

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
 Data File : VX000499.D
 Acq On : 28 Mar 2018 19:42
 Operator : JC/MD
 Sample : J2100-06 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5-DB

Quant Time: Mar 29 04:12:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	100921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	180712	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	186358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	98320	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	74242	56.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.72%	
35) Dibromofluoromethane	5.51	113	59951	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
50) Toluene-d8	8.73	98	234686	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.15	95	80919	41.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.54%	

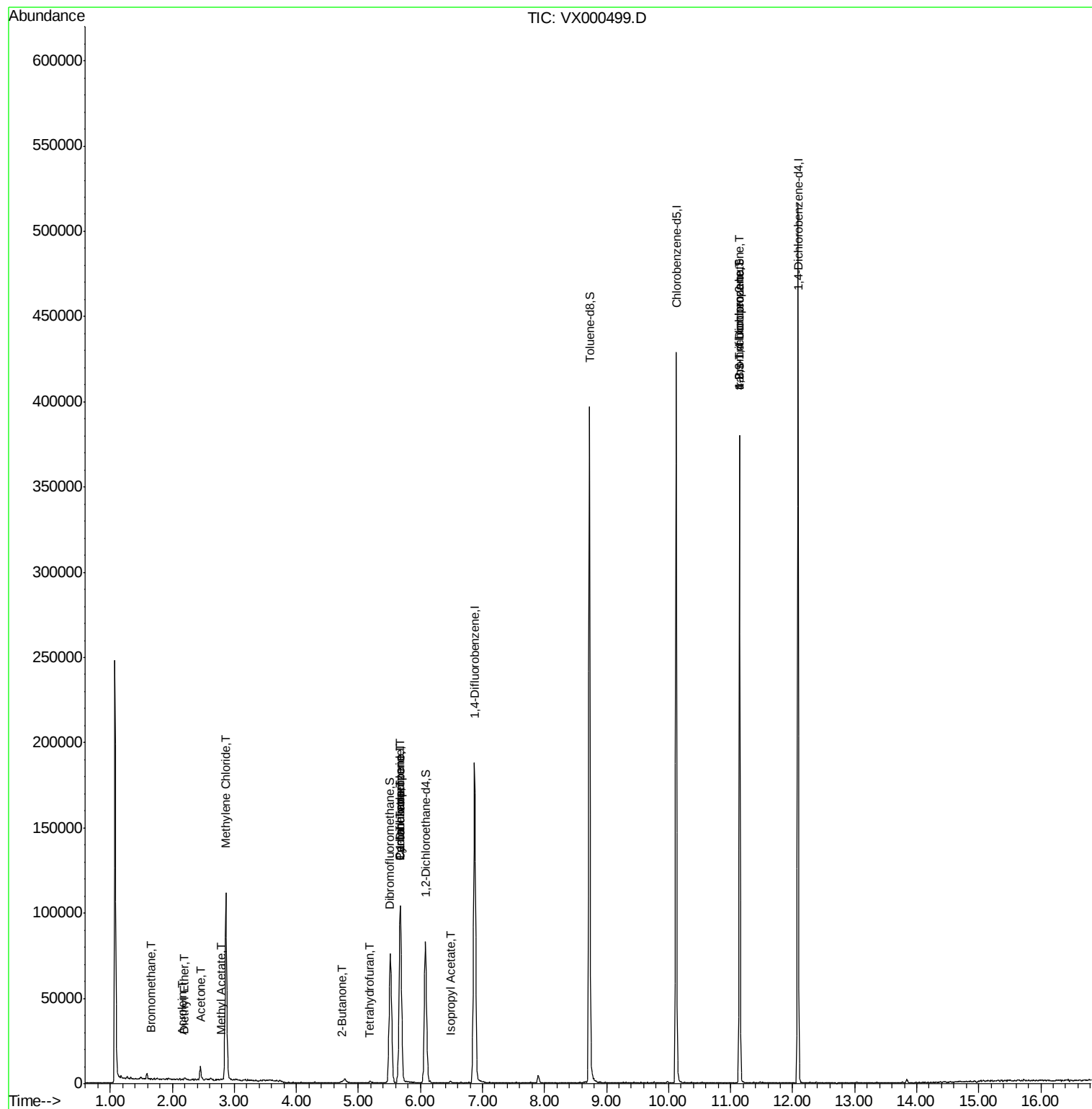
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	230	0.20	ug/l #	42
6) Chloroethane	1.70	64	357	Below Cal	#	44
8) Diethyl Ether	2.18	74	260	0.33	ug/l #	1
13) Acrolein	2.17	56	32	14.79	ug/l #	13
14) Allyl chloride	2.71	41	175	Below Cal	#	47
16) Acetone	2.45	43	7525	6.87	ug/l	92
18) Methyl Acetate	2.78	43	550	0.24	ug/l #	51
20) Methylene Chloride	2.86	84	47973	37.90	ug/l	95
25) 2-Butanone	4.73	43	1270	1.03	ug/l #	73
29) Tetrahydrofuran	5.18	42	231	0.30	ug/l #	66
31) Cyclohexane	5.68	56	2708	1.63	ug/l #	32
36) 1,1-Dichloropropene	5.67	75	8184	4.83	ug/l #	51
38) Carbon Tetrachloride	5.68	117	9733	5.48	ug/l #	16
43) Isopropyl Acetate	6.48	43	995	0.29	ug/l #	84
74) N-amyl acetate	6.48	43	995	Below Cal	#	75
76) 1,2,3-Trichloropropane	11.15	75	46549	22.03	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	46549	71.32	ug/l #	9

