

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000300.D
 Acq On : 13 Mar 2018 15:21
 Operator : JC/MD
 Sample : J1753-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HD-02-031218

Quant Time: Mar 14 00:57:16 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	162666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	263636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	252185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	135315	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	106447	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
35) Dibromofluoromethane	5.51	113	80712	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	8.73	98	318668	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	
62) 4-Bromofluorobenzene	11.15	95	118740	44.35	ug/l	0.00
Spiked Amount			Recovery	=	88.70%	

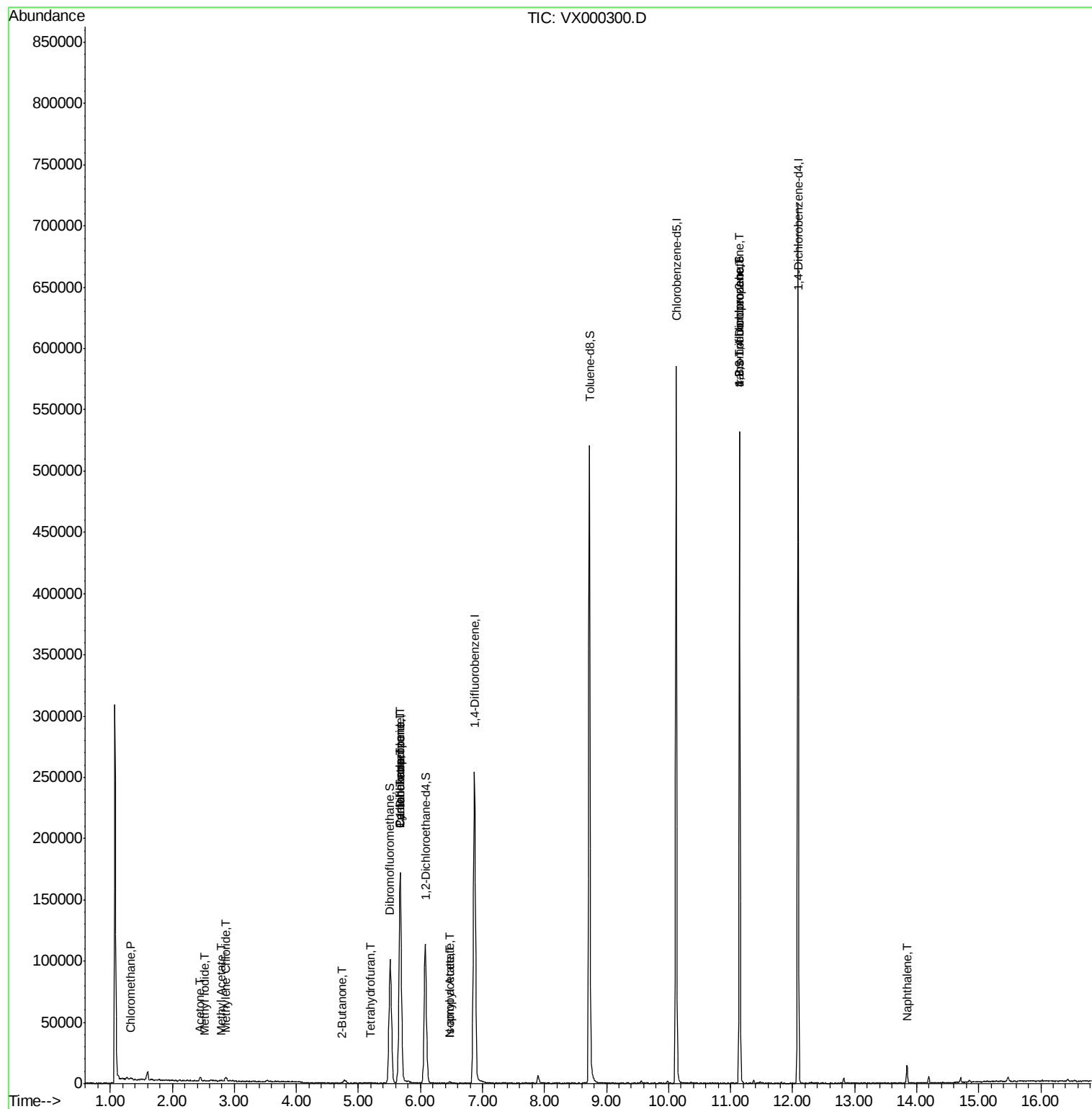
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	686	0.40	ug/l	# 82
5) Bromomethane	1.66	94	327	Below	Cal	# 75
6) Chloroethane	1.70	64	350	Below	Cal	# 42
10) Methyl Iodide	2.51	142	179	3.23	ug/l	# 66
16) Acetone	2.45	43	3117	1.92	ug/l	93
18) Methyl Acetate	2.78	43	1136	0.33	ug/l	# 86
20) Methylene Chloride	2.86	84	1359	0.70	ug/l	96
25) 2-Butanone	4.72	43	559	0.28	ug/l	# 50
29) Tetrahydrofuran	5.20	42	515	0.41	ug/l	# 53
31) Cyclohexane	5.67	56	3824	1.55	ug/l	# 55
36) 1,1-Dichloropropene	5.67	75	12836	5.47	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	16376	6.90	ug/l	# 17
43) Isopropyl Acetate	6.48	43	1340	0.27	ug/l	# 80
74) N-amyl acetate	6.48	43	1340	0.31	ug/l	# 86
76) 1,2,3-Trichloropropane	11.15	75	67957	25.05	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.15	75	67957	76.72	ug/l	# 10
95) Naphthalene	13.84	128	8520	0.81	ug/l	99

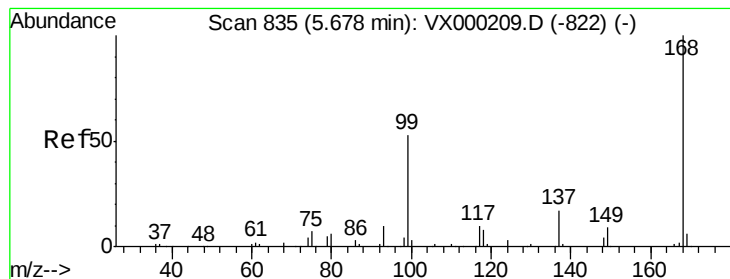
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

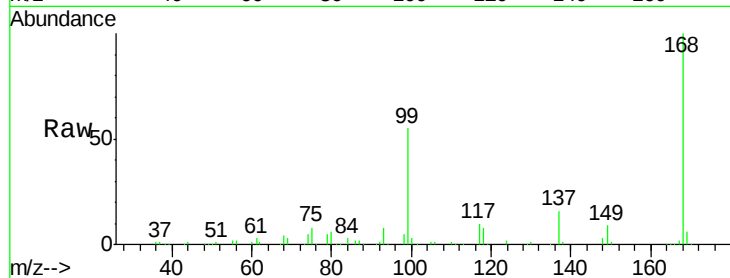
HD-02-031218

Tot Ion:168 Resp: 162666

Ion Ratio Lower Upper

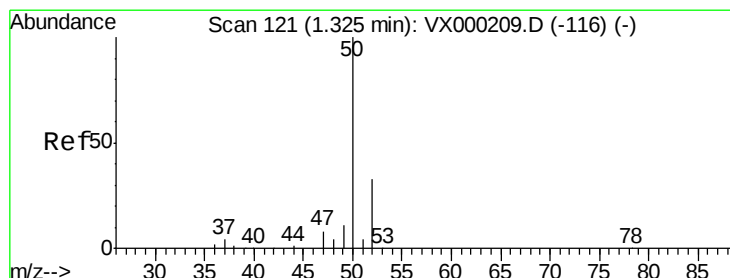
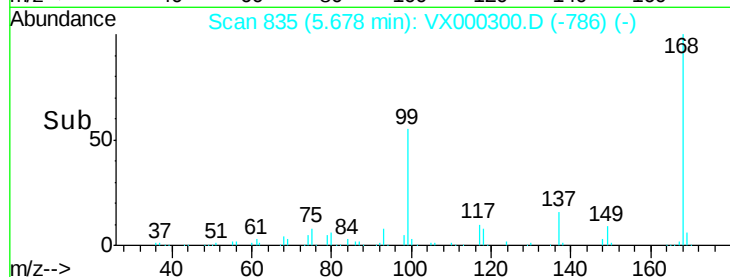
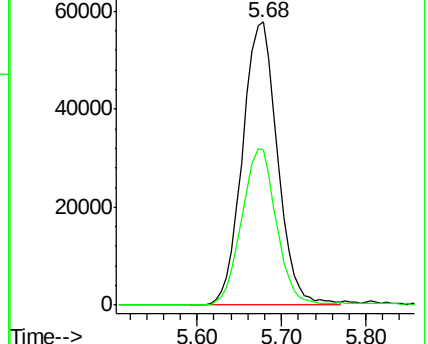
168 100

