

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000303.D
 Acq On : 13 Mar 2018 16:38
 Operator : JC/MD
 Sample : J1898-14 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-12-COMP

Quant Time: Mar 14 00:58:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	113606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	196760	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	186479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	98799	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	82427	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
35) Dibromofluoromethane	5.52	113	62103	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	8.73	98	232981	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
62) 4-Bromofluorobenzene	11.15	95	85679	42.88	ug/l	0.00
Spiked Amount			Recovery	=	85.76%	

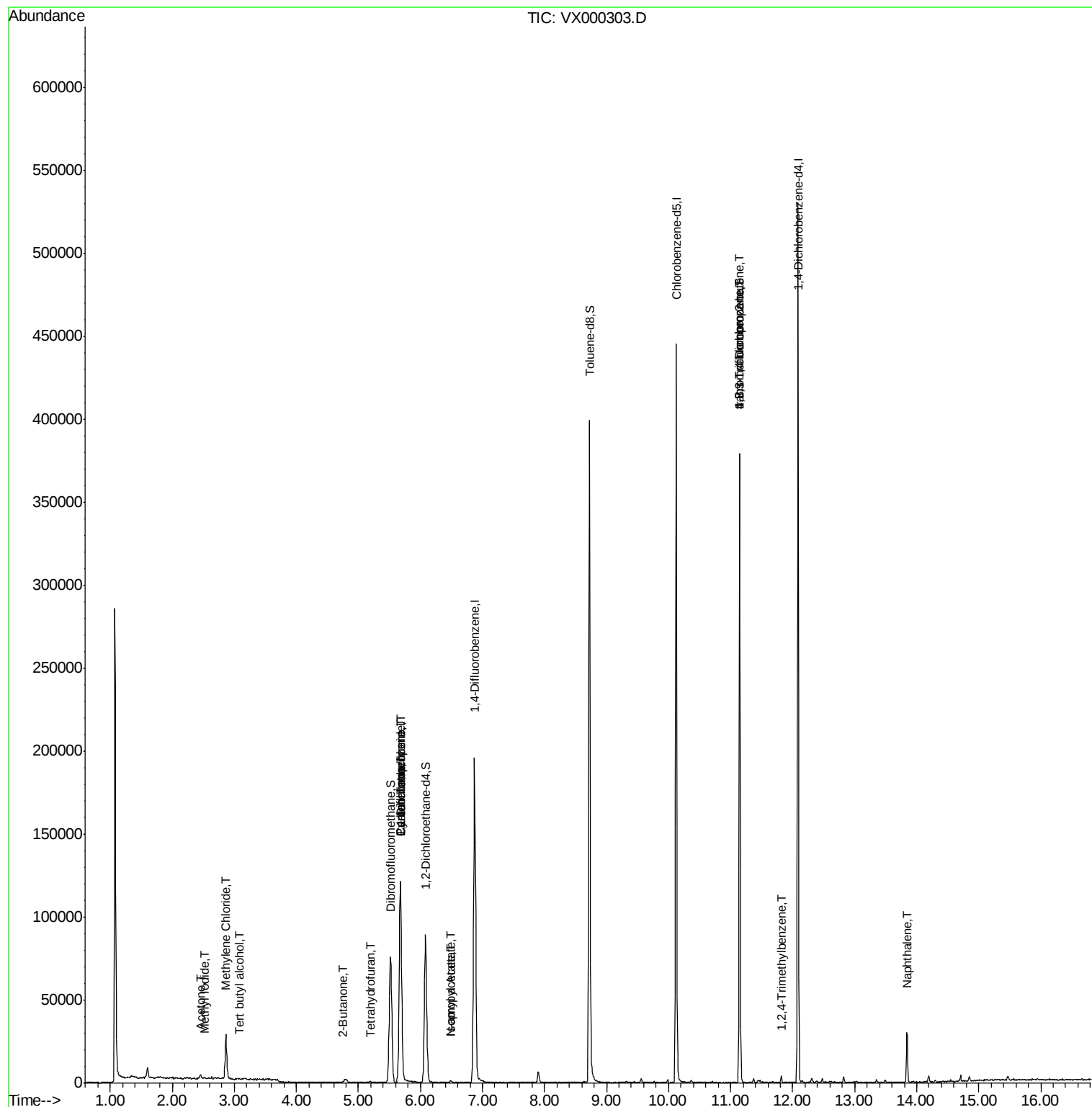
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	194	Below Cal		85
6) Chloroethane	1.73	64	175	Below Cal		95
10) Methyl Iodide	2.52	142	108	3.22	ug/l #	81
11) Tert butyl alcohol	3.08	59	293	0.51	ug/l #	91
16) Acetone	2.46	43	3076	2.72	ug/l	97
20) Methylene Chloride	2.87	84	10902	8.08	ug/l	88
25) 2-Butanone	4.75	43	429	0.31	ug/l #	50
29) Tetrahydrofuran	5.20	42	393	0.45	ug/l #	31
31) Cyclohexane	5.68	56	2833	1.64	ug/l #	20
36) 1,1-Dichloropropene	5.68	75	9233	5.27	ug/l #	48
38) Carbon Tetrachloride	5.67	117	11548	6.52	ug/l #	17
43) Isopropyl Acetate	6.48	43	1419	0.39	ug/l #	86
74) N-amyl acetate	6.48	43	1419	0.45	ug/l #	59
76) 1,2,3-Trichloropropane	11.15	75	49634	25.06	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.15	75	49634	76.74	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	1971	0.37	ug/l	97
95) Naphthalene	13.84	128	17921	2.35	ug/l	99

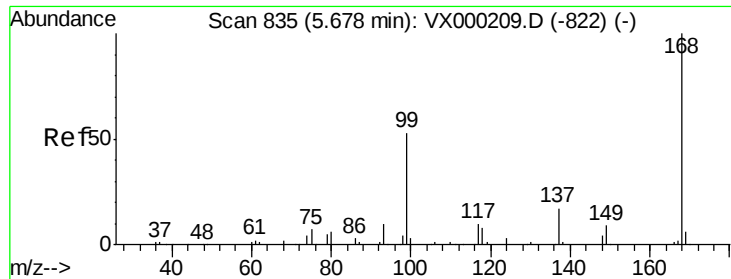
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 836

Delta R.T. 0.01 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

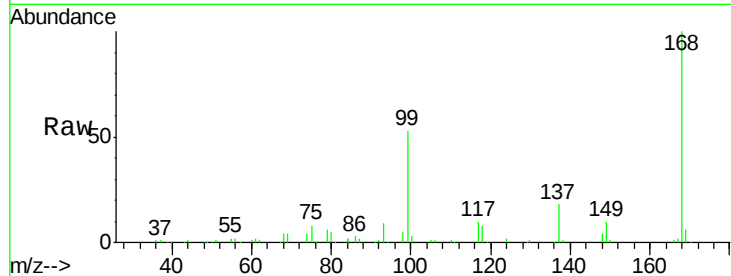
TP-12-COMP

Tot Ion:168 Resp: 113606

Ion Ratio Lower Upper

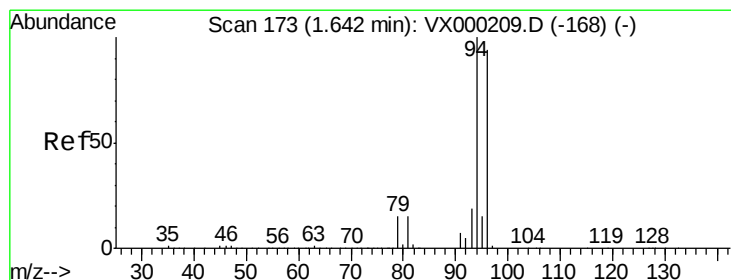
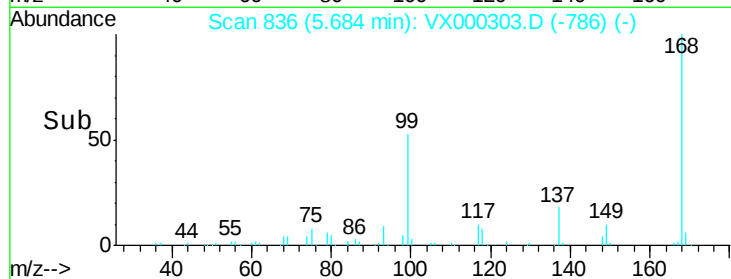
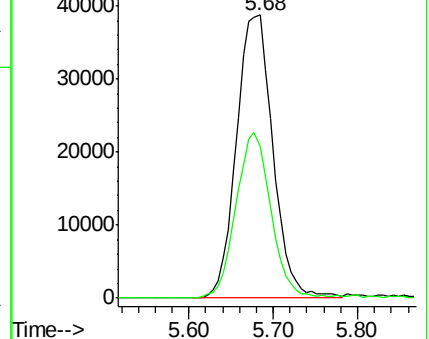
168 100

99 53.5 42.8 64.2



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: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000303.D

