

Data File : VX000907.D

Acq On : 15 Apr 2018 19:34

Operator : JC/MD

Sample : J2383-04

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 20 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

DRUM-PW-COMPOSITE

Quant Time: Apr 16 07:40:46 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M

Quant Title : SW846 8260

QLast Update : Tue Apr 10 15:49:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	279848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	377953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	352111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	234567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	166801	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
35) Dibromofluoromethane	5.51	113	133107	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
50) Toluene-d8	8.73	98	528652	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.14	95	207199	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	

Target Compounds

						Qvalue
5) Bromomethane	1.67	94	181	Below Cal	#	52
11) Tert butyl alcohol	3.06	59	302	0.48	ug/l #	72
13) Acrolein	2.30	56	61	0.20	ug/l #	1
16) Acetone	2.45	43	11653	9.58	ug/l	91
19) Methyl tert-butyl Ether	3.22	73	2219	0.26	ug/l	95
20) Methylene Chloride	2.87	84	753	0.27	ug/l #	74
25) 2-Butanone	4.71	43	3702	1.84	ug/l	96
27) cis-1,2-Dichloroethene	4.61	96	649	0.20	ug/l	85
29) Tetrahydrofuran	5.17	42	294	0.23	ug/l #	33
30) Chloroform	5.22	83	2737	0.53	ug/l	91
31) Cyclohexane	5.67	56	4673	1.00	ug/l #	6
36) 1,1-Dichloropropene	5.67	75	16771	4.03	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23522	5.05	ug/l #	14
44) Trichloroethene	7.23	130	730	0.20	ug/l	72
59) 2-Hexanone	9.65	43	28387	8.99	ug/l #	28
68) m/p-Xylenes	10.37	106	1807	0.31	ug/l	88
69) o-Xylene	10.71	106	1544	0.27	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	100196	24.77	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.51	105	2991	0.23	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.14	75	100196	68.13	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	8011	0.61	ug/l	97
89) n-Butylbenzene	12.39	91	3862	0.30	ug/l #	33
90) Hexachloroethane	12.62	117	493	0.20	ug/l #	1
95) Naphthalene	13.84	128	9106	0.53	ug/l	98

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 20 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

DRUM-PW-COMPOSITE

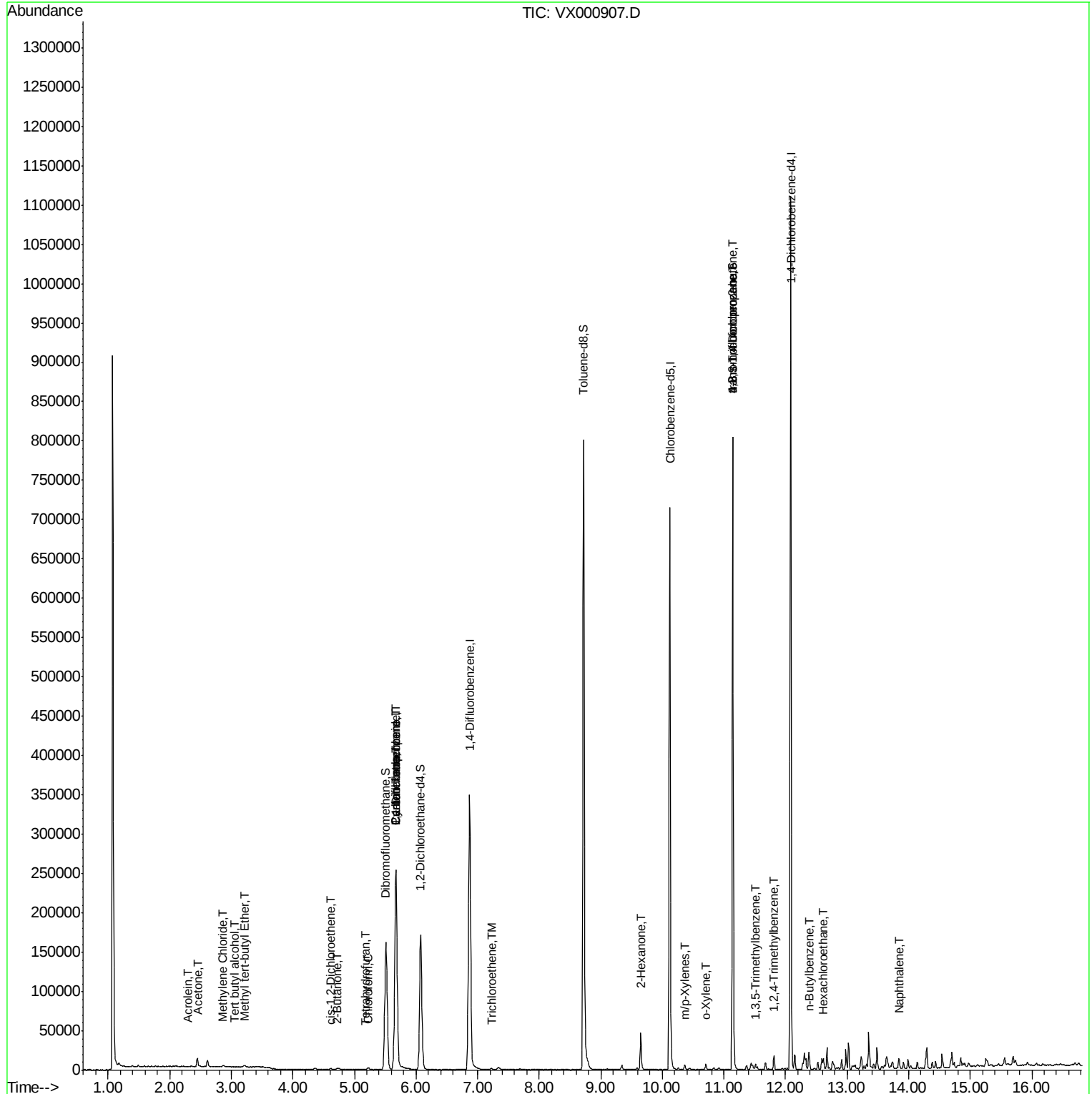
Quant Time: Apr 16 07:40:46 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M

Quant Title : SW846 8260

QLast Update : Tue Apr 10 15:49:28 2018

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000907.D

Acq: 15 Apr 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

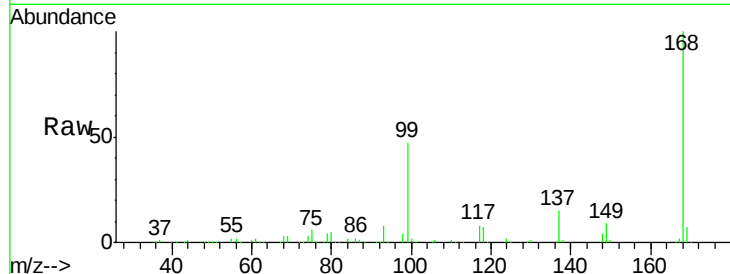
DRUM-PW-COMPOSITE

Tgt Ion: 168 Resp: 279848

Ion Ratio Lower Upper

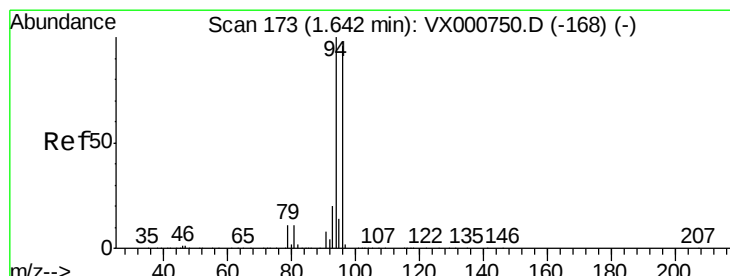
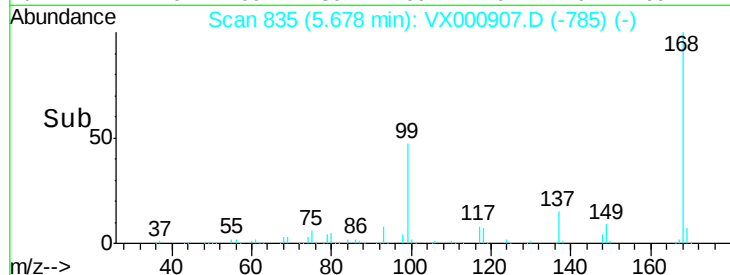
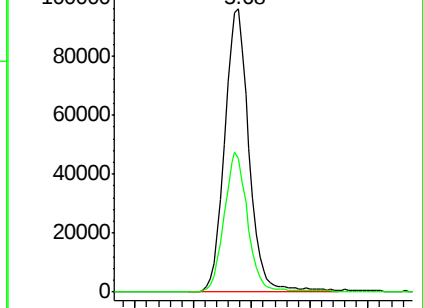
168 100

99 47.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 178

Delta R.T. 0.03 min

Lab File: VX000907.D

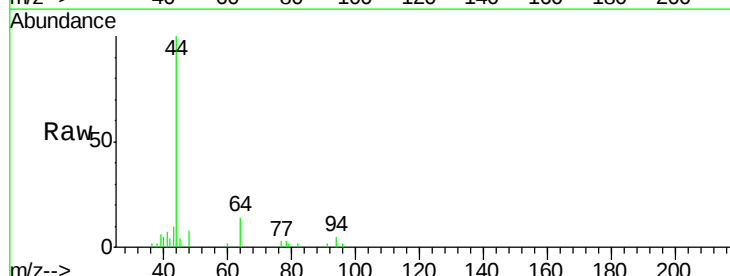
Acq: 15 Apr 2018 19:34

Tgt Ion: 94 Resp: 181

Ion Ratio Lower Upper

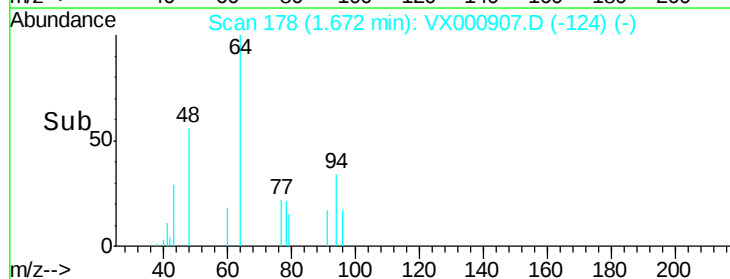
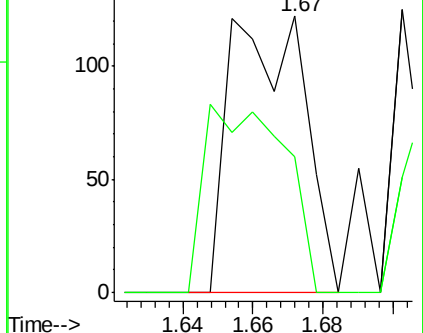
94 100

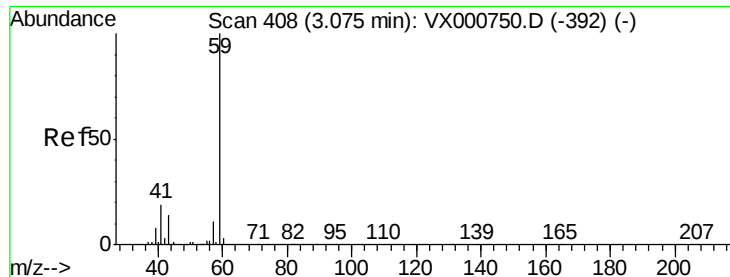
96 49.2 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