99 54.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000300.D

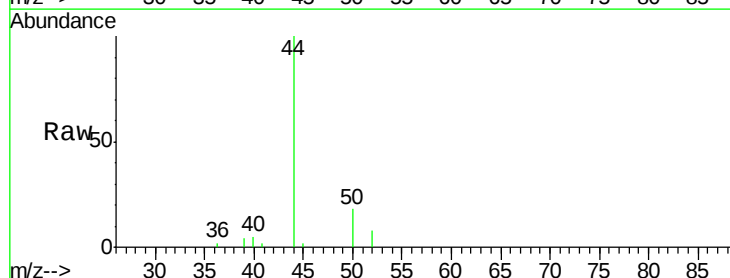
Acq: 13 Mar 2018 15:21

Tgt Ion: 50 Resp: 686

Ion Ratio Lower Upper

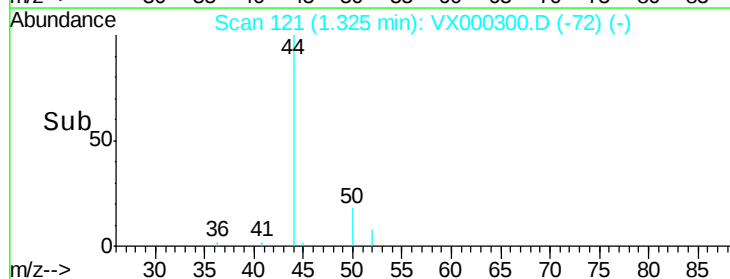
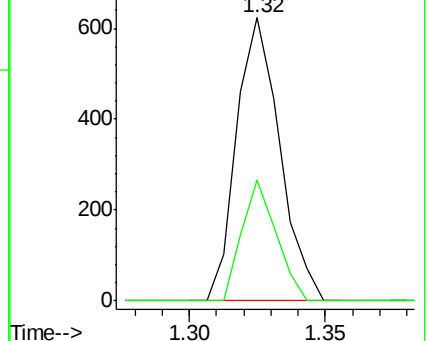
50 100

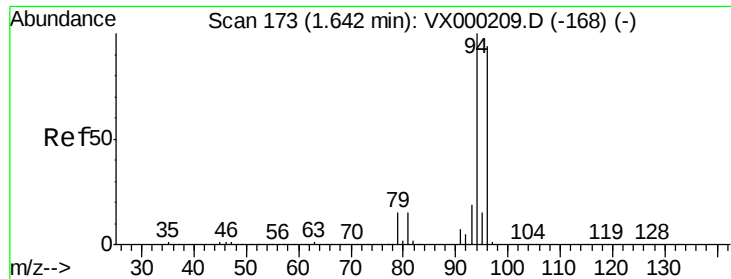
52 42.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

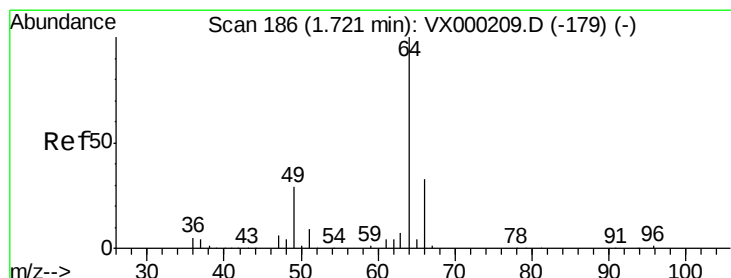
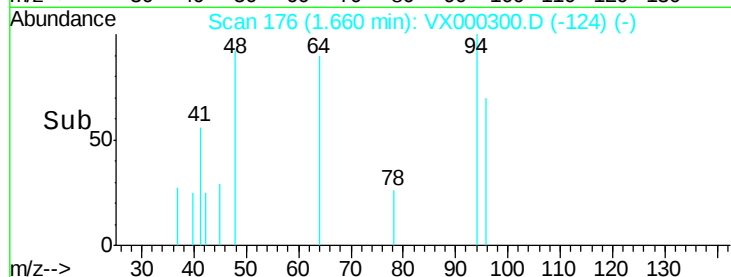
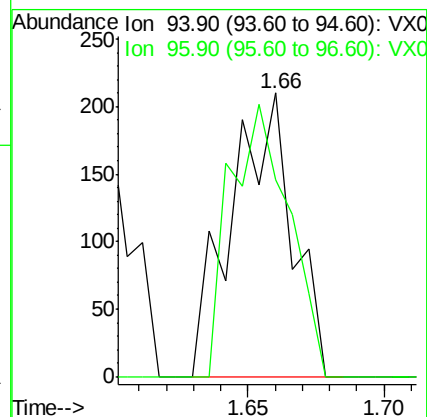
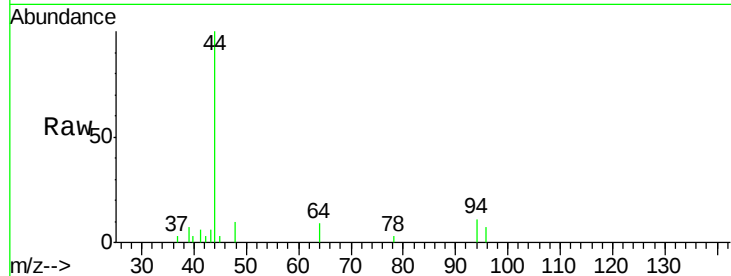
HD-02-031218

Tot Ion: 94 Resp: 327

Ion Ratio Lower Upper

94 100

96 69.5 75.3 112.9#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX000300.D

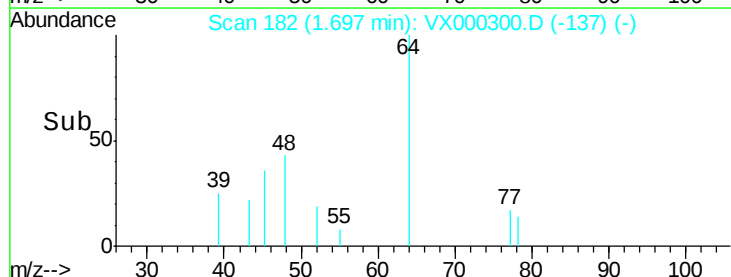
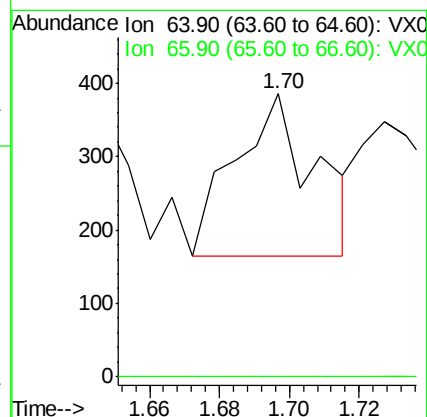
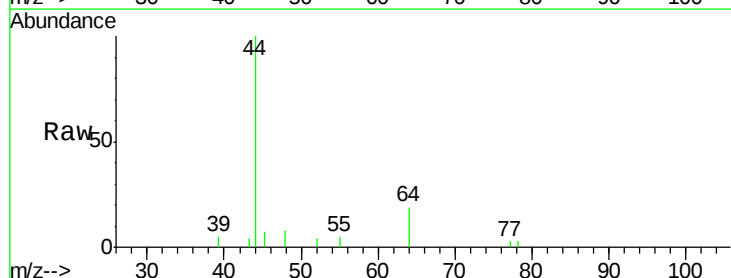
Acq: 13 Mar 2018 15:21

