

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005914.D
 Acq On : 12 Nov 2018 21:20
 Operator : JC/MD
 Sample : J5912-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108

Quant Time: Nov 13 04:44:32 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	102234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	149027	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	134518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	64851	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	62296	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	5.51	113	48838	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	178805	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	11.14	95	59682	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	

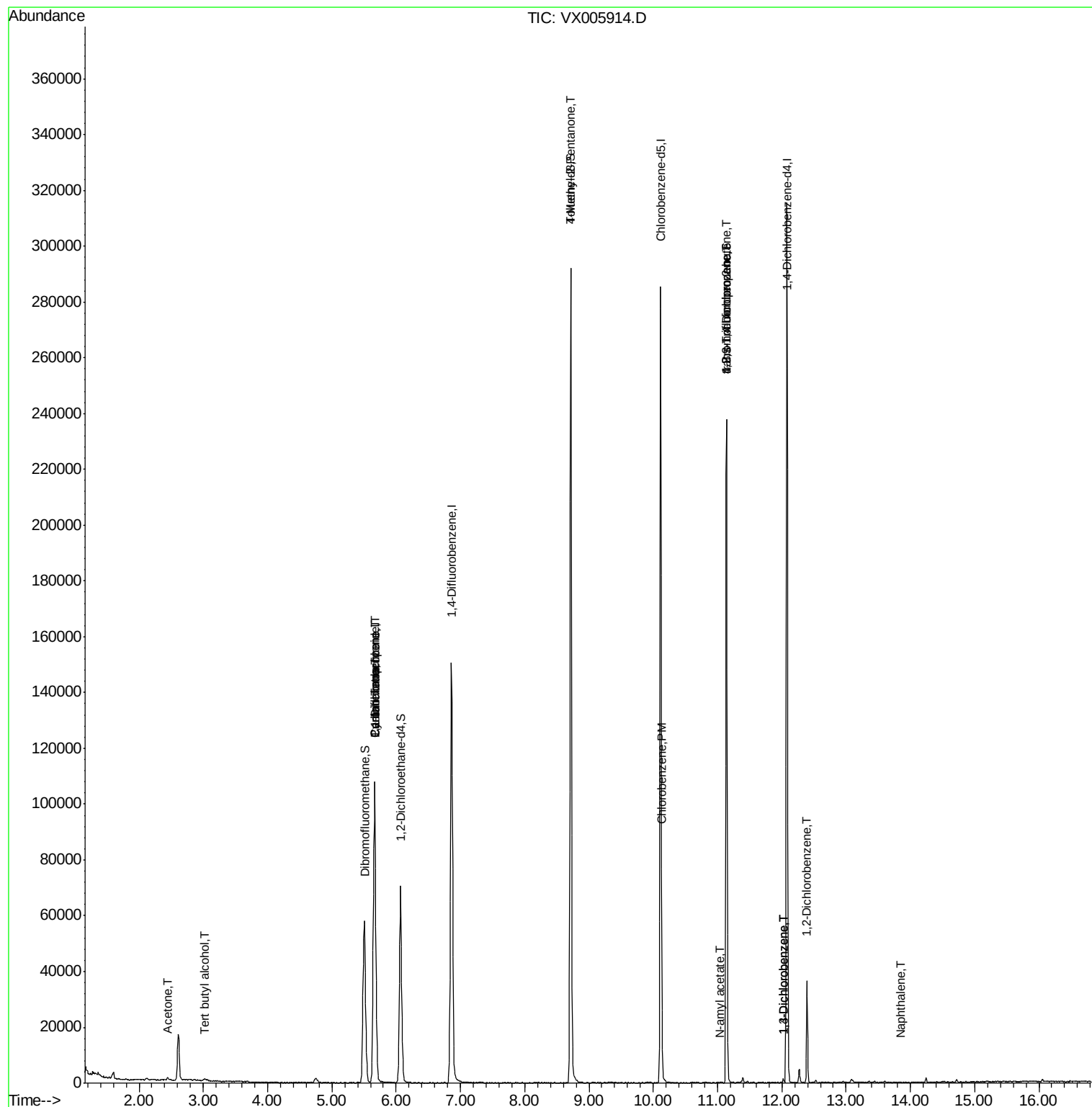
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	496	1.473	ug/l #	72
16) Acetone	2.44	43	845	1.335	ug/l	97
18) Methyl Acetate	2.78	43	425	Below Cal	#	55
31) Cyclohexane	5.67	56	1844	1.126	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	6997	4.870	ug/l #	49
38) Carbon Tetrachloride	5.67	117	9095	6.324	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	807	0.468	ug/l #	1
65) Chlorobenzene	10.13	112	1903	0.706	ug/l	98
74) N-amyl acetate	11.04	43	45	1.272	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	30081	22.780	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	30081	72.603	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	21	Below Cal	#	31
87) 1,3-Dichlorobenzene	12.03	146	645	0.318	ug/l	94
88) 1,4-Dichlorobenzene	12.03	146	645	0.311	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	11954	5.882	ug/l	98
95) Naphthalene	13.83	128	103	1.199	ug/l #	69

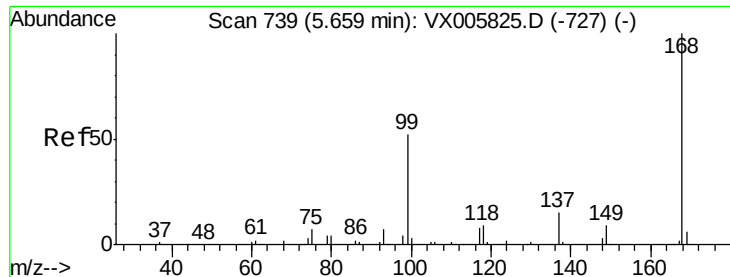
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
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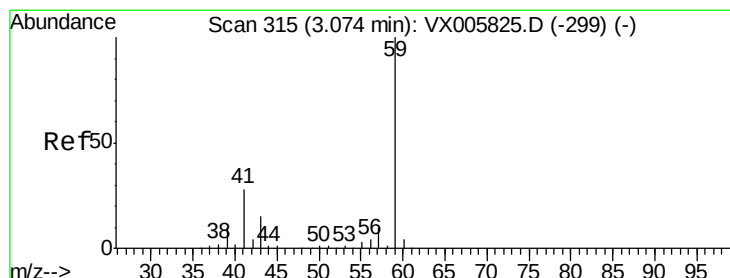
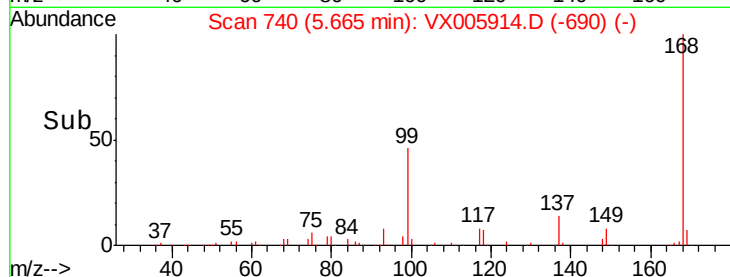
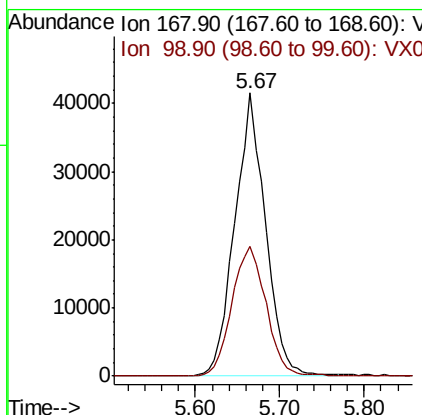
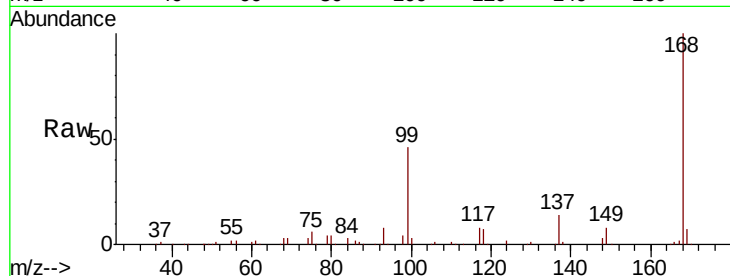




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005914.D
Acq: 12 Nov 2018 21:20