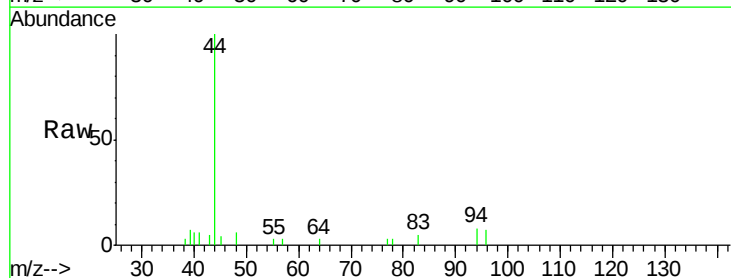
Acq: 13 Mar 2018 16:38

Tgt Ion: 94 Resp: 194

Ion Ratio Lower Upper

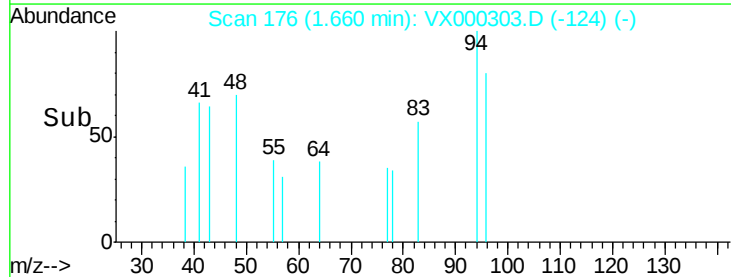
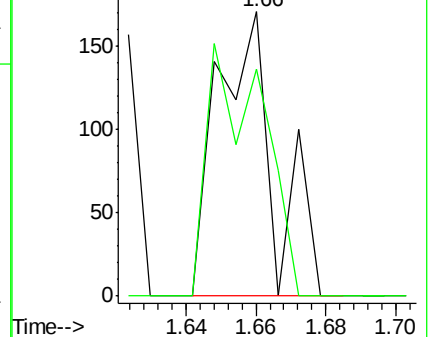
94 100

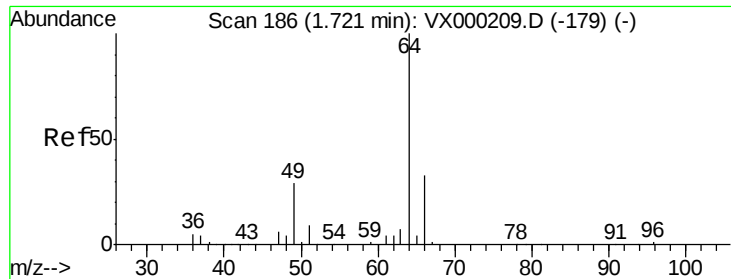
96 79.5 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

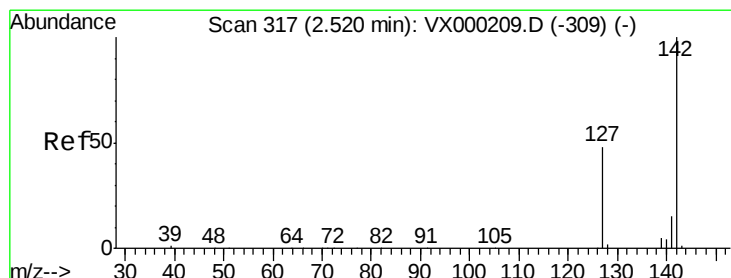
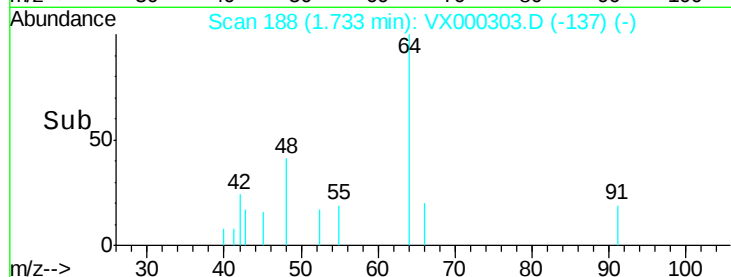
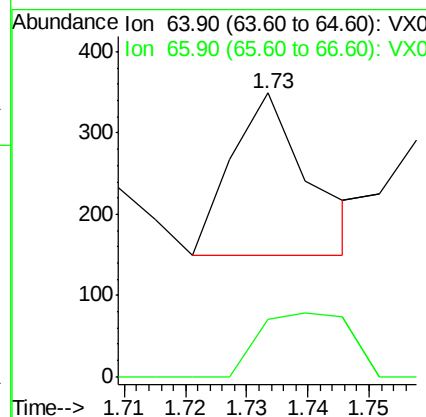
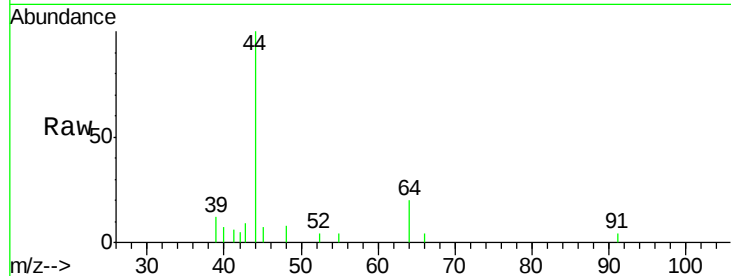




#6
Chloroethane
Concen: Below Cal
RT: 1.73 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

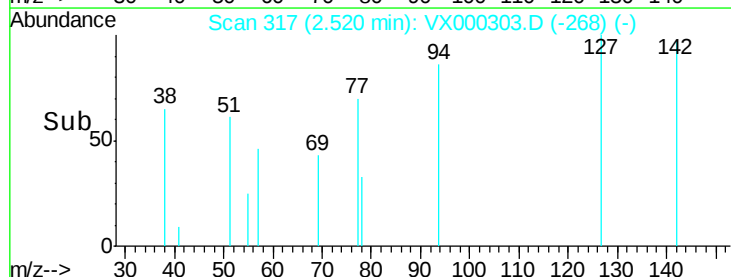
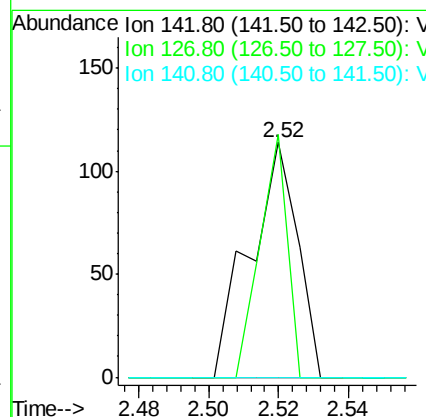
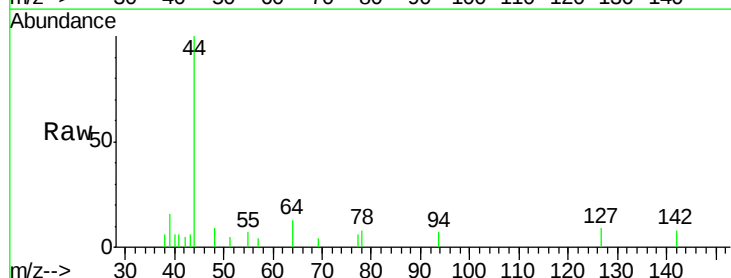
Instrument :
MSVOA_X
ClientSampleId :
TP-12-COMP

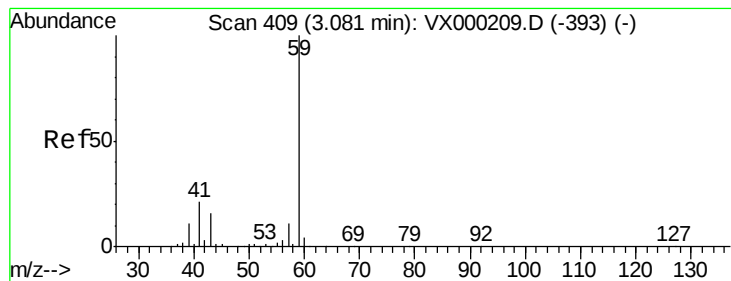
Tot Ion: 64 Resp: 175
Ion Ratio Lower Upper
64 100
66 35.5 26.2 39.4



#10
Methyl Iodide
Concen: 3.22 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

Tgt Ion: 142 Resp: 108
Ion Ratio Lower Upper
142 100
127 58.3 39.0 58.6
141 0.0 11.6 17.4#



