

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005947.D
 Acq On : 13 Nov 2018 14:34
 Operator : JC/MD
 Sample : J5912-06RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW331-181108

Quant Time: Nov 14 03:24:56 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	95937	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	139769	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	125125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	61431	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	63019	57.14	ug/l	0.00
Spiked Amount			Recovery	=	114.28%	
35) Dibromofluoromethane	5.50	113	50961	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
50) Toluene-d8	8.71	98	164490	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.14	95	55709	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	

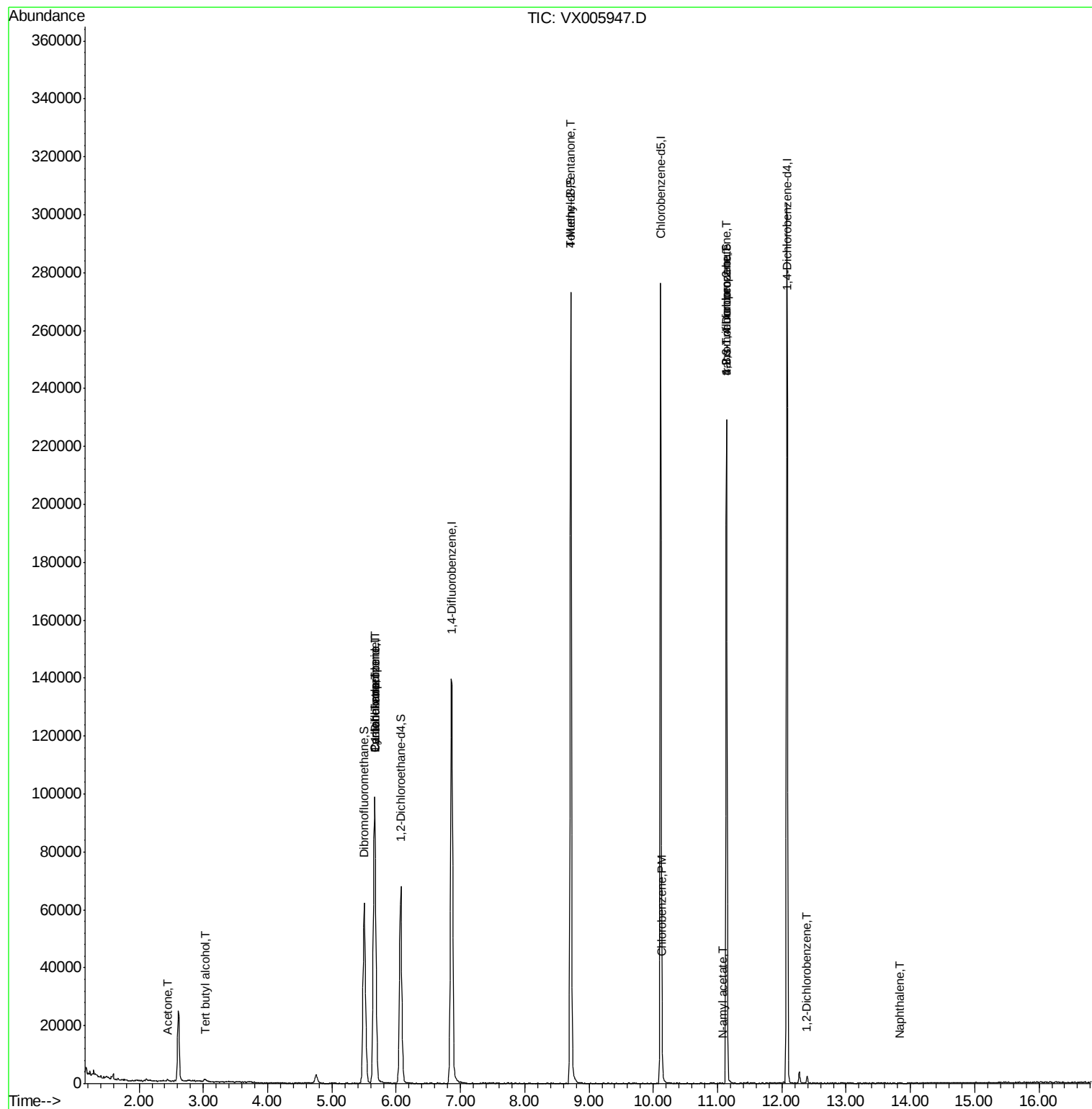
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	664	2.102	ug/l #	72
16) Acetone	2.45	43	707	1.191	ug/l	100
18) Methyl Acetate	2.78	43	376	Below Cal	#	55
31) Cyclohexane	5.66	56	1890	1.230	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	7209	5.350	ug/l #	49
38) Carbon Tetrachloride	5.67	117	8831	6.547	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	753	0.465	ug/l #	1
65) Chlorobenzene	10.14	112	1025	0.409	ug/l	100
74) N-amyl acetate	11.07	43	100	1.300	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	28453	22.747	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	28453	72.497	ug/l #	9
91) 1,2-Dichlorobenzene	12.40	146	917	0.476	ug/l	99
95) Naphthalene	13.84	128	101	1.200	ug/l #	69

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

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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: VX005947.D

Acq: 13 Nov 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

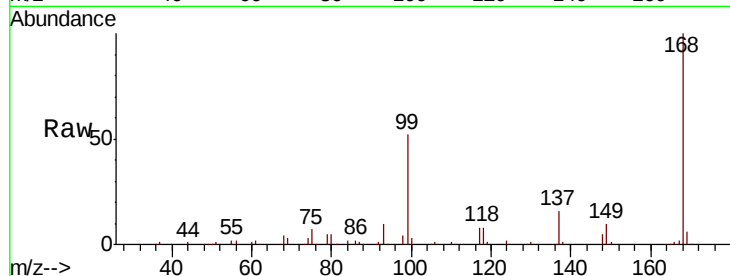
SS003MW331-181108

Tot Ion:168 Resp: 95937

Ion Ratio Lower Upper

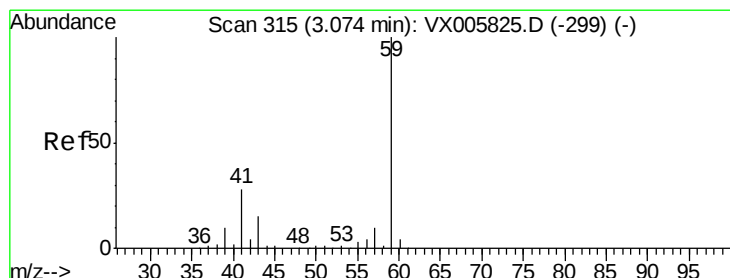
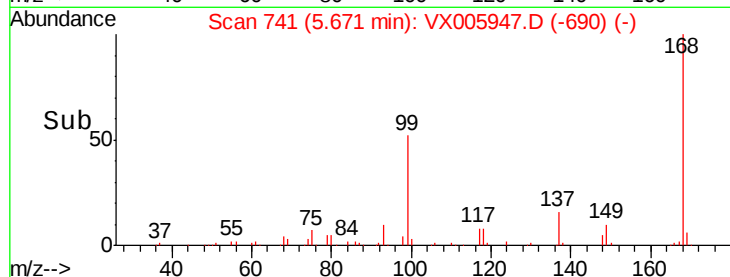
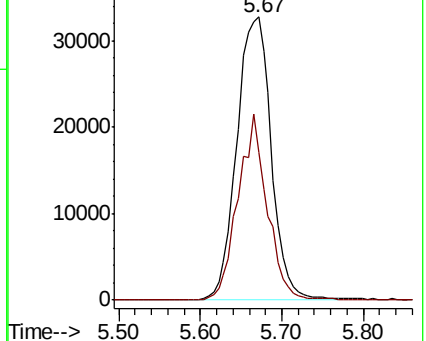
168 100