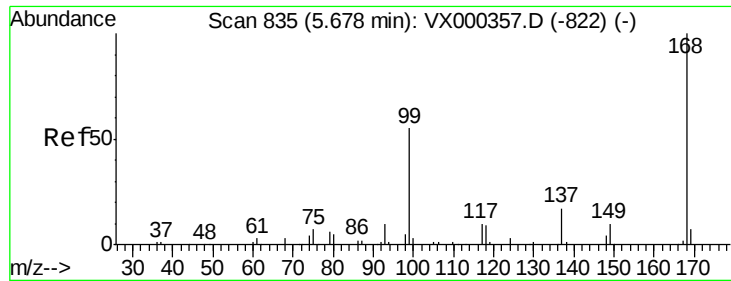
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 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: VX000499.D

Acq: 28 Mar 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

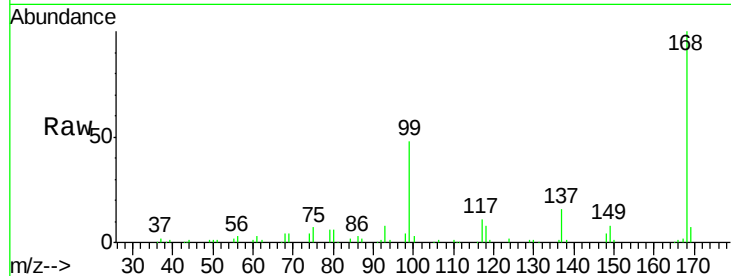
TP-5-DB

Tgt Ion:168 Resp: 100921

Ion Ratio Lower Upper

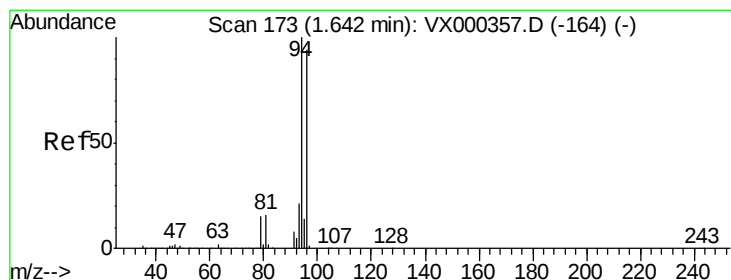
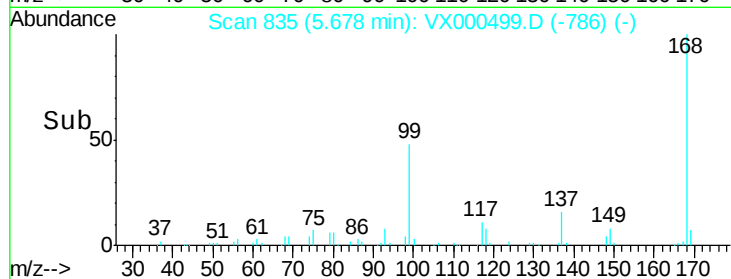
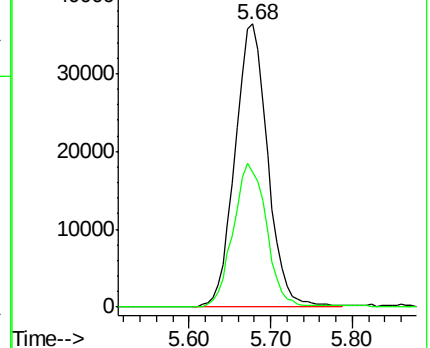
168 100

99 47.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.20 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000499.D