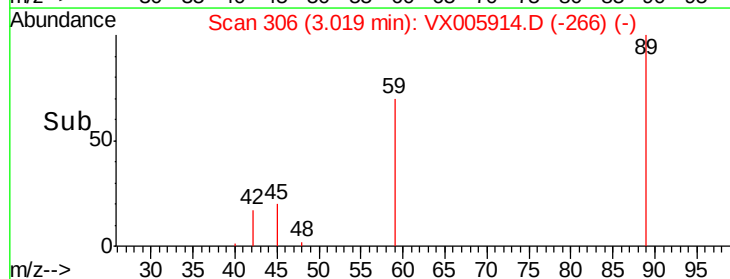
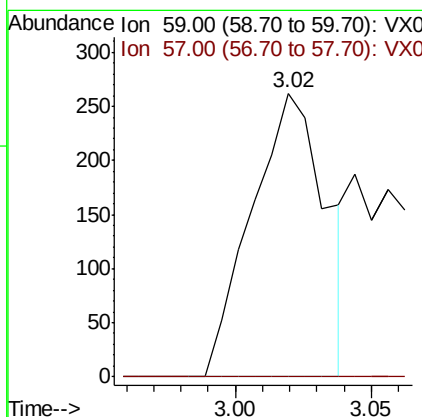
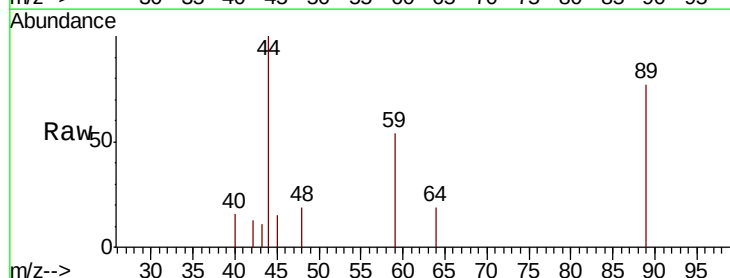
Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108

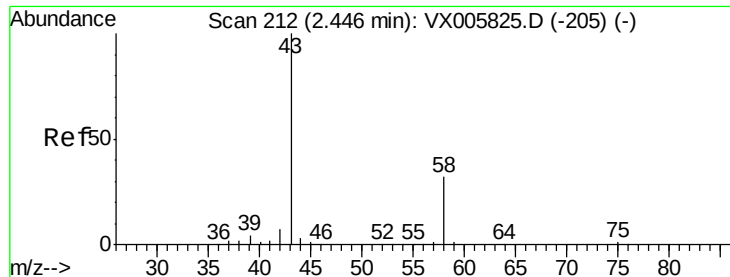
Tot Ion:168 Resp: 102234
Ion Ratio Lower Upper
168 100
99 45.7 40.7 61.1



#11
Tert butyl alcohol
Concen: 1.473 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX005914.D
Acq: 12 Nov 2018 21:20

Tgt Ion: 59 Resp: 496
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 1.335 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005914.D

Acq: 12 Nov 2018 21:20

Instrument :

MSVOA_X

ClientSampleId :

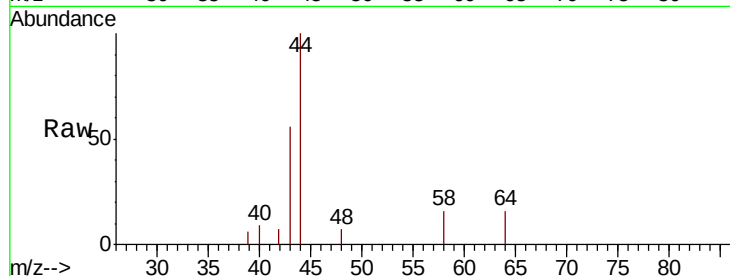
SS003MW273-181108

Tot Ion: 43 Resp: 845

Ion Ratio Lower Upper

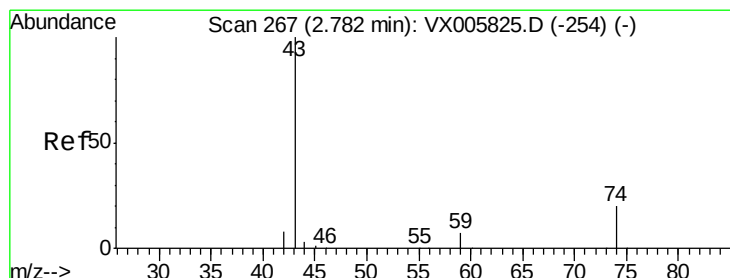
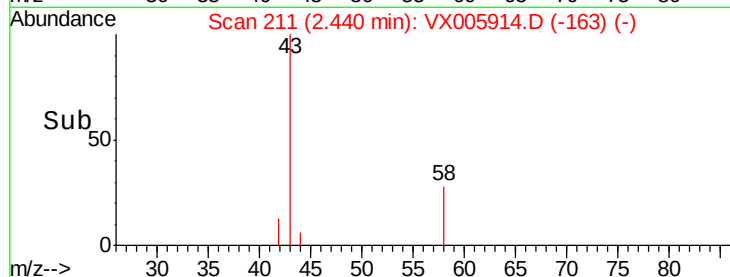
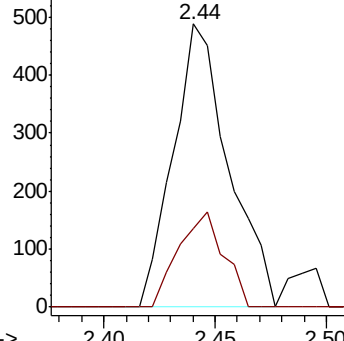
43 100

58 27.9 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: VX005914.D

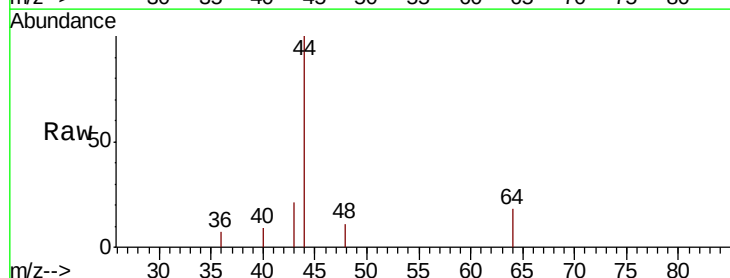
Acq: 12 Nov 2018 21:20

Tgt Ion: 43 Resp: 425

Ion Ratio Lower Upper

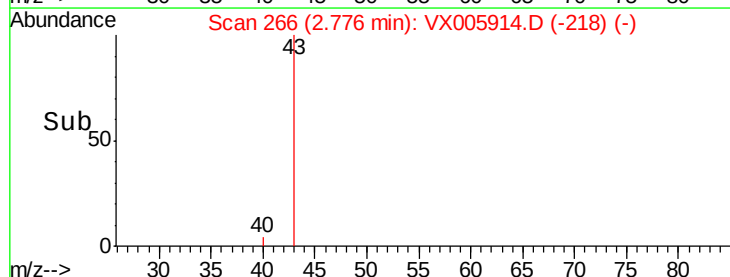
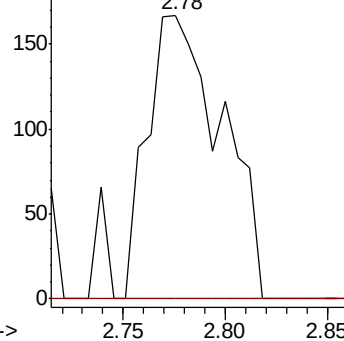
43 100

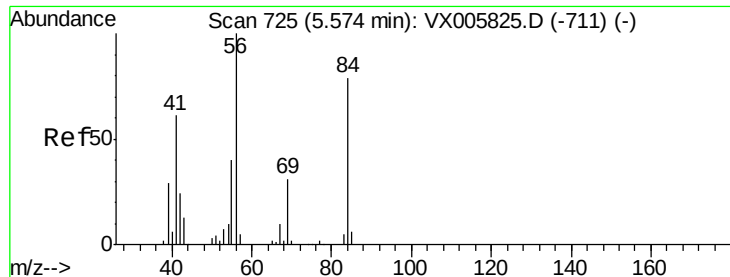
74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