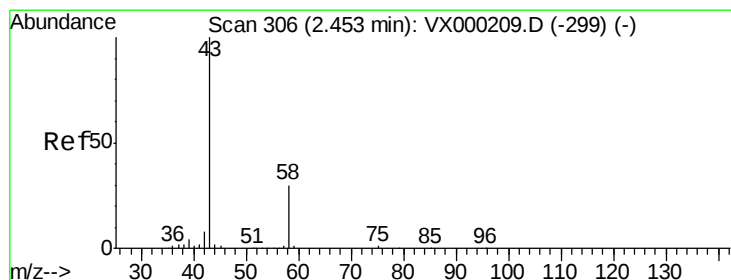
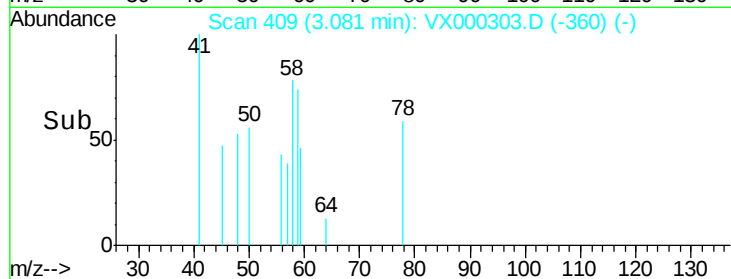
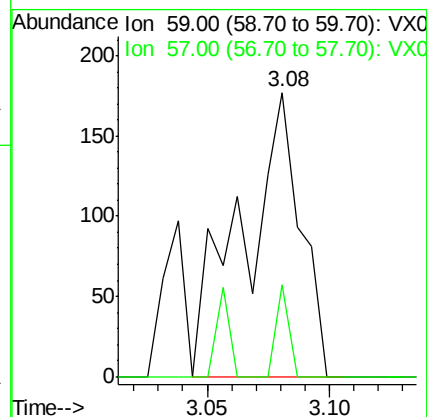
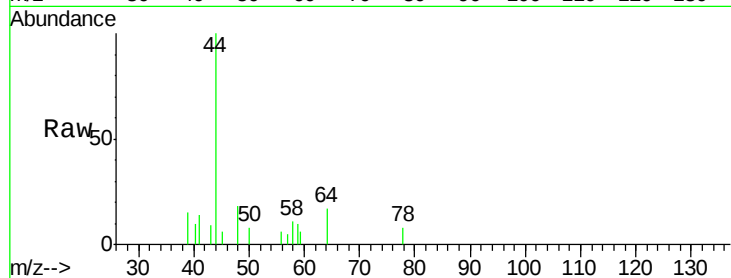


#11

Tert butvl alcohol
Concen: 0.51 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
TP-12-COMP

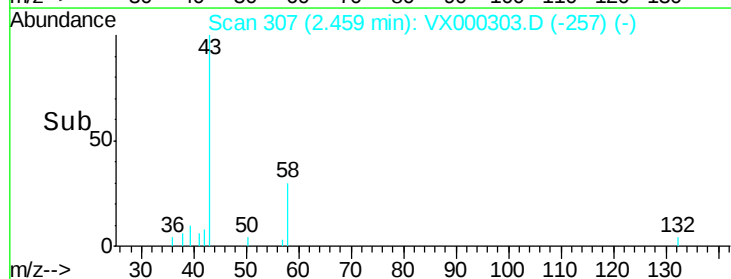
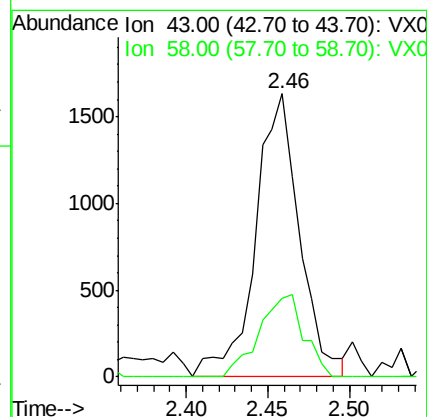
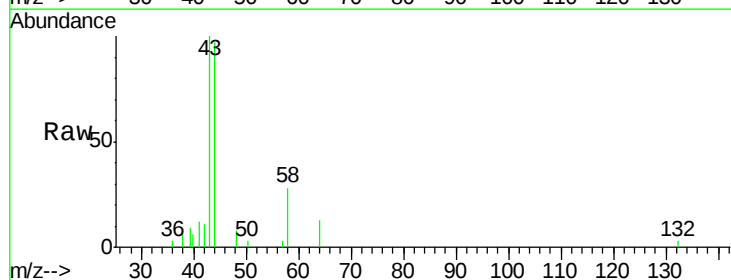
Tot Ion: 59 Resp: 293
Ion Ratio Lower Upper
59 100
57 7.2 8.4 12.6#

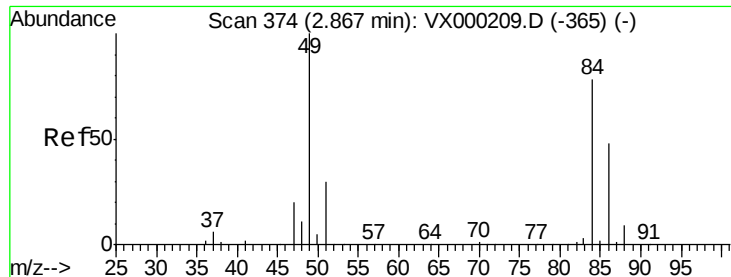


#16

Acetone
Concen: 2.72 ug/l
RT: 2.46 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

Tgt Ion: 43 Resp: 3076
Ion Ratio Lower Upper
43 100
58 27.8 23.8 35.6

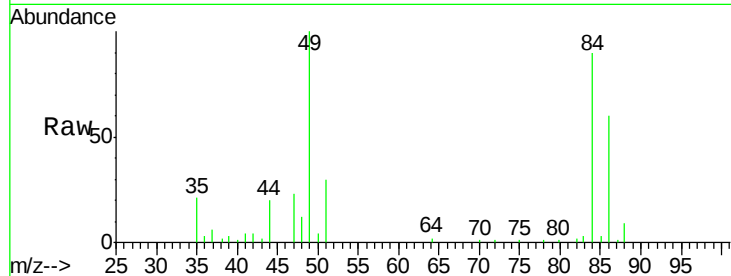




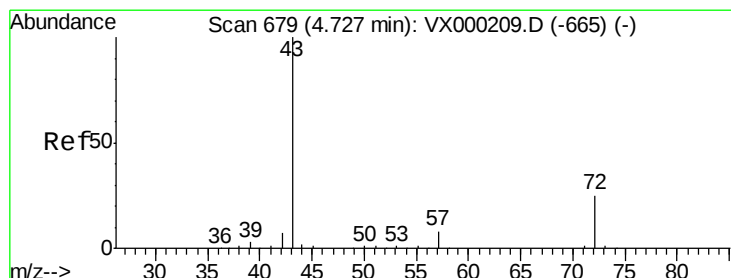
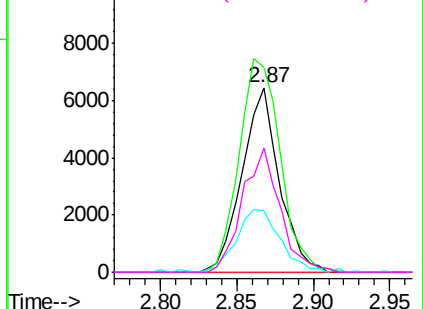
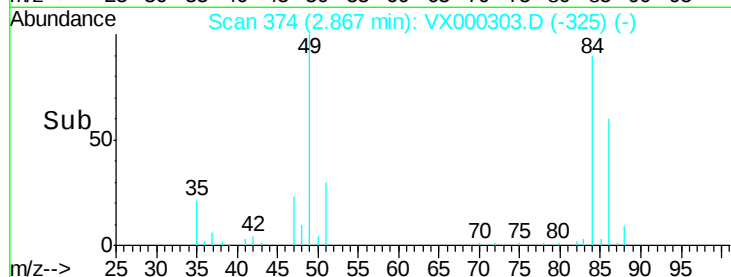
#20
Methvlene Chloride
Concen: 8.08 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
TP-12-COMP

Tot Ion: 84 Resp: 10902
Ion Ratio Lower Upper
84 100
49 111.0 102.1 153.1
51 32.2 30.6 45.8
86 66.9 49.0 73.6

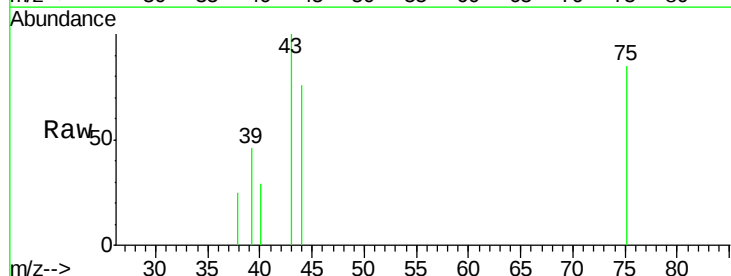


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

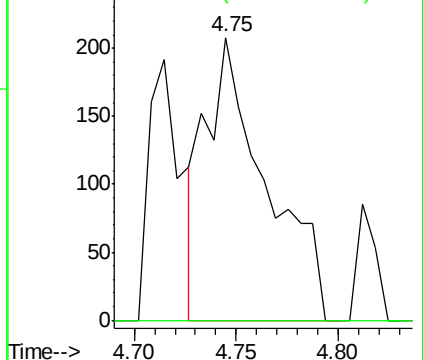
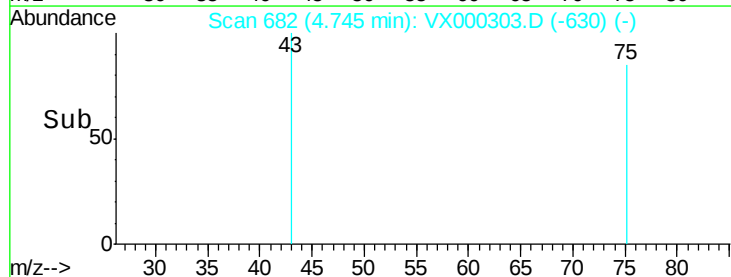