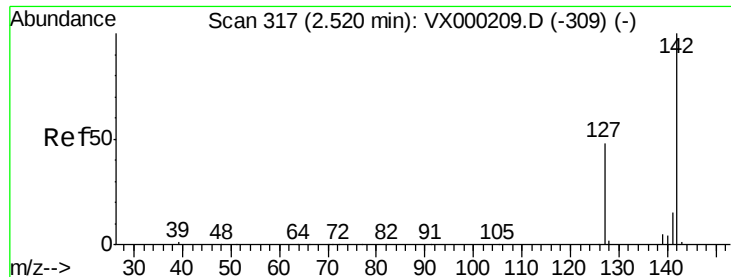
Tgt Ion: 64 Resp: 350

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

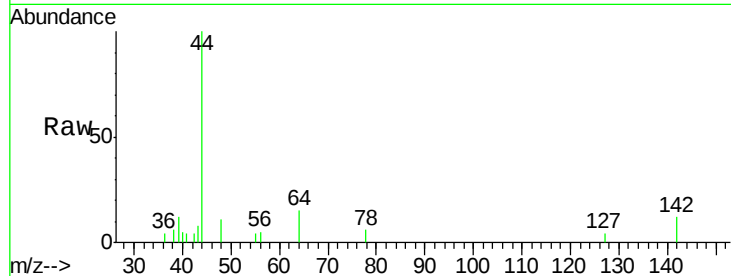




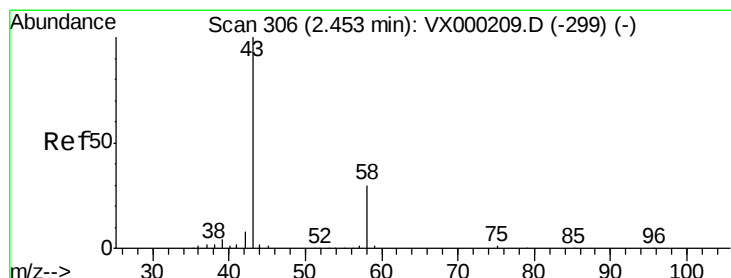
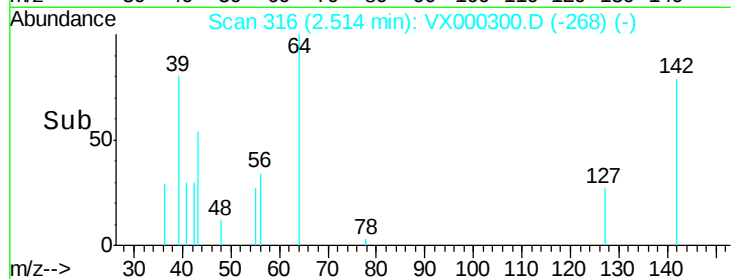
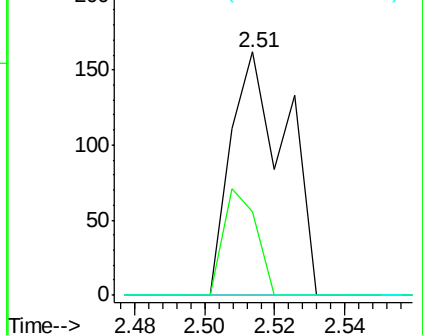
#10
Methvl Iodide
Concen: 3.23 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX000300.D
Acq: 13 Mar 2018 15:21

Instrument :
MSVOA_X
ClientSampleId :
HD-02-031218

Tot Ion:142 Resp: 179
Ion Ratio Lower Upper
142 100
127 25.7 39.0 58.6#
141 0.0 11.6 17.4#

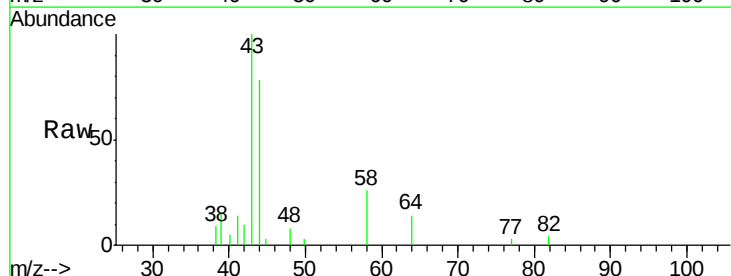


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

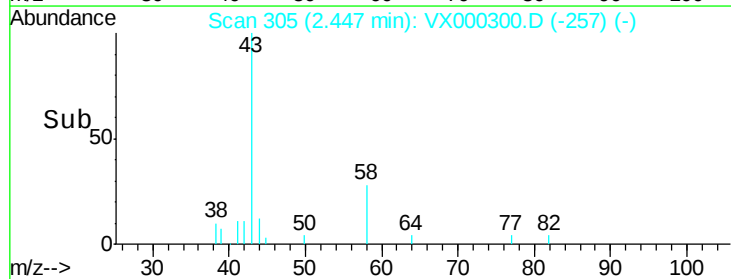
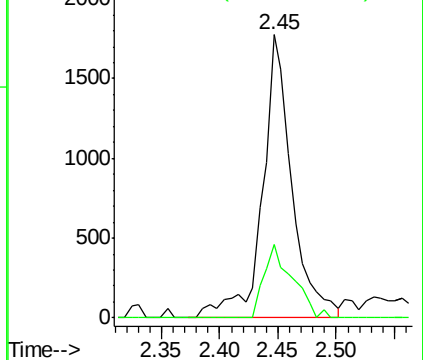


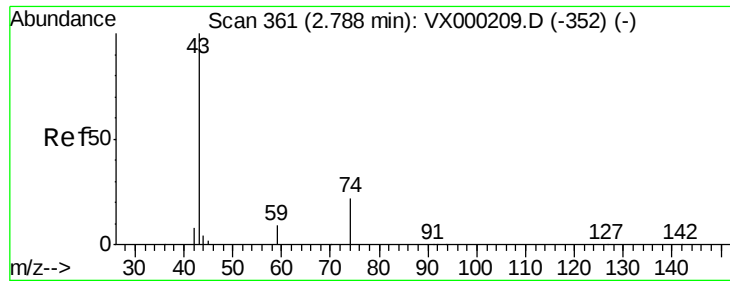
#16
Acetone
Concen: 1.92 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX000300.D
Acq: 13 Mar 2018 15:21

Tgt Ion: 43 Resp: 3117
Ion Ratio Lower Upper
43 100
58 25.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

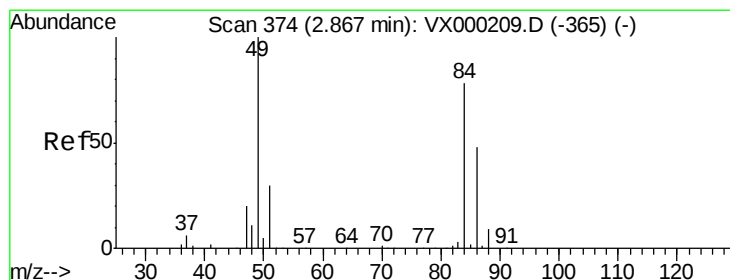
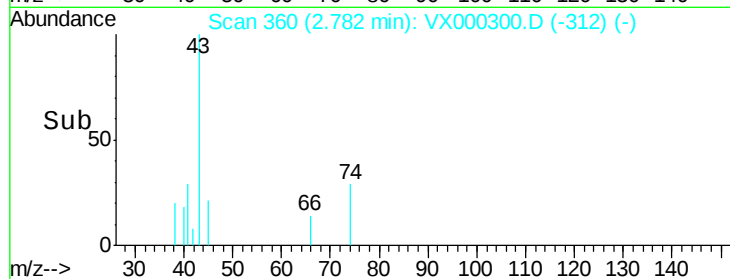
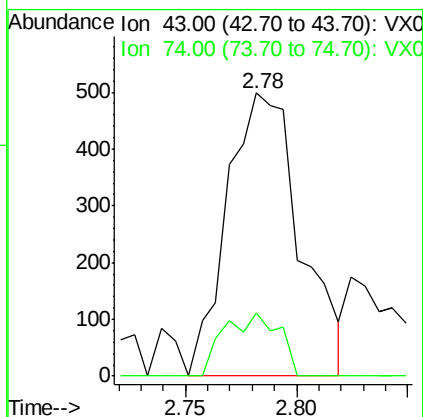
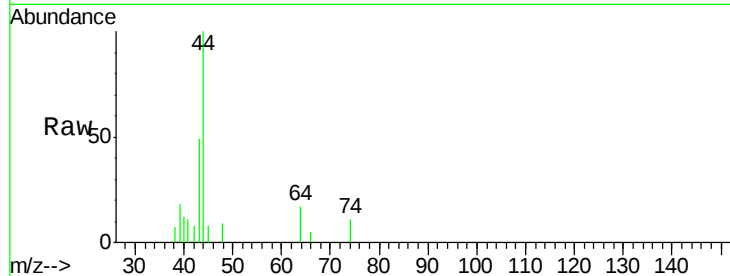




#18
Methyl Acetate
Concen: 0.33 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000300.D
Acq: 13 Mar 2018 15:21

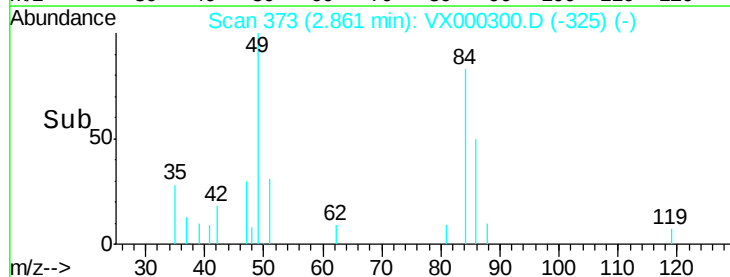
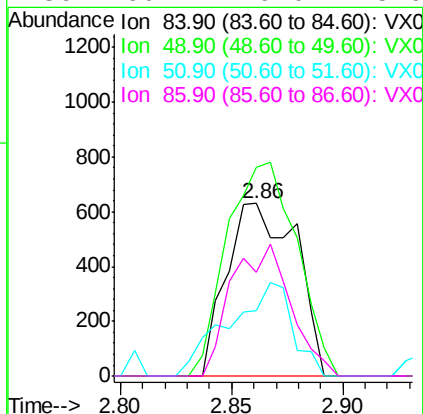
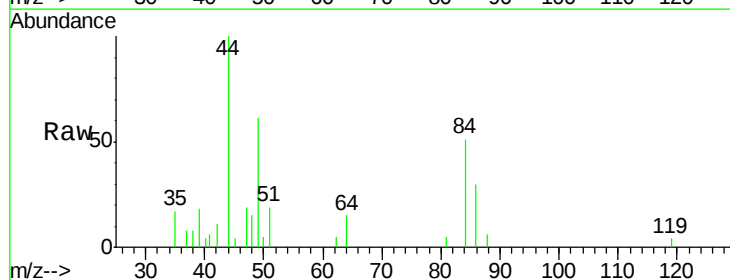
Instrument :
MSVOA_X
ClientSampled :
HD-02-031218

