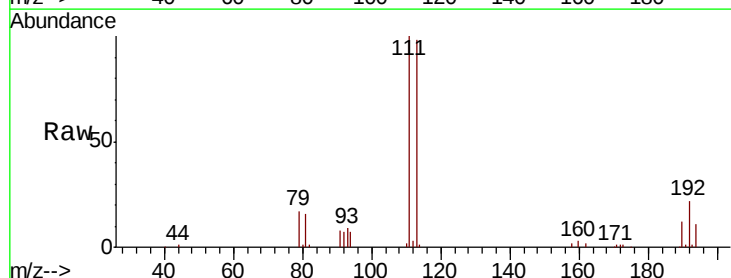
Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW331-181108

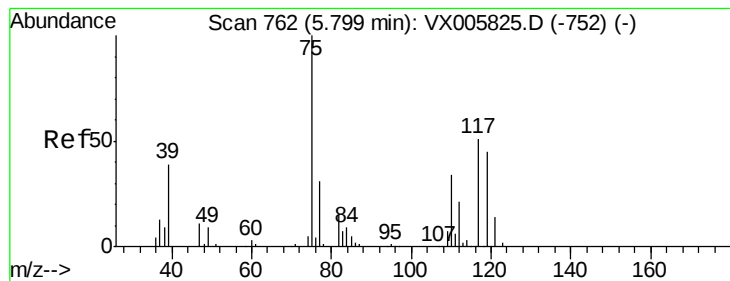
Tot Ion:114 Resp: 158714
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.8
 88 15.4 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 47.518 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005910.D
 Acq: 12 Nov 2018 19:34

Tgt Ion:113 Resp: 51295
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.3 123.5
 192 24.0 17.9 26.9





#36

1,1-Dichloropropene

Concen: 4.765 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

SS003MW331-181108

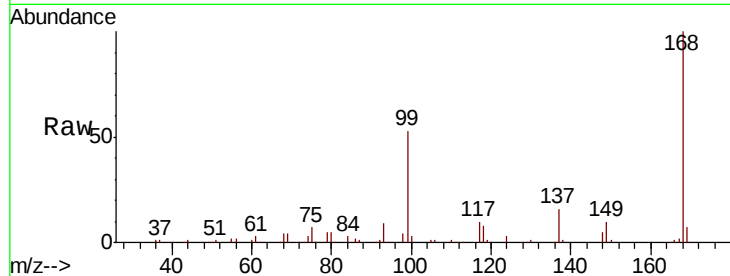
Tot Ion: 75 Resp: 7291

Ion Ratio Lower Upper

75 100

110 9.7 17.4 52.2#

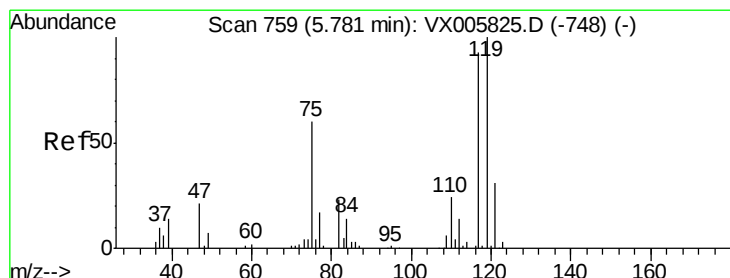
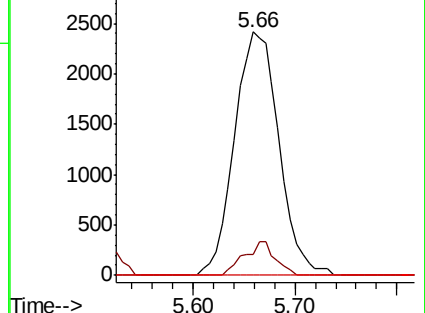
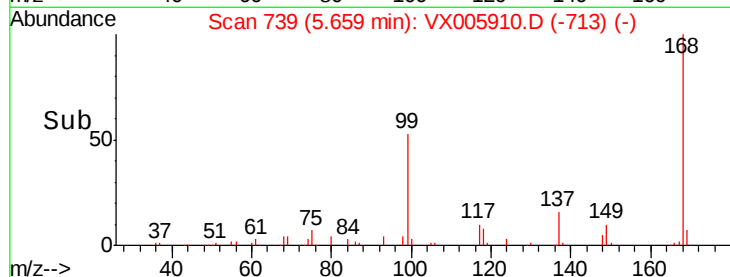
77 0.0 25.8 38.6#