99 52.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 2.102 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005947.D

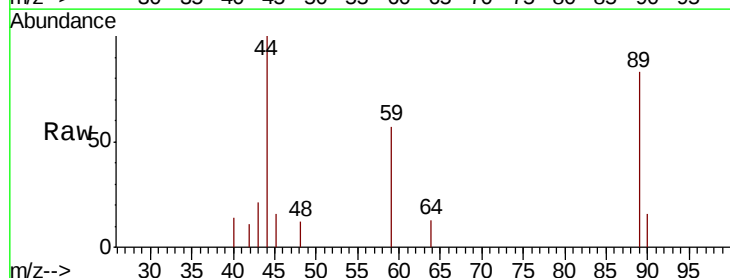
Acq: 13 Nov 2018 14:34

Tgt Ion: 59 Resp: 664

Ion Ratio Lower Upper

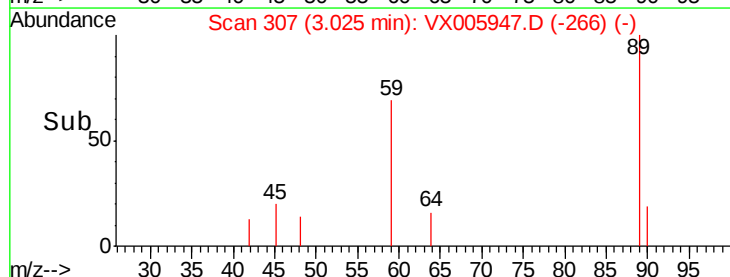
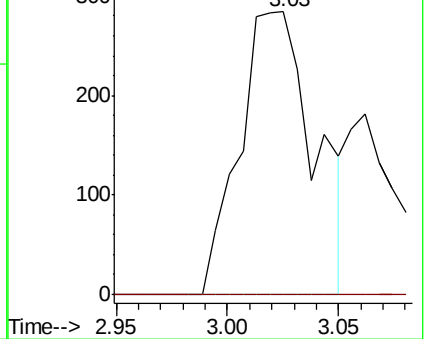
59 100

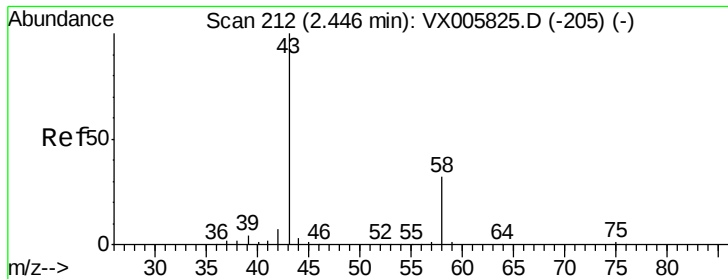
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.191 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005947.D

Acq: 13 Nov 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

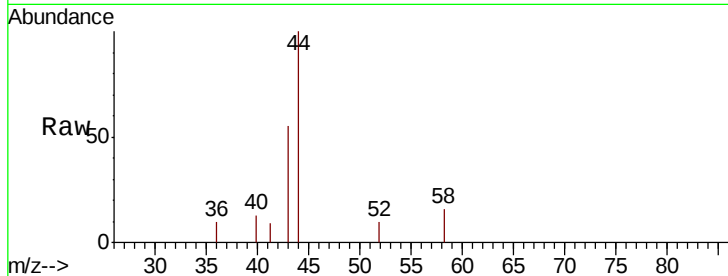
SS003MW331-181108

Tot Ion: 43 Resp: 707

Ion Ratio Lower Upper

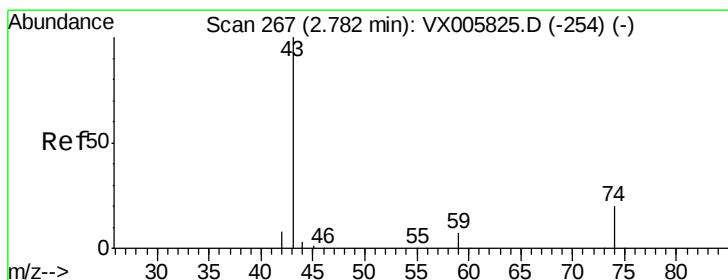
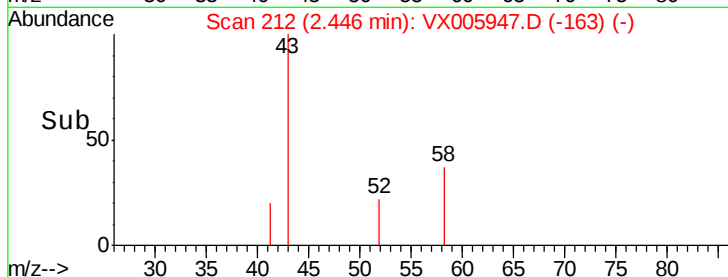
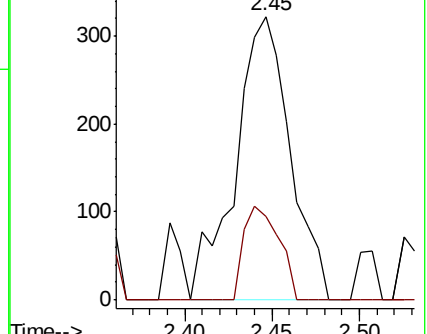
43 100

58 29.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005947.D

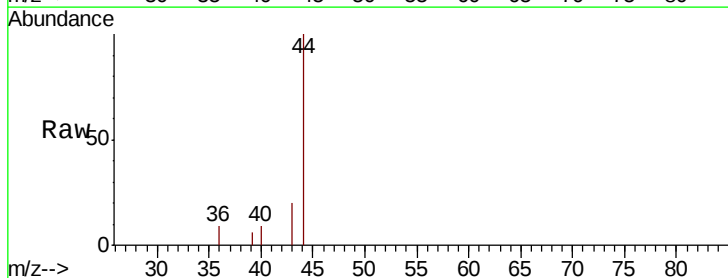
Acq: 13 Nov 2018 14:34

Tgt Ion: 43 Resp: 376

Ion Ratio Lower Upper

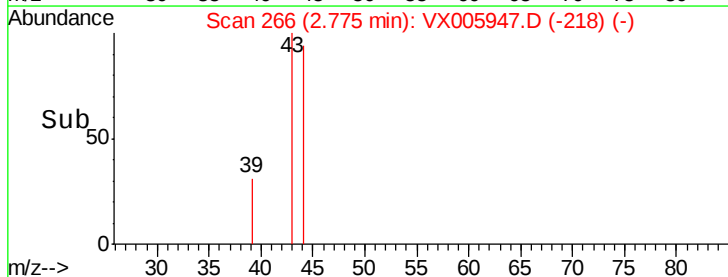
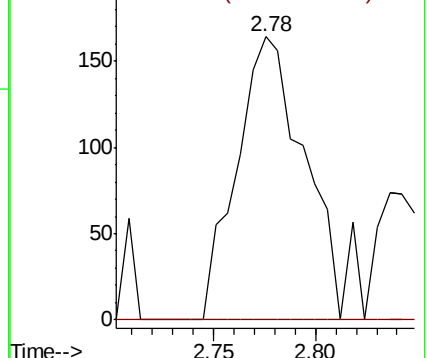
43 100