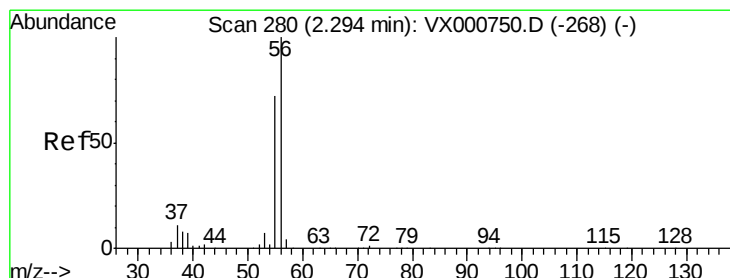
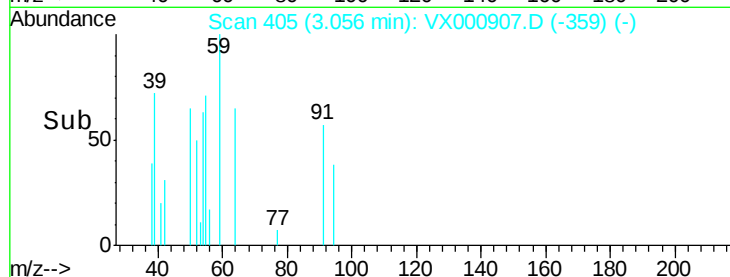
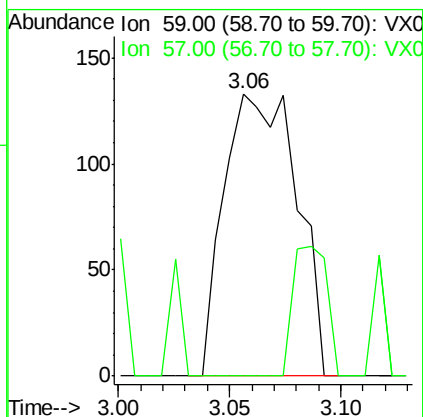
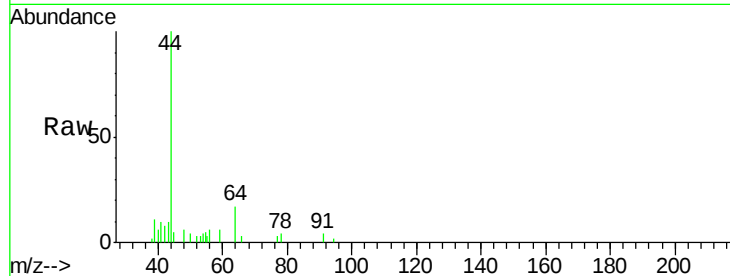




#11
Tert butyl alcohol
Concen: 0.48 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX000907.D
Acq: 15 Apr 2018 19:34

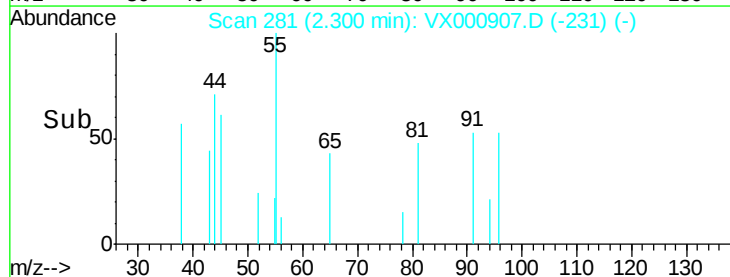
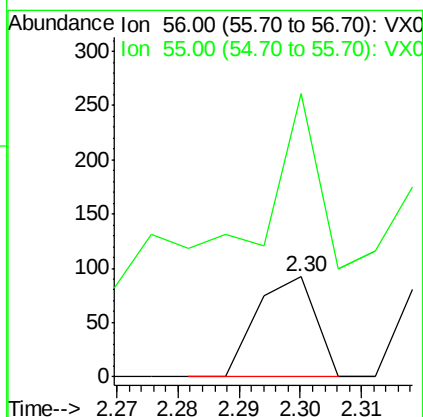
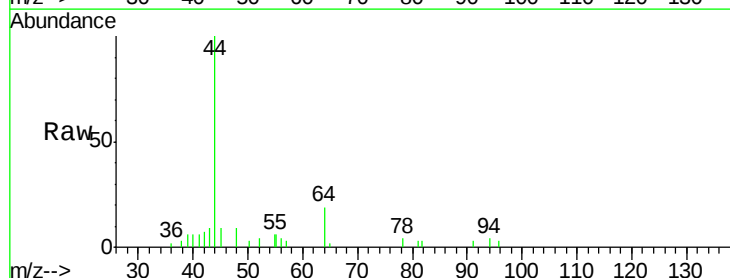
Instrument :
MSVOA_X
ClientSampleId :
DRUM-PW-COMPOSITE

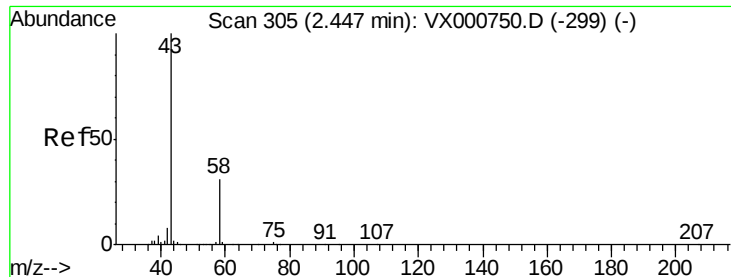
Tgt Ion: 59 Resp: 302
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 0.20 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX000907.D
Acq: 15 Apr 2018 19:34

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 242.6 58.7 88.1#





#16

Acetone

Concen: 9.58 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000907.D

Acq: 15 Apr 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

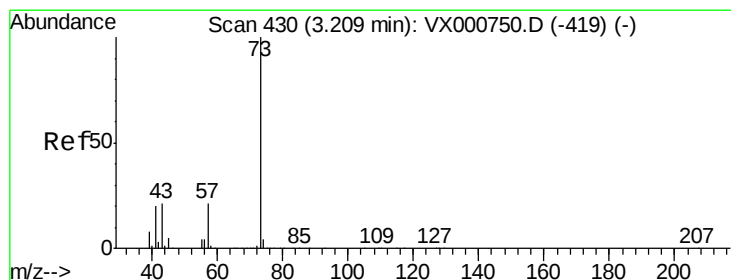
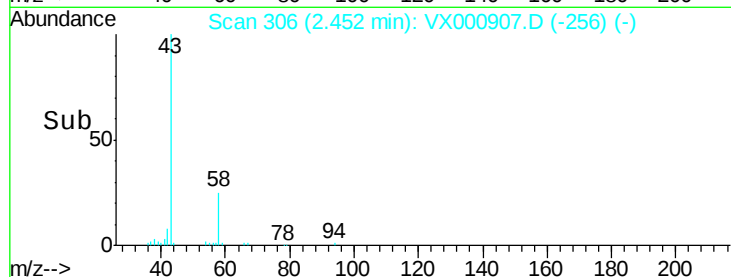
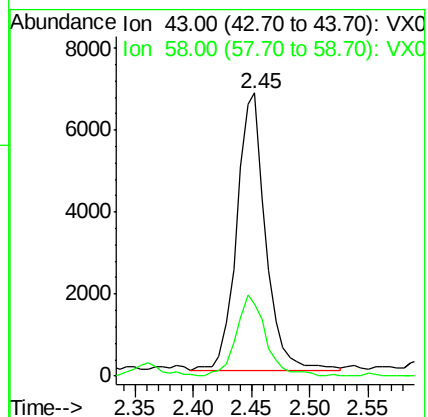
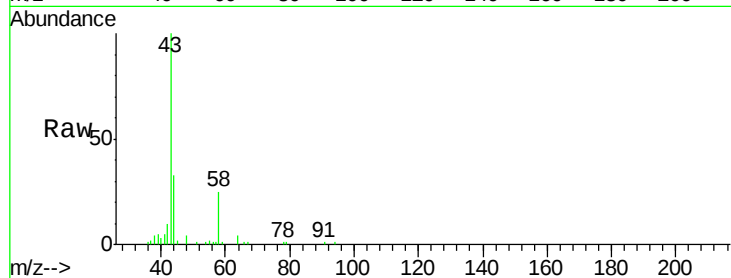
DRUM-PW-COMPOSITE

Tgt Ion: 43 Resp: 11653

Ion Ratio Lower Upper

43 100

58 26.0 24.6 37.0



#19

Methyl tert-butyl Ether

Concen: 0.26 ug/l

RT: 3.22 min Scan# 432

Delta R.T. 0.01 min

Lab File: VX000907.D

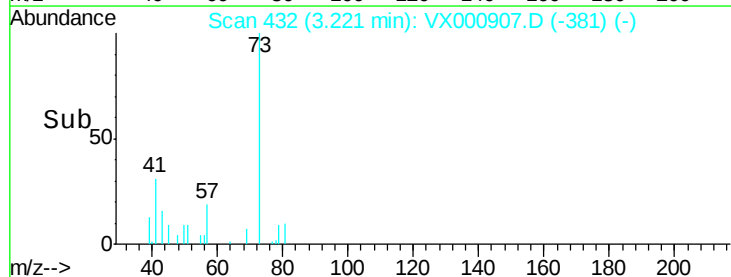
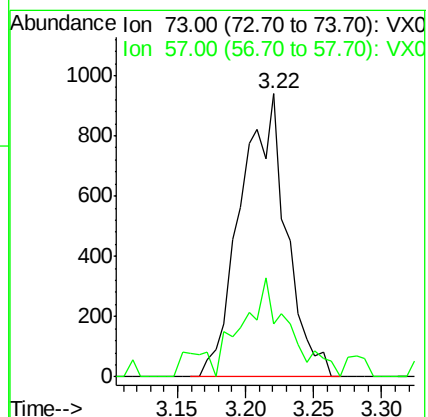
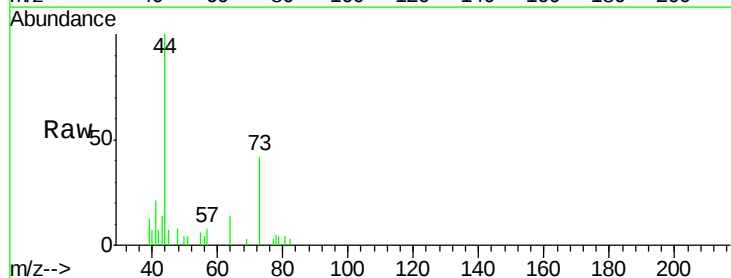
Acq: 15 Apr 2018 19:34