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: 6.444 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

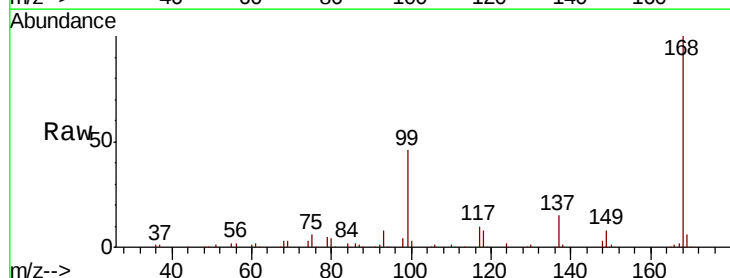
Tgt Ion: 117 Resp: 9871

Ion Ratio Lower Upper

117 100

119 4.3 78.1 117.1#

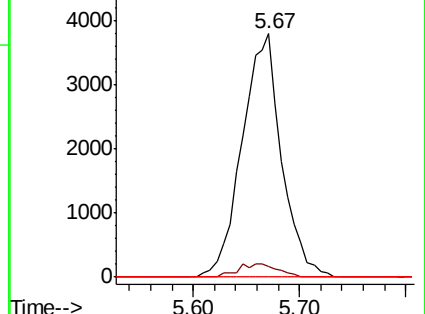
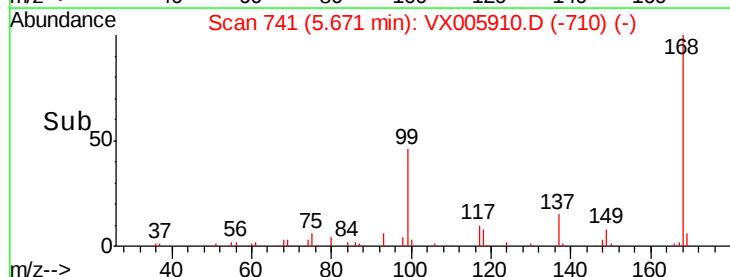
121 0.0 24.6 36.8#

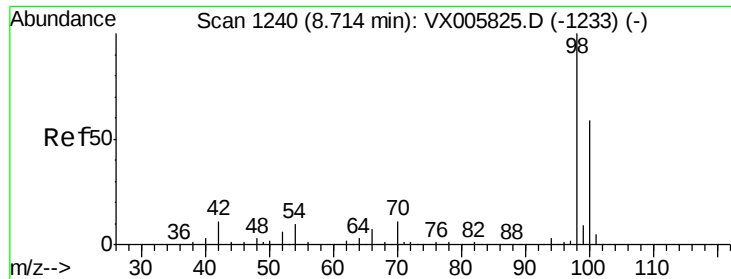


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.859 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