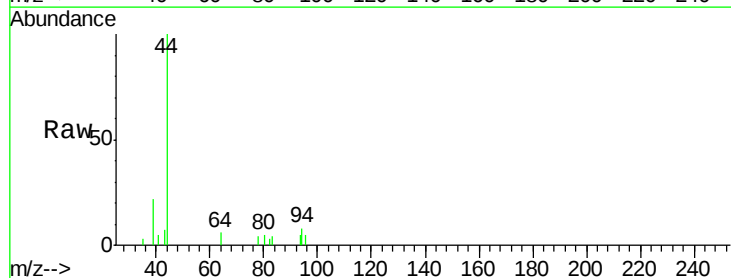
Acq: 28 Mar 2018 19:42

Tgt Ion: 94 Resp: 230

Ion Ratio Lower Upper

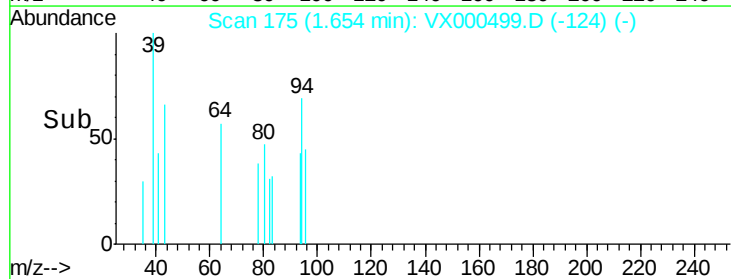
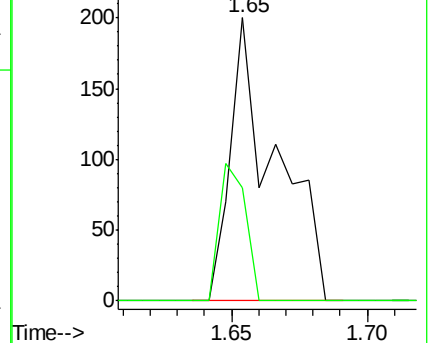
94 100

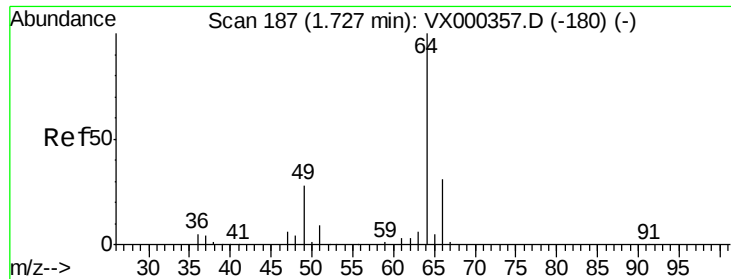
96 40.0 77.7 116.5#



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: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

Instrument :

MSVOA_X

ClientSampled :

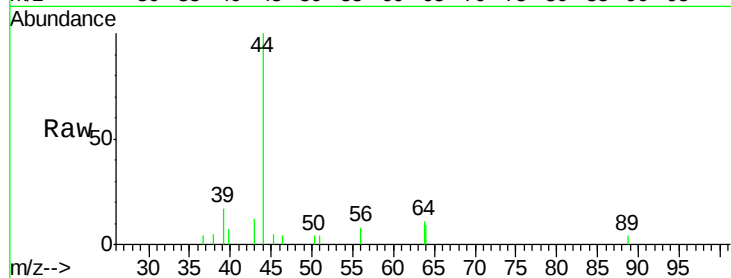
TP-5-DB

Tgt Ion: 64 Resp: 357

Ion Ratio Lower Upper

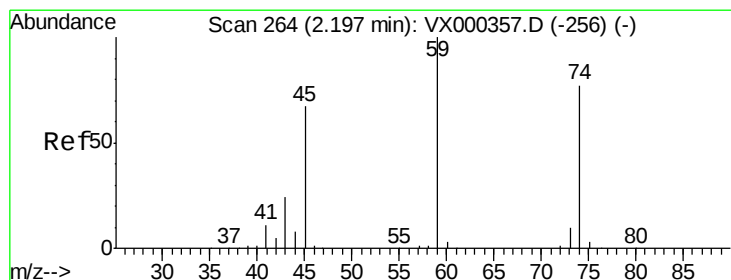
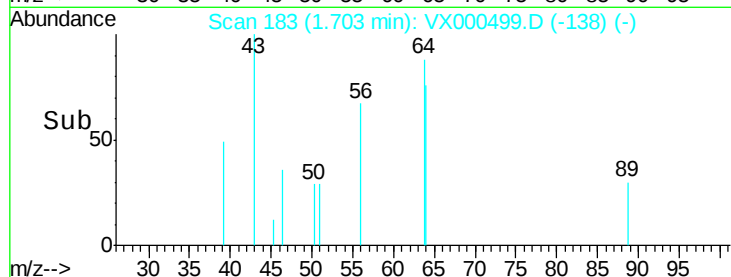
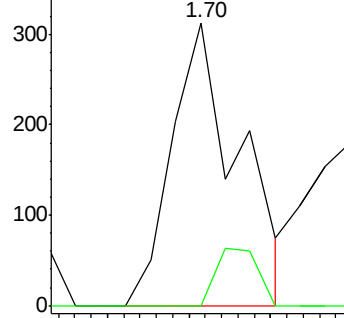
64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: 0.33 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.01 min