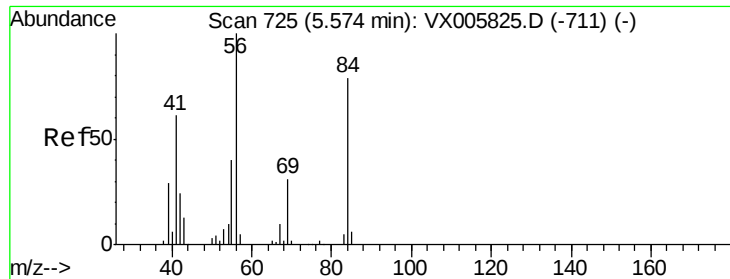
74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

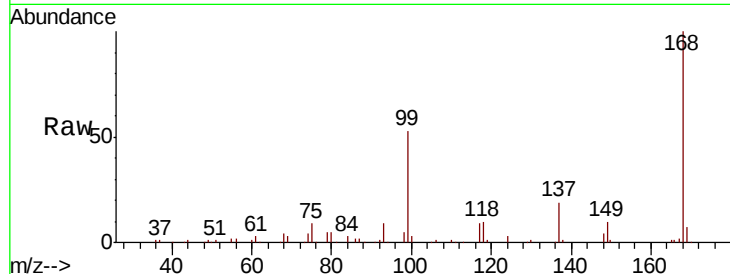




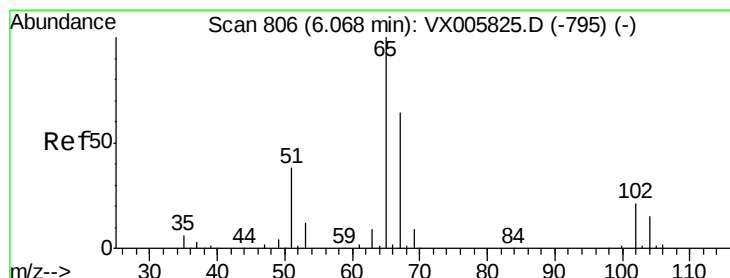
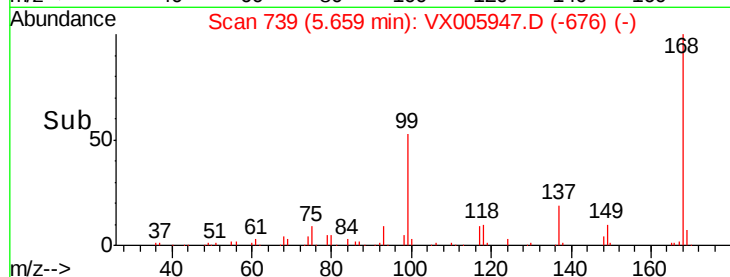
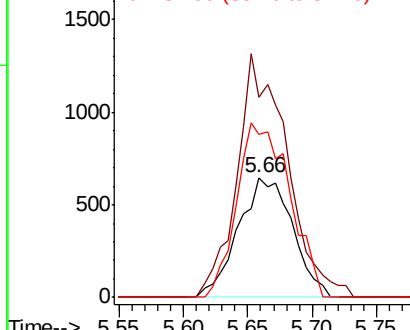
#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005947.D
Acq: 13 Nov 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
SS003MW331-181108

Tot Ion: 56 Resp: 1890
Ion Ratio Lower Upper
56 100
69 166.7 22.6 34.0#
84 136.1 62.7 94.1#

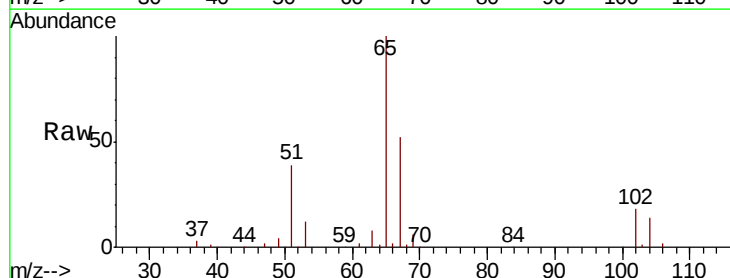


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

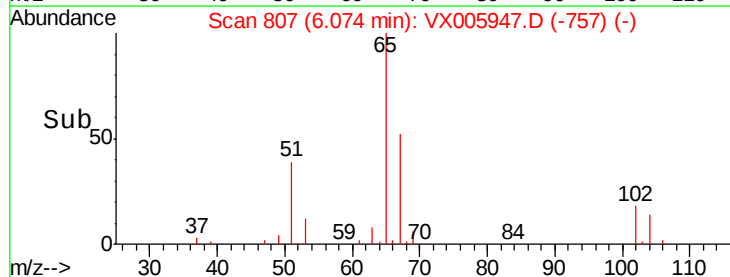
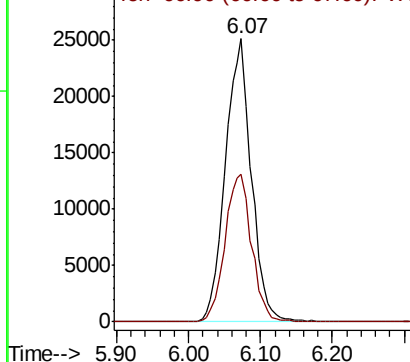


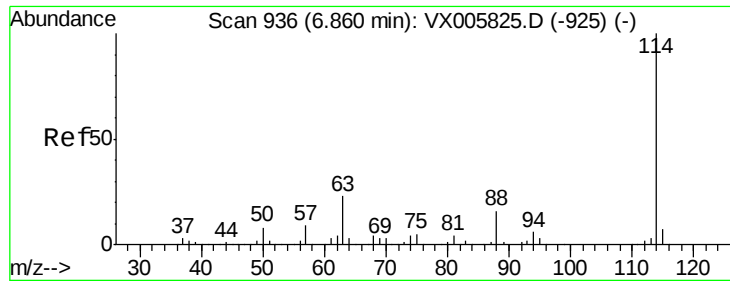
#33
1,2-Dichloroethane-d4
Concen: 57.138 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX005947.D
Acq: 13 Nov 2018 14:34