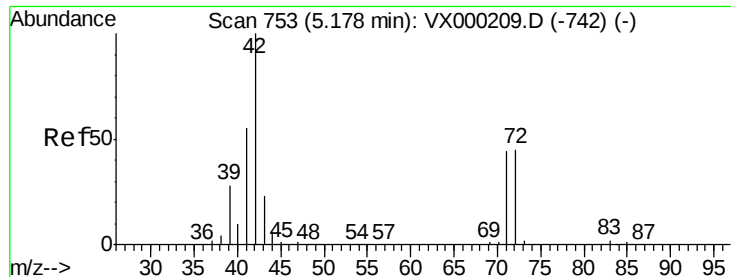
#25
2-Butanone
Concen: 0.31 ug/l
RT: 4.75 min Scan# 682
Delta R.T. 0.02 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

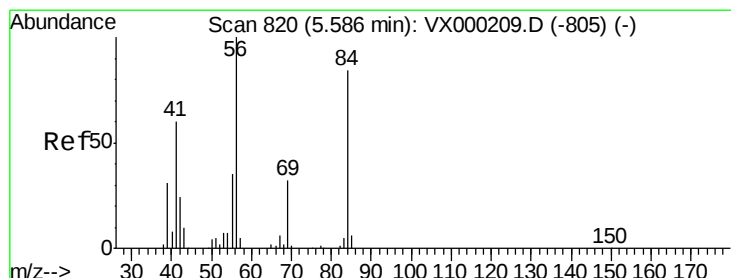
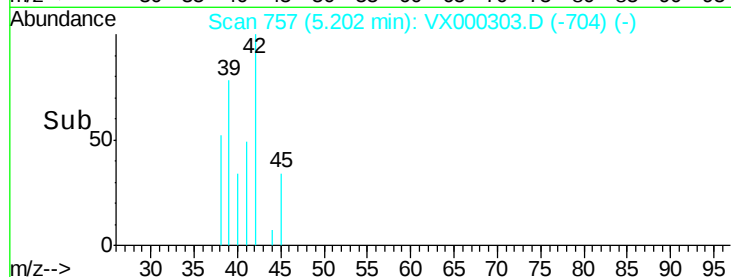
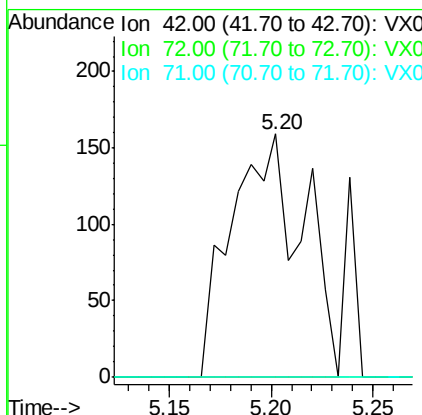
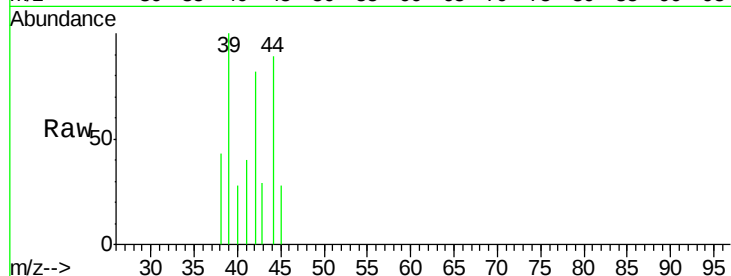




#29
Tetrahydrofuran
Concen: 0.45 ug/l
RT: 5.20 min Scan# 757
Delta R.T. 0.02 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

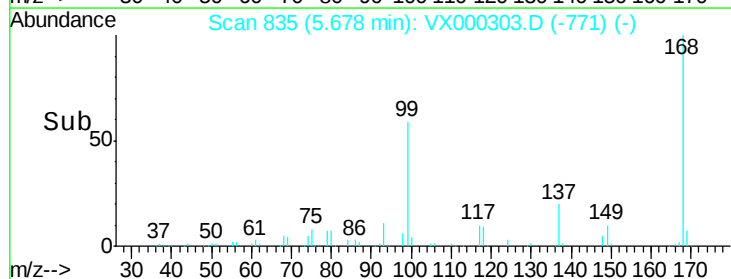
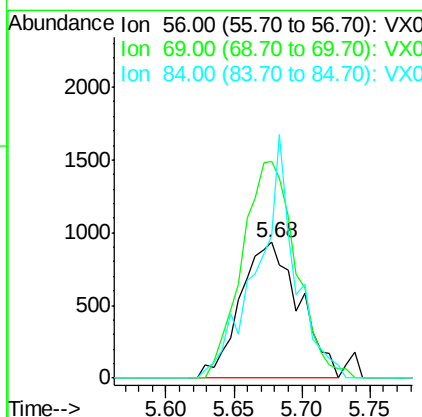
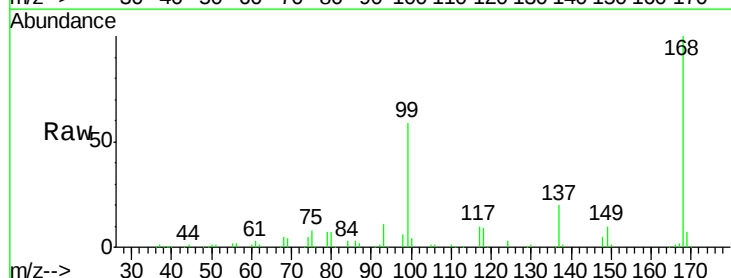
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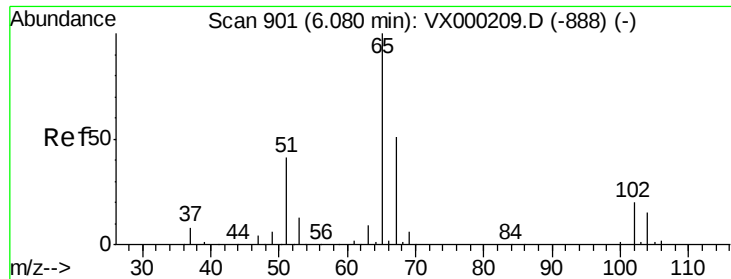
Tot Ion: 42 Resp: 393
Ion Ratio Lower Upper
42 100
72 0.0 37.3 55.9#
71 0.0 35.0 52.4#



#31
Cyclohexane
Concen: 1.64 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

Tgt Ion: 56 Resp: 2833
Ion Ratio Lower Upper
56 100
69 159.2 25.3 37.9#
84 104.9 67.2 100.8#

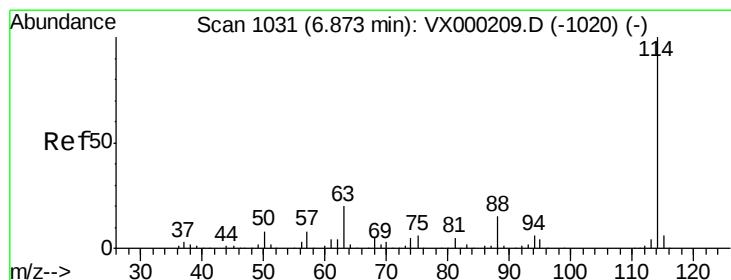
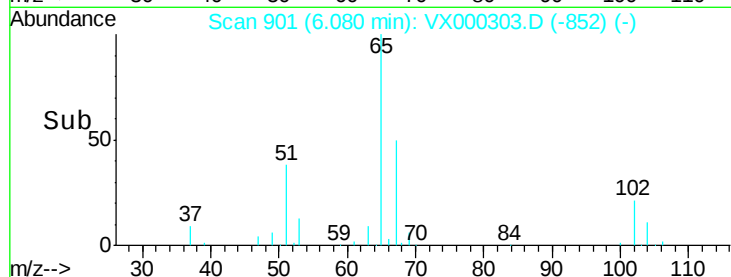
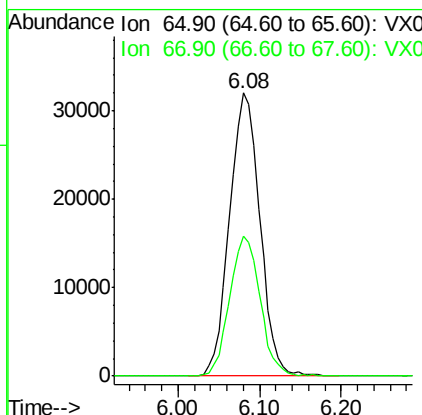
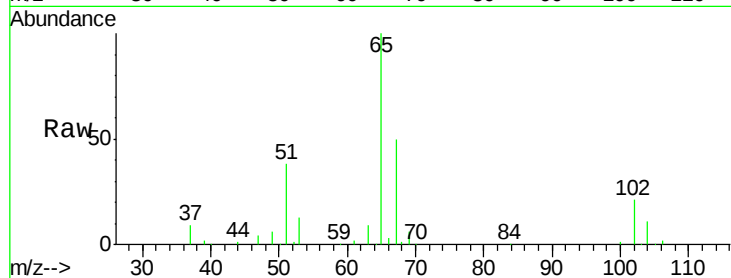