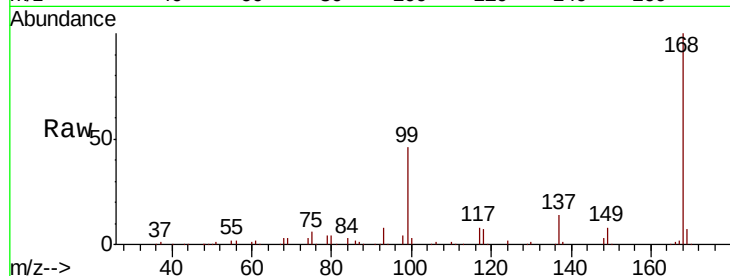




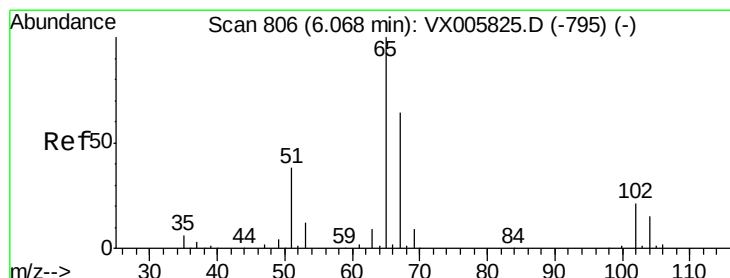
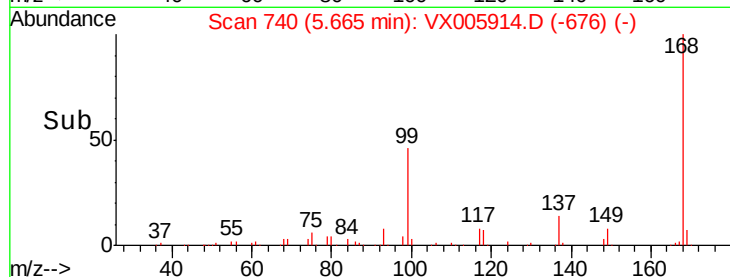
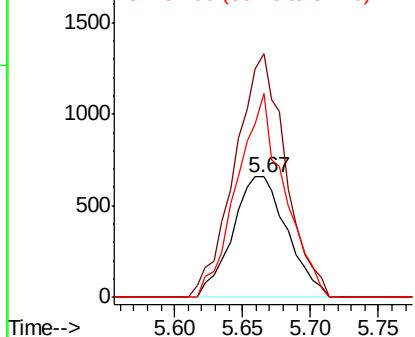
#31
Cyclohexane
Concen: 1.126 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005914.D
Acq: 12 Nov 2018 21:20

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108

Tot Ion: 56 Resp: 1844
Ion Ratio Lower Upper
56 100
69 202.0 22.6 34.0#
84 169.3 62.7 94.1#

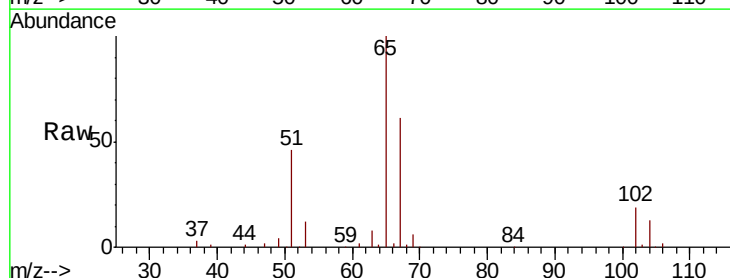


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

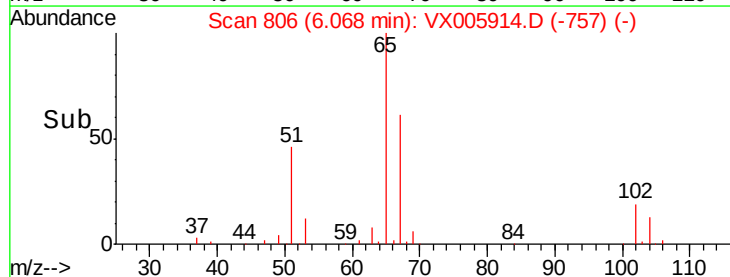
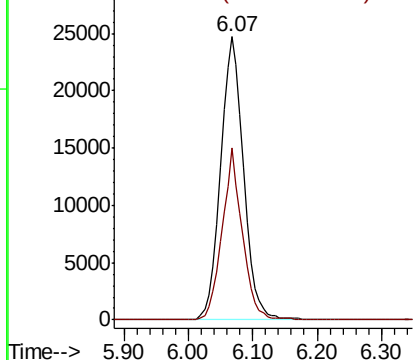


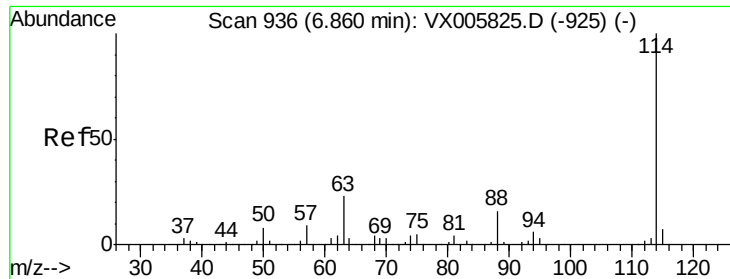
#33
1,2-Dichloroethane-d4
Concen: 53.004 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005914.D
Acq: 12 Nov 2018 21:20

Tgt Ion: 65 Resp: 62296
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.0



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

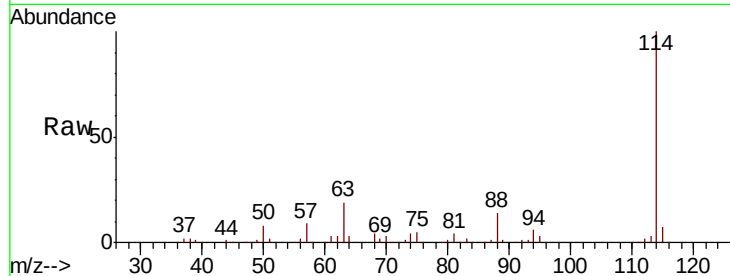




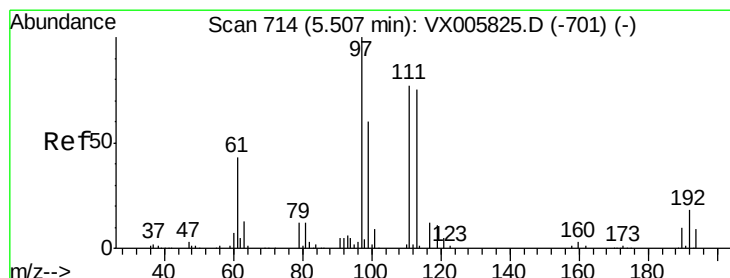
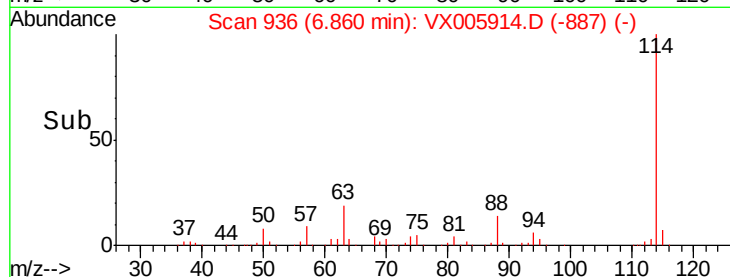
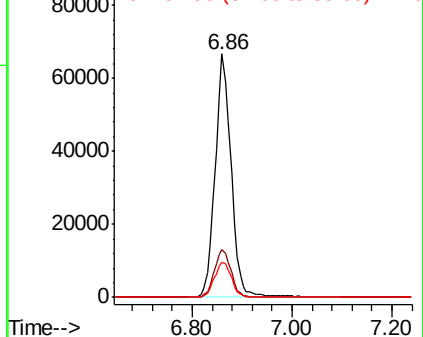
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005914.D
 Acq: 12 Nov 2018 21:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108

Tot Ion:114 Resp: 149027
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.8
 88 14.3 0.0 31.2