Lab File: VX000499.D

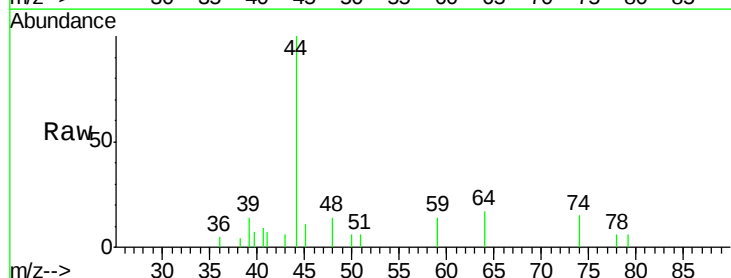
Acq: 28 Mar 2018 19:42

Tgt Ion: 74 Resp: 260

Ion Ratio Lower Upper

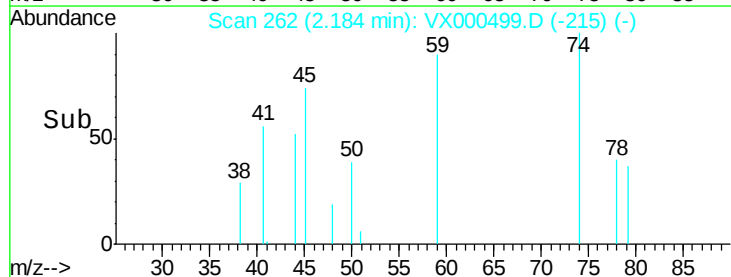
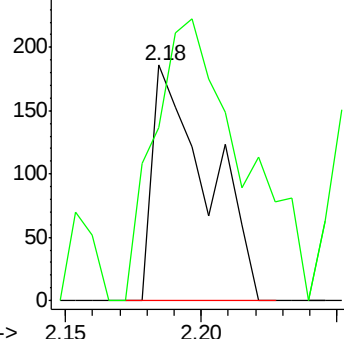
74 100

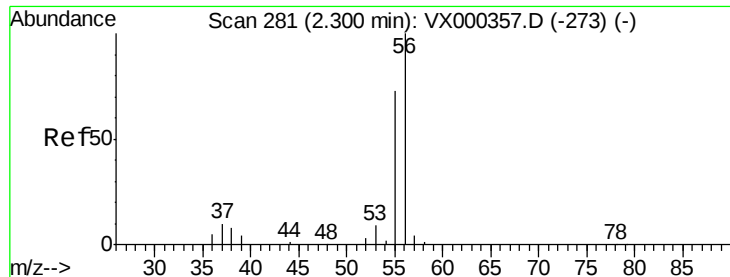
45 191.9 45.1 135.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#13

Acrolein

Concen: 14.79 ug/l

RT: 2.17 min Scan# 259

Delta R.T. -0.13 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

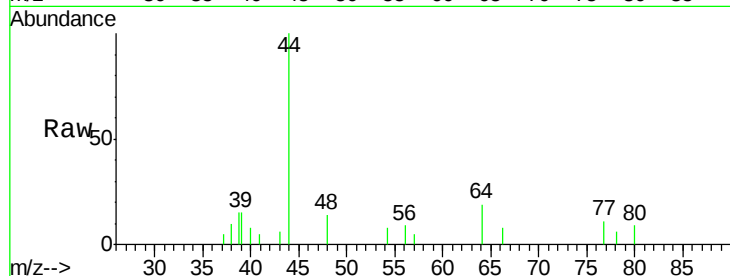
TP-5-DB

Tgt Ion: 56 Resp: 32

Ion Ratio Lower Upper

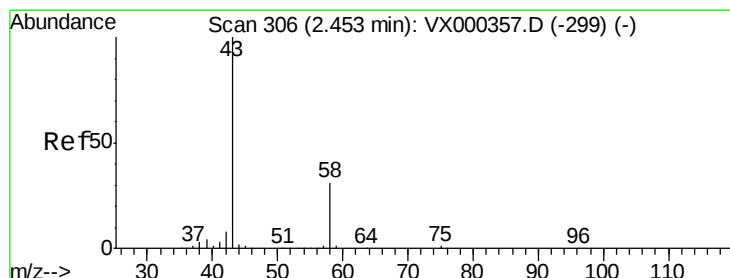
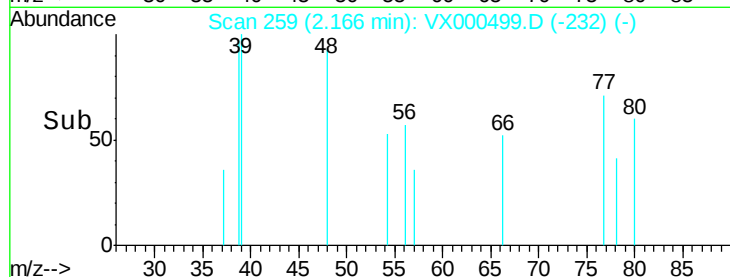
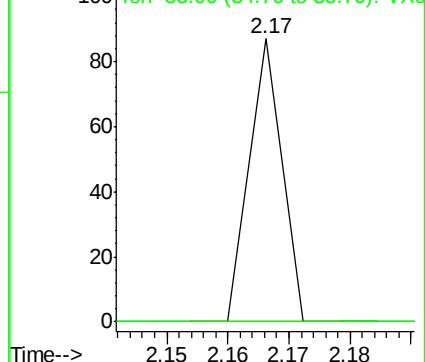
56 100

55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 6.87 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000499.D