Tgt Ion: 65 Resp: 63019
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

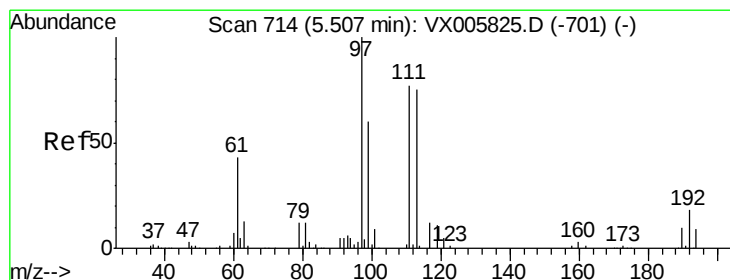
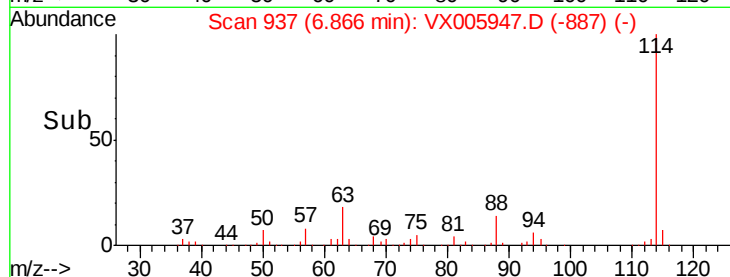
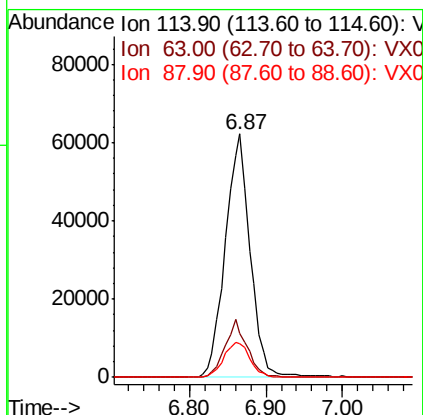
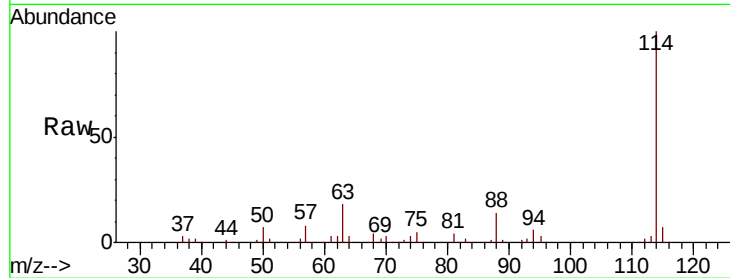




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005947.D
 Acq: 13 Nov 2018 14:34

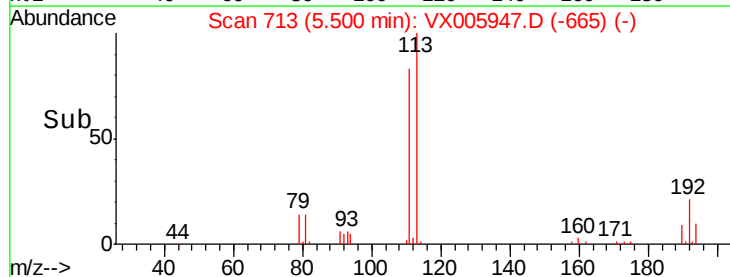
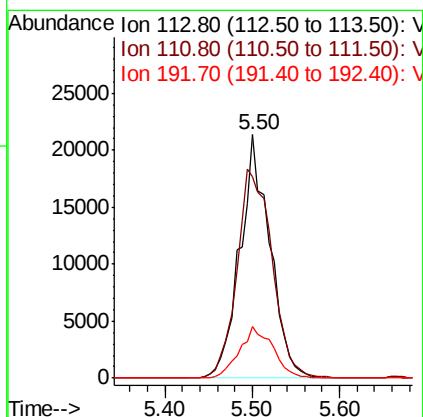
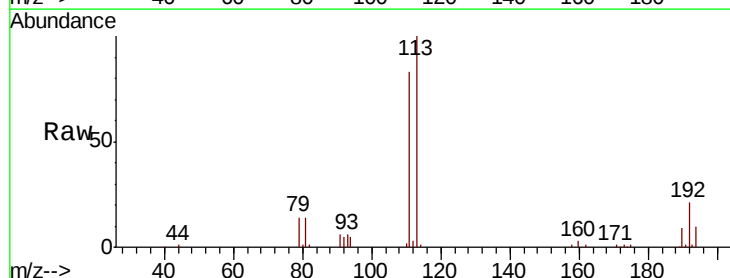
Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW331-181108

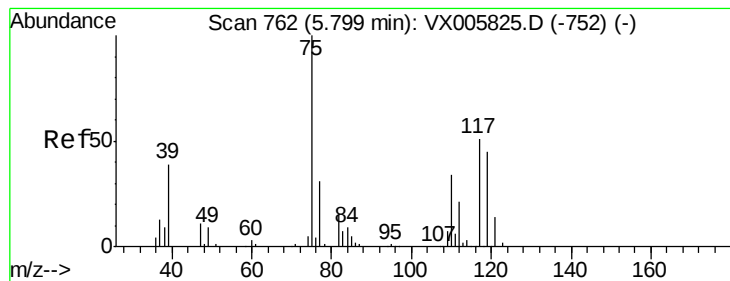
Tot Ion:114 Resp: 139769
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 42.8
 88 13.6 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 53.607 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005947.D
 Acq: 13 Nov 2018 14:34

Tgt Ion:113 Resp: 50961
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.3 123.5
 192 23.5 17.9 26.9





#36

1,1-Dichloropropene

Concen: 5.350 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005947.D

Acq: 13 Nov 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

SS003MW331-181108

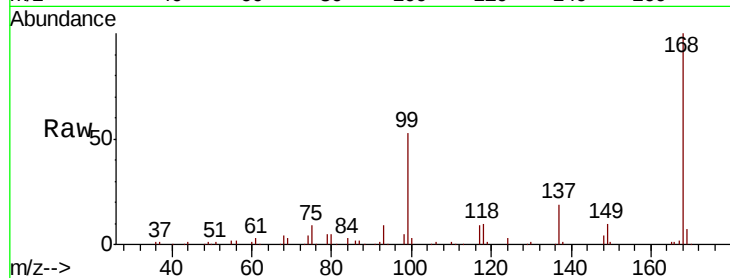
Tot Ion: 75 Resp: 7209

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.2#

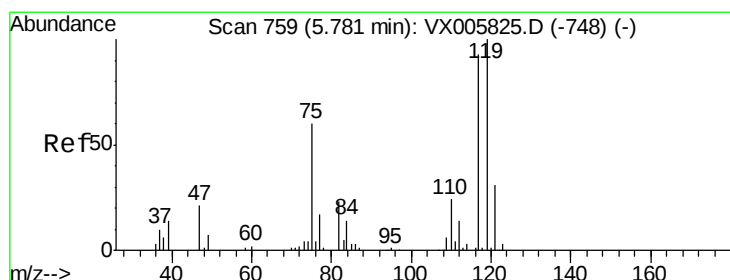
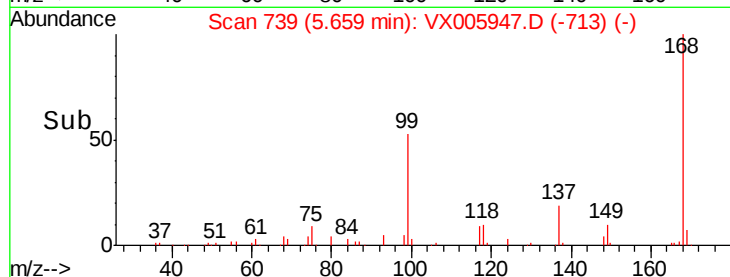
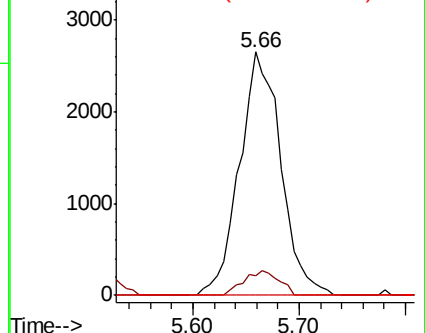
77 0.0 25.8 38.6#



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: 6.547 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005947.D