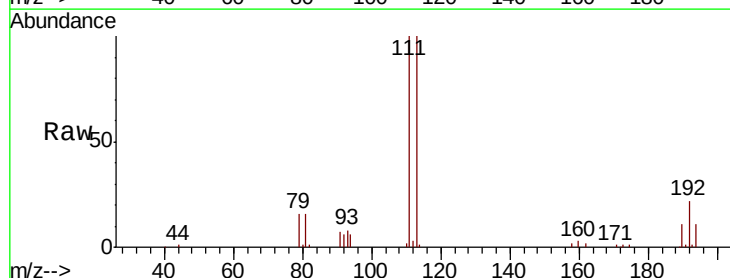


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

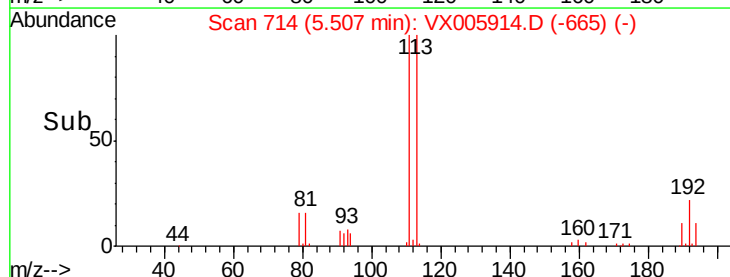
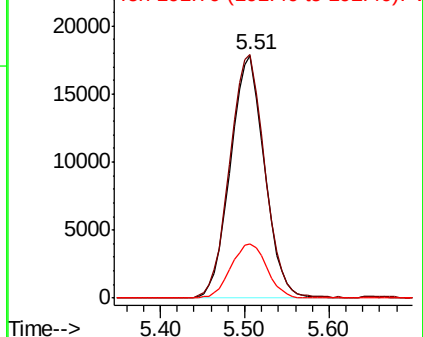


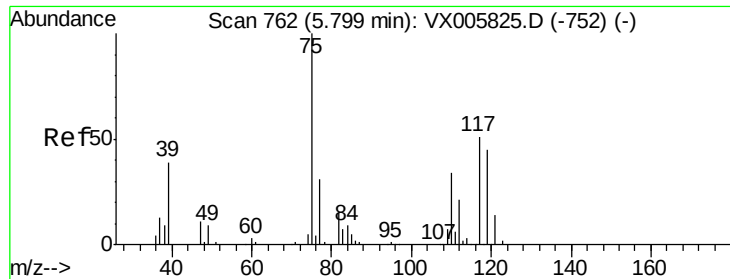
#35
 Dibromofluoromethane
 Concen: 48.182 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VX005914.D
 Acq: 12 Nov 2018 21:20

Tgt Ion:113 Resp: 48838
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.3 123.5
 192 23.4 17.9 26.9



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

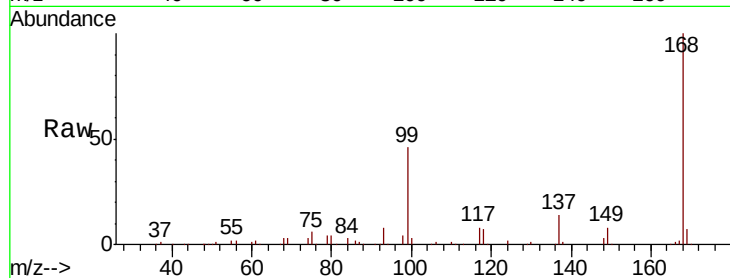




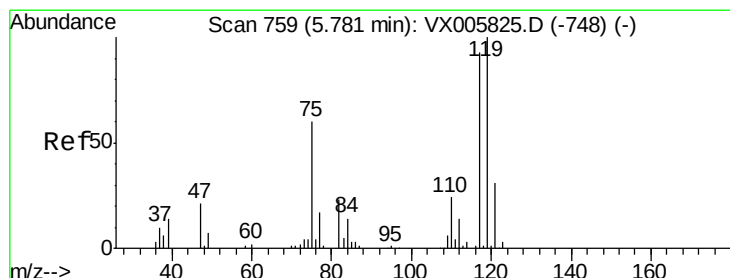
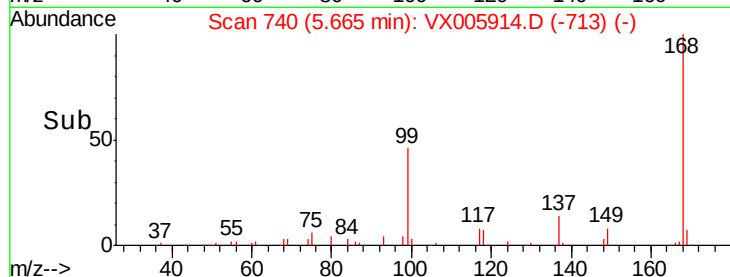
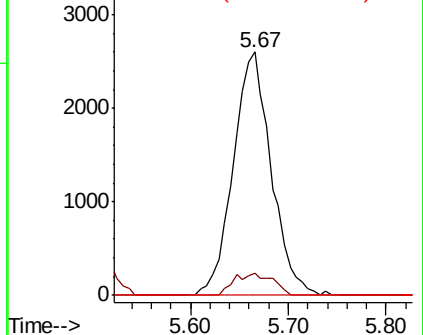
#36
 1,1-Dichloropropene
 Concen: 4.870 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005914.D
 Acq: 12 Nov 2018 21:20

Instrument :
 MSVOA_X
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 SS003MW273-181108

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.4	52.2#
77	0.0	25.8	38.6#

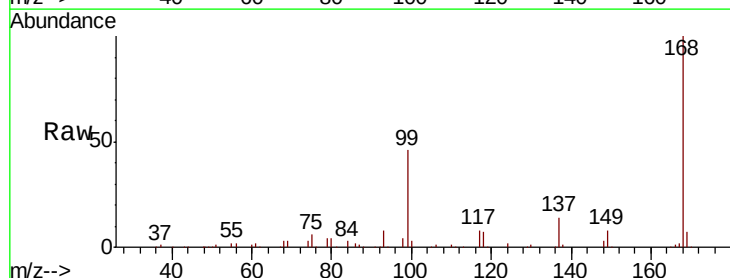


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

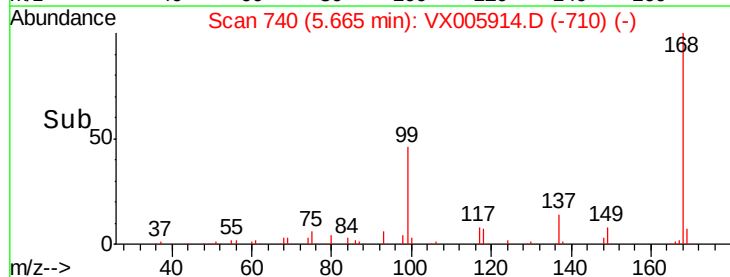
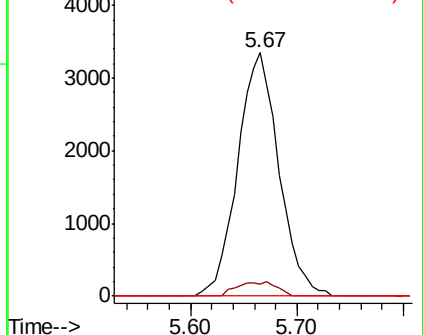


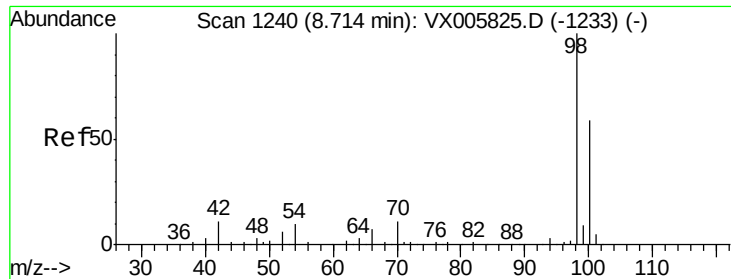
#38
 Carbon Tetrachloride
 Concen: 6.324 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005914.D
 Acq: 12 Nov 2018 21:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	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