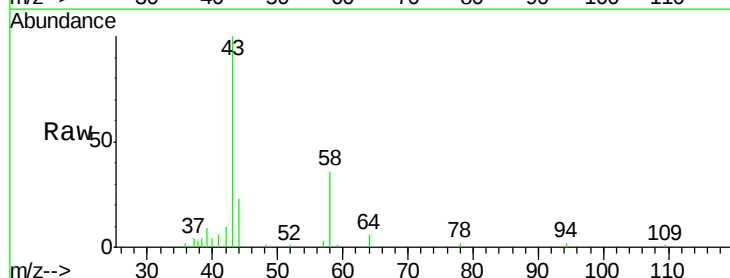
Acq: 28 Mar 2018 19:42

Tgt Ion: 43 Resp: 7525

Ion Ratio Lower Upper

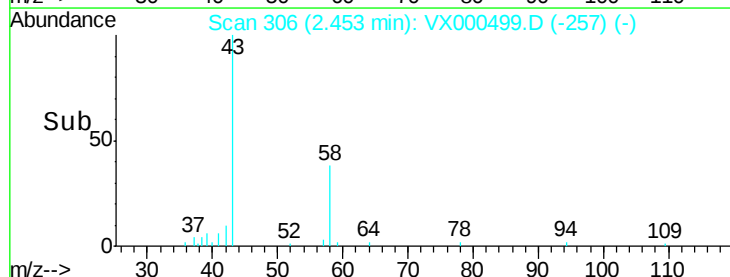
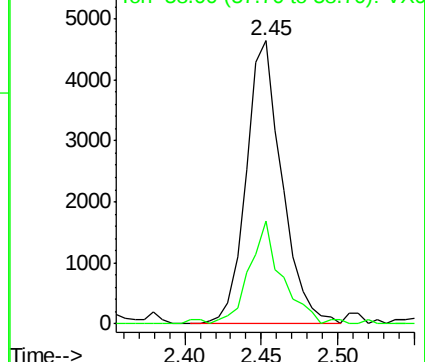
43 100

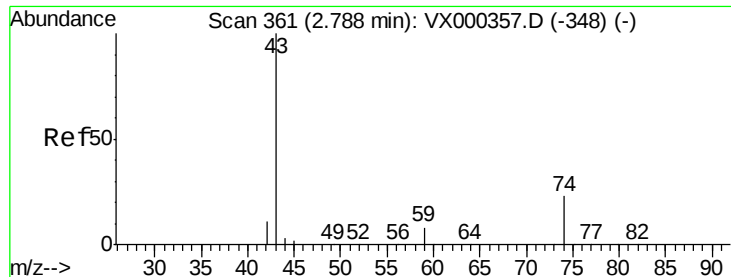
58 35.0 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

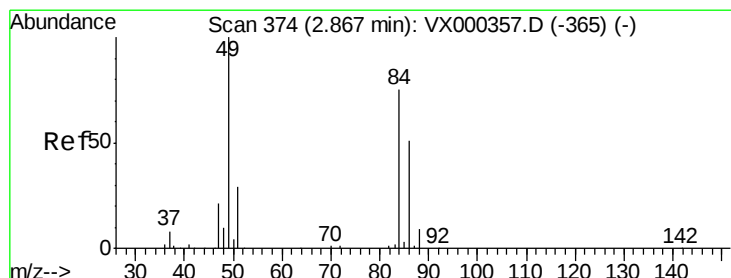
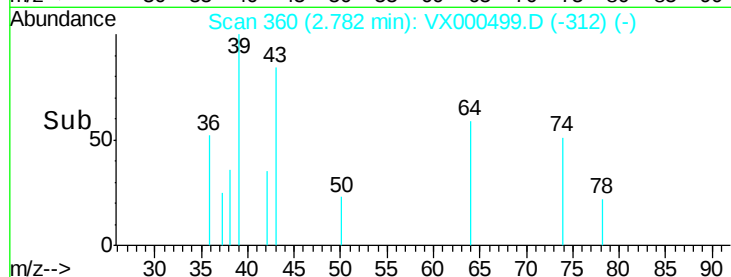
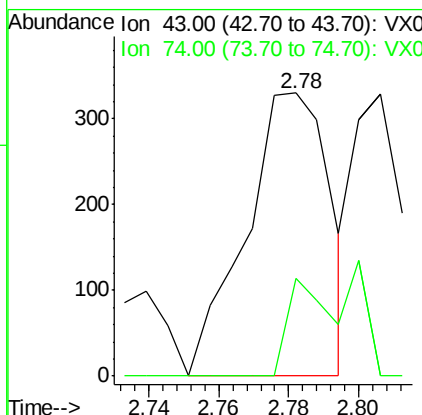
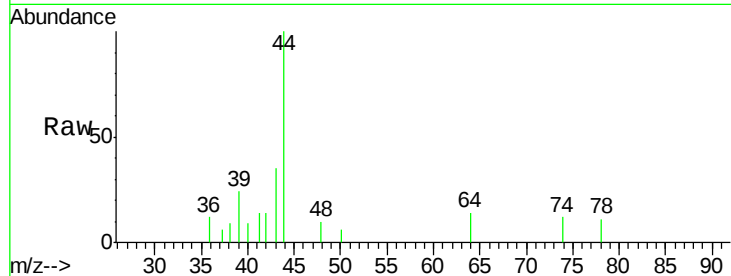