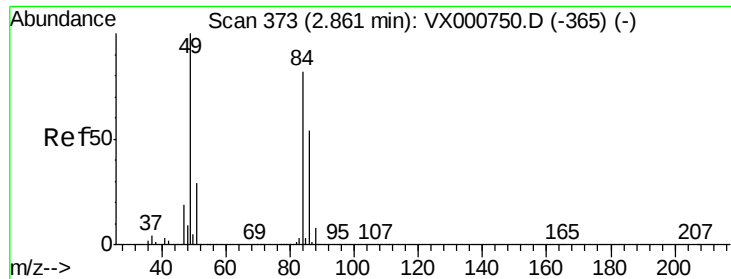
Tgt Ion: 73 Resp: 2219

Ion Ratio Lower Upper

73 100

57 18.8 16.9 25.3





#20

Methylene Chloride

Concen: 0.27 ug/l

RT: 2.87 min Scan# 375

Delta R.T. 0.01 min

Lab File: VX000907.D

Acq: 15 Apr 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

DRUM-PW-COMPOSITE

Tgt Ion: 84 Resp: 753

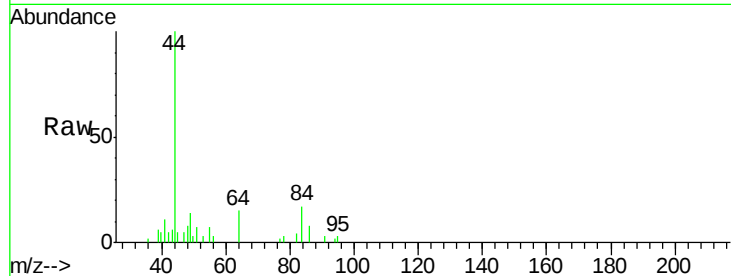
Ion Ratio Lower Upper

84 100

49 85.8 98.1 147.1#

51 41.2 28.9 43.3

86 46.4 52.7 79.1#

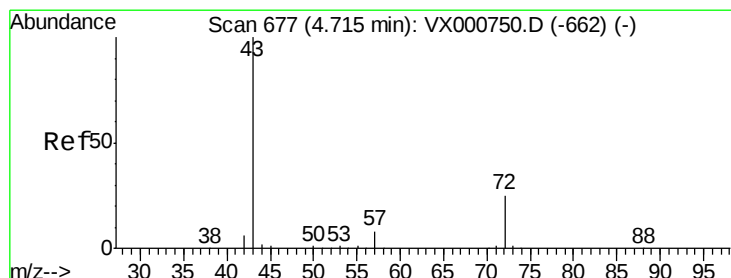
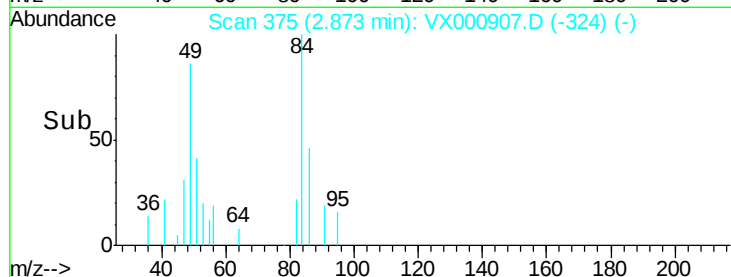
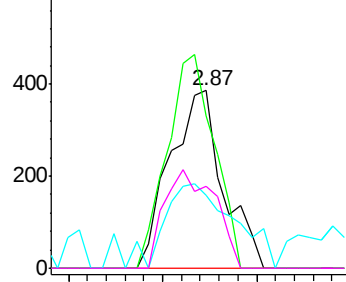


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 1.84 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000907.D

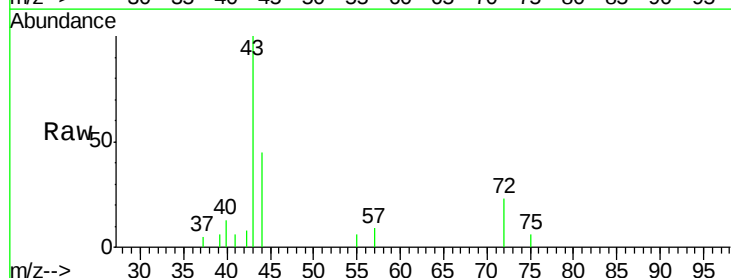
Acq: 15 Apr 2018 19:34

Tgt Ion: 43 Resp: 3702

Ion Ratio Lower Upper

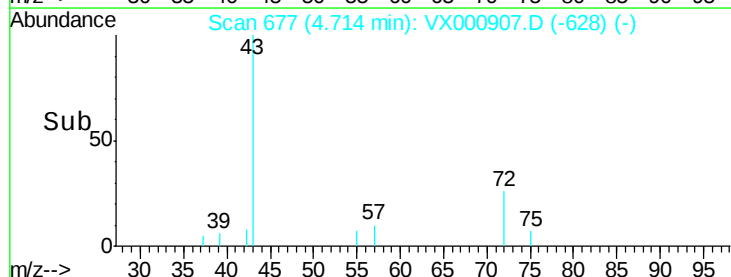
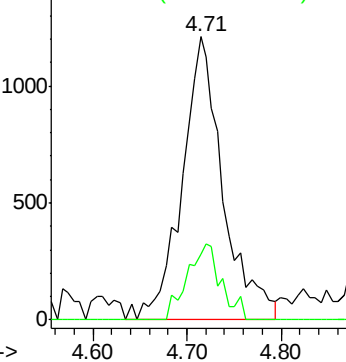
43 100

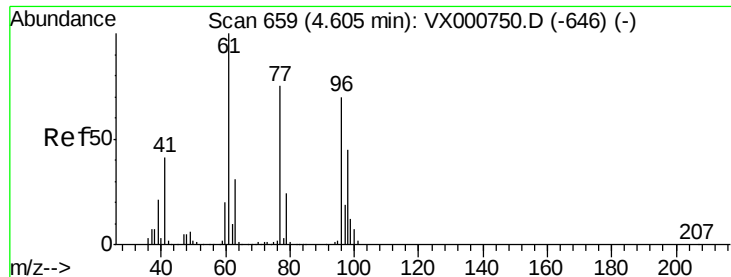
72 23.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 0.20 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000907.D

Acq: 15 Apr 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

DRUM-PW-COMPOSITE

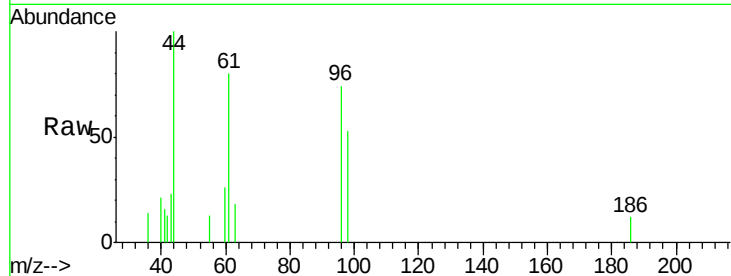
Tgt Ion: 96 Resp: 649

Ion Ratio Lower Upper

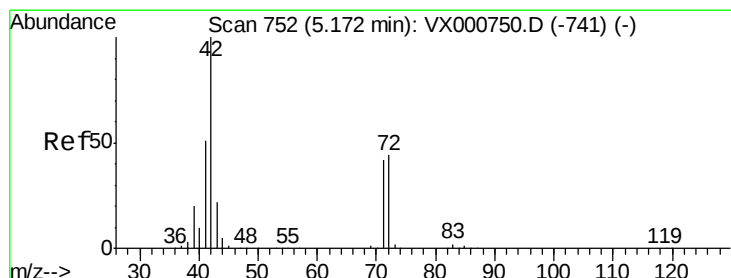
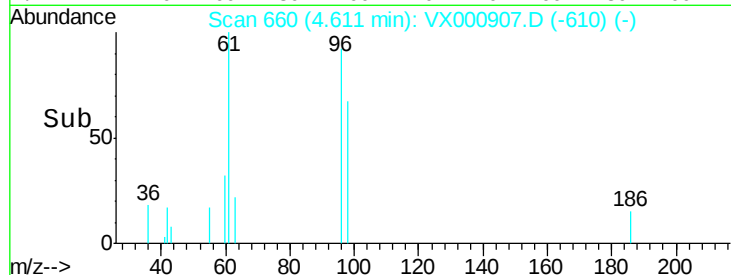
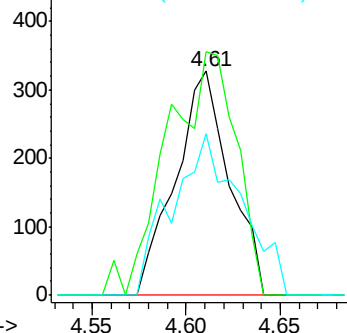
96 100

61 139.1 0.0 292.4

98 92.6 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX000907.D

Acq: 15 Apr 2018 19:34

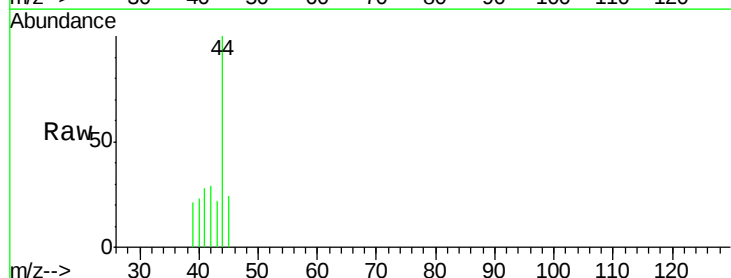
Tgt Ion: 42 Resp: 294

Ion Ratio Lower Upper

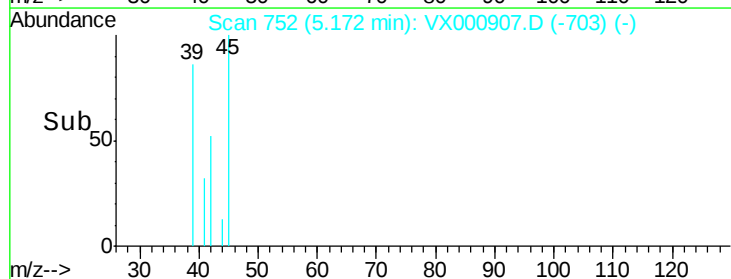
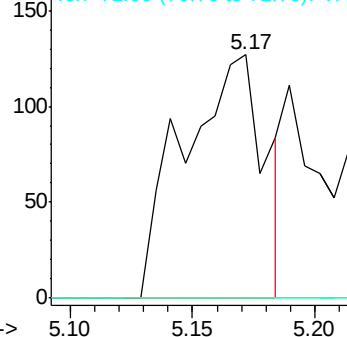
42 100

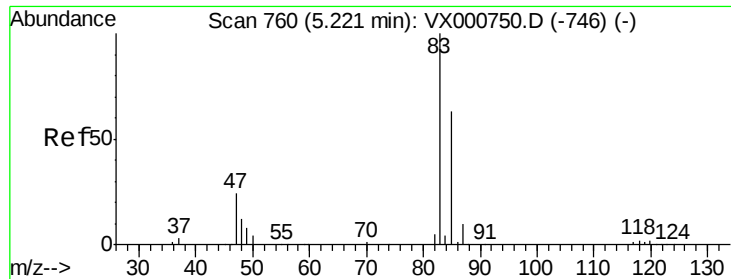
72 0.0 35.1 52.7#

71 0.0 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

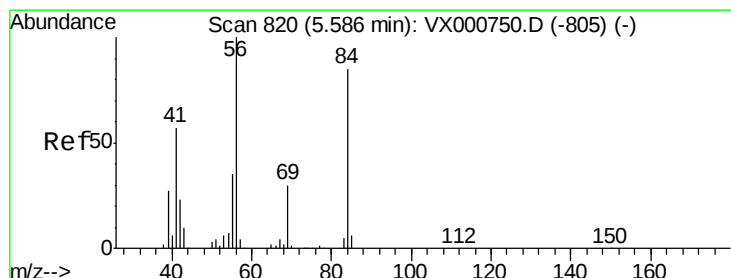
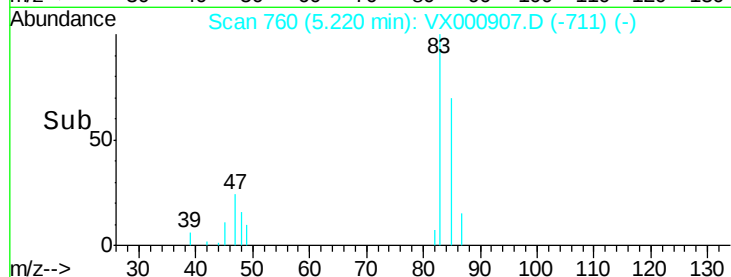
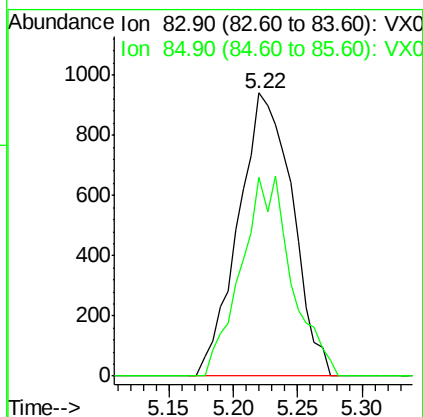
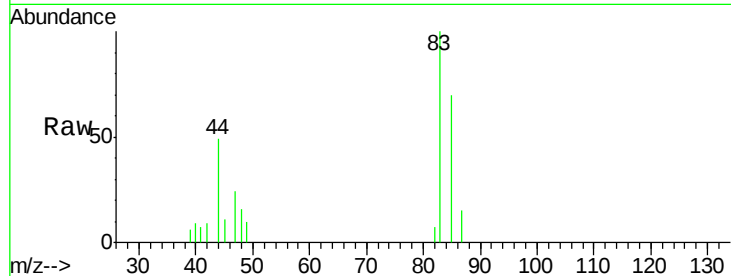