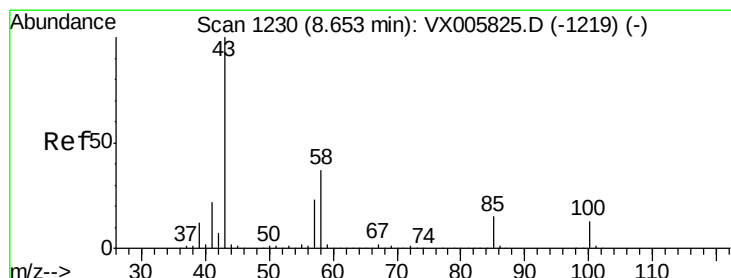
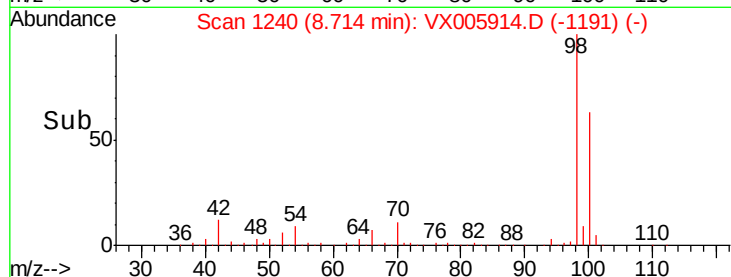
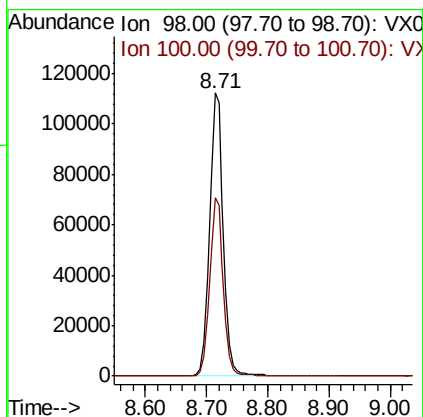
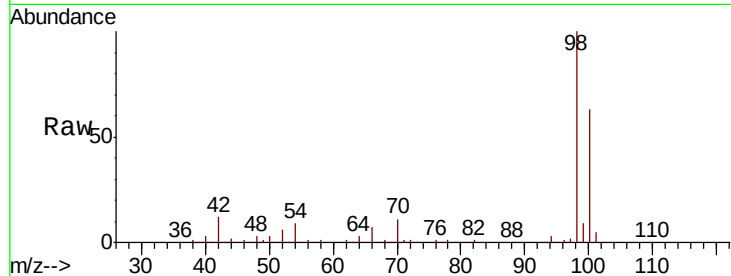




#50
Toluene-d8
Concen: 53.061 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005914.D
Acq: 12 Nov 2018 21:20

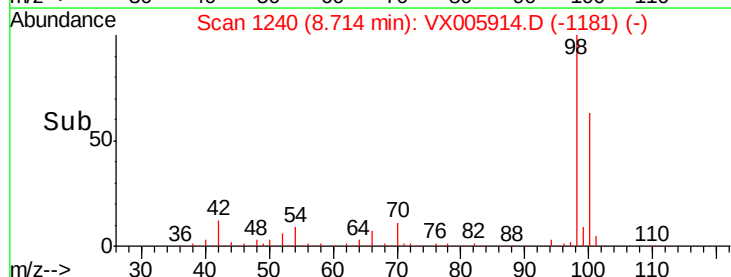
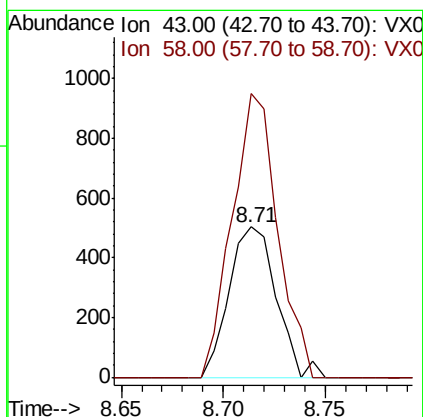
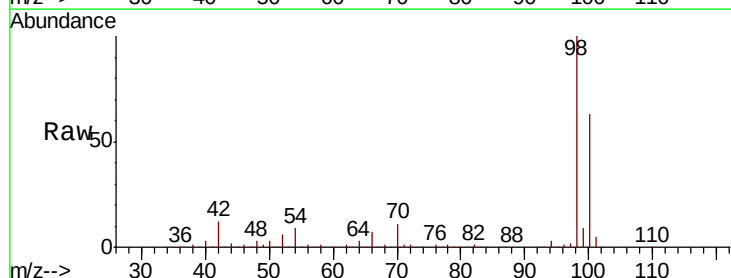
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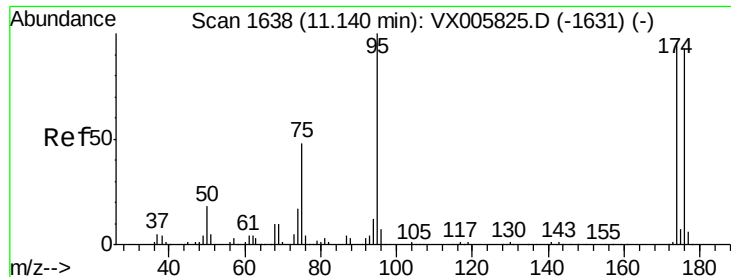
Tot Ion: 98 Resp: 178805
Ion Ratio Lower Upper
98 100
100 62.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.06 min
Lab File: VX005914.D
Acq: 12 Nov 2018 21:20

Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
58 181.9 29.7 44.5#

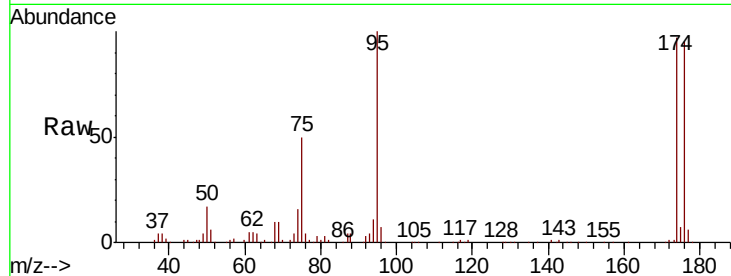




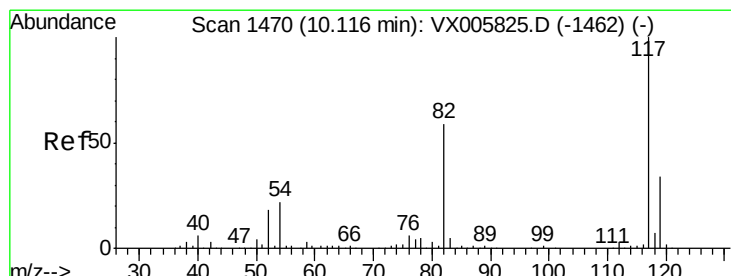
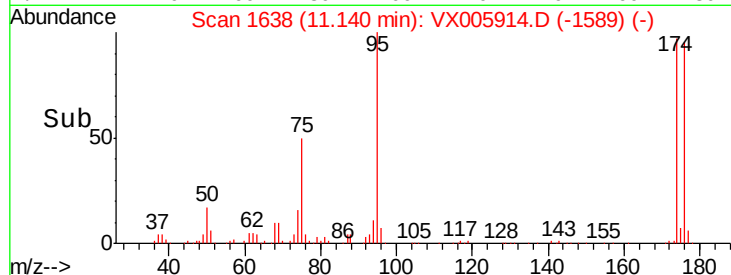
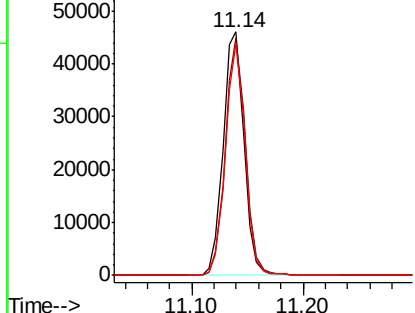
#62
4-Bromofluorobenzene
Concen: 49.260 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005914.D
Acq: 12 Nov 2018 21:20

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108

Tot Ion: 95 Resp: 59682
Ion Ratio Lower Upper
95 100
174 94.3 0.0 184.4
176 89.9 0.0 177.4

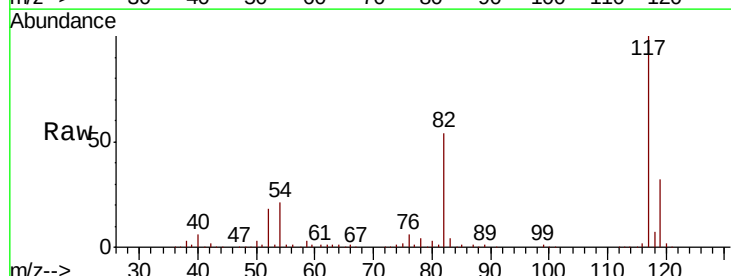


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

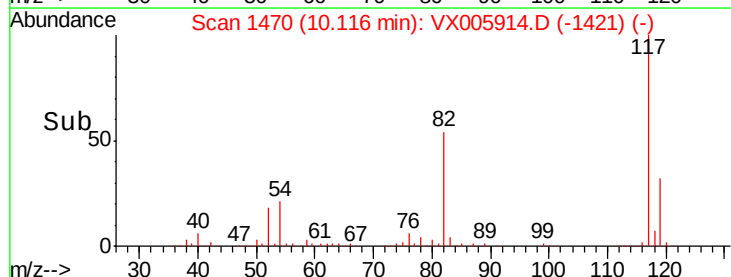
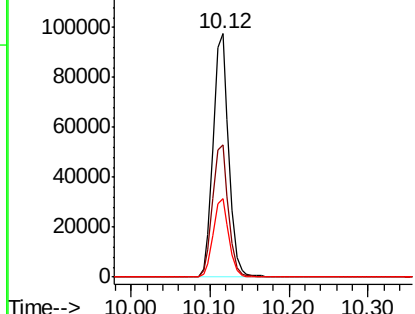