Acq: 13 Nov 2018 14:34

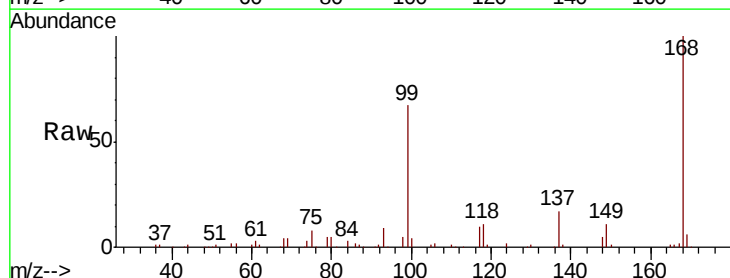
Tgt Ion: 117 Resp: 8831

Ion Ratio Lower Upper

117 100

119 5.9 78.1 117.1#

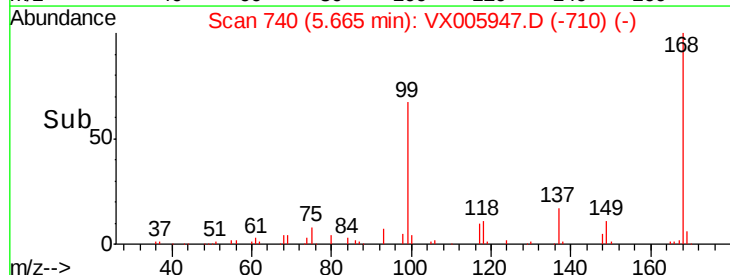
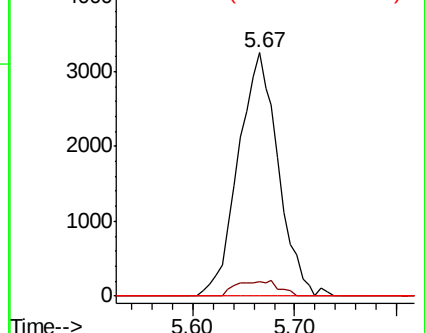
121 0.0 24.6 36.8#

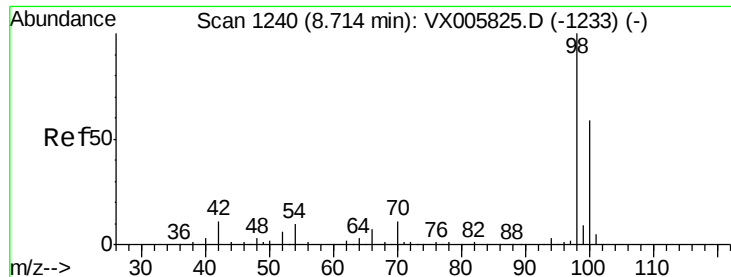


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.046 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005947.D

Acq: 13 Nov 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

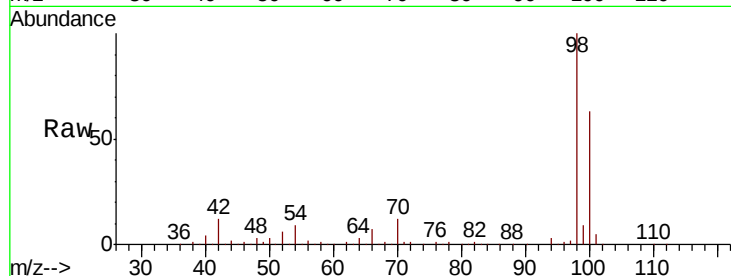
SS003MW331-181108

Tot Ion: 98 Resp: 164490

Ion Ratio Lower Upper

98 100

100 62.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

120000

100000

80000

60000

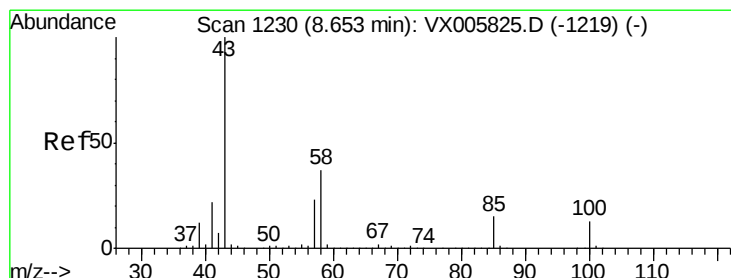
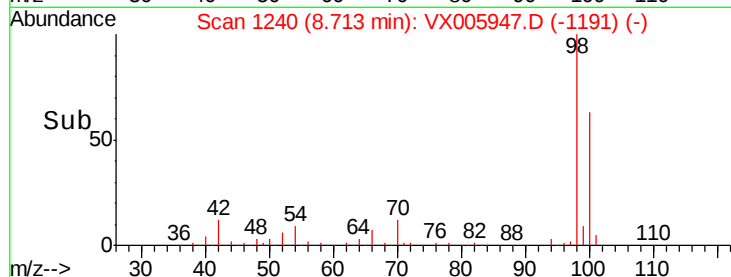
40000

20000

0

8.60 8.70 8.80 8.90 9.00

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.465 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005947.D

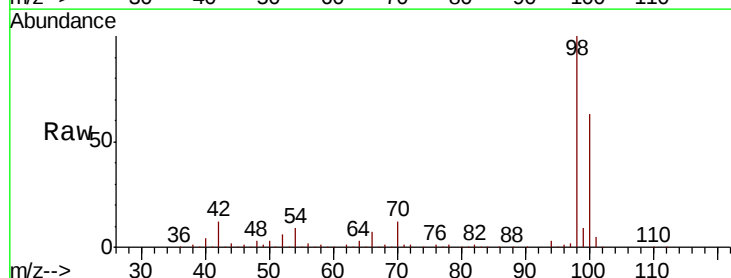
Acq: 13 Nov 2018 14:34

Tgt Ion: 43 Resp: 753

Ion Ratio Lower Upper

43 100

58 176.4 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000

800

600

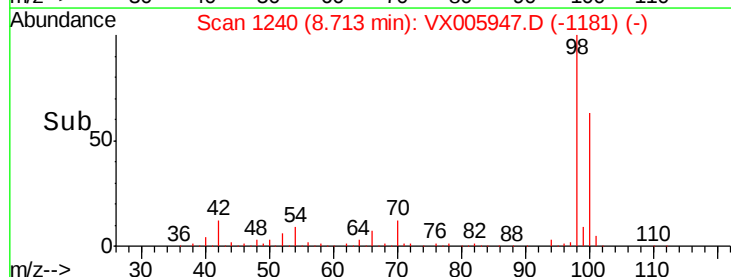
400

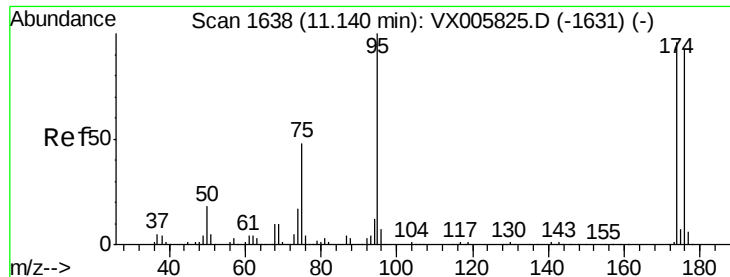
200

0

8.65 8.70 8.75

Time-->





#62

4-Bromofluorobenzene

Concen: 49.026 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005947.D

Acq: 13 Nov 2018 14:34

Instrument :

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ClientSampleId :