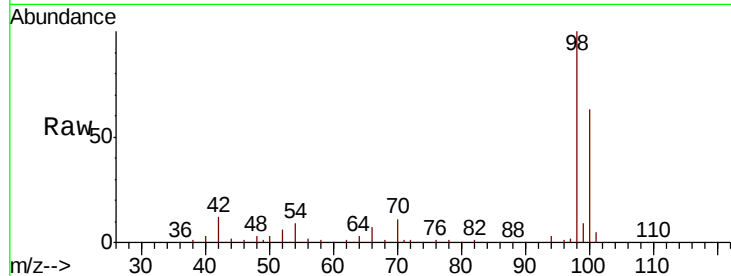
SS003MW331-181108

Tot Ion: 98 Resp: 189704

Ion Ratio Lower Upper

98 100

100 63.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

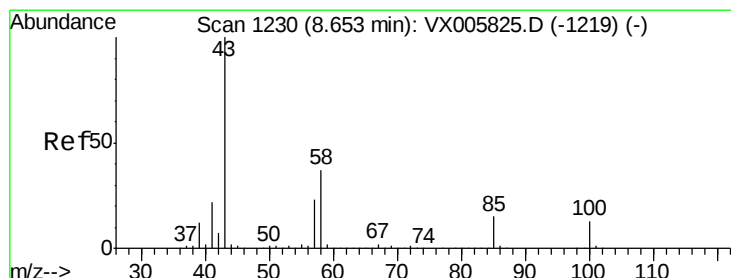
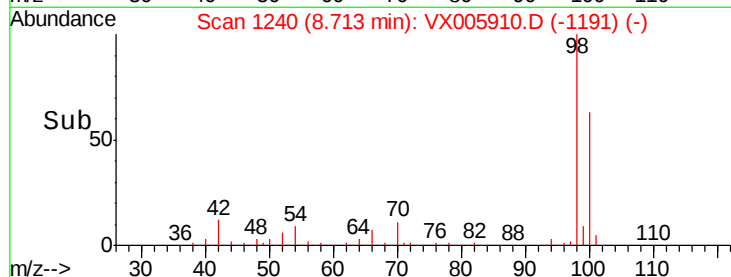
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.484 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005910.D