#30
Chloroform
Concen: 0.53 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX000907.D
Acq: 15 Apr 2018 19:34

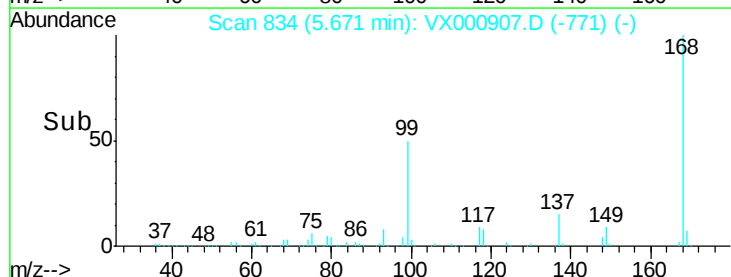
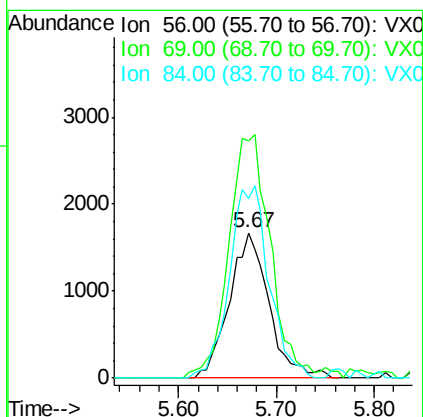
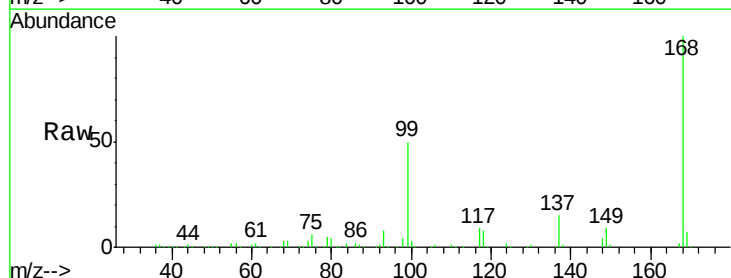
Instrument :
MSVOA_X
ClientSampleId :
DRUM-PW-COMPOSITE

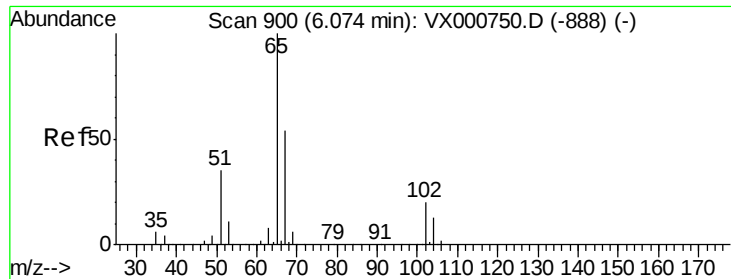
Tgt Ion: 83 Resp: 2737
Ion Ratio Lower Upper
83 100
85 70.2 50.7 76.1



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000907.D
Acq: 15 Apr 2018 19:34

Tgt Ion: 56 Resp: 4673
Ion Ratio Lower Upper
56 100
69 159.2 24.2 36.4#
84 123.1 67.6 101.4#

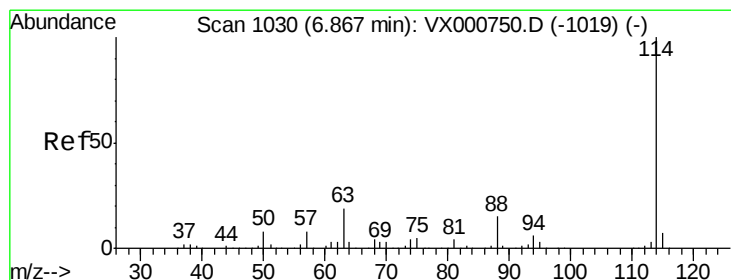
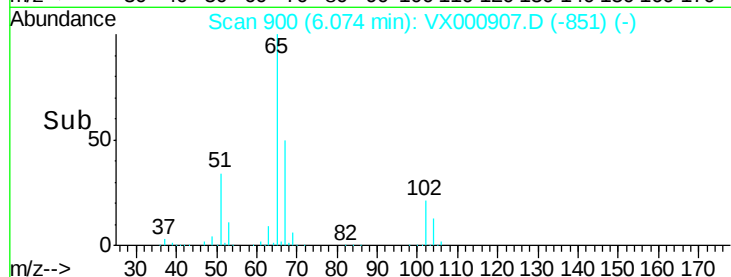
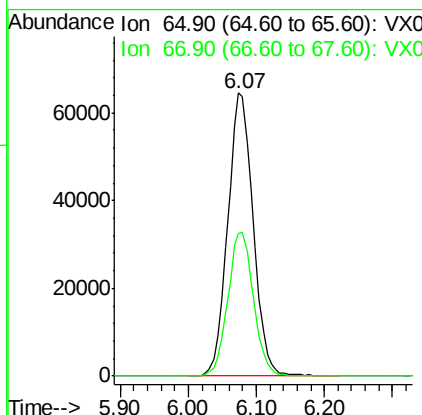
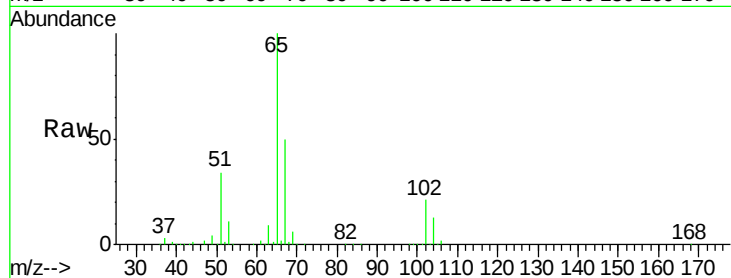




#33
 1,2-Dichloroethane-d4
 Concen: 47.27 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX000907.D
 Acq: 15 Apr 2018 19:34

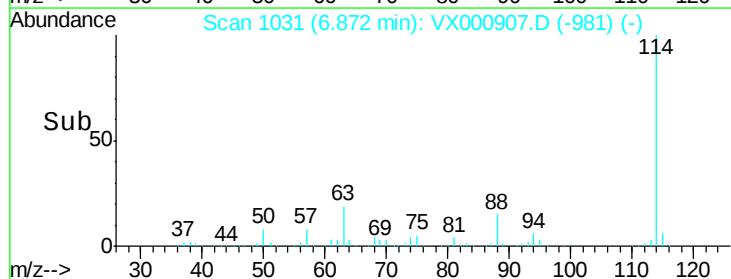
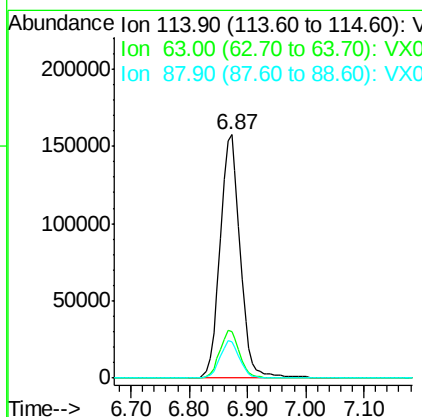
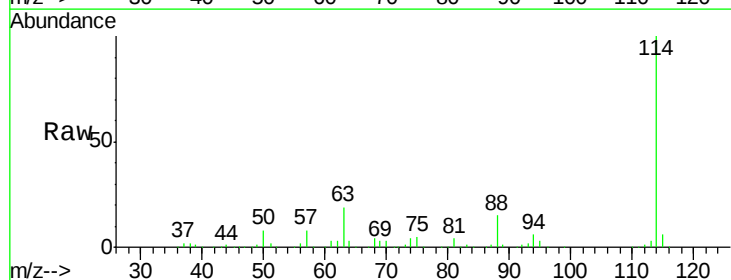
Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-PW-COMPOSITE

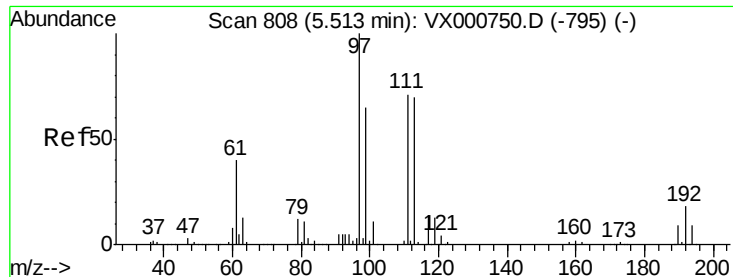
Tgt Ion: 65 Resp: 166801
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000907.D
 Acq: 15 Apr 2018 19:34

Tgt Ion: 114 Resp: 377953
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 45.71 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000907.D

Acq: 15 Apr 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

DRUM-PW-COMPOSITE

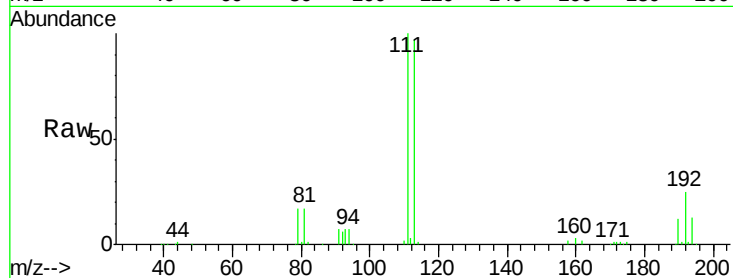
Tgt Ion:113 Resp: 133107

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

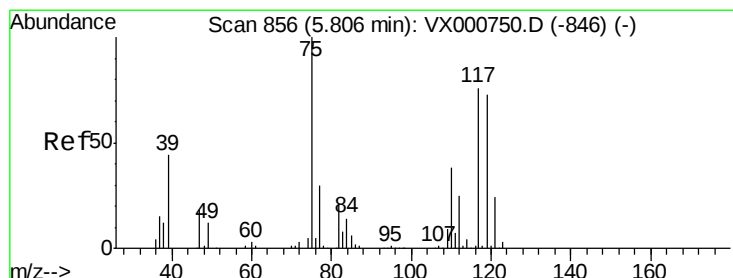
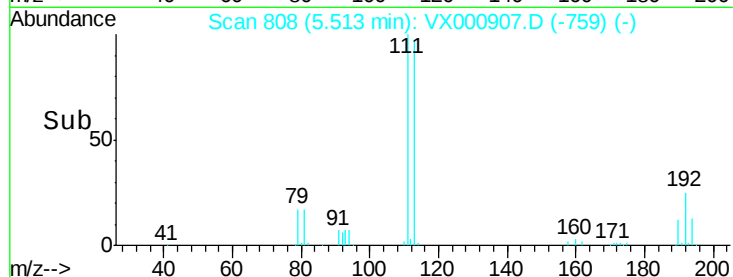
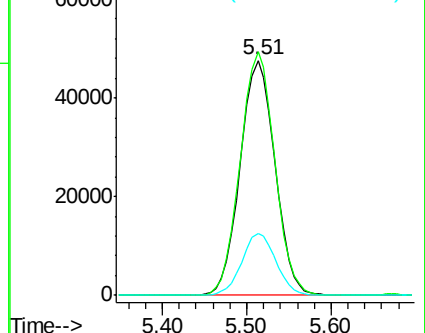
192 25.9 20.4 30.6