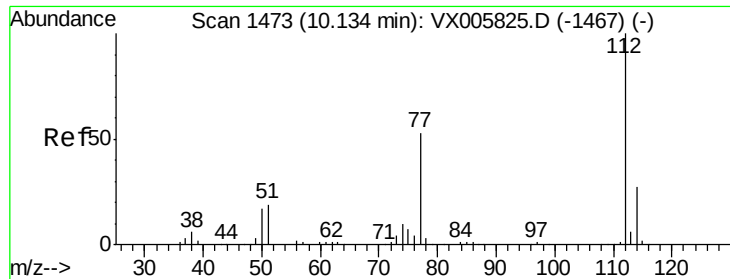
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005914.D
Acq: 12 Nov 2018 21:20

Tgt Ion: 117 Resp: 134518
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 32.3 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

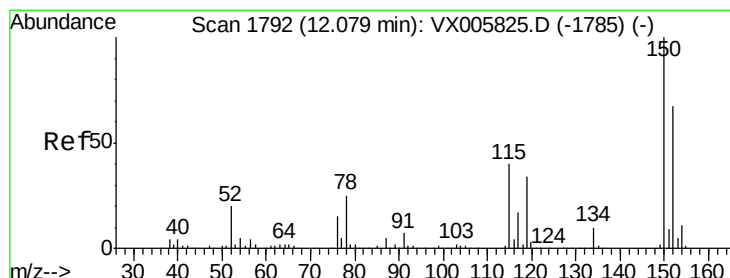
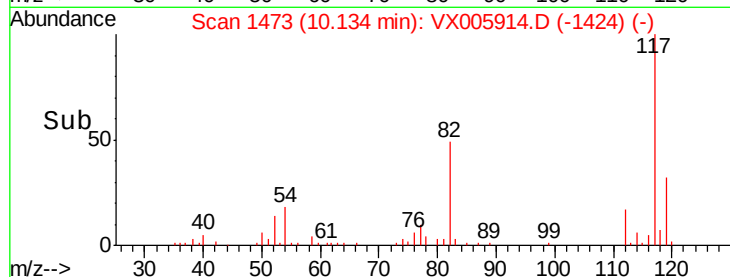
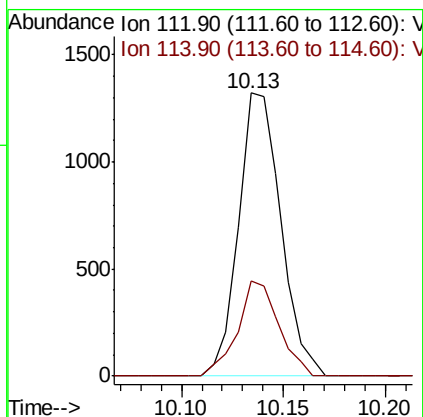
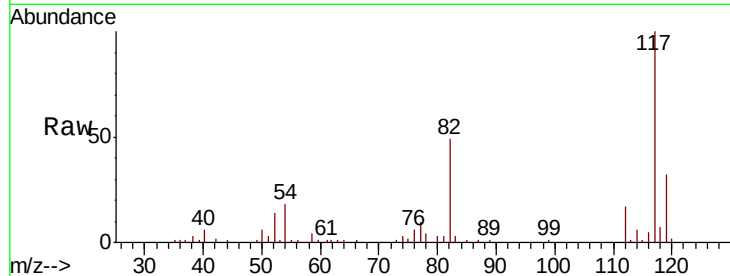




#65
Chlorobenzene
Concen: 0.706 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX005914.D
Acq: 12 Nov 2018 21:20

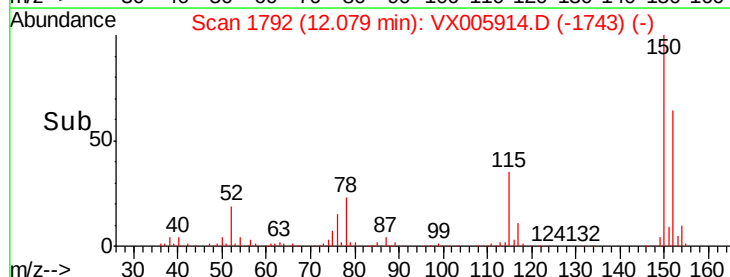
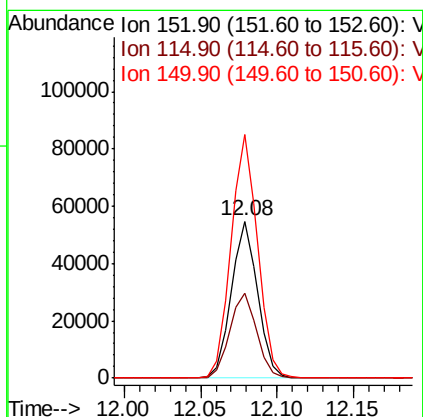
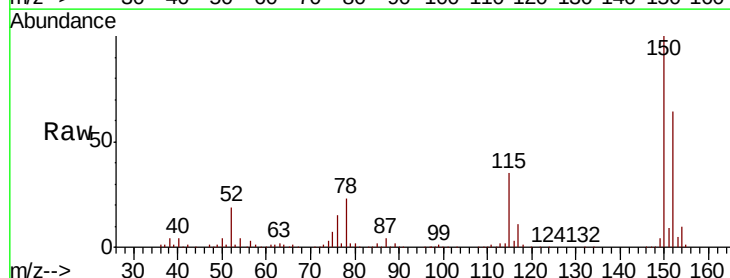
Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108

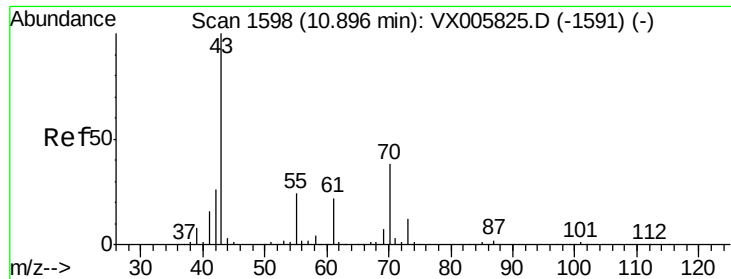
Tot Ion:112 Resp: 1903
Ion Ratio Lower Upper
112 100
114 33.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005914.D
Acq: 12 Nov 2018 21:20

Tgt Ion:152 Resp: 64851
Ion Ratio Lower Upper
152 100
115 55.7 39.4 118.1
150 157.4 0.0 346.4





#74

N-amvl acetate

Concen: 1.272 ug/l

RT: 11.04 min Scan# 1621

Delta R.T. 0.14 min

Lab File: VX005914.D

Acq: 12 Nov 2018 21:20

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108

Tot Ion: 43 Resp: 45

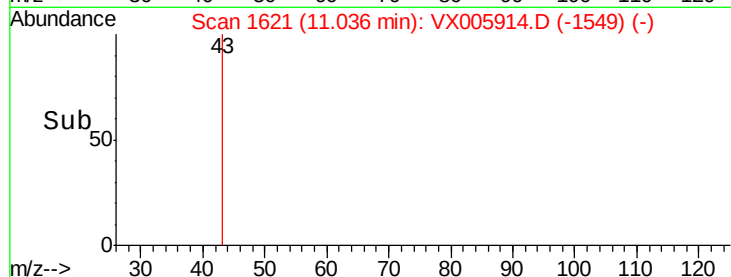
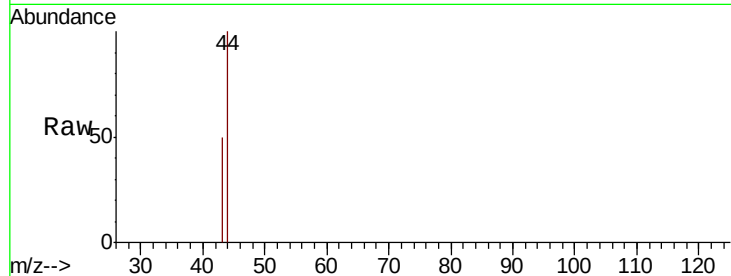
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