#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000499.D
Acq: 28 Mar 2018 19:42

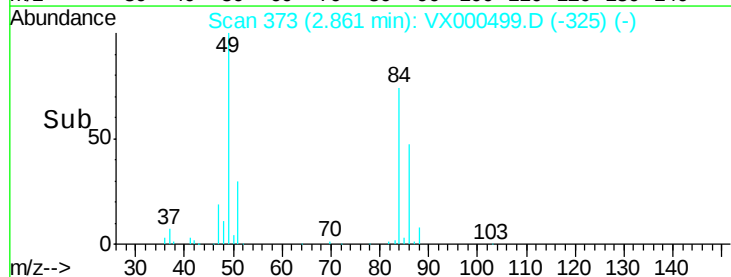
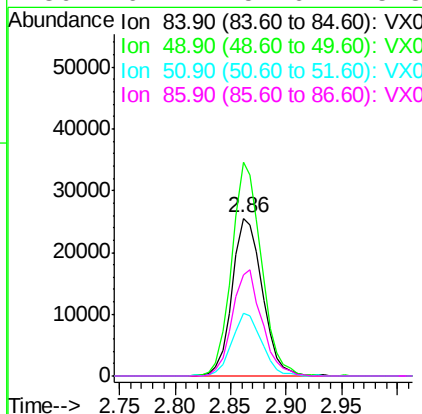
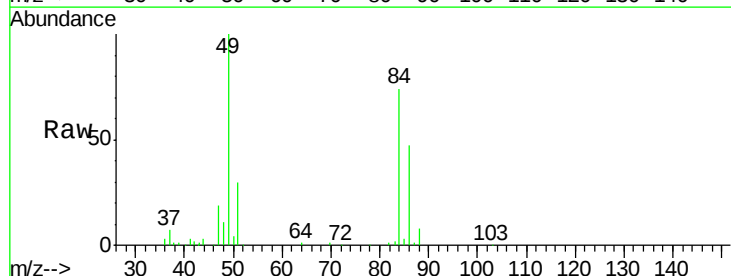
Instrument :
MSVOA_X
ClientSampleID :
TP-5-DB

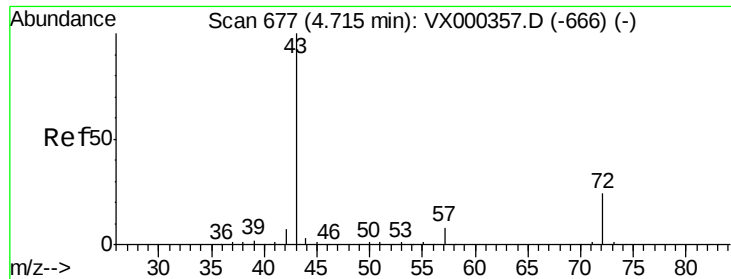
Tgt Ion: 43 Resp: 550
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 37.90 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000499.D
Acq: 28 Mar 2018 19:42

Tgt Ion: 84 Resp: 47973
Ion Ratio Lower Upper
84 100
49 135.6 100.6 151.0
51 40.1 31.6 47.4
86 64.1 52.6 78.8





#25

2-Butanone

Concen: 1.03 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

Instrument :

MSVOA_X

ClientSampled :

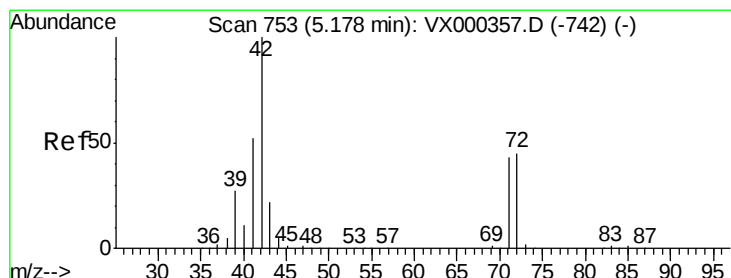
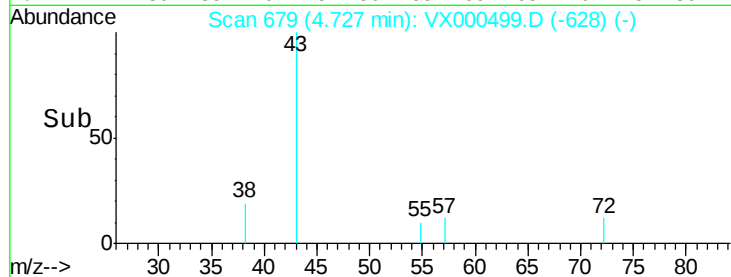
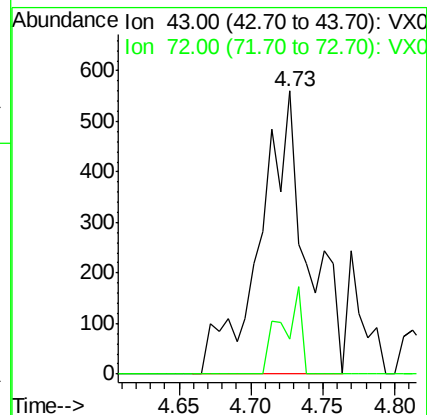
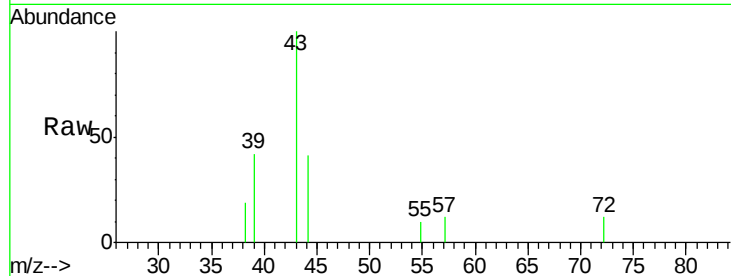
TP-5-DB