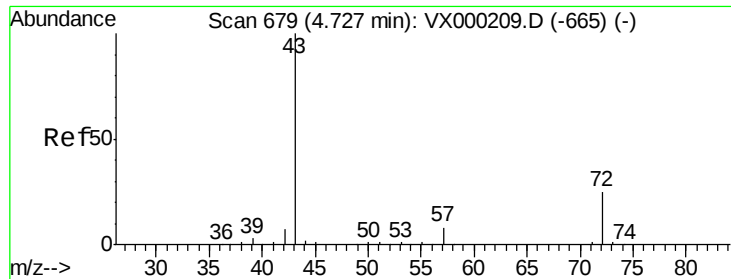
Tot Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
74 16.7 18.9 28.3#



#20
Methylene Chloride
Concen: 0.70 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000300.D
Acq: 13 Mar 2018 15:21

Tgt Ion: 84 Resp: 1359
Ion Ratio Lower Upper
84 100
49 121.1 102.1 153.1
51 38.0 30.6 45.8
86 60.2 49.0 73.6





#25

2-Butanone

Concen: 0.28 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampled :

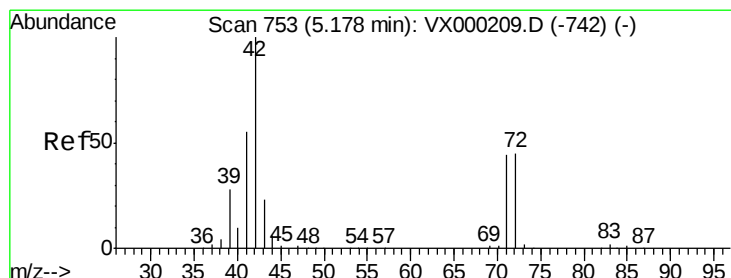
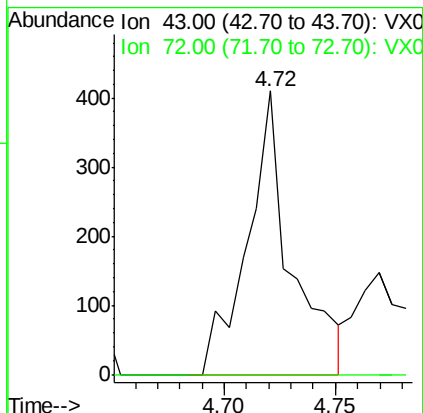
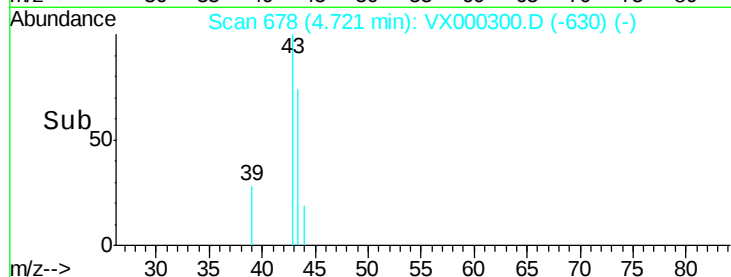
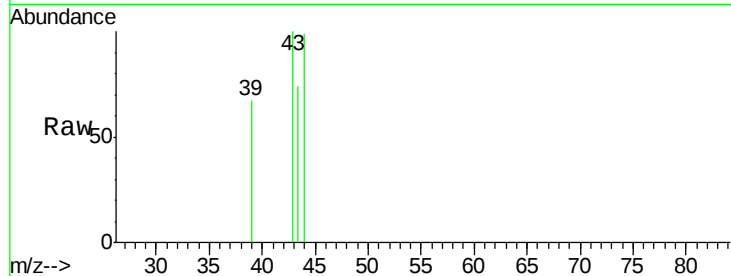
HD-02-031218

Tot Ion: 43 Resp: 559

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



#29

Tetrahydrofuran

Concen: 0.41 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

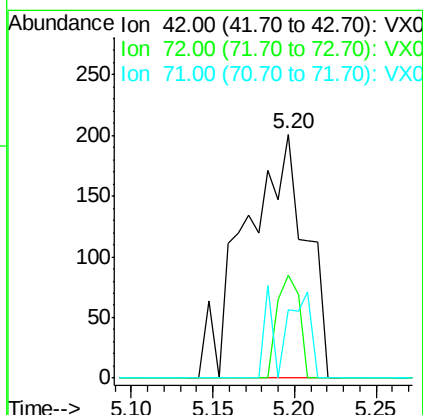
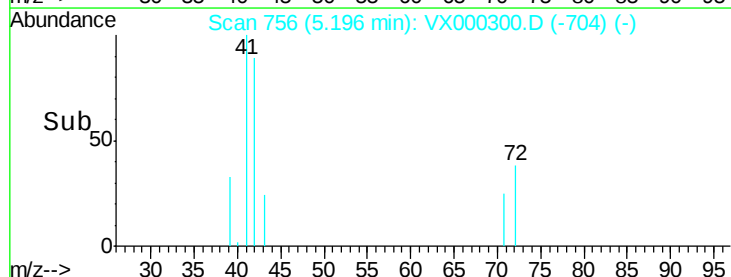
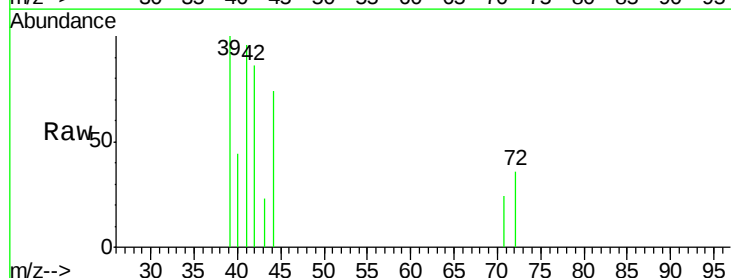
Tgt Ion: 42 Resp: 515

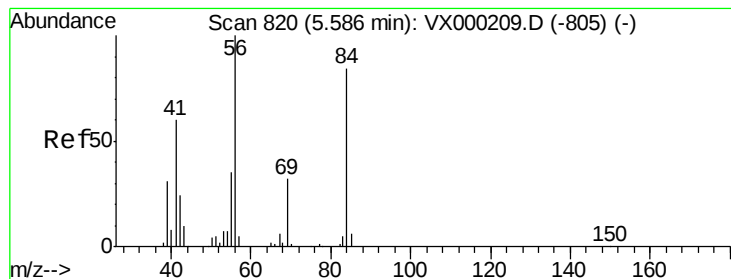
Ion Ratio Lower Upper

42 100

72 15.5 37.3 55.9#

71 13.0 35.0 52.4#





#31

Cyclohexane

Concen: 1.55 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

HD-02-031218

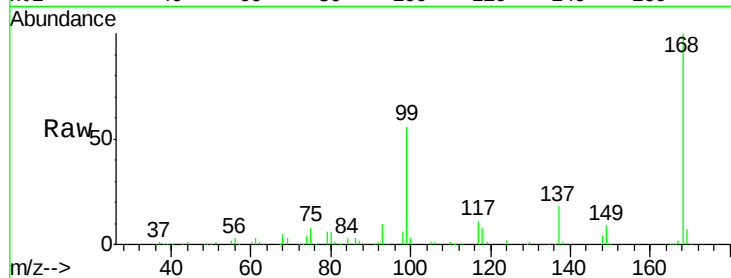
Tot Ion: 56 Resp: 3824

Ion Ratio Lower Upper

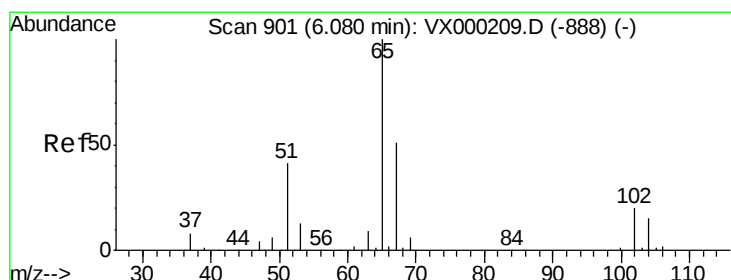
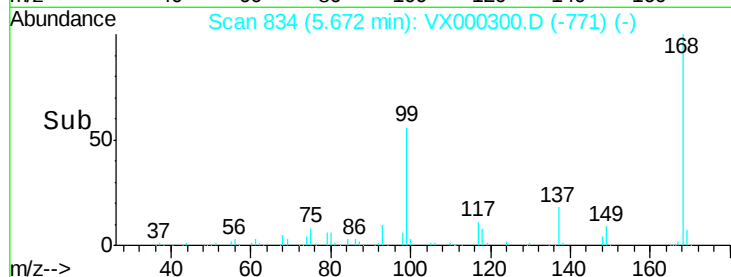
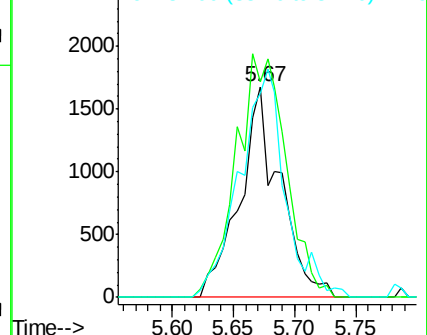
56 100