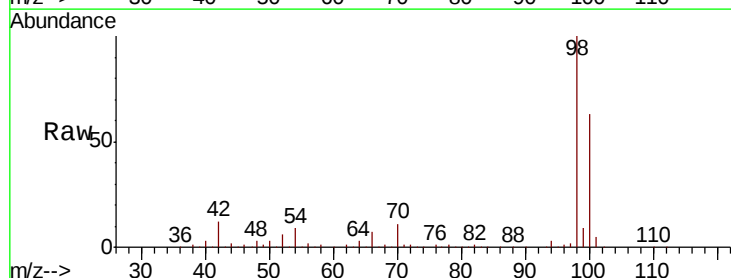
Acq: 12 Nov 2018 19:34

Tgt Ion: 43 Resp: 889

Ion Ratio Lower Upper

43 100

58 178.4 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

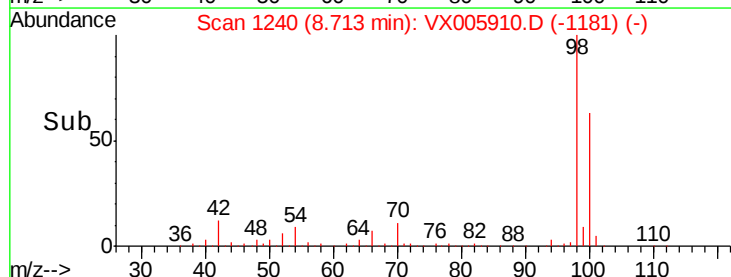
400

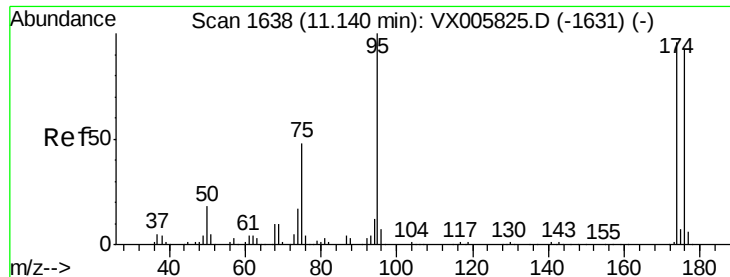
200

0

Time-->

8.65 8.70 8.75





#62

4-Bromofluorobenzene

Concen: 50.180 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

SS003MW331-181108

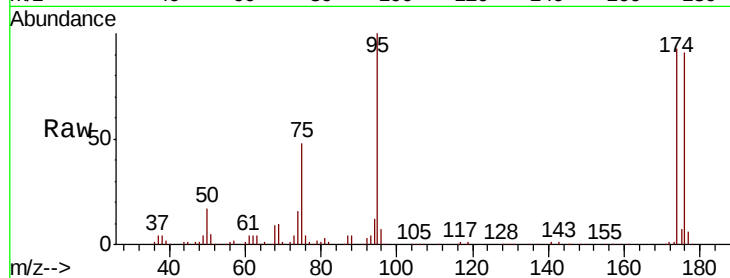
Tot Ion: 95 Resp: 64749

Ion Ratio Lower Upper

95 100

174 92.0 0.0 184.4

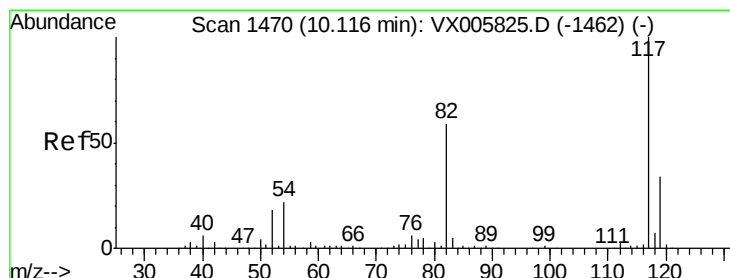
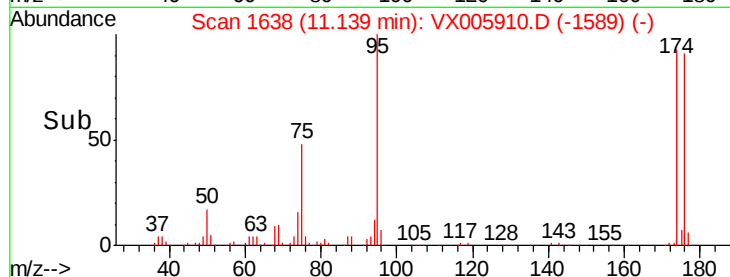
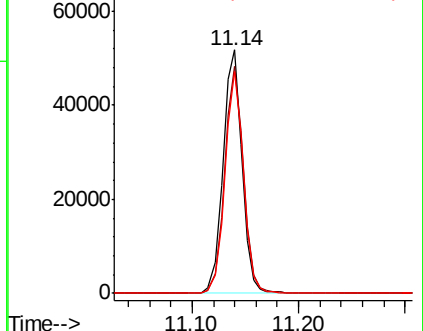
176 88.8 0.0 177.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

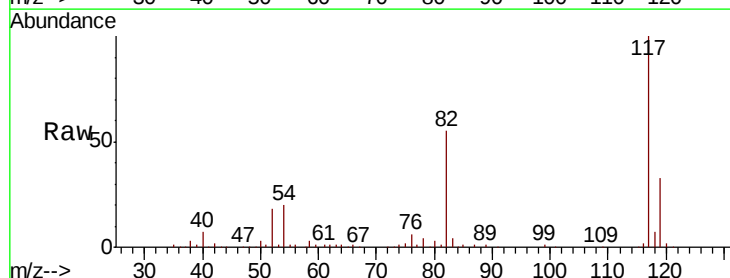
Tgt Ion: 117 Resp: 143042

Ion Ratio Lower Upper

117 100

82 54.8 44.1 66.1

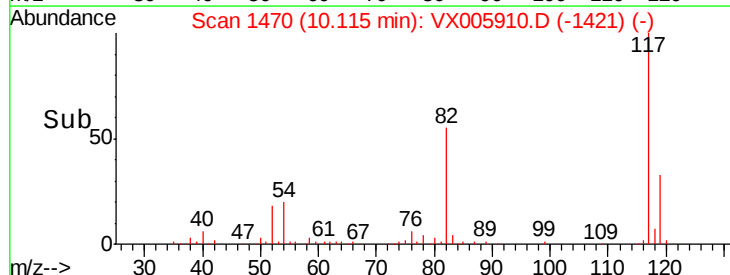
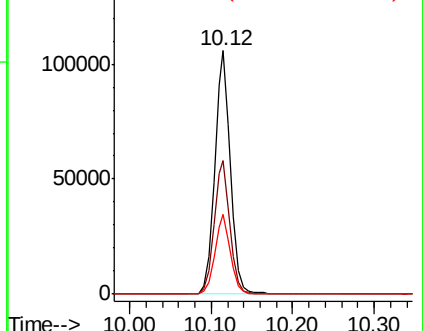
119 32.9 26.2 39.2