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: 4.03 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000907.D

Acq: 15 Apr 2018 19:34

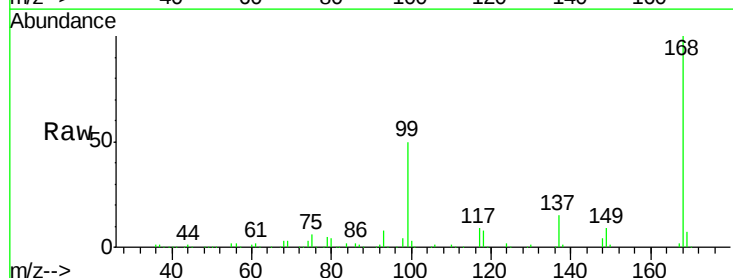
Tgt Ion: 75 Resp: 16771

Ion Ratio Lower Upper

75 100

110 10.2 19.2 57.6#

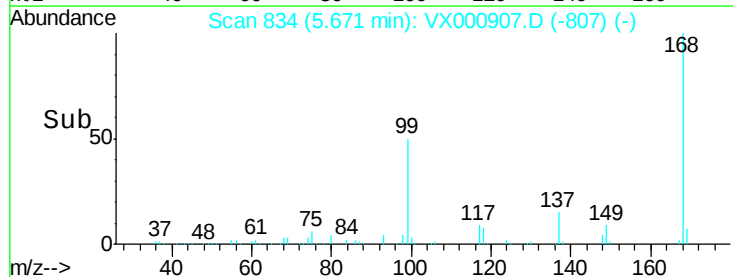
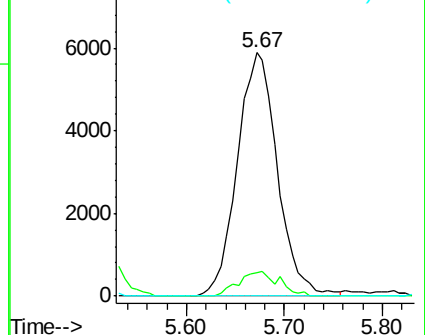
77 0.0 25.4 38.2#

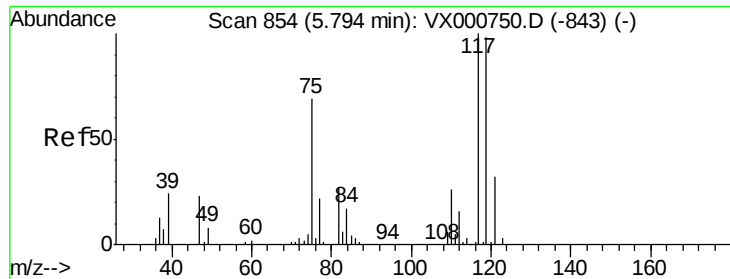


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.05 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000907.D

Acq: 15 Apr 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

DRUM-PW-COMPOSITE

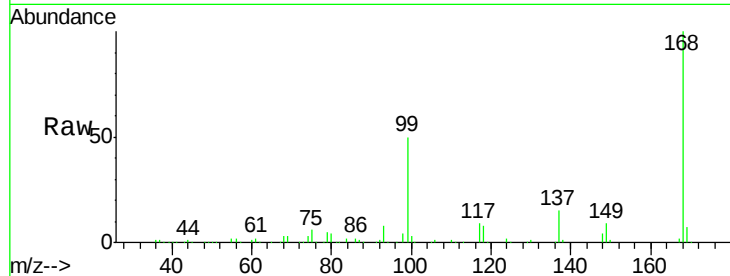
Tgt Ion:117 Resp: 23522

Ion Ratio Lower Upper

117 100

119 3.9 78.4 117.6#

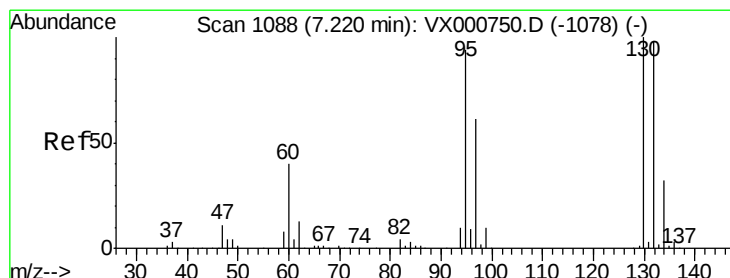
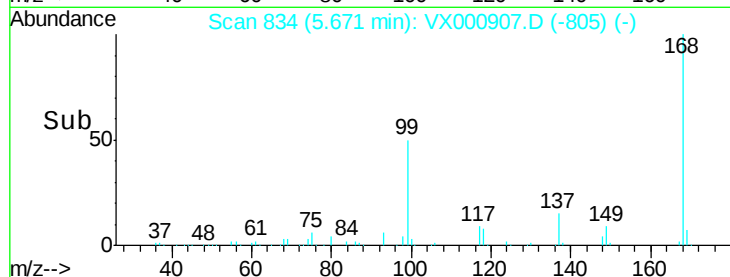
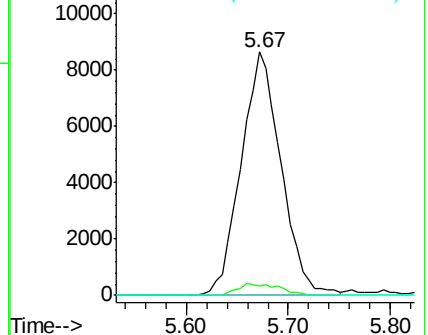
121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.20 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX000907.D

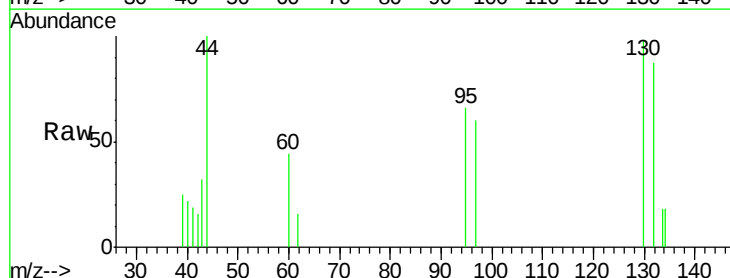
Acq: 15 Apr 2018 19:34

Tgt Ion:130 Resp: 730

Ion Ratio Lower Upper

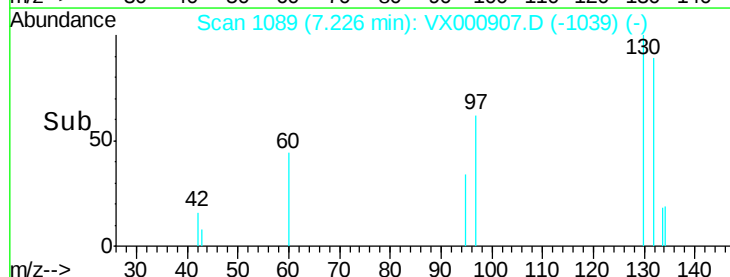
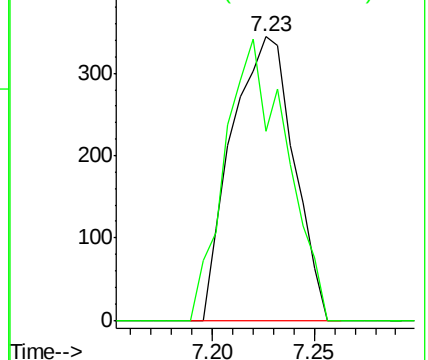
130 100

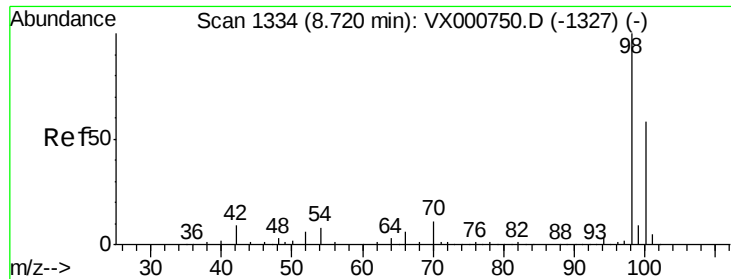
95 66.9 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

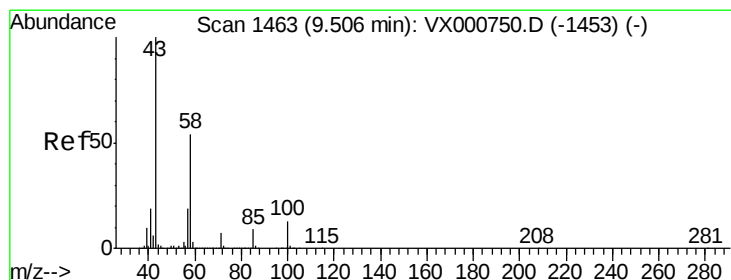
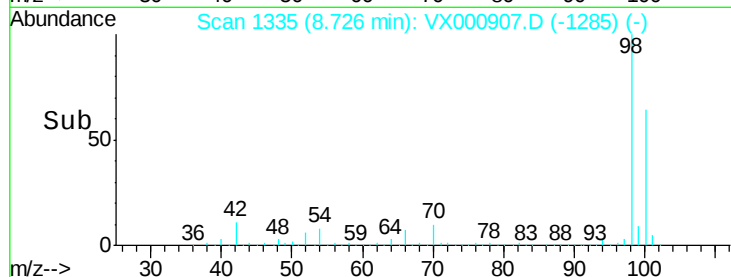
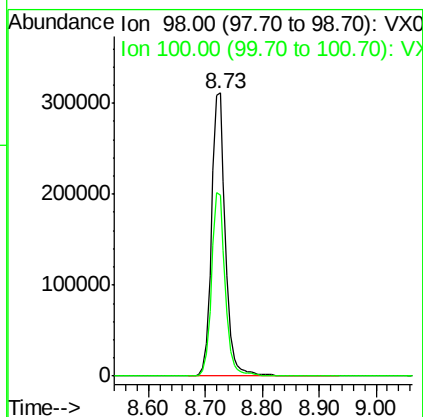
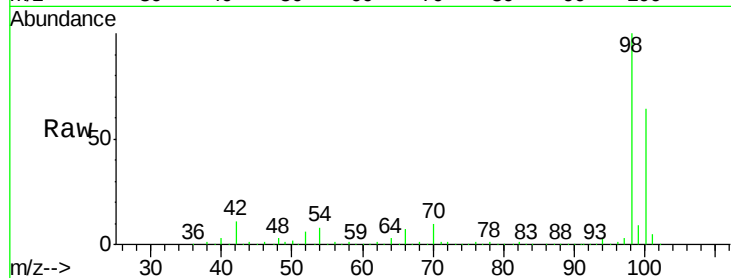