SS003MW331-181108

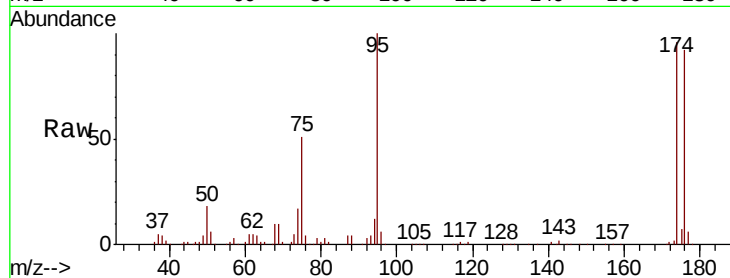
Tot Ion: 95 Resp: 55709

Ion Ratio Lower Upper

95 100

174 93.2 0.0 184.4

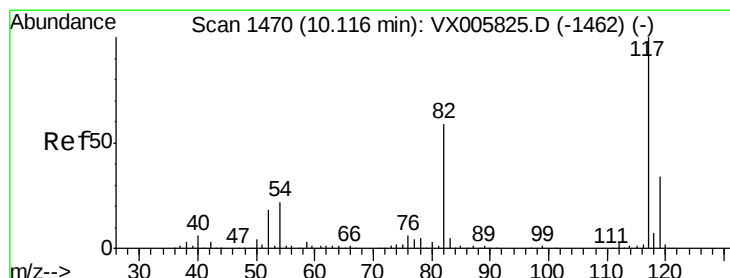
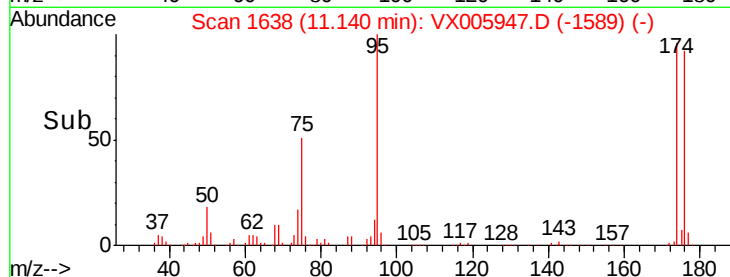
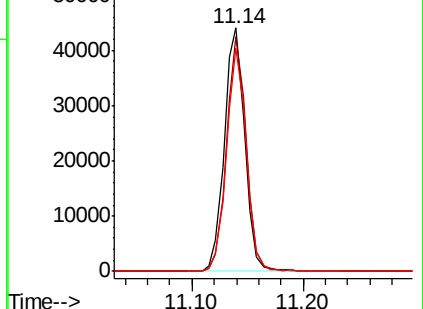
176 89.2 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005947.D

Acq: 13 Nov 2018 14:34

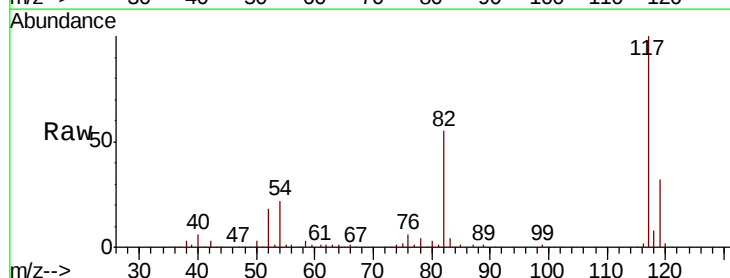
Tgt Ion: 117 Resp: 125125

Ion Ratio Lower Upper

117 100

82 55.1 44.1 66.1

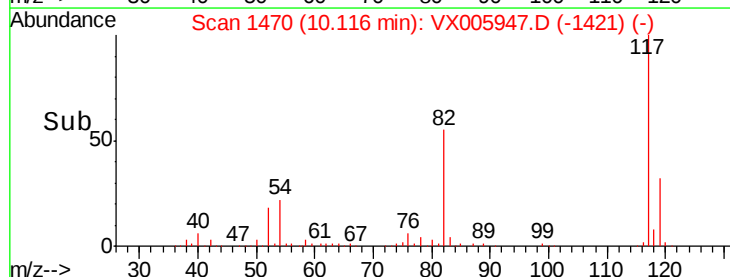
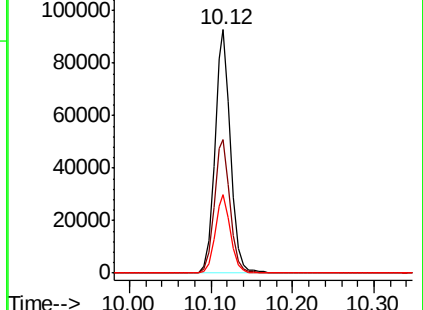
119 32.4 26.2 39.2

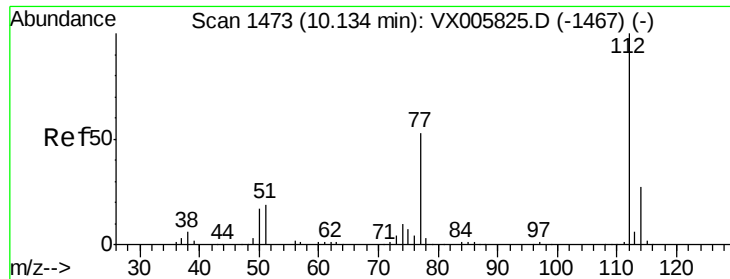


Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)

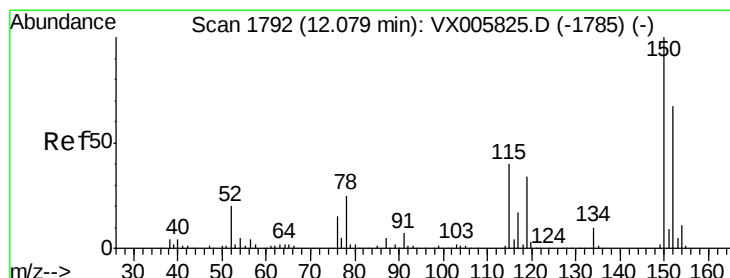
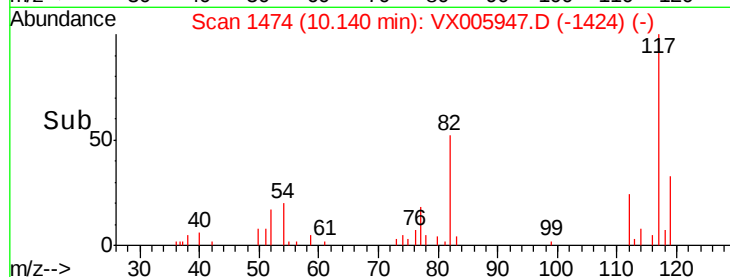
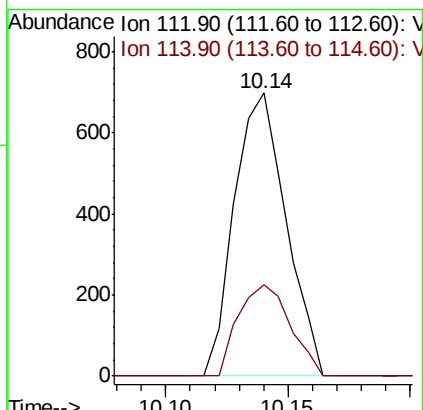
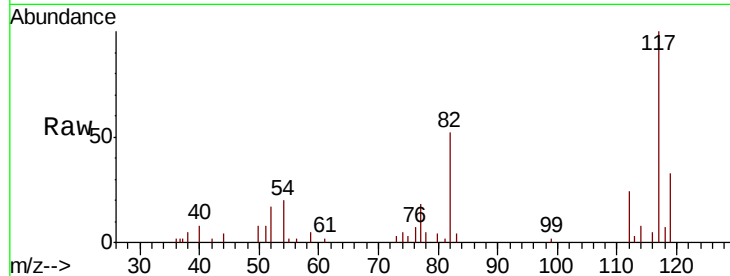