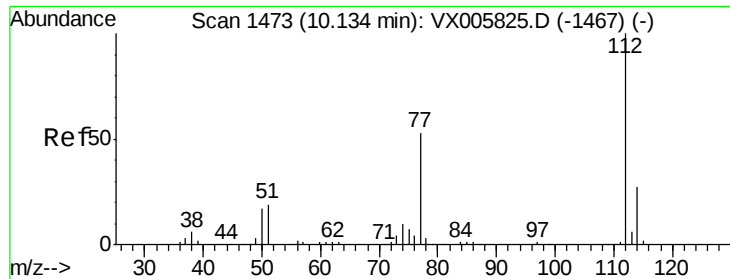


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

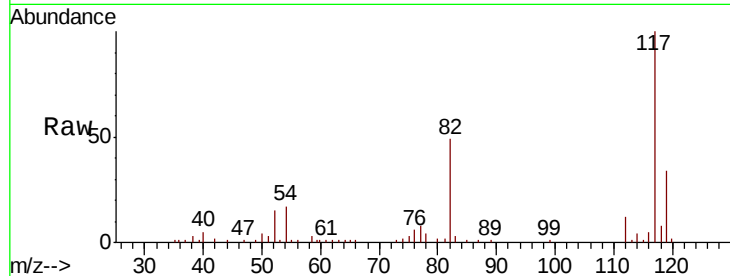




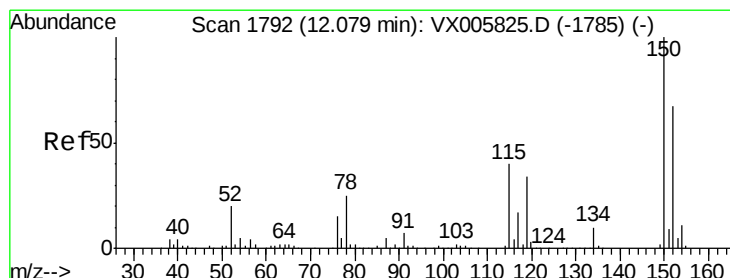
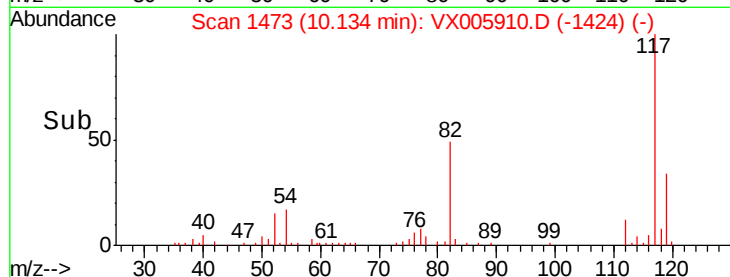
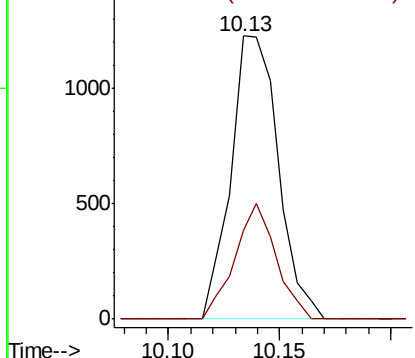
#65
Chlorobenzene
Concen: 0.635 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX005910.D
Acq: 12 Nov 2018 19:34

Instrument :
MSVOA_X
ClientSampleId :
SS003MW331-181108

Tot Ion:112 Resp: 1820
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

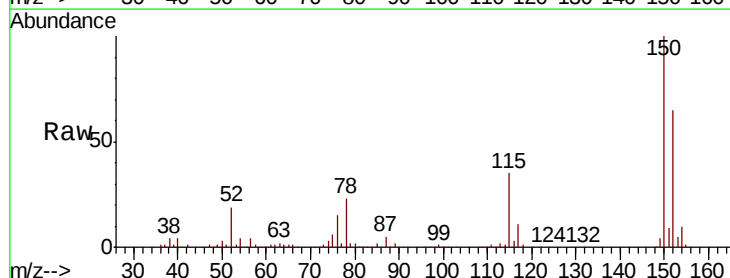


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

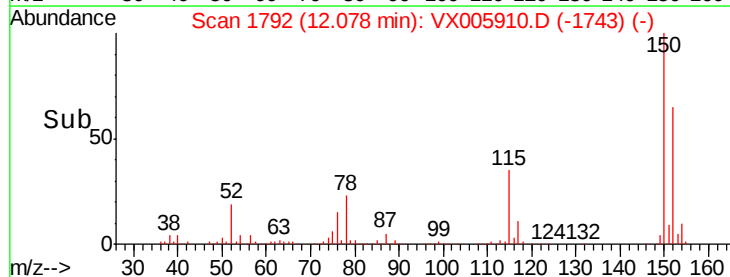
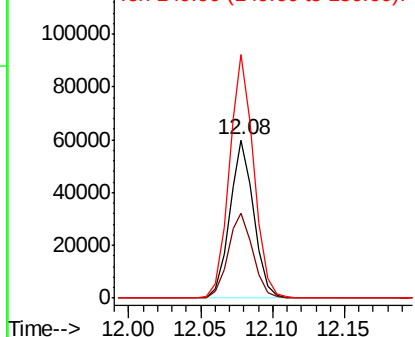