#33
 1,2-Dichloroethane-d4
 Concen: 52.34 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000303.D
 Acq: 13 Mar 2018 16:38

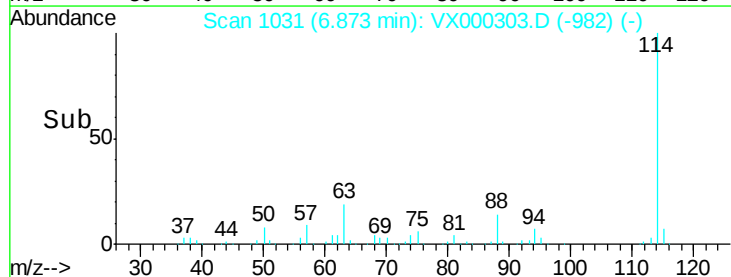
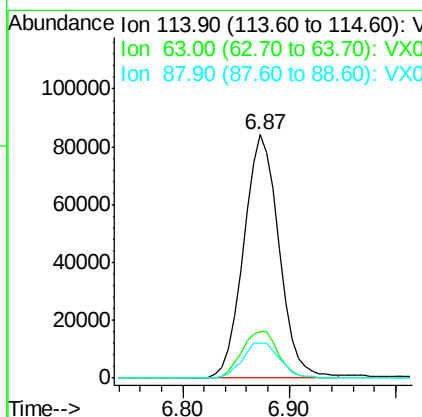
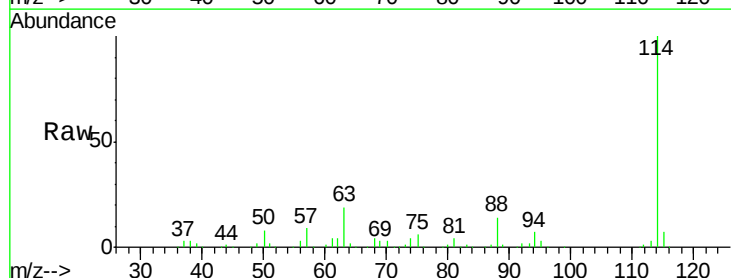
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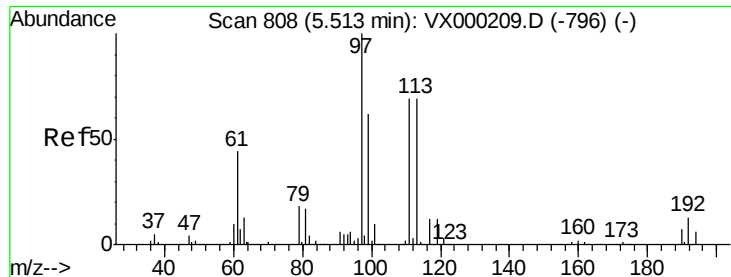
Tot Ion: 65 Resp: 82427
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000303.D
 Acq: 13 Mar 2018 16:38

Tgt Ion: 114 Resp: 196760
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 14.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.25 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

TP-12-COMP

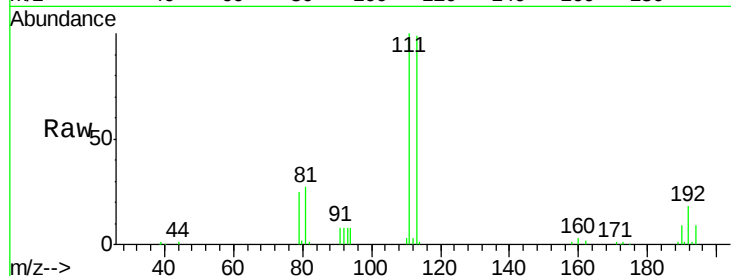
Tot Ion:113 Resp: 62103

Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.6

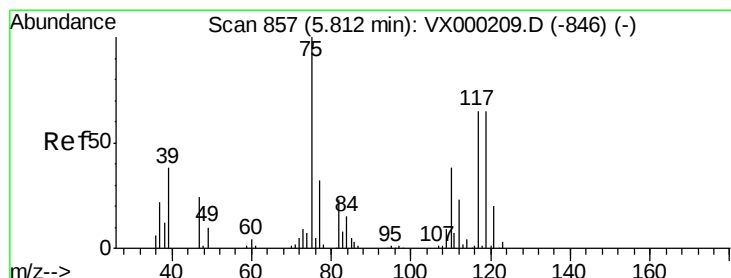
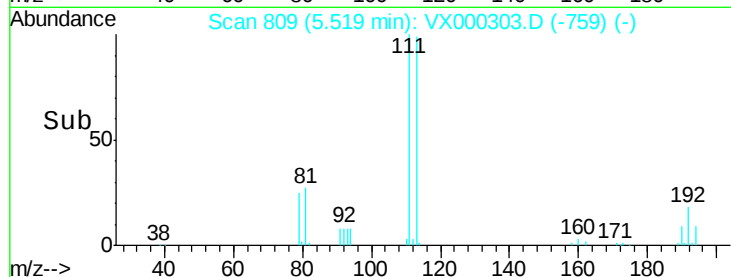
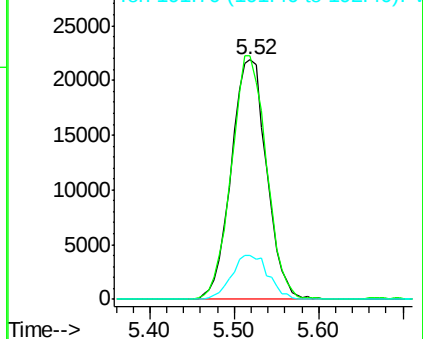
192 19.3 15.5 23.3



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: 5.27 ug/l

RT: 5.68 min Scan# 836

Delta R.T. -0.13 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

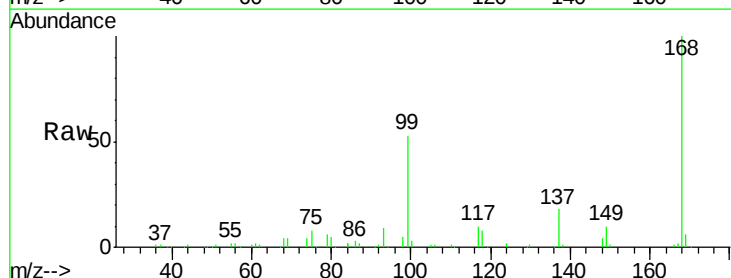
Tgt Ion: 75 Resp: 9233

Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.5#

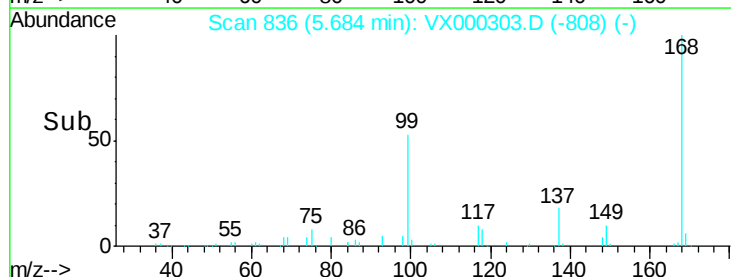
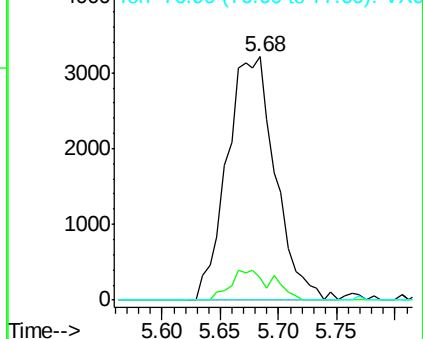
77 0.0 24.9 37.3#

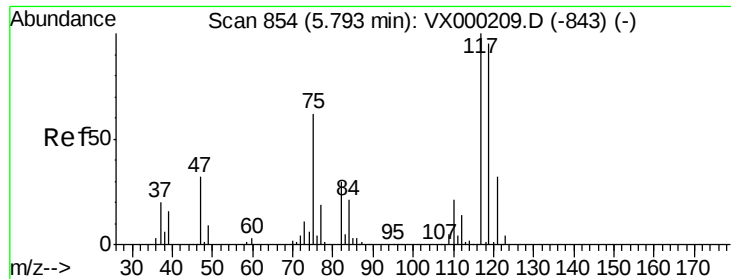


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.52 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Instrument :

MSVOA_X

ClientSampled :