Tgt Ion: 43 Resp: 1270

Ion Ratio Lower Upper

43 100

72 12.3 21.0 31.6#



#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

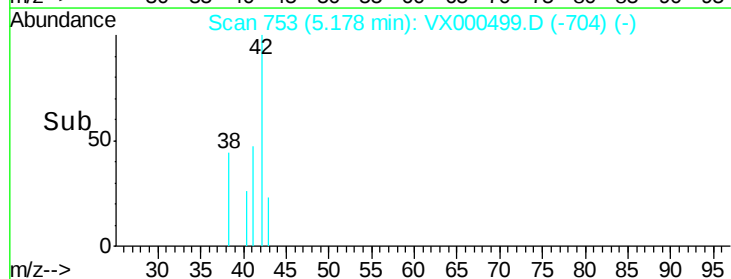
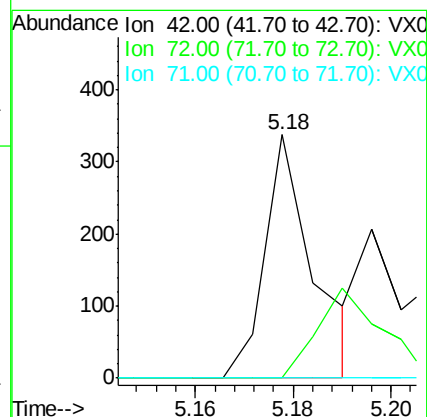
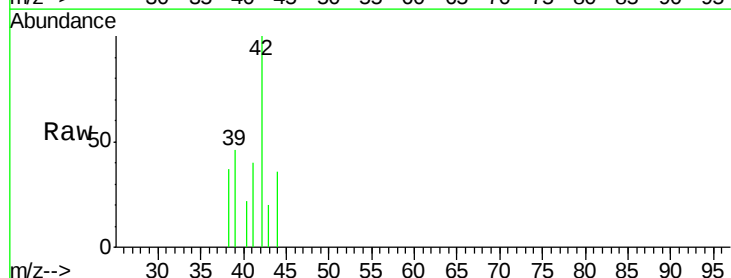
Tgt Ion: 42 Resp: 231

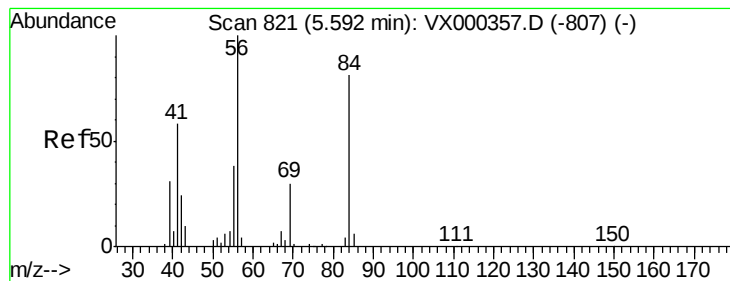
Ion Ratio Lower Upper

42 100

72 49.8 37.9 56.9

71 0.0 34.4 51.6#





#31

Cyclohexane

Concen: 1.63 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

Instrument :

MSVOA_X

ClientSampled :