69 102.1 25.3 37.9#

84 97.0 67.2 100.8



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: 47.21 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000300.D

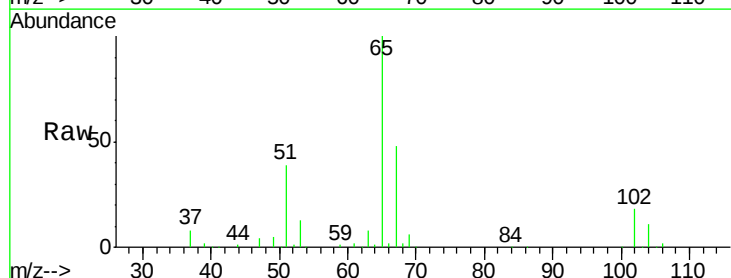
Acq: 13 Mar 2018 15:21

Tgt Ion: 65 Resp: 106447

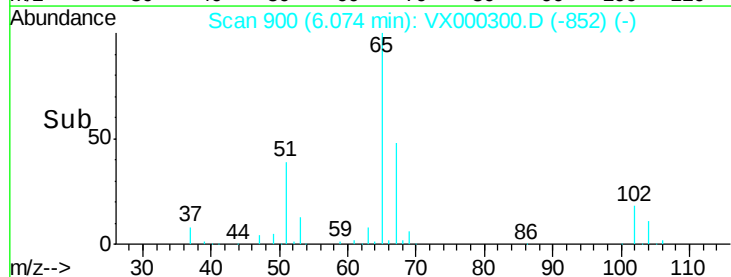
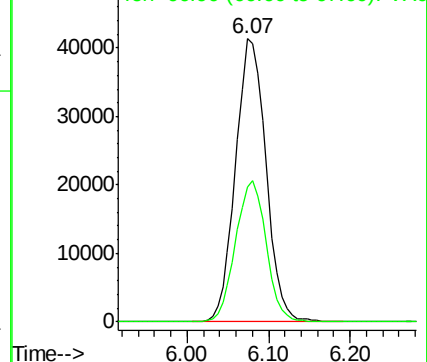
Ion Ratio Lower Upper

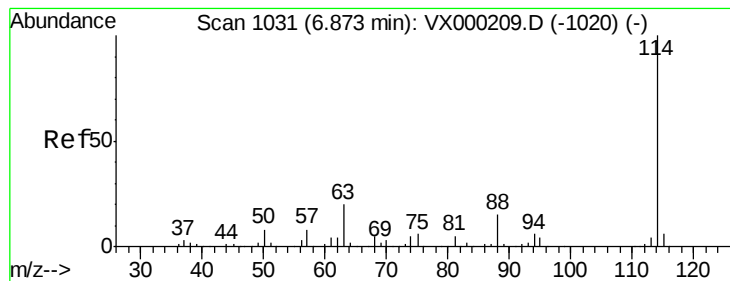
65 100

67 50.1 0.0 103.4



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampled :

HD-02-031218

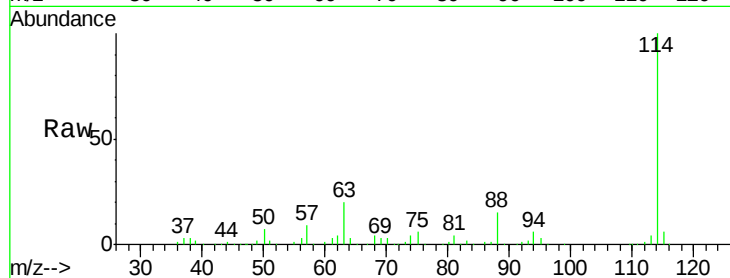
Tot Ion:114 Resp: 263636

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

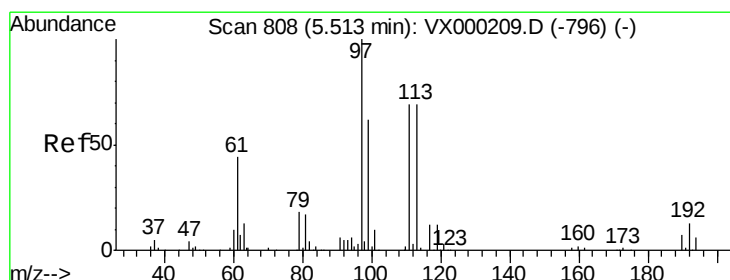
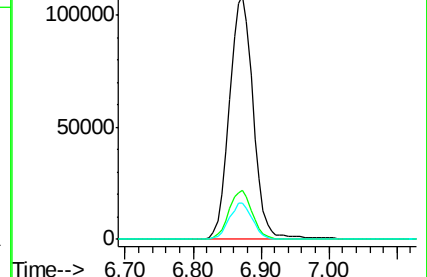
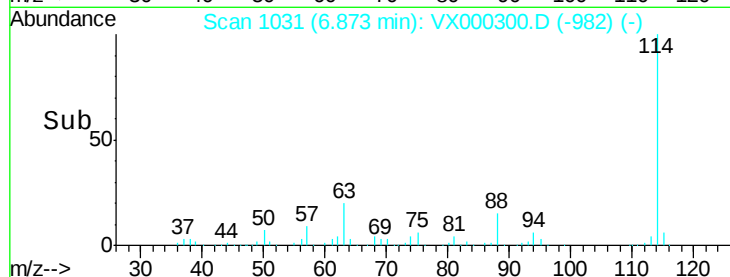
88 14.9 0.0 29.8



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: 48.74 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

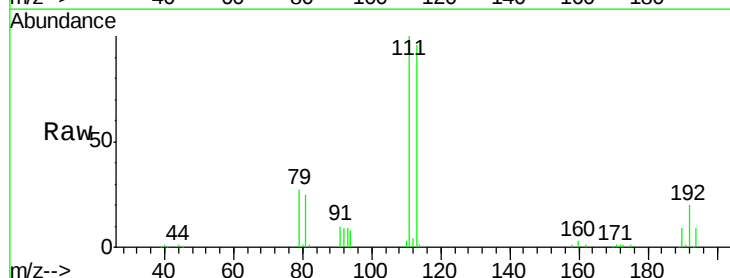
Tgt Ion:113 Resp: 80712

Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.6

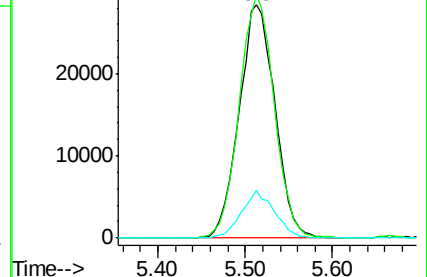
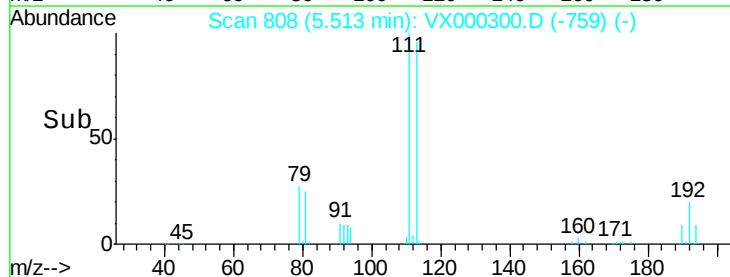
192 18.8 15.5 23.3

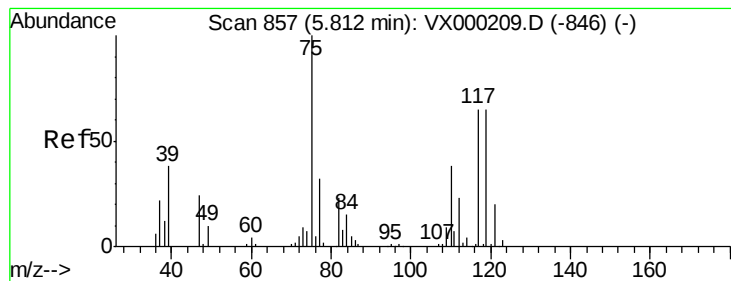


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.47 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