TP-12-COMP

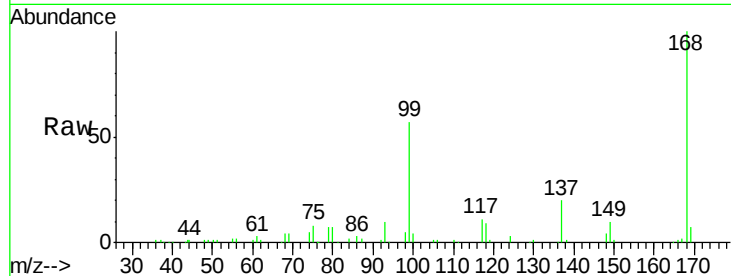
Tot Ion:117 Resp: 11548

Ion Ratio Lower Upper

117 100

119 5.6 75.9 113.9#

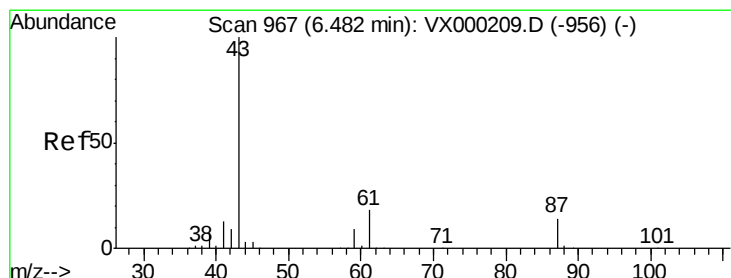
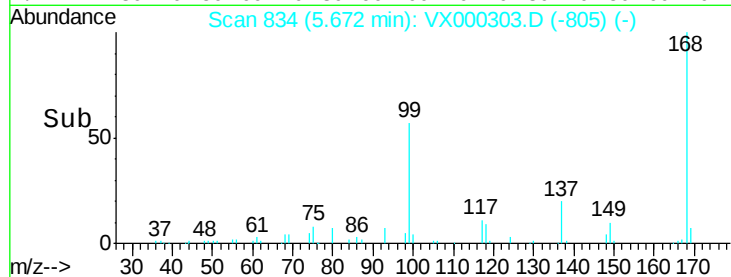
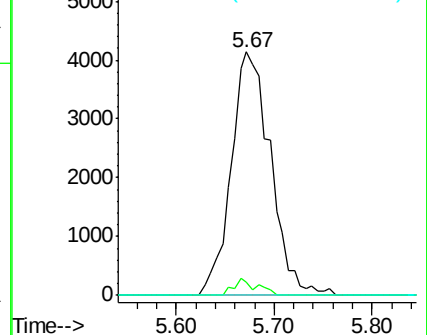
121 0.0 25.8 38.6#



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



#43

Isopropyl Acetate

Concen: 0.39 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

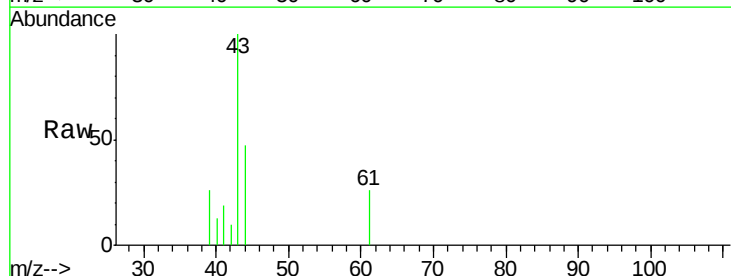
Tgt Ion: 43 Resp: 1419

Ion Ratio Lower Upper

43 100

61 17.3 14.8 22.2

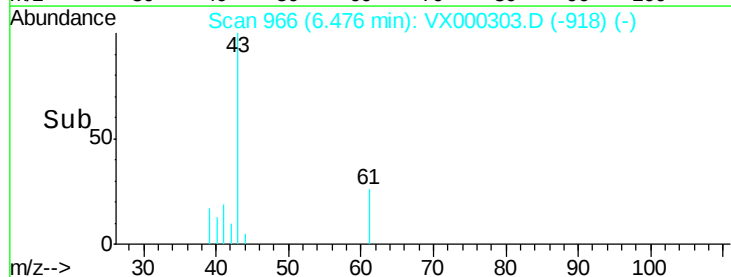
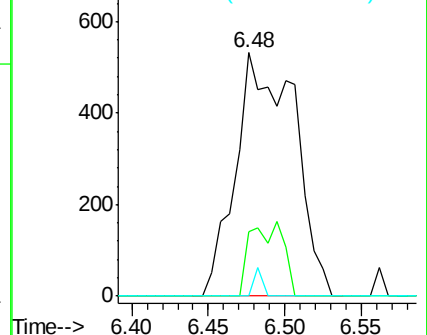
87 1.6 10.6 16.0#

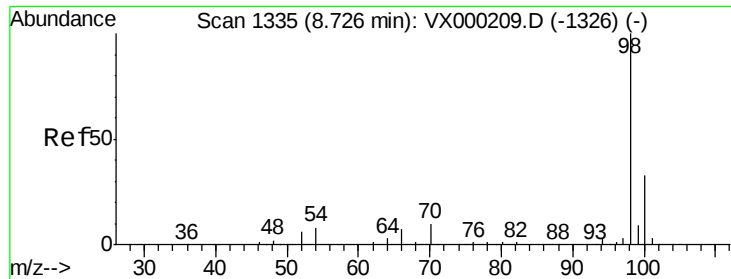


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

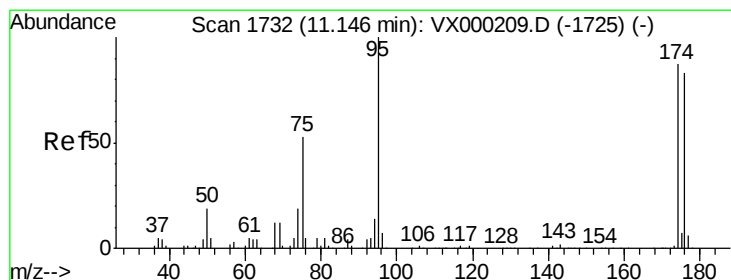
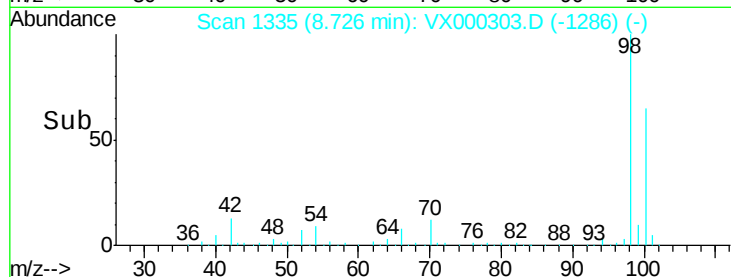
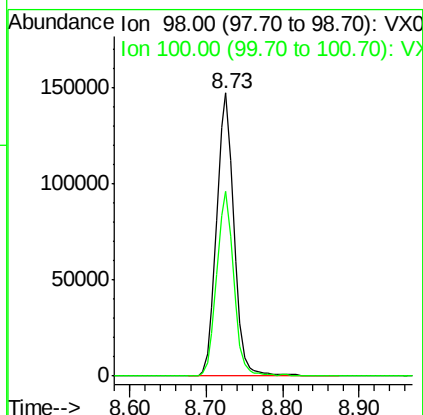
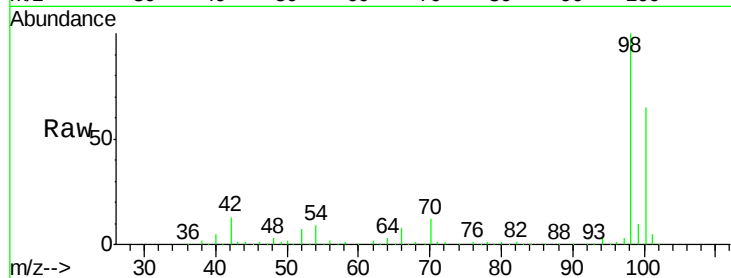




#50
Toluene-d8
Concen: 45.51 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

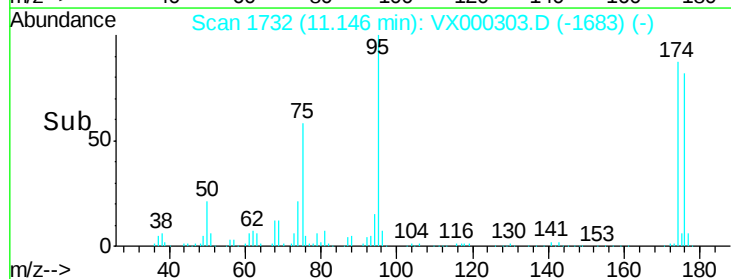
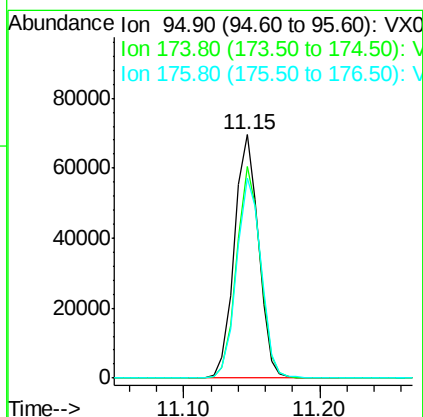
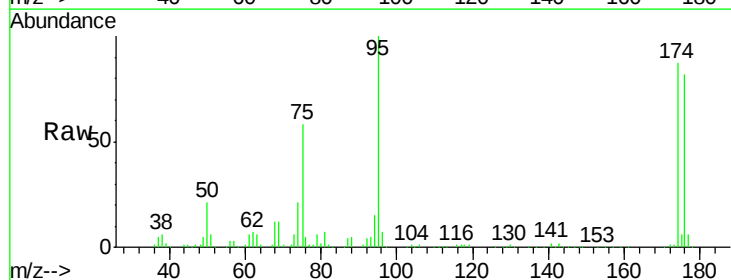
Instrument :
MSVOA_X
ClientSampleId :
TP-12-COMP