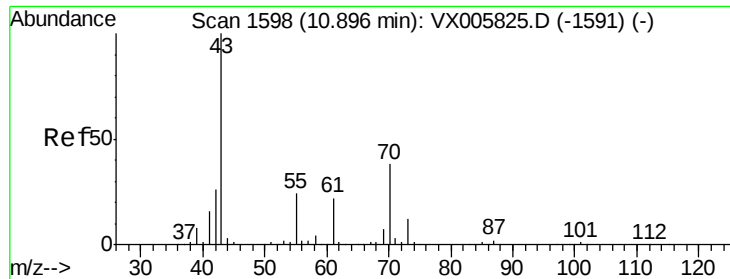
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005910.D
Acq: 12 Nov 2018 19:34

Tgt Ion:152 Resp: 69911
Ion Ratio Lower Upper
152 100
115 55.8 39.4 118.1
150 156.5 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





#74

N-amvl acetate

Concen: 1.293 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.18 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

SS003MW331-181108

Tot Ion: 43 Resp: 98

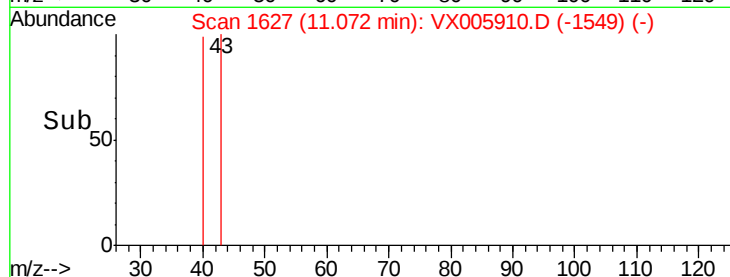
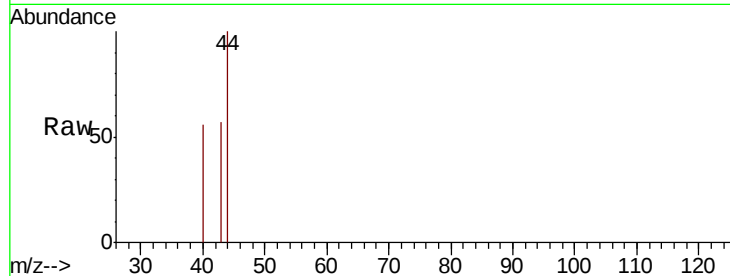
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

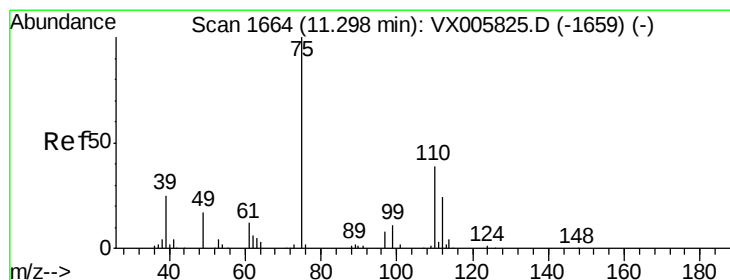
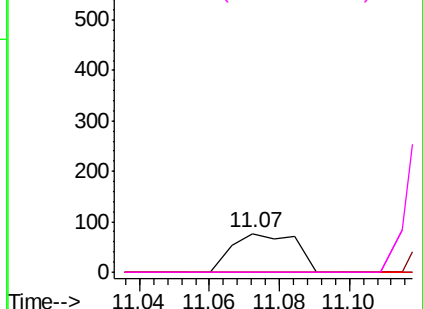


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.641 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005910.D