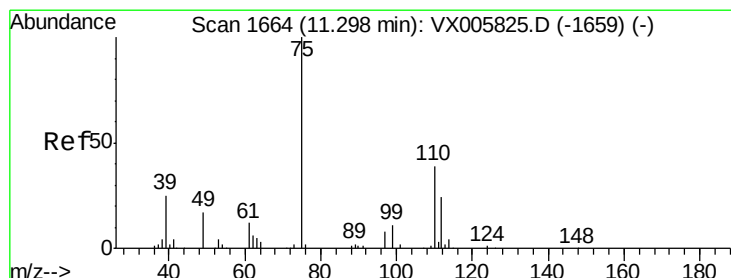
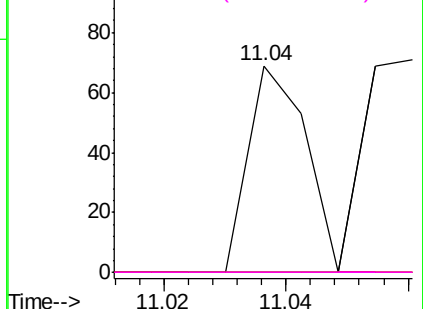


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.780 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005914.D

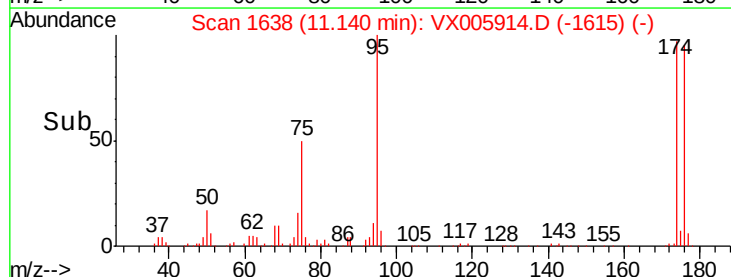
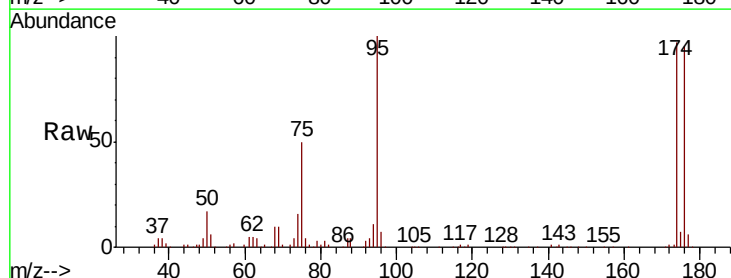
Acq: 12 Nov 2018 21:20

Tgt Ion: 75 Resp: 30081

Ion Ratio Lower Upper

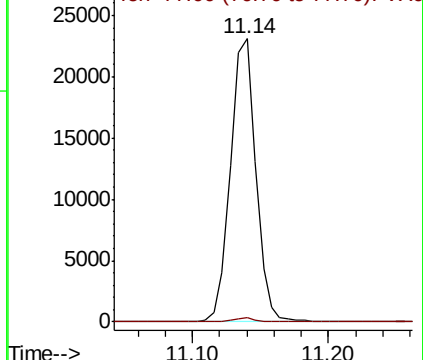
75 100

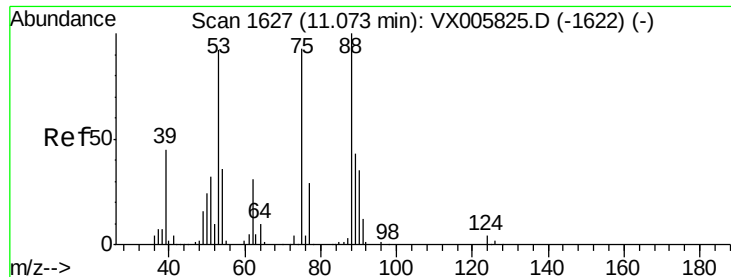
77 1.2 20.5 61.6#



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: 72.603 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005914.D

Acq: 12 Nov 2018 21:20

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108

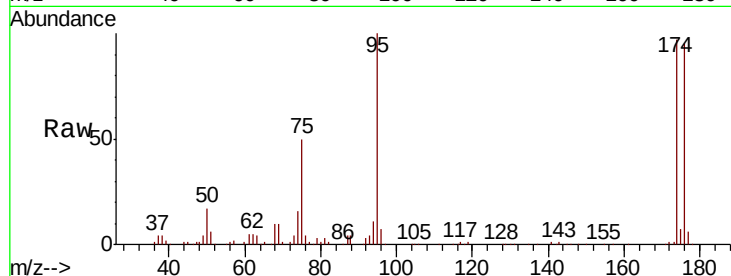
Tot Ion: 75 Resp: 30081

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.8 59.8#

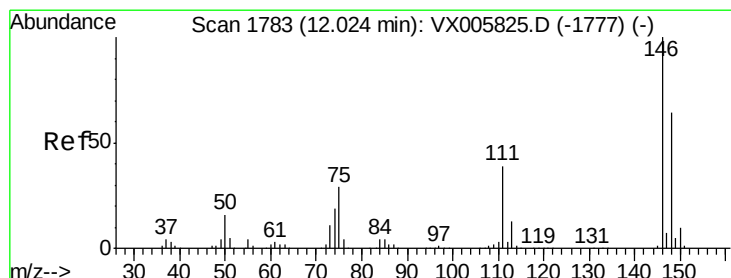
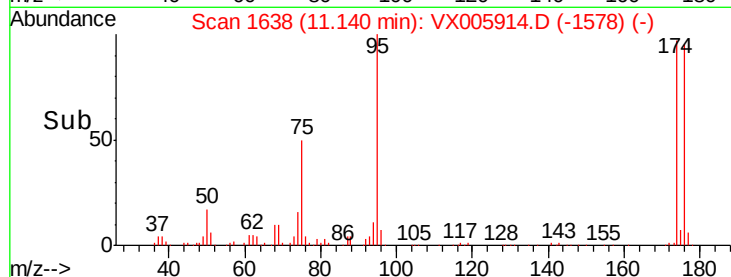
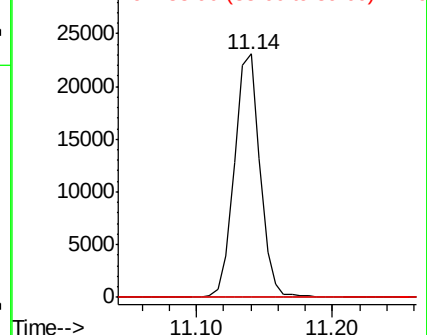


Abundance

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



#87

1,3-Dichlorobenzene

Concen: 0.318 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VX005914.D

Acq: 12 Nov 2018 21:20

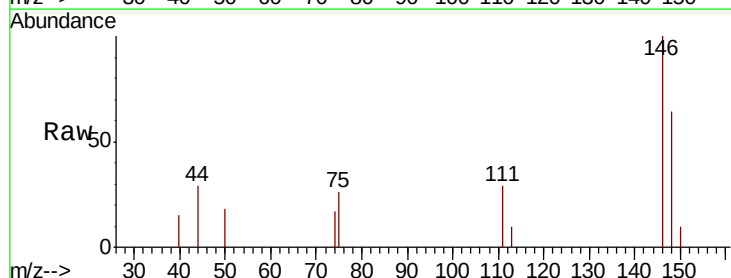
Tgt Ion: 146 Resp: 645

Ion Ratio Lower Upper

146 100

111 39.4 19.0 57.0

148 70.2 31.9 95.9

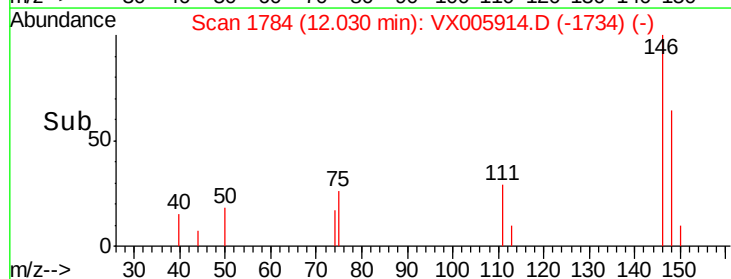
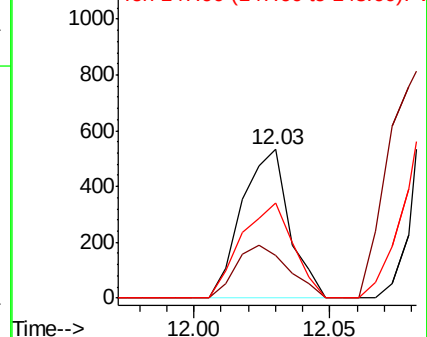