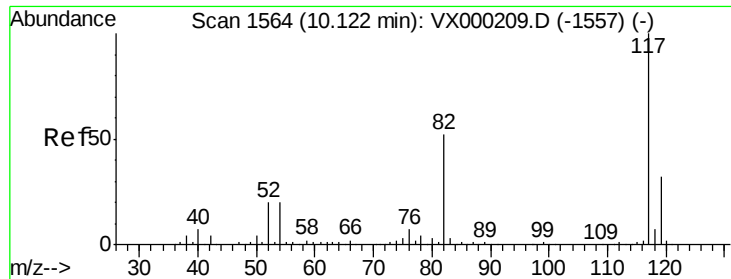
Tot Ion: 98 Resp: 232981
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 42.88 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

Tgt Ion: 95 Resp: 85679
Ion Ratio Lower Upper
95 100
174 85.9 0.0 175.6
176 83.7 0.0 171.0

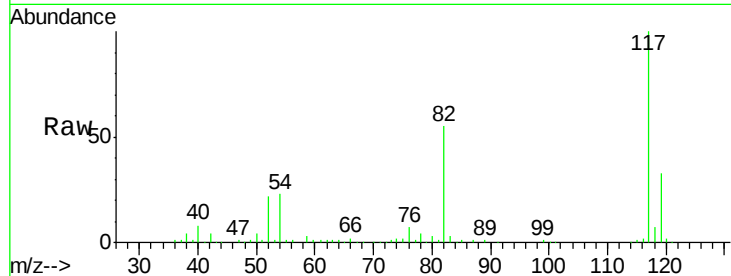




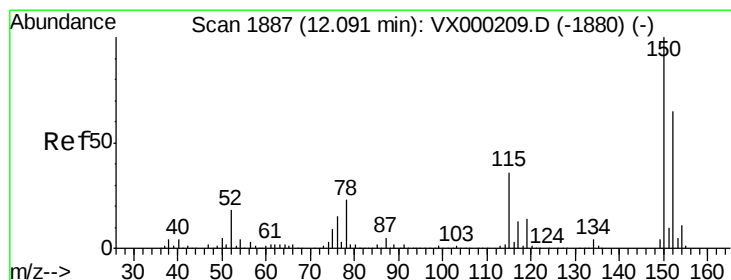
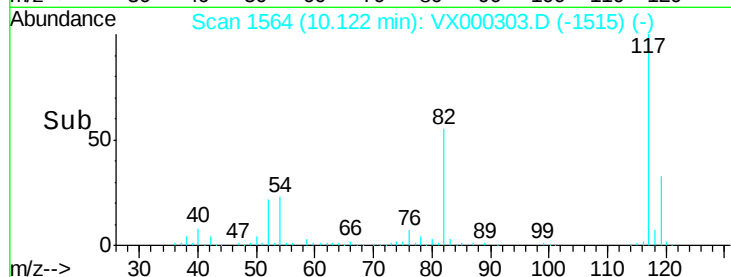
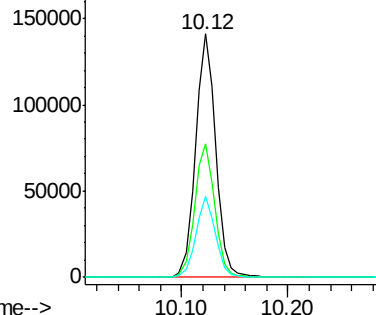
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
TP-12-COMP

Tot Ion:117 Resp: 186479
Ion Ratio Lower Upper
117 100
82 54.9 42.0 63.0
119 33.1 25.3 37.9

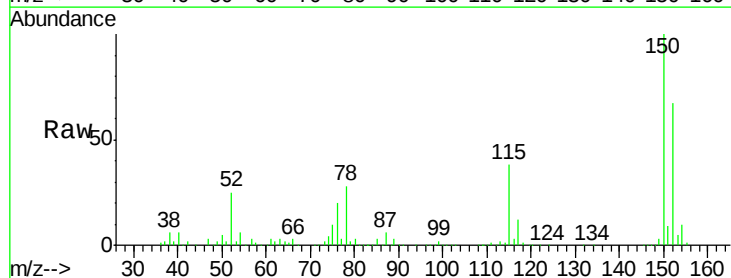


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

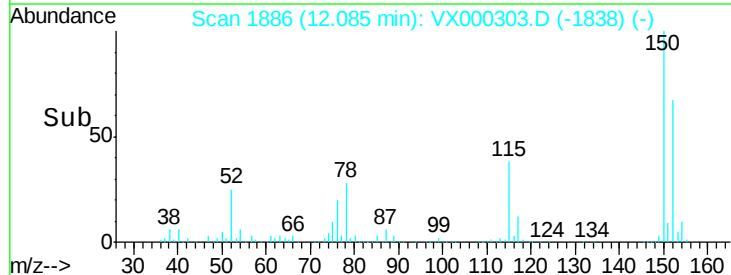
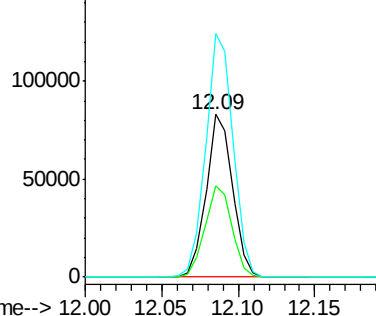


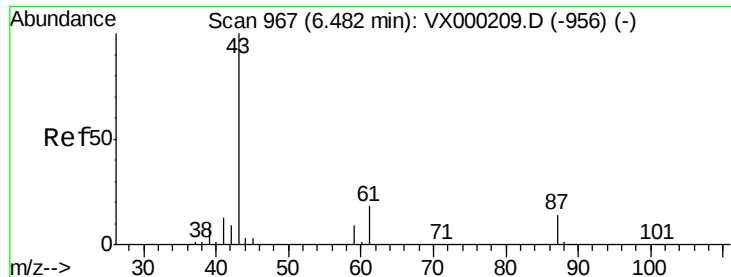
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

Tgt Ion:152 Resp: 98799
Ion Ratio Lower Upper
152 100
115 57.6 39.8 119.3
150 154.9 0.0 345.0



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





#74

N-amvl acetate

Concen: 0.45 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

TP-12-COMP

Tot Ion: 43 Resp: 1419

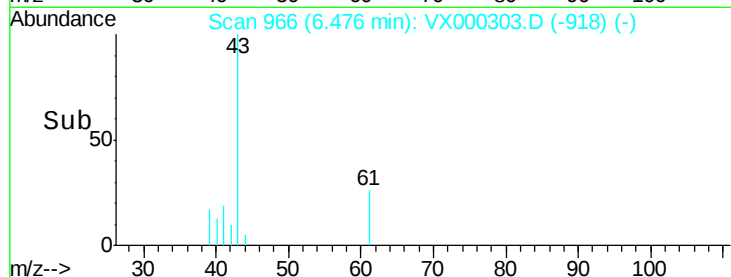
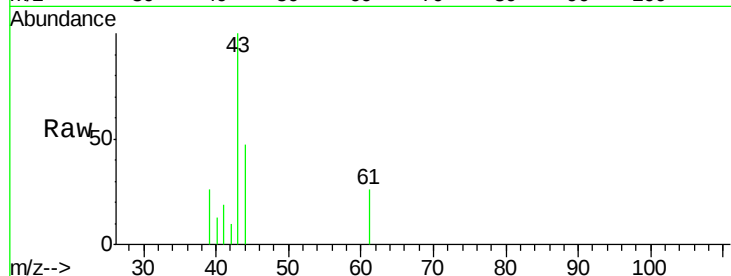
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.8 22.2#

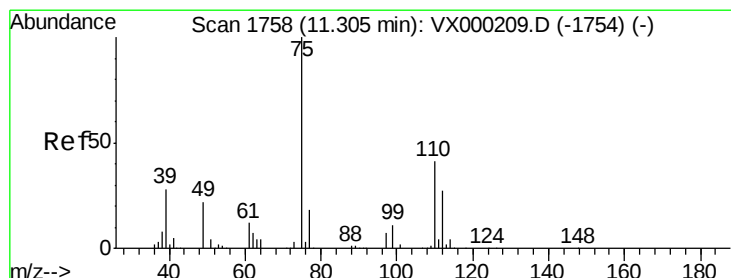
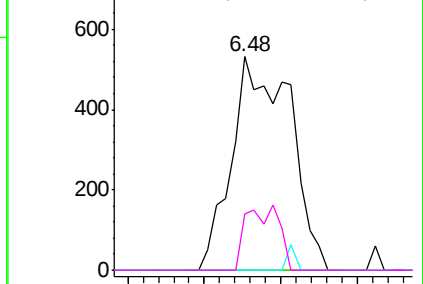