#50
Toluene-d8
Concen: 48.76 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000907.D
Acq: 15 Apr 2018 19:34

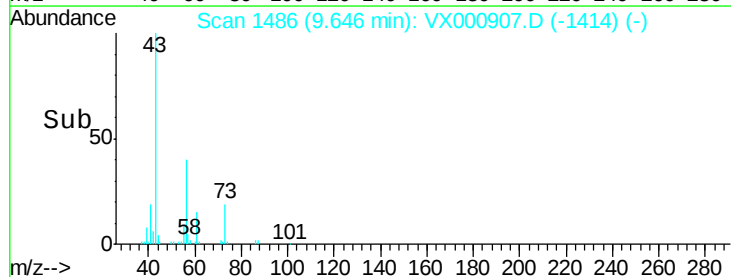
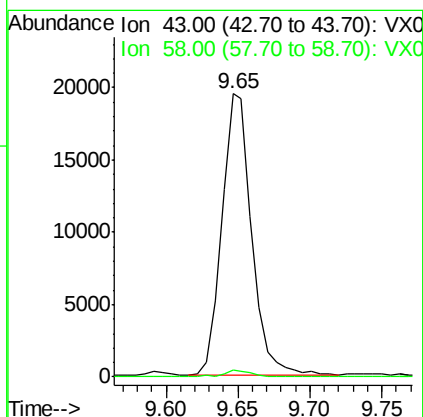
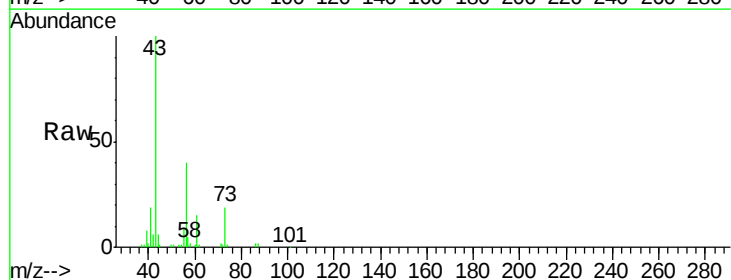
Instrument :
MSVOA_X
ClientSampleId :
DRUM-PW-COMPOSITE

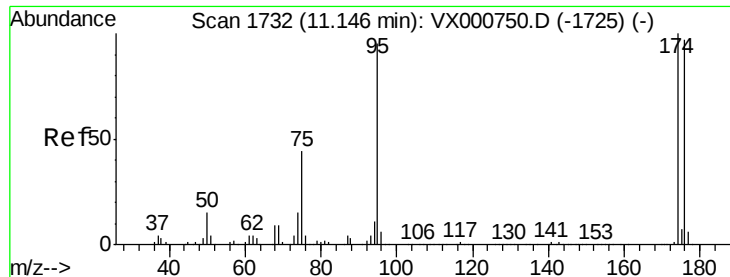
Tgt Ion: 98 Resp: 528652
Ion Ratio Lower Upper
98 100
100 64.1 52.6 79.0



#59
2-Hexanone
Concen: 8.99 ug/l
RT: 9.65 min Scan# 1486
Delta R.T. 0.14 min
Lab File: VX000907.D
Acq: 15 Apr 2018 19:34

Tgt Ion: 43 Resp: 28387
Ion Ratio Lower Upper
43 100
58 2.2 26.5 79.5#

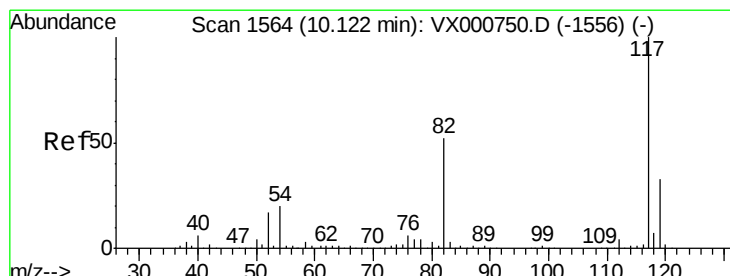
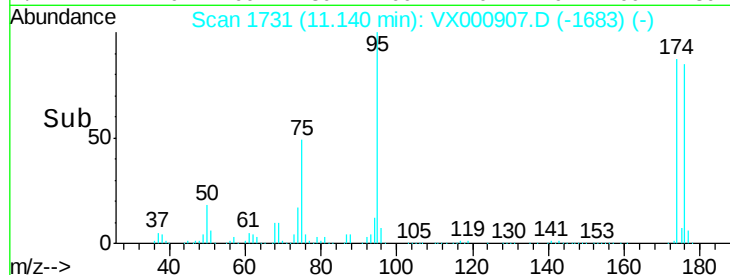
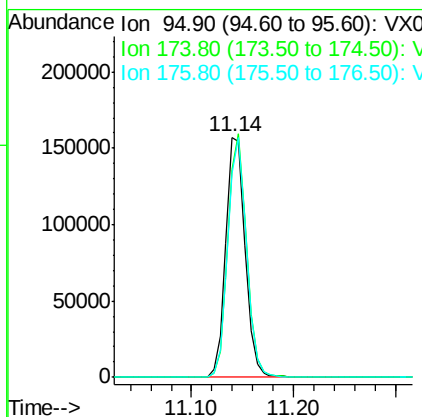
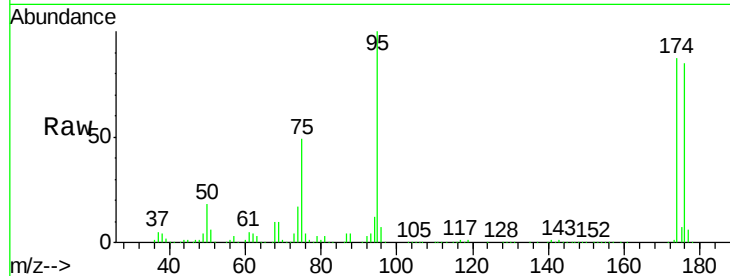




#62
4-Bromofluorobenzene
Concen: 46.19 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000907.D
Acq: 15 Apr 2018 19:34

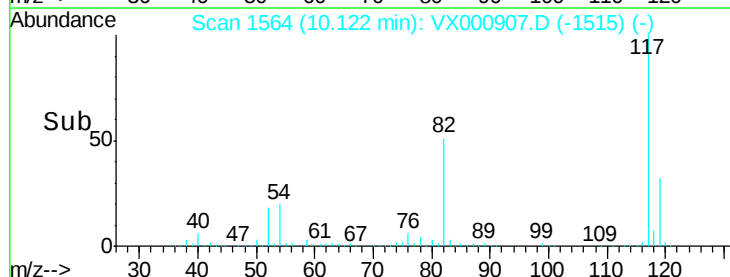
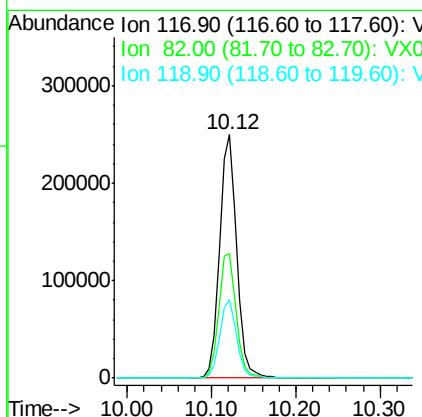
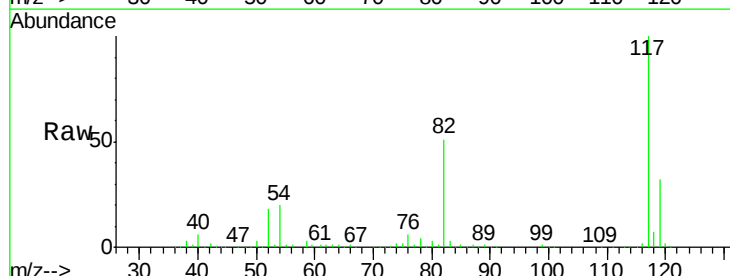
Instrument :
MSVOA_X
ClientSampleId :
DRUM-PW-COMPOSITE

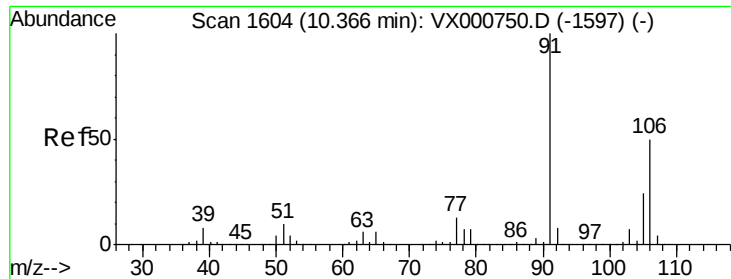
Tgt Ion: 95 Resp: 207199
Ion Ratio Lower Upper
95 100
174 96.8 0.0 198.4
176 95.5 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000907.D
Acq: 15 Apr 2018 19:34

Tgt Ion: 117 Resp: 352111
Ion Ratio Lower Upper
117 100
82 51.2 41.9 62.9
119 32.3 26.0 39.0

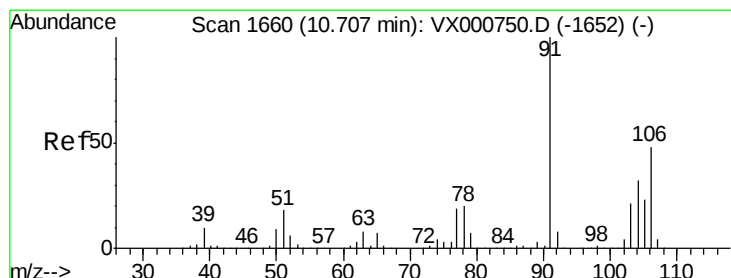
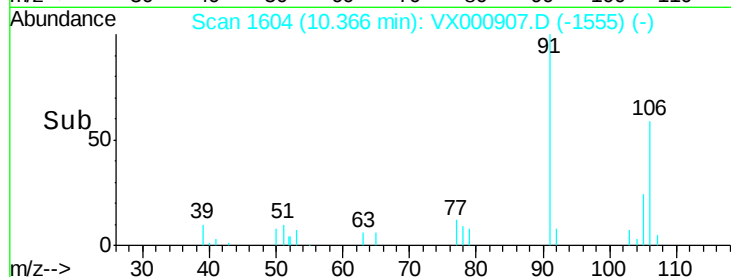
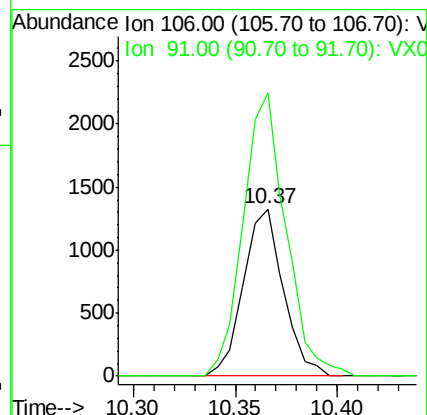
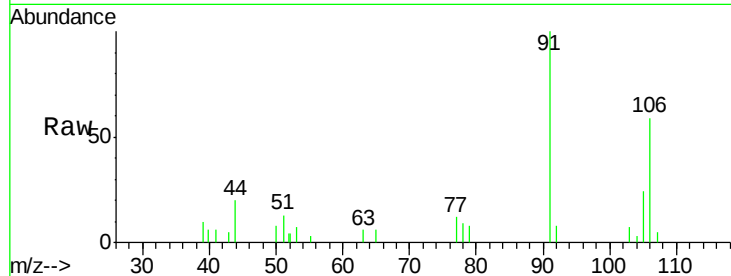