#65
Chlorobenzene
Concen: 0.409 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005947.D
Acq: 13 Nov 2018 14:34

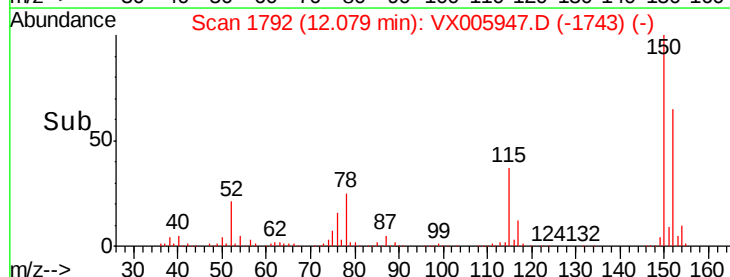
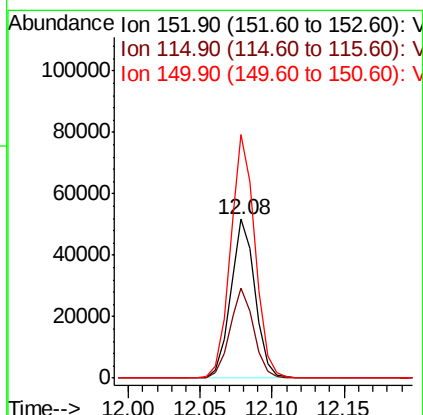
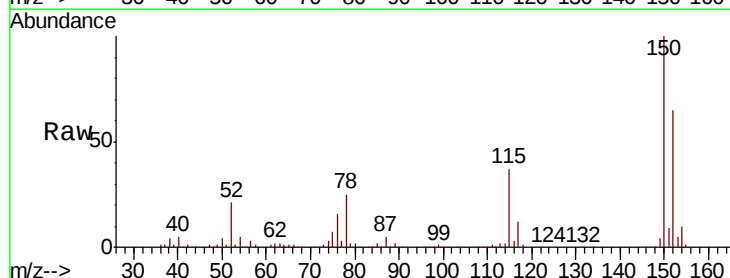
Instrument :
MSVOA_X
ClientSampleId :
SS003MW331-181108

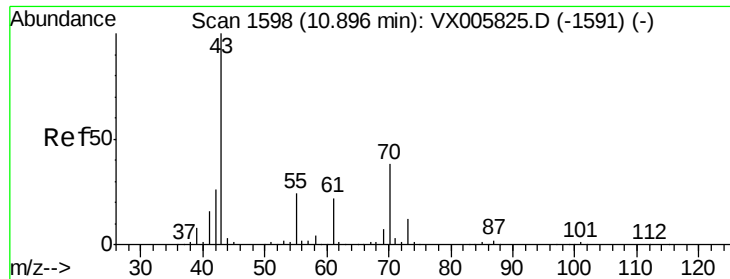
Tot Ion:112 Resp: 1025
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005947.D
Acq: 13 Nov 2018 14:34

Tgt Ion:152 Resp: 61431
Ion Ratio Lower Upper
152 100
115 55.5 39.4 118.1
150 154.6 0.0 346.4





#74

N-amvl acetate

Concen: 1.300 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.18 min

Lab File: VX005947.D

Acq: 13 Nov 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

SS003MW331-181108

Tot Ion: 43 Resp: 100

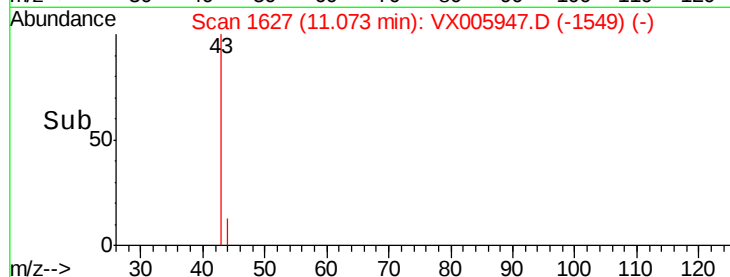
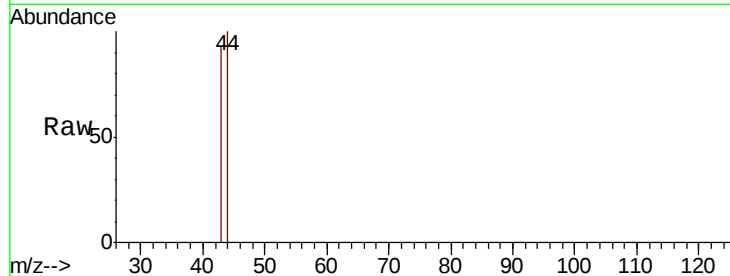
Ion Ratio Lower Upper

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

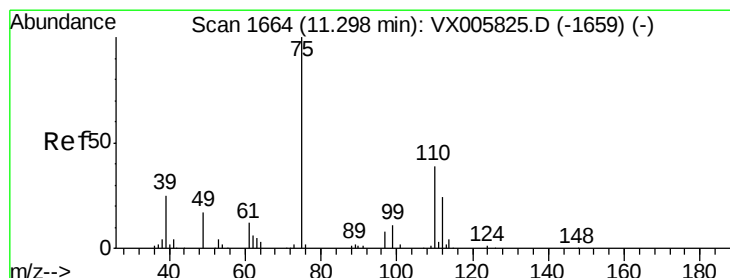
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

11.07

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.747 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005947.D

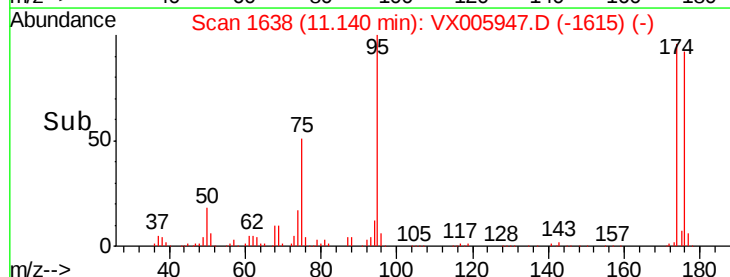
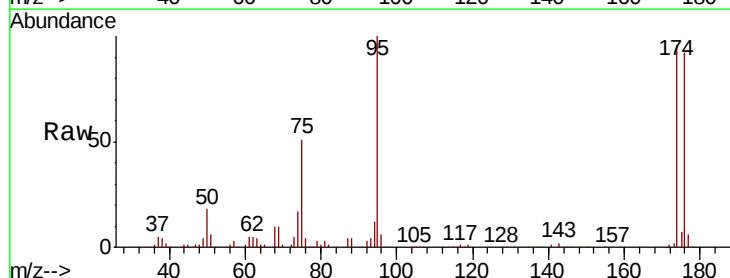
Acq: 13 Nov 2018 14:34