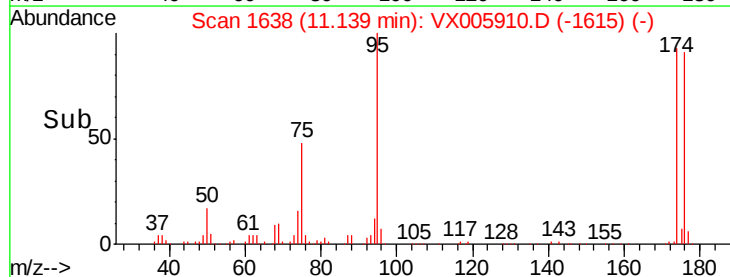
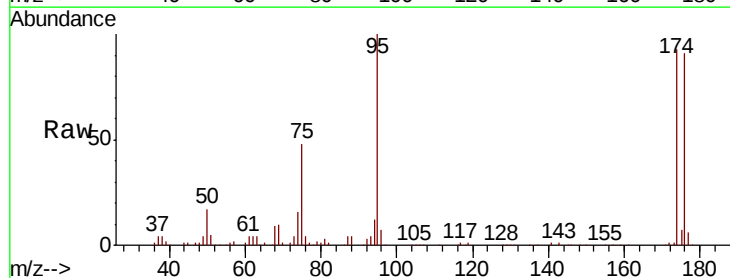
Acq: 12 Nov 2018 19:34

Tgt Ion: 75 Resp: 32230

Ion Ratio Lower Upper

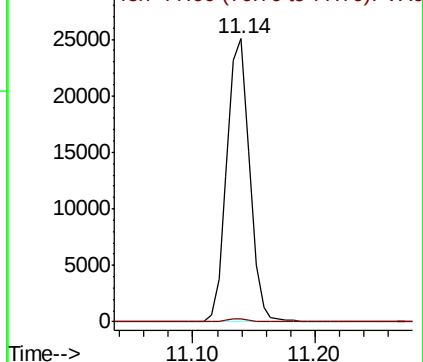
75 100

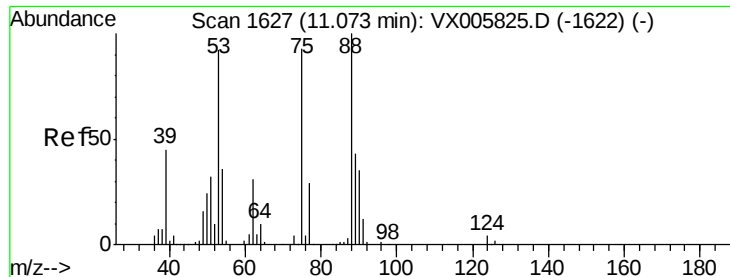
77 1.2 20.5 61.6#



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: 72.160 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

SS003MW331-181108

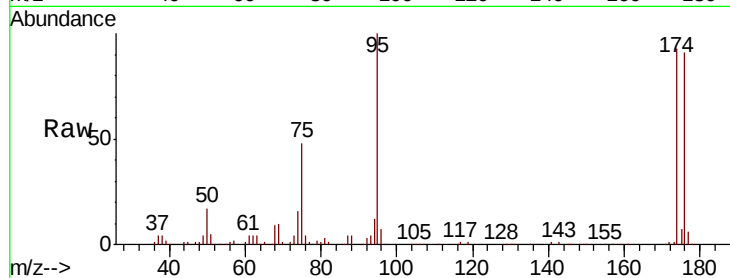
Tot Ion: 75 Resp: 32230

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

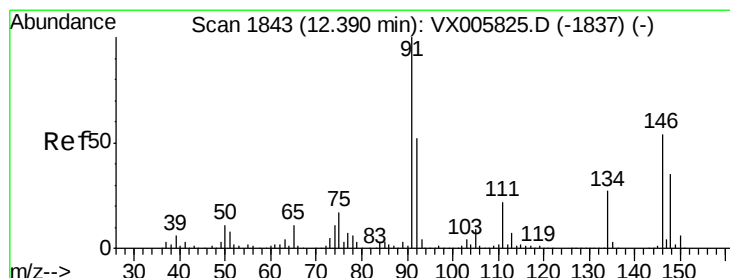
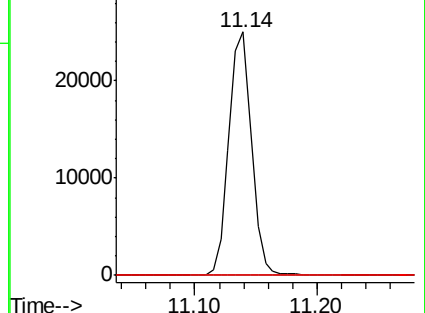
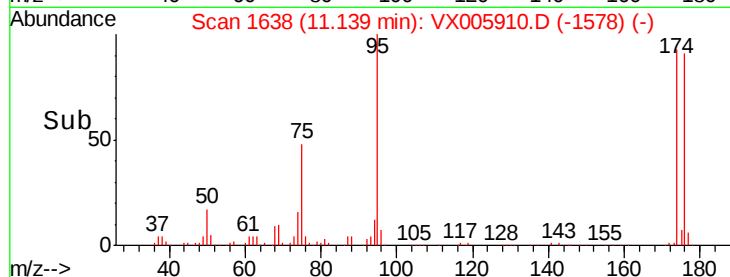
89 0.0 39.8 59.8#