#68
m/p-Xylenes
Concen: 0.31 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000907.D
Acq: 15 Apr 2018 19:34

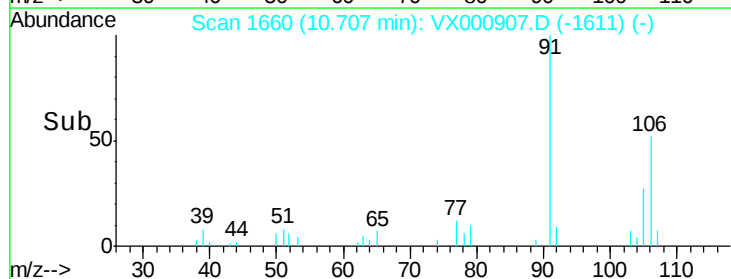
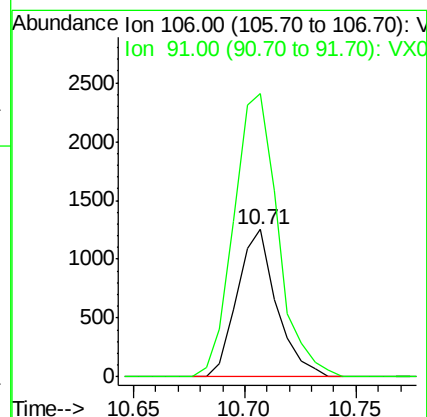
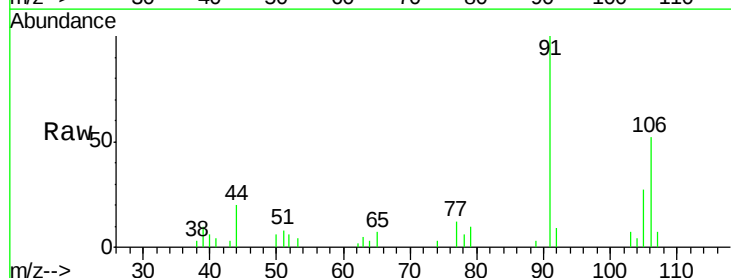
Instrument :
MSVOA_X
ClientSampleId :
DRUM-PW-COMPOSITE

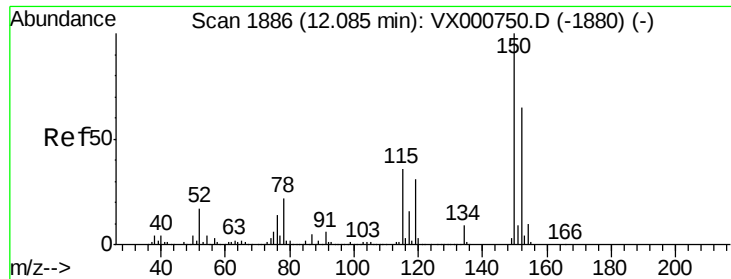
Tgt Ion:106 Resp: 1807
Ion Ratio Lower Upper
106 100
91 180.2 159.3 238.9



#69
o-Xylene
Concen: 0.27 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000907.D
Acq: 15 Apr 2018 19:34

Tgt Ion:106 Resp: 1544
Ion Ratio Lower Upper
106 100
91 215.9 105.0 315.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000907.D

Acq: 15 Apr 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

DRUM-PW-COMPOSITE

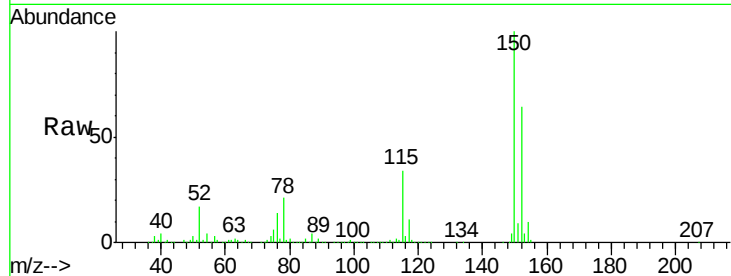
Tgt Ion:152 Resp: 234567

Ion Ratio Lower Upper

152 100

115 53.7 37.9 113.7

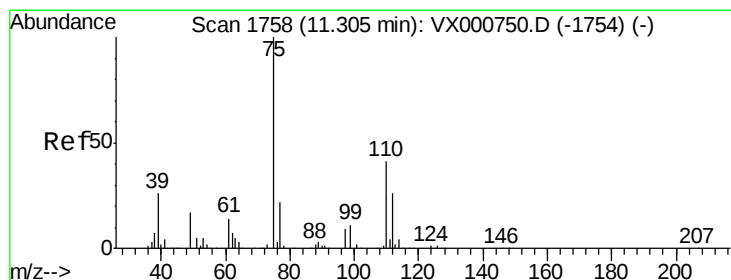
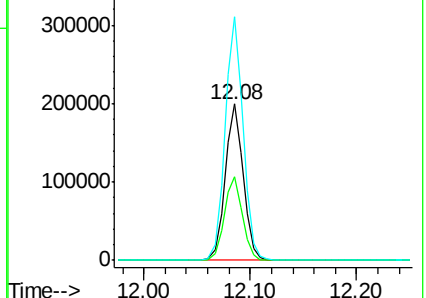
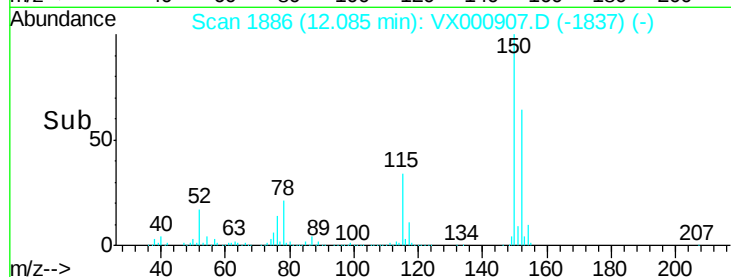
150 155.8 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000907.D

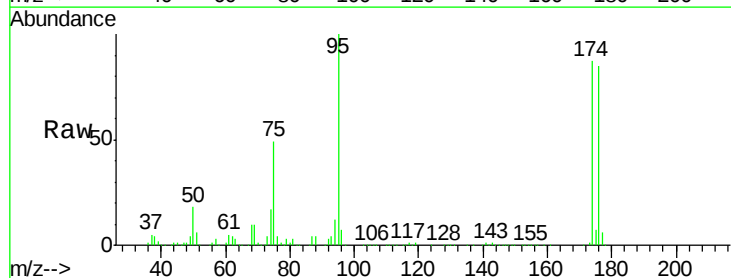
Acq: 15 Apr 2018 19:34

Tgt Ion: 75 Resp: 100196

Ion Ratio Lower Upper

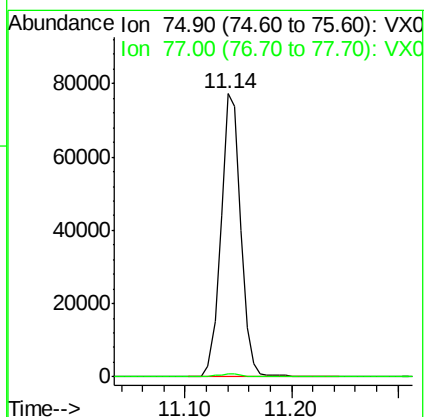
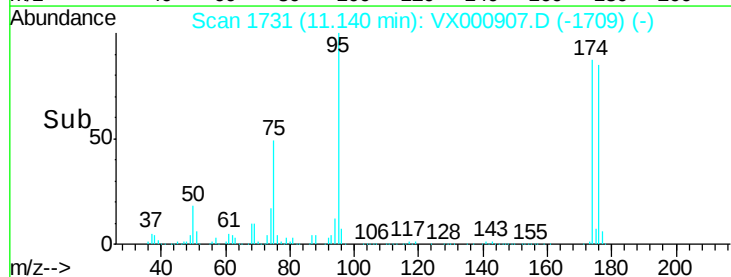
75 100

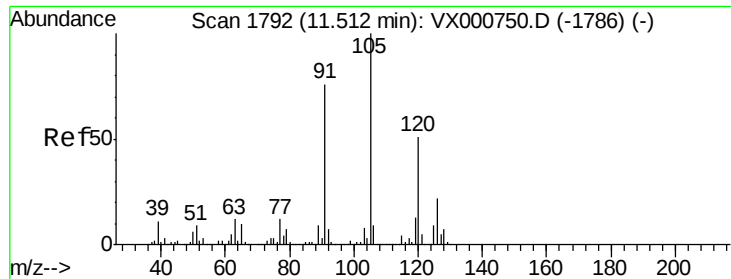
77 1.2 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

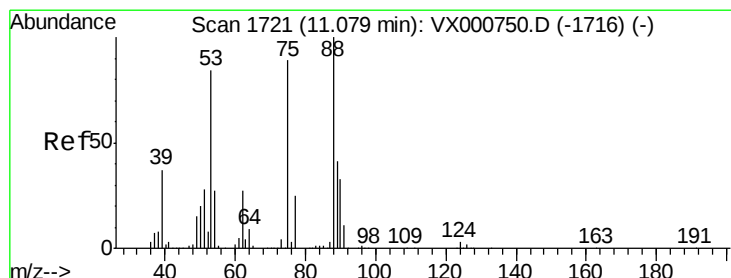
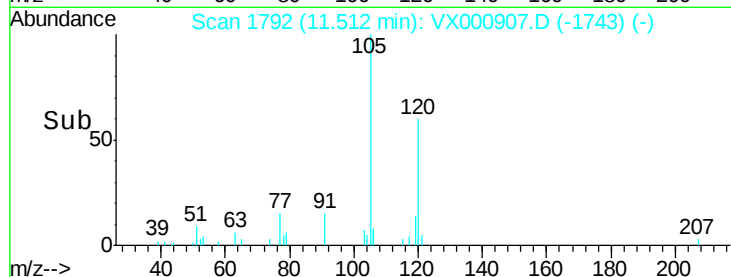
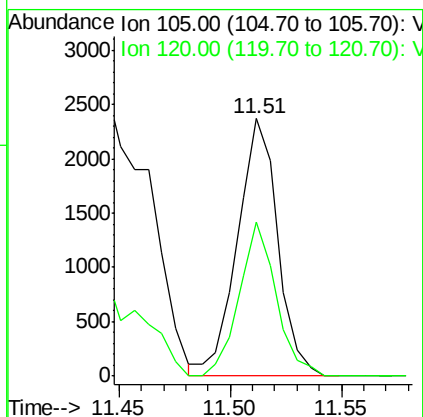
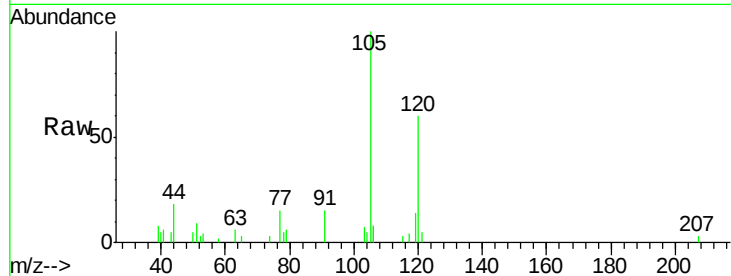




#80
 1,3,5-Trimethylbenzene
 Concen: 0.23 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000907.D
 Acq: 15 Apr 2018 19:34