HD-02-031218

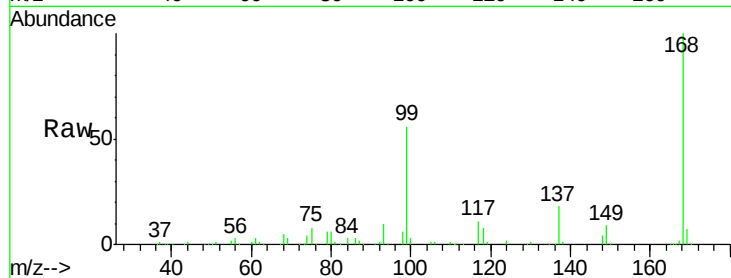
Tot Ion: 75 Resp: 12836

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

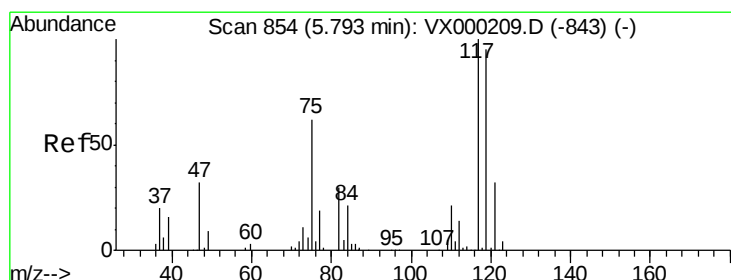
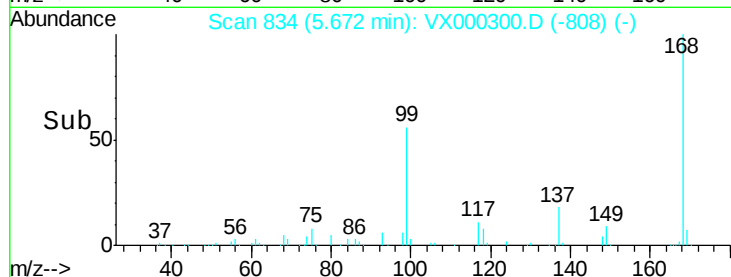
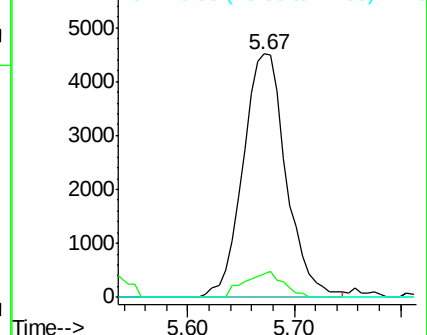
77 0.0 24.9 37.3#



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: 6.90 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

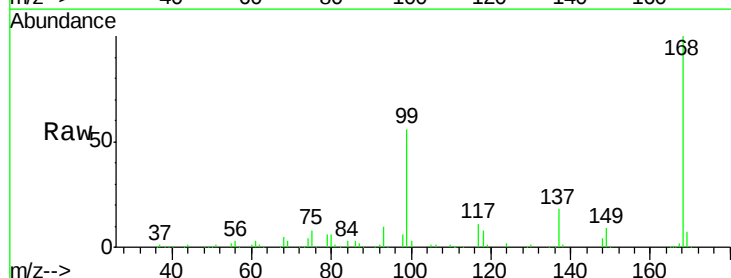
Tgt Ion: 117 Resp: 16376

Ion Ratio Lower Upper

117 100

119 5.6 75.9 113.9#

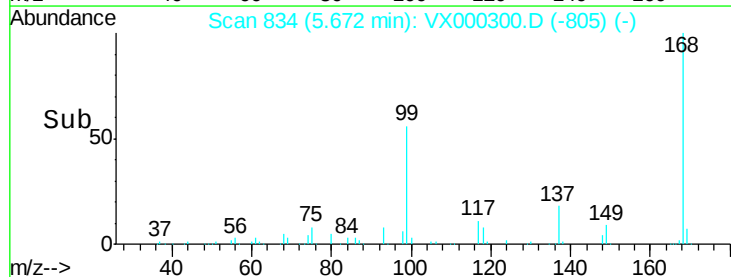
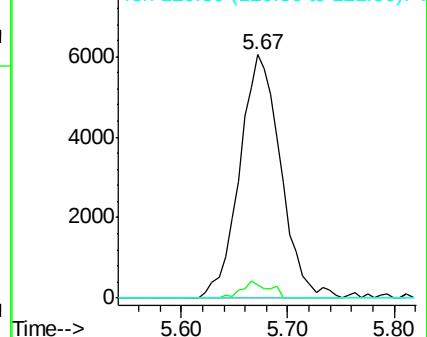
121 0.0 25.8 38.6#

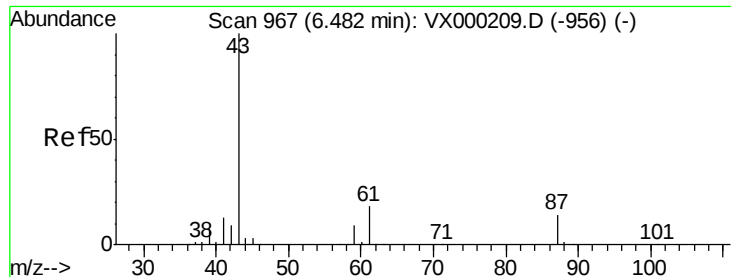


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.27 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

HD-02-031218

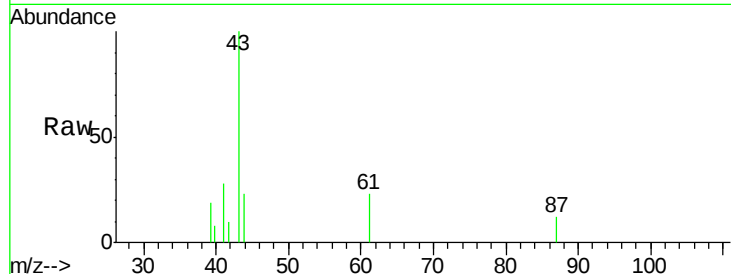
Tot Ion: 43 Resp: 1340

Ion Ratio Lower Upper

43 100

61 24.7 14.8 22.2#

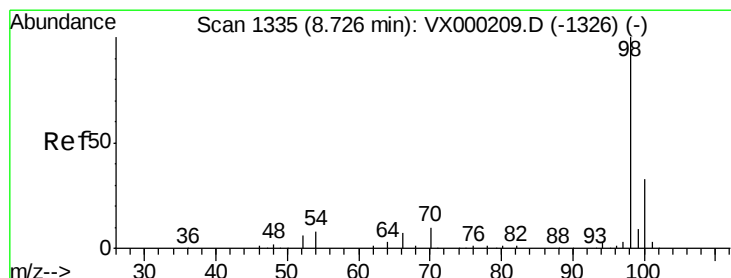
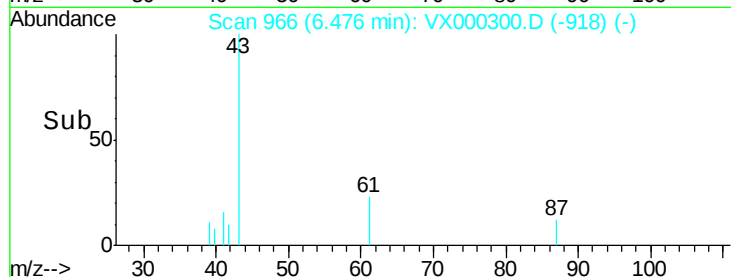
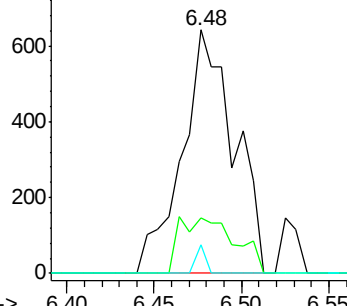
87 2.1 10.6 16.0#



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: 46.46 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000300.D

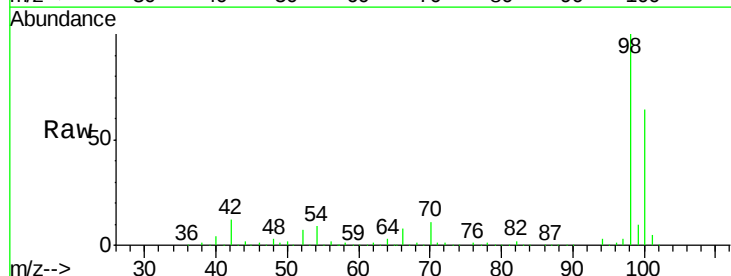
Acq: 13 Mar 2018 15:21

Tgt Ion: 98 Resp: 318668

Ion Ratio Lower Upper

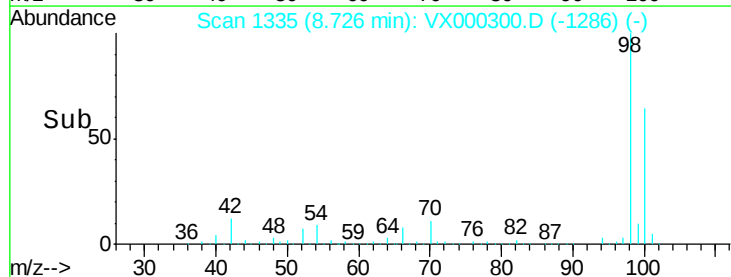
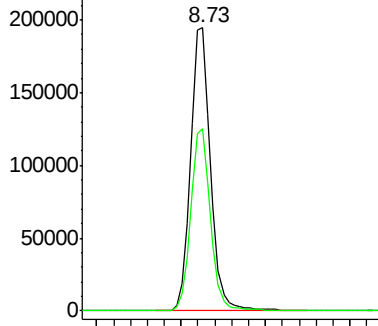
98 100