Tgt Ion: 75 Resp: 28453

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.6#

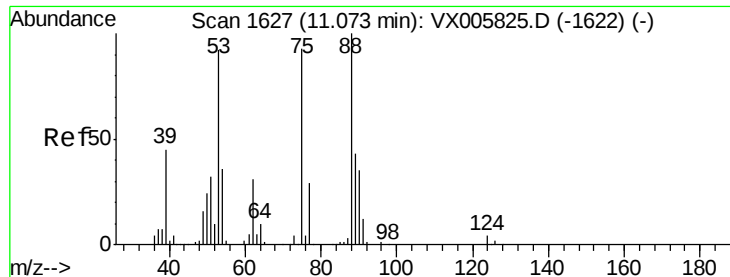


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 72.497 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005947.D

Acq: 13 Nov 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

SS003MW331-181108

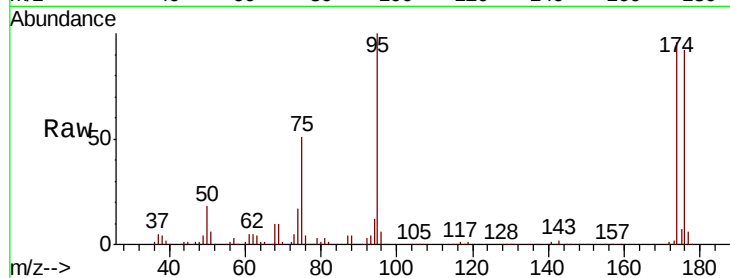
Tot Ion: 75 Resp: 28453

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

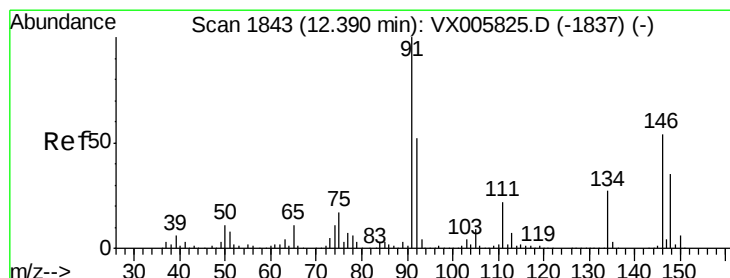
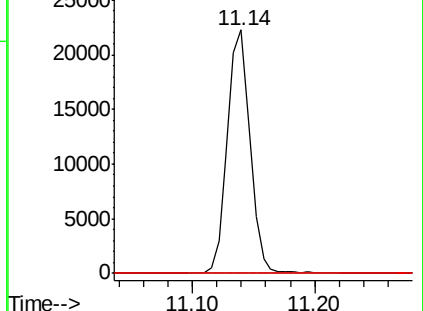
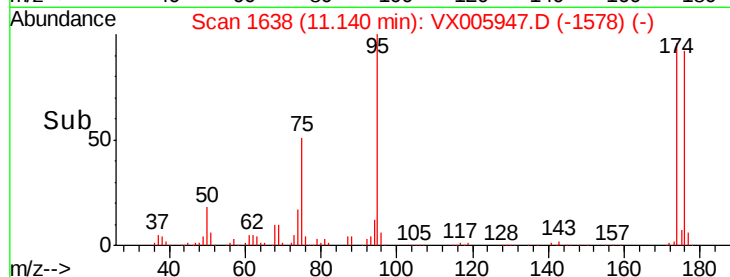
89 0.0 39.8 59.8#



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: 0.476 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX005947.D

Acq: 13 Nov 2018 14:34

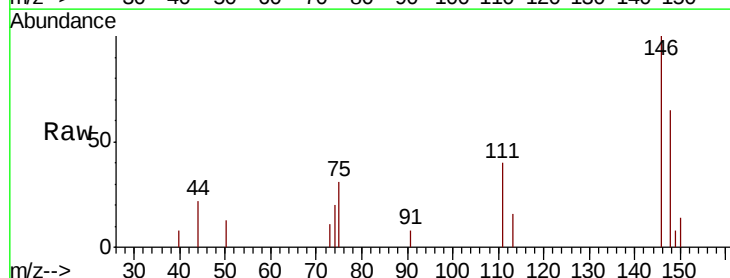
Tgt Ion: 146 Resp: 917

Ion Ratio Lower Upper

146 100

111 39.1 20.0 59.9

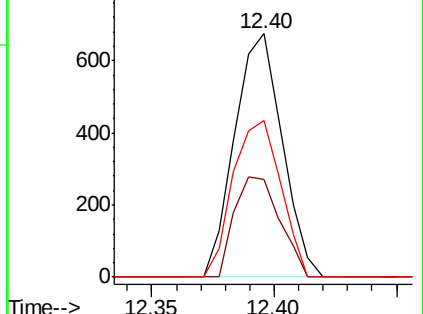
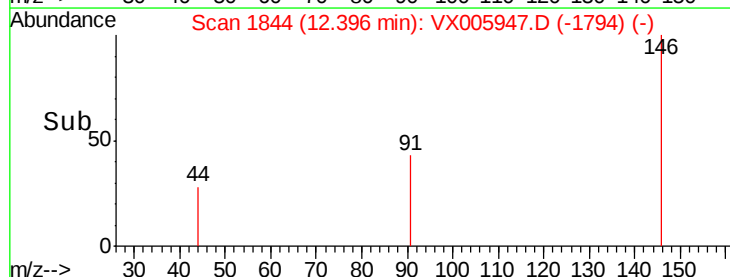
148 64.6 32.2 96.6

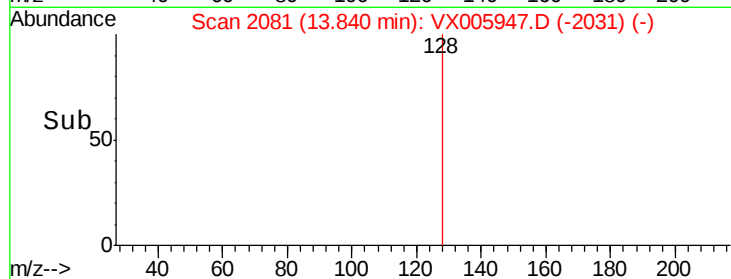
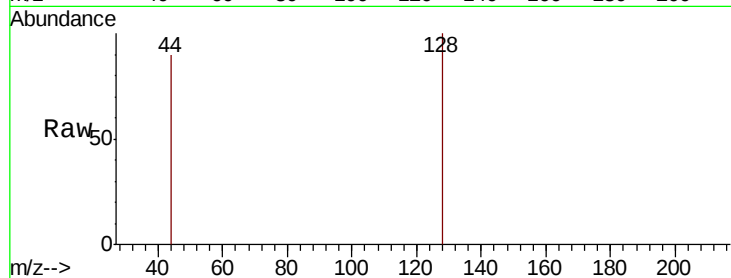
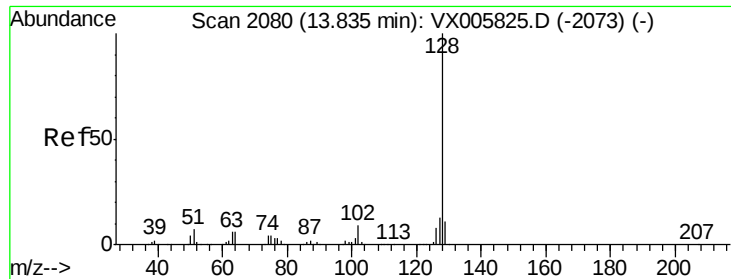


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 1.200 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX005947.D

Acq: 13 Nov 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

SS003MW331-181108

Tot Ion:128 Resp: 101

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