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.06 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000303.D

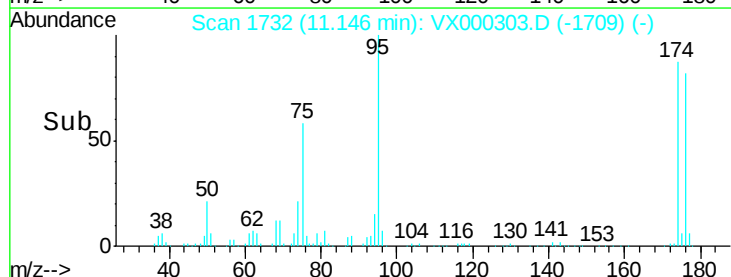
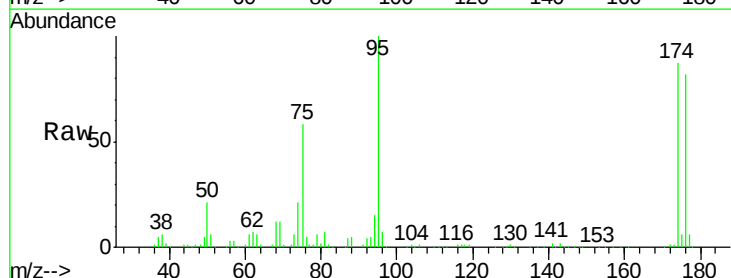
Acq: 13 Mar 2018 16:38

Tgt Ion: 75 Resp: 49634

Ion Ratio Lower Upper

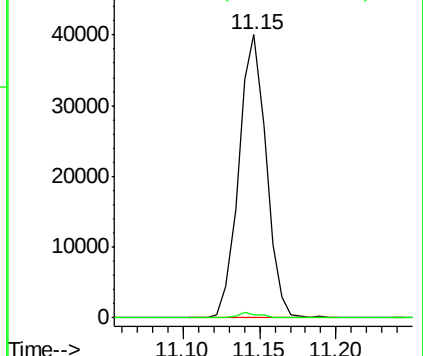
75 100

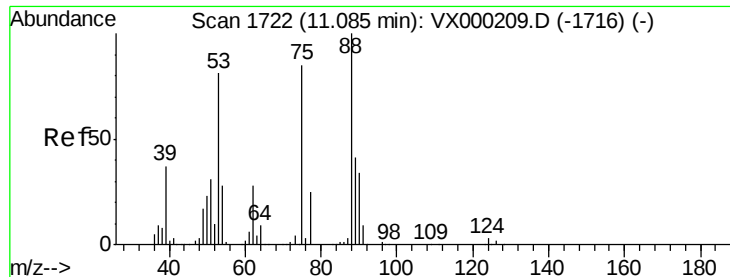
77 1.4 22.3 66.8#



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: 76.74 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Instrument :

MSVOA_X

ClientSampled :

TP-12-COMP

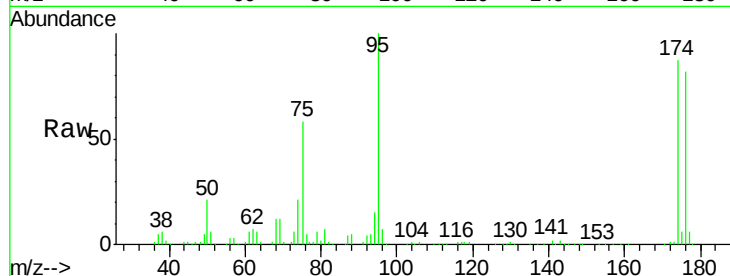
Tot Ion: 75 Resp: 49634

Ion Ratio Lower Upper

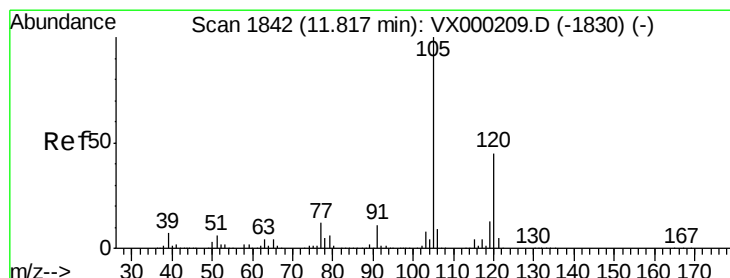
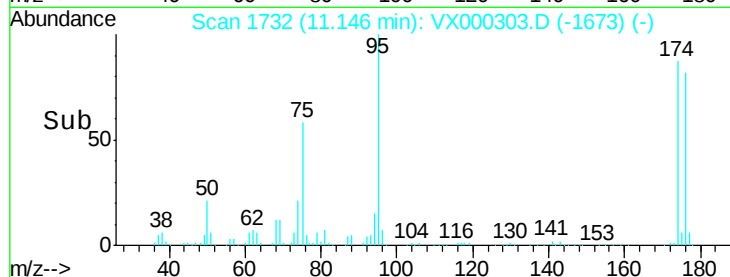
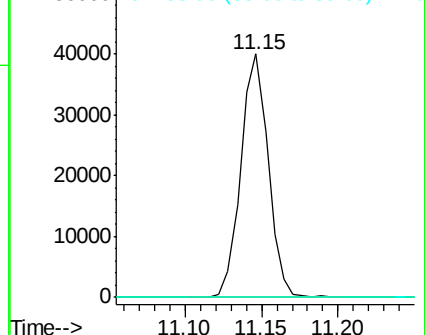
75 100

53 0.0 78.6 118.0#

89 0.0 38.8 58.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.37 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX000303.D

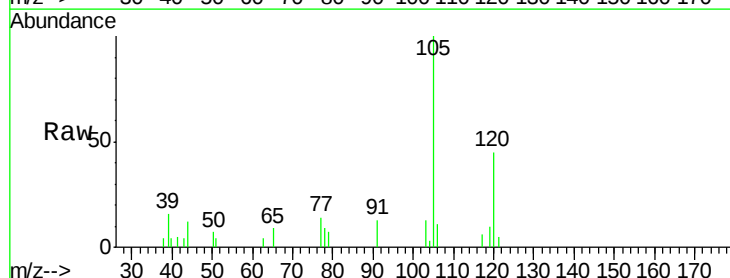
Acq: 13 Mar 2018 16:38

Tgt Ion: 105 Resp: 1971

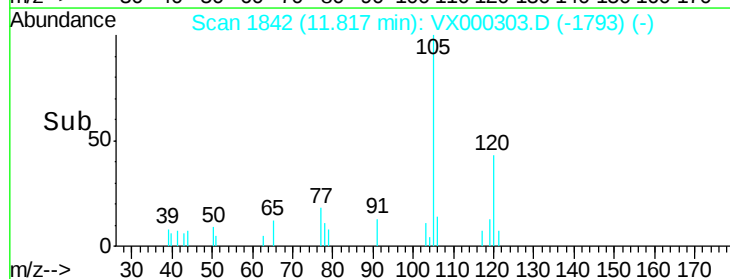
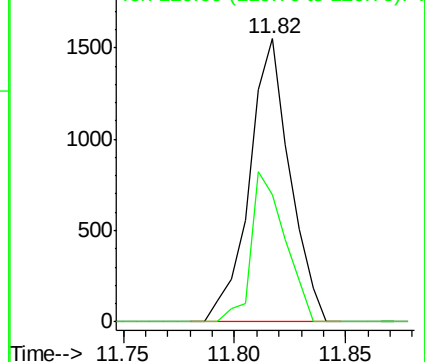
Ion Ratio Lower Upper

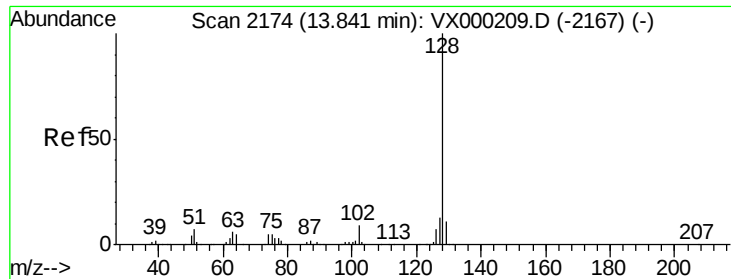
105 100

120 43.9 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

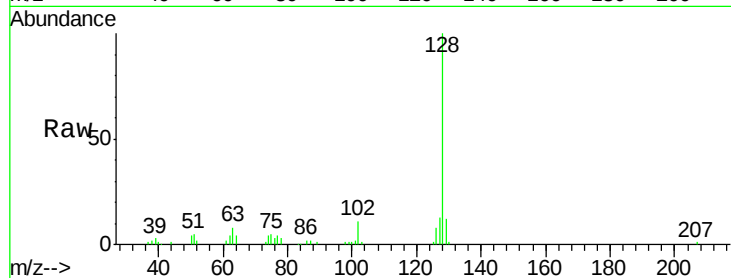




#95
Naphthalene
Concen: 2.35 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000303.D
Acq: 13 Mar 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
TP-12-COMP

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.7	8.6	13.0



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