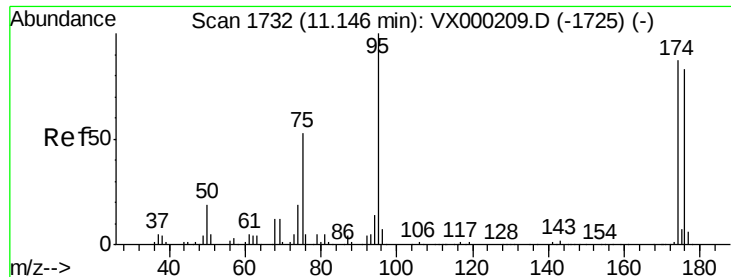
100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.35 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

HD-02-031218

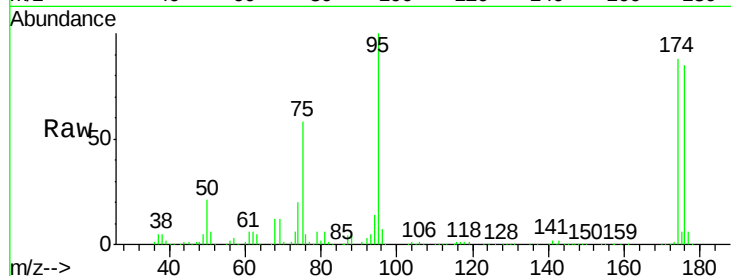
Tot Ion: 95 Resp: 118740

Ion Ratio Lower Upper

95 100

174 86.4 0.0 175.6

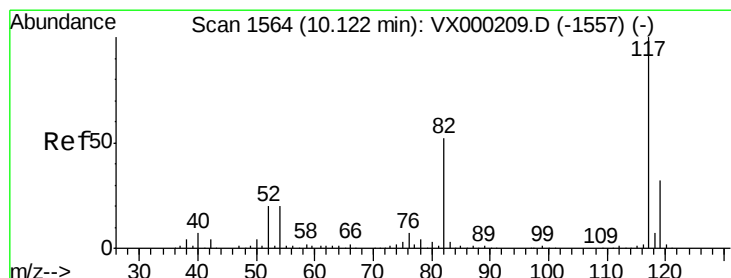
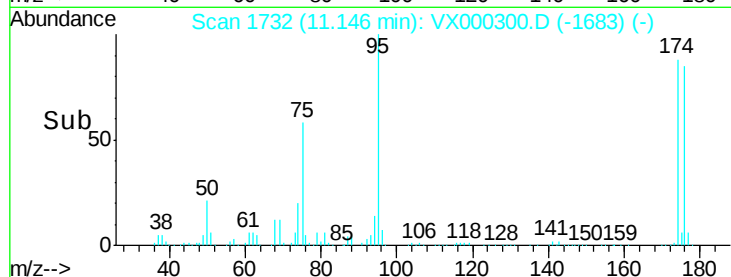
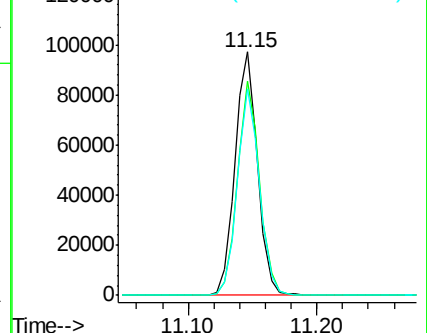
176 83.4 0.0 171.0



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: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

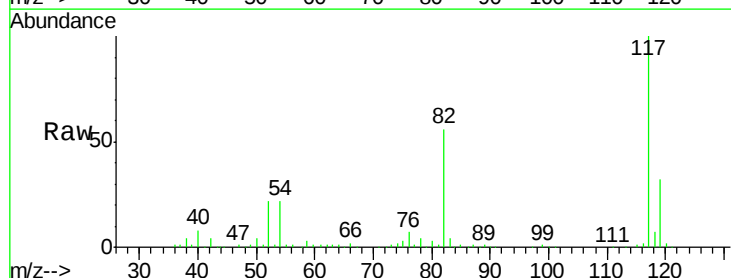
Tgt Ion: 117 Resp: 252185

Ion Ratio Lower Upper

117 100

82 56.3 42.0 63.0

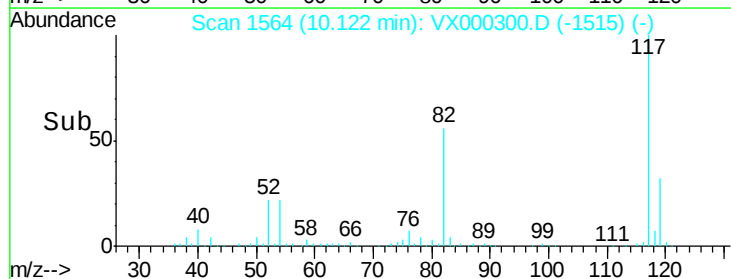
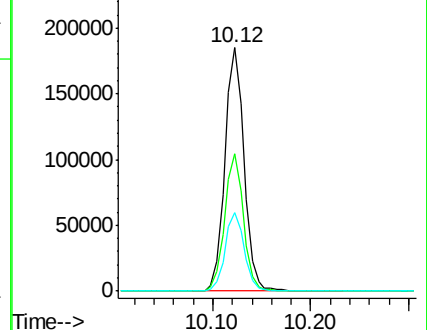
119 32.0 25.3 37.9

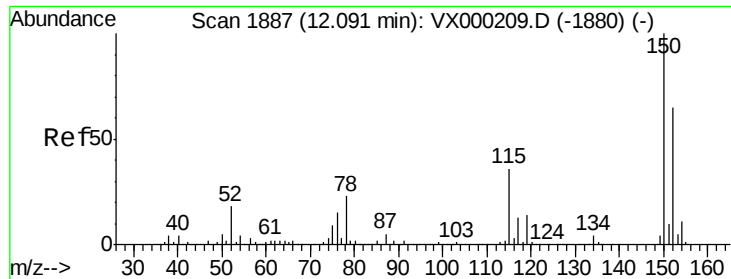


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1887

Delta R.T. 0.00 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

HD-02-031218

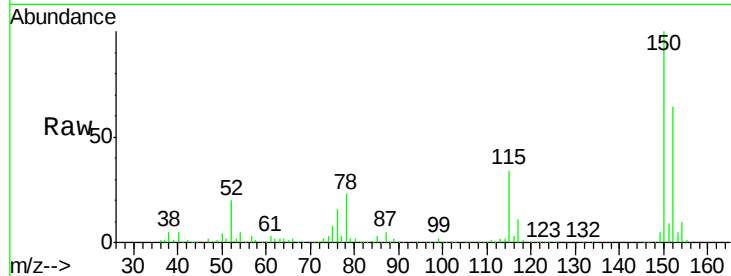
Tot Ion:152 Resp: 135315

Ion Ratio Lower Upper

152 100

115 57.9 39.8 119.3

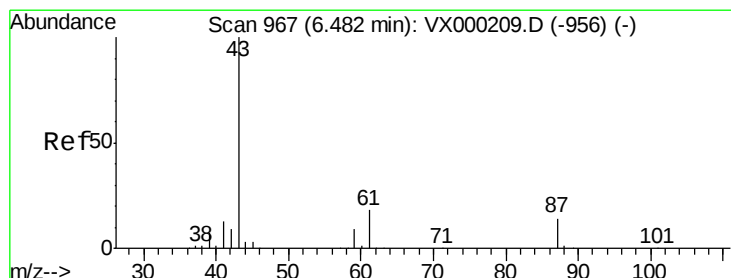
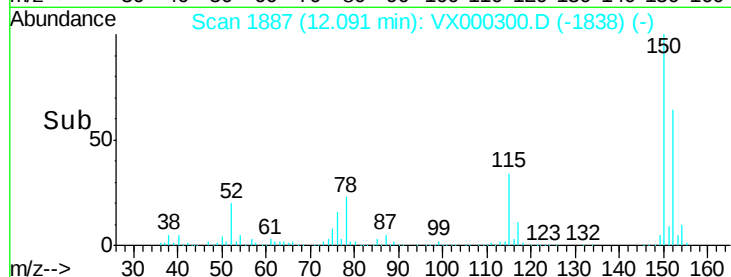
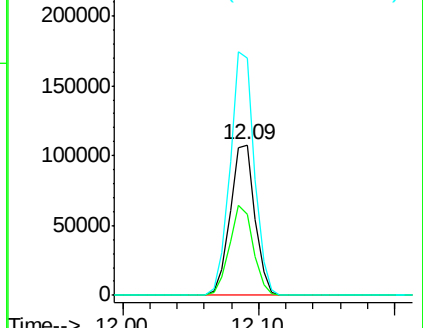
150 158.9 0.0 345.0