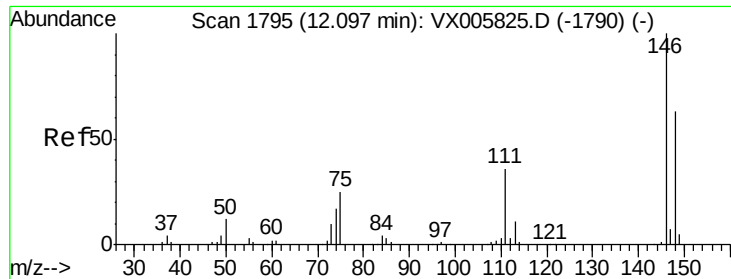
Abundance

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

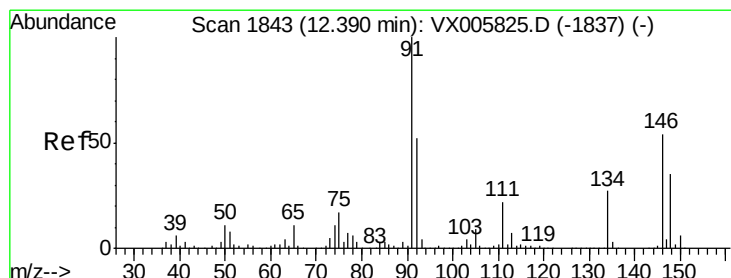
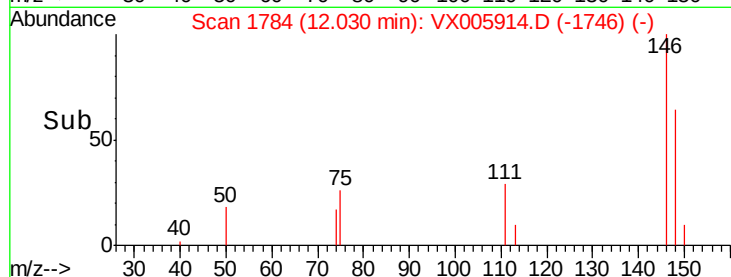
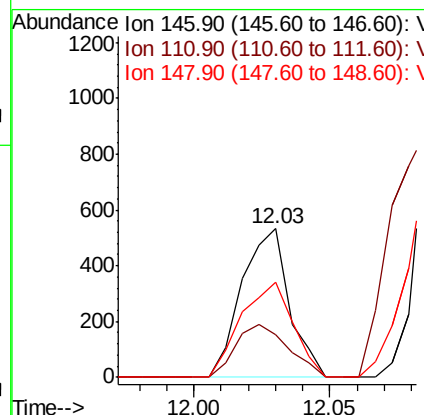
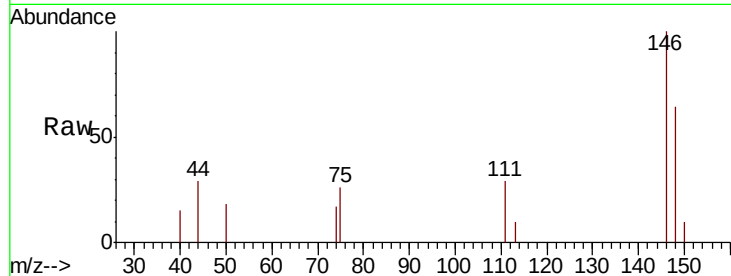




#88
 1,4-Dichlorobenzene
 Concen: 0.311 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.07 min
 Lab File: VX005914.D
 Acq: 12 Nov 2018 21:20

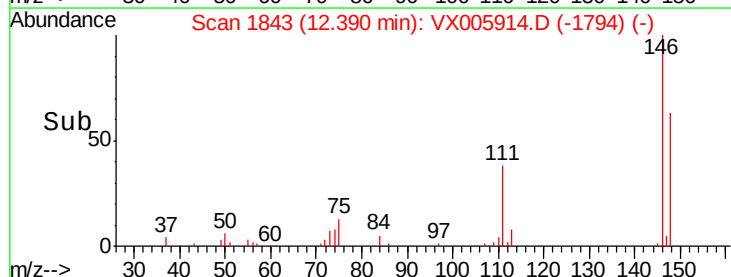
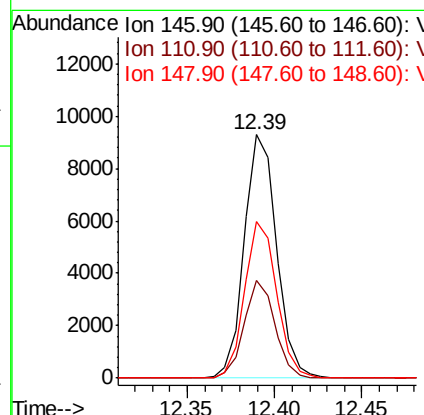
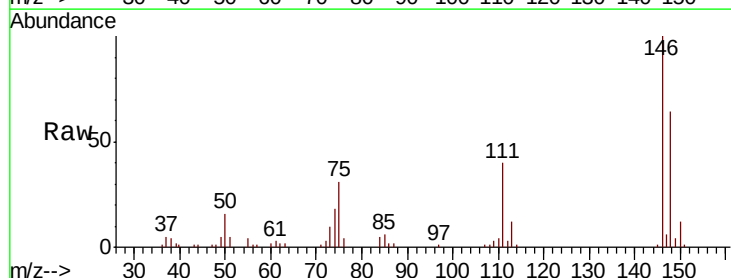
Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108

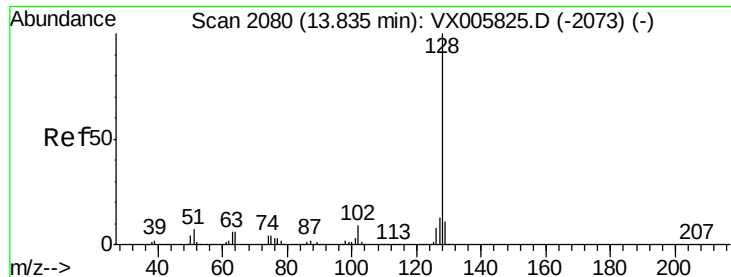
Tot Ion:146 Resp: 645
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.6 55.8
 148 70.2 32.1 96.3



#91
 1,2-Dichlorobenzene
 Concen: 5.882 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005914.D
 Acq: 12 Nov 2018 21:20

Tgt Ion:146 Resp: 11954
 Ion Ratio Lower Upper
 146 100
 111 38.1 20.0 59.9
 148 63.6 32.2 96.6





#95

Naphthalene

Concen: 1.199 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005914.D

Acq: 12 Nov 2018 21:20

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108

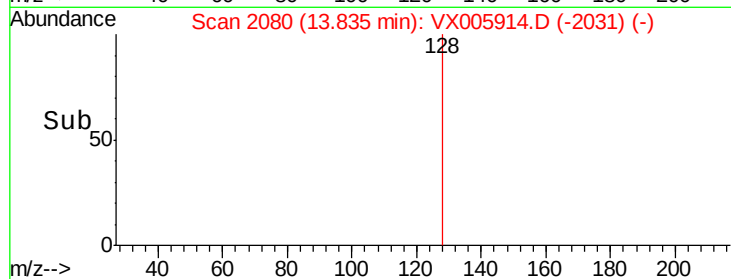
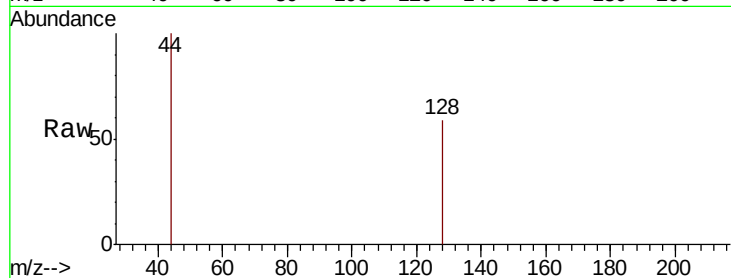
Tot Ion:128 Resp: 103

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