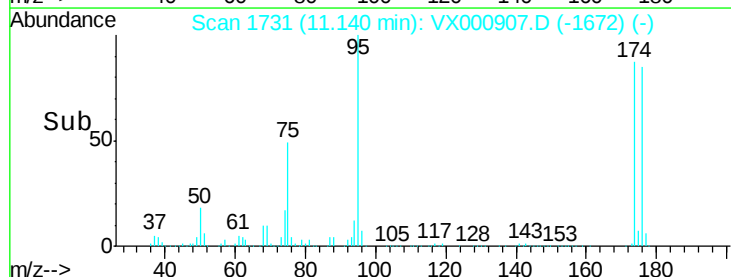
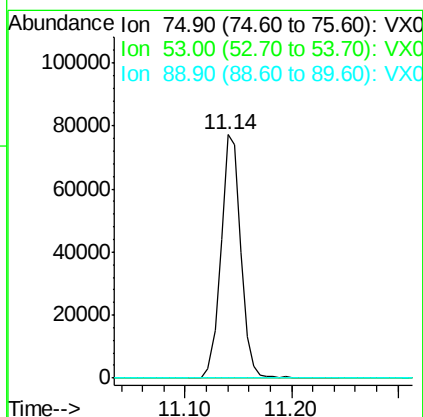
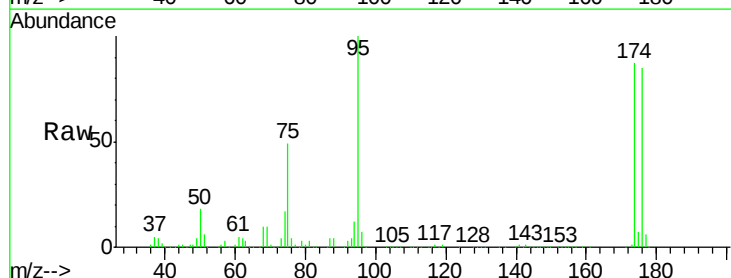
Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-PW-COMPOSITE

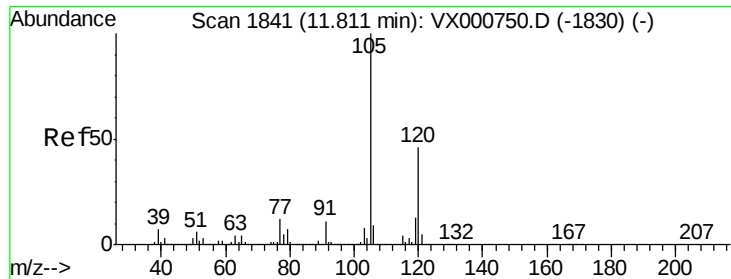
Tgt Ion: 105 Resp: 2991
 Ion Ratio Lower Upper
 105 100
 120 54.9 25.0 75.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.13 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000907.D
 Acq: 15 Apr 2018 19:34

Tgt Ion: 75 Resp: 100196
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

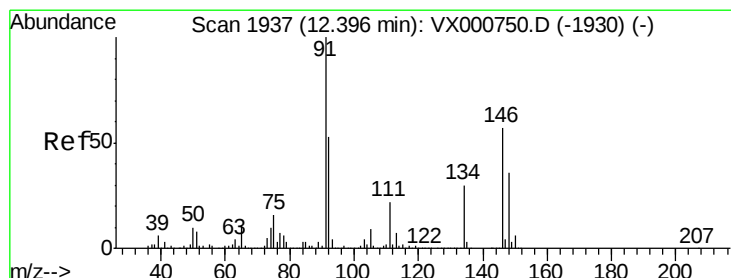
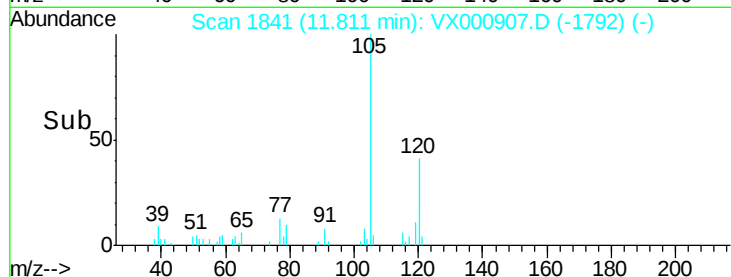
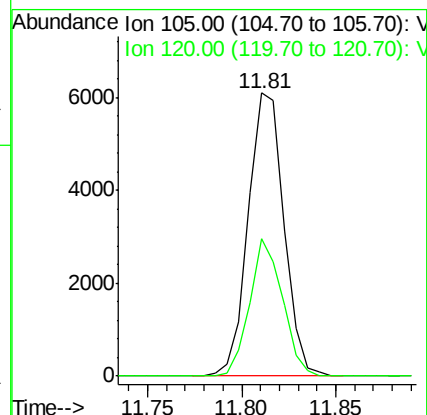
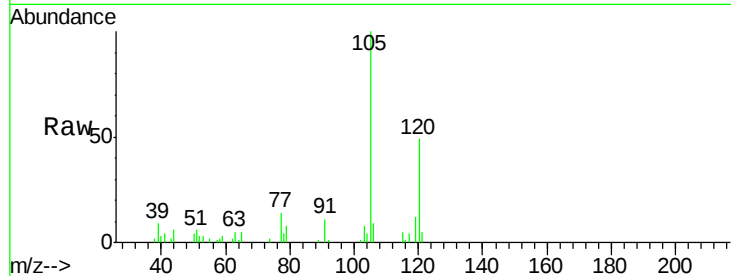




#84
 1,2,4-Trimethylbenzene
 Concen: 0.61 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX000907.D
 Acq: 15 Apr 2018 19:34

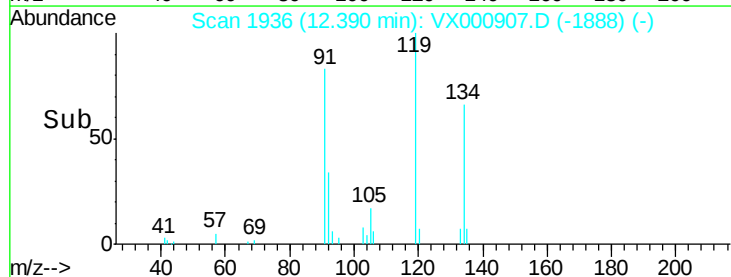
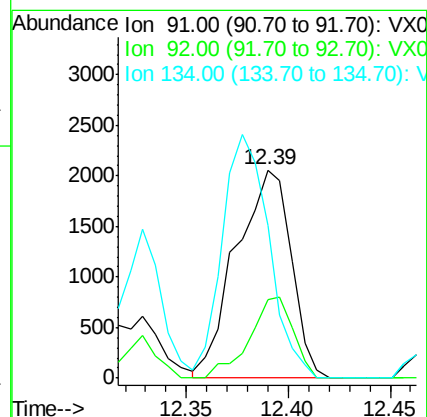
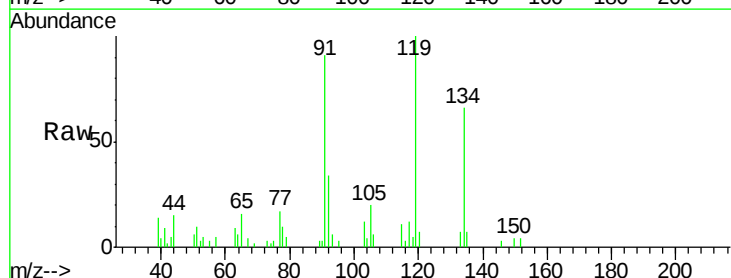
Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-PW-COMPOSITE

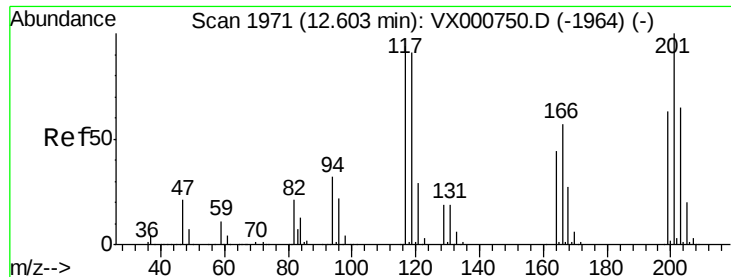
Tgt Ion: 105 Resp: 8011
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.1 69.3



#89
 n-Butylbenzene
 Concen: 0.30 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VX000907.D
 Acq: 15 Apr 2018 19:34

Tgt Ion: 91 Resp: 3862
 Ion Ratio Lower Upper
 91 100
 92 30.9 26.5 79.5
 134 99.0 14.5 43.5#

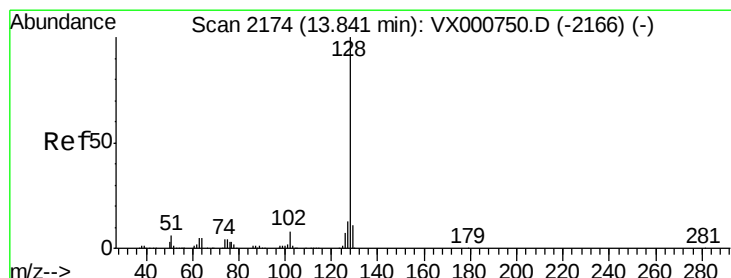
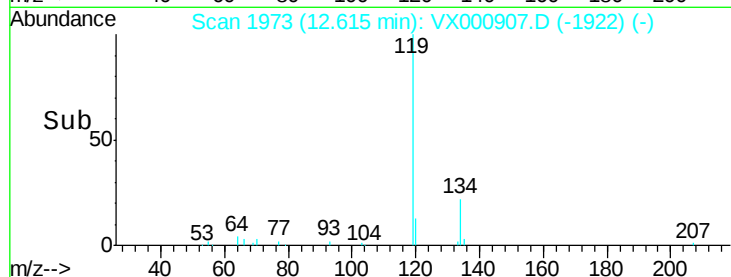
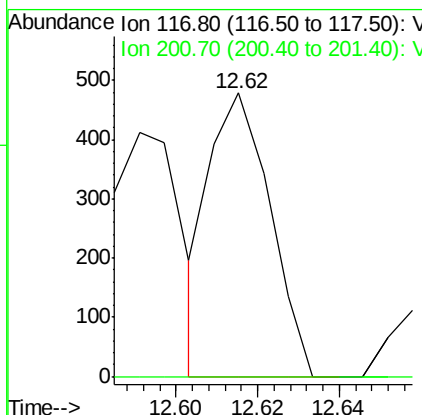
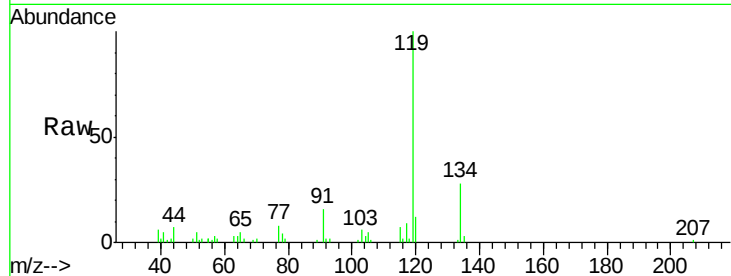




#90
 Hexachloroethane
 Concen: 0.20 ug/l
 RT: 12.62 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VX000907.D
 Acq: 15 Apr 2018 19:34

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-PW-COMPOSITE

Tgt Ion: 117 Resp: 493
 Ion Ratio Lower Upper
 117 100
 201 0.0 52.9 158.7#



#95
 Naphthalene
 Concen: 0.53 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000907.D
 Acq: 15 Apr 2018 19:34

Tgt Ion: 128 Resp: 9106
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.4 15.6
 129 12.6 8.7 13.1