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-ethyl acetate

Concen: 0.31 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Tgt Ion: 43 Resp: 1340

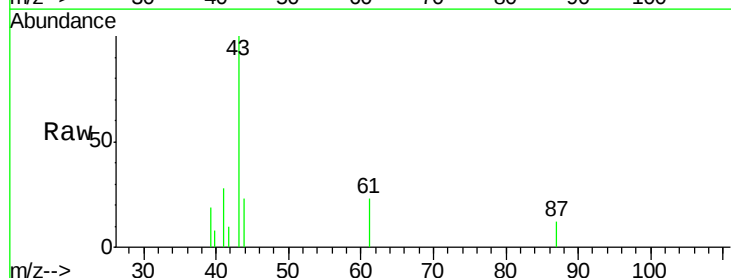
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 24.7 14.8 22.2#

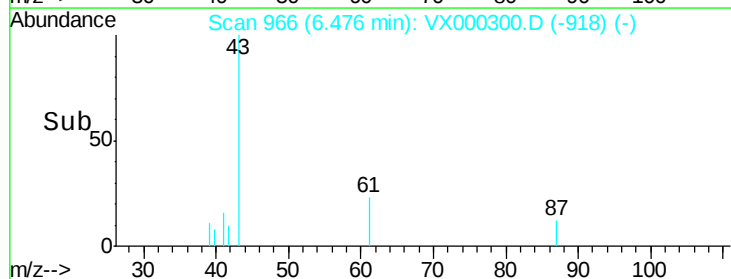
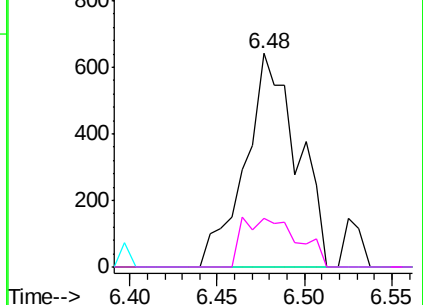


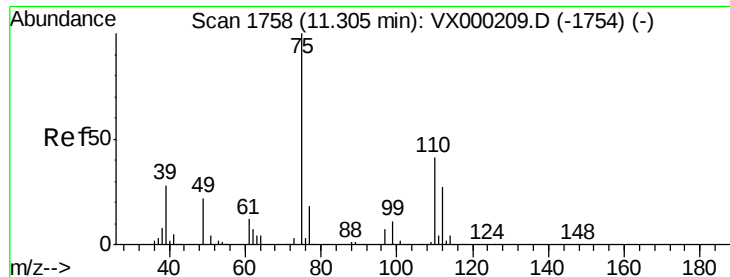
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.05 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

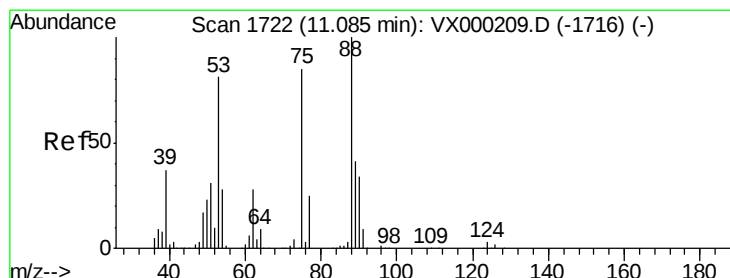
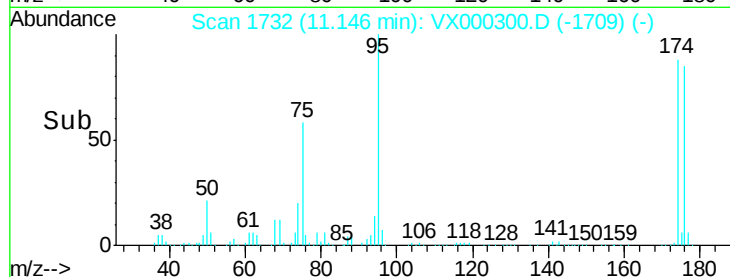
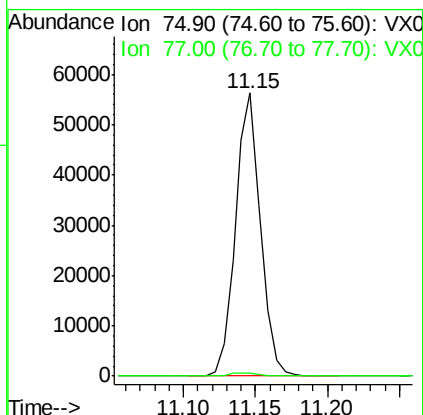
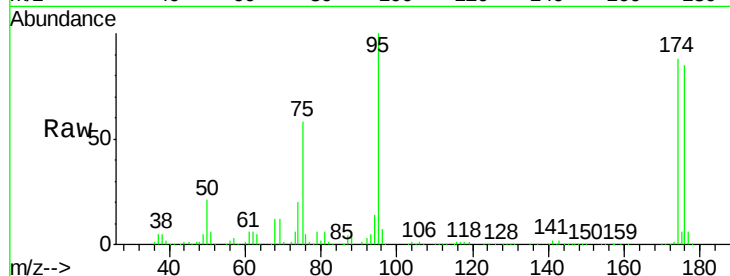
HD-02-031218

Tot Ion: 75 Resp: 67957

Ion Ratio Lower Upper

75 100

77 1.2 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.72 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000300.D

Acq: 13 Mar 2018 15:21

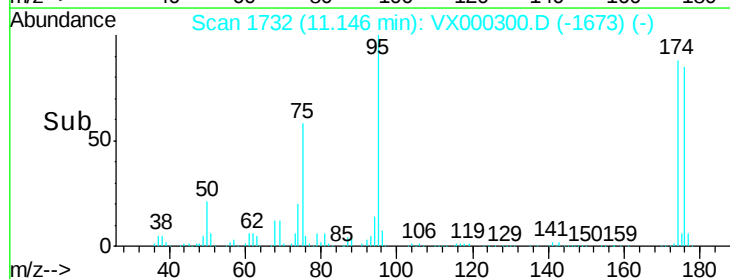
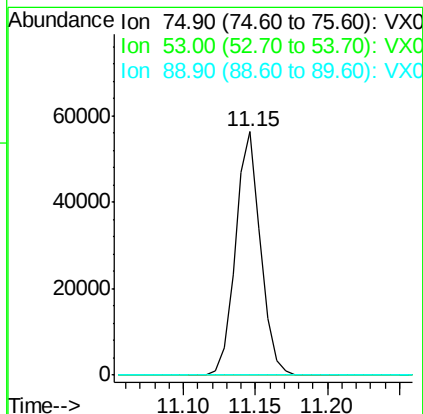
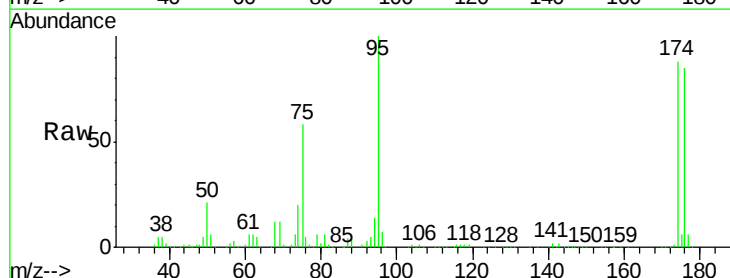
Tgt Ion: 75 Resp: 67957

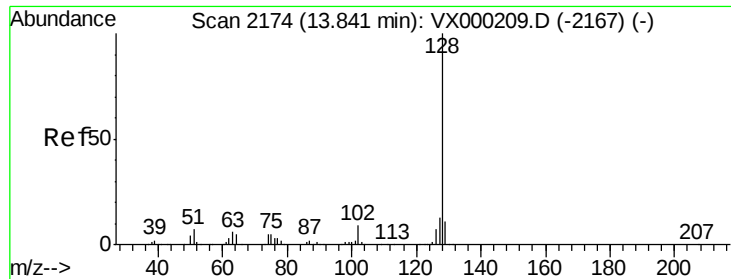
Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 38.8 58.2#

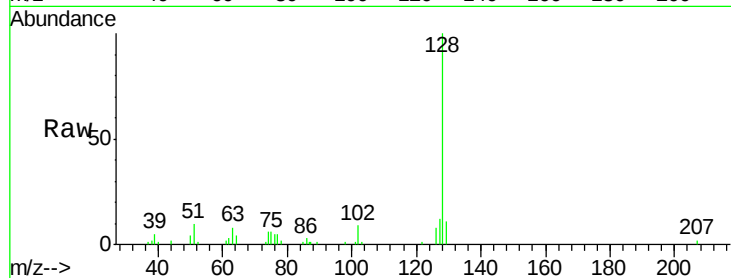




#95
Naphthalene
Concen: 0.81 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000300.D
Acq: 13 Mar 2018 15:21

Instrument :
MSVOA_X
ClientSampleId :
HD-02-031218

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.5	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