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



#91

1,2-Dichlorobenzene

Concen: 1.748 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

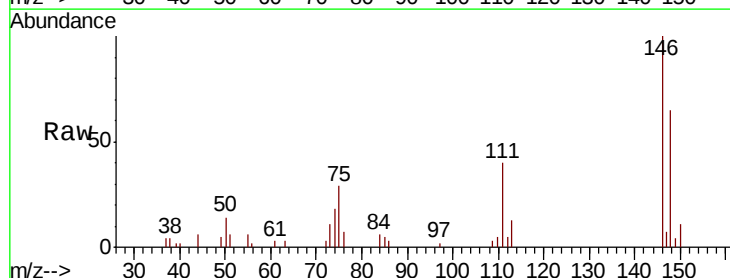
Tgt Ion: 146 Resp: 3829

Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

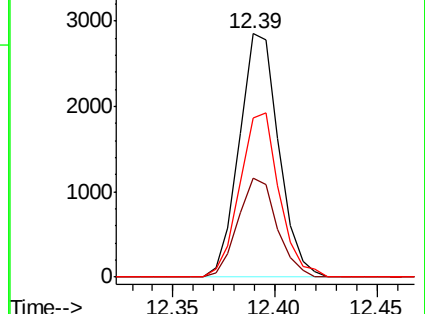
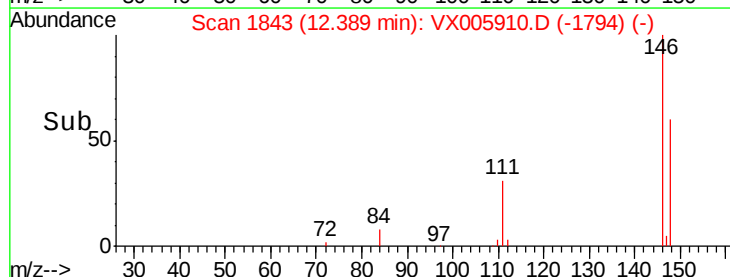
148 67.4 32.2 96.6

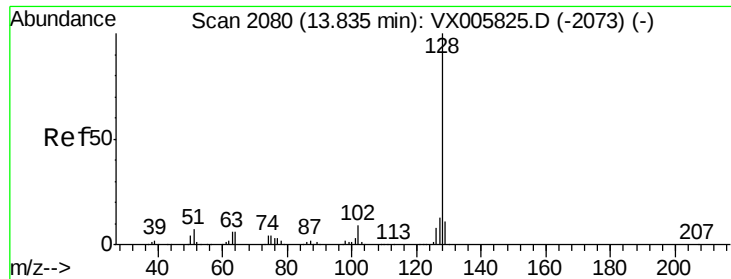


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 1.196 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005910.D

Acq: 12 Nov 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

SS003MW331-181108

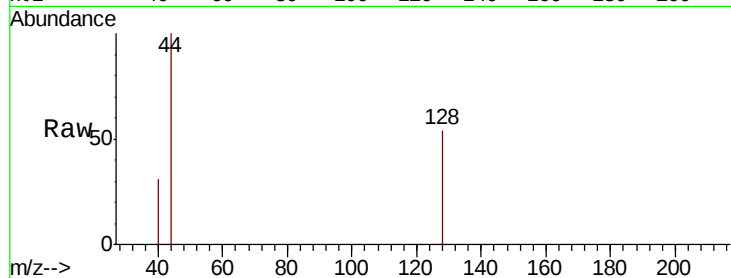
Tot Ion:128 Resp: 94

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