TP-5-DB

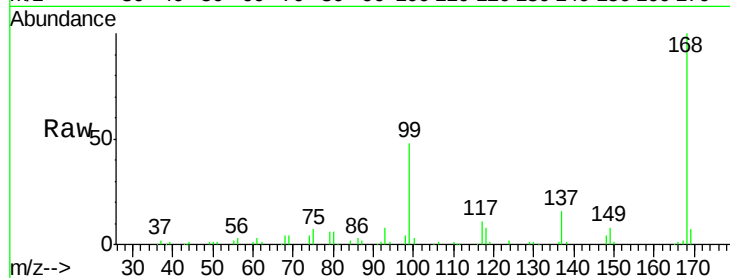
Tgt Ion: 56 Resp: 2708

Ion Ratio Lower Upper

56 100

69 122.1 23.4 35.0#

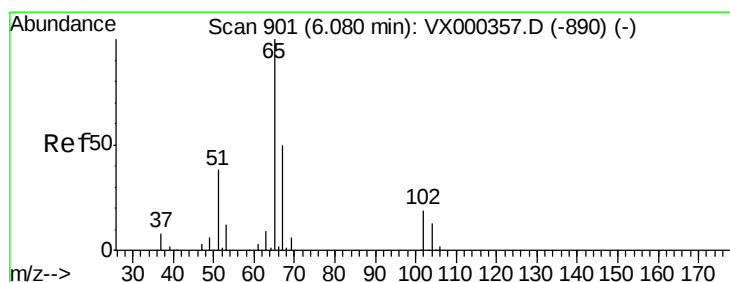
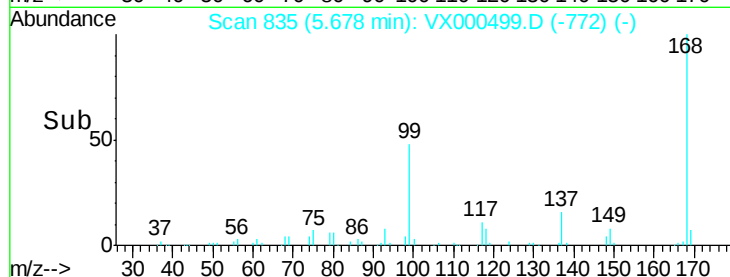
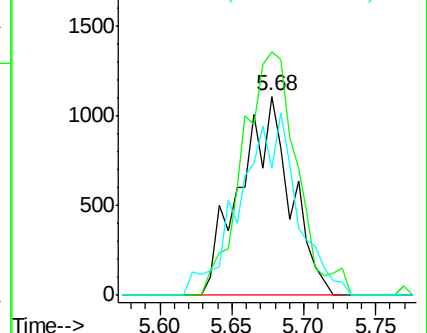
84 57.3 71.0 106.4#



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: 56.36 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000499.D

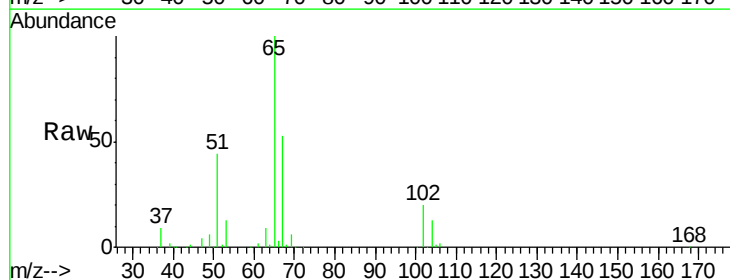
Acq: 28 Mar 2018 19:42

Tgt Ion: 65 Resp: 74242

Ion Ratio Lower Upper

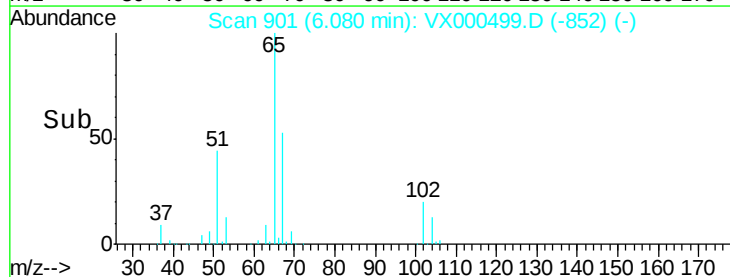
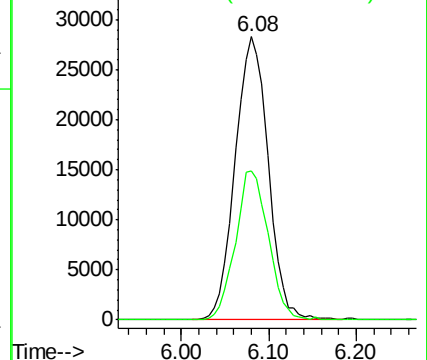
65 100

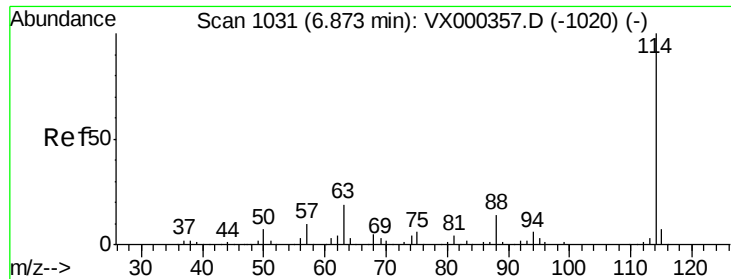
67 52.3 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

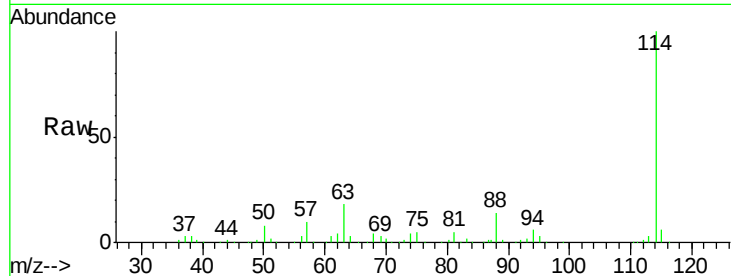




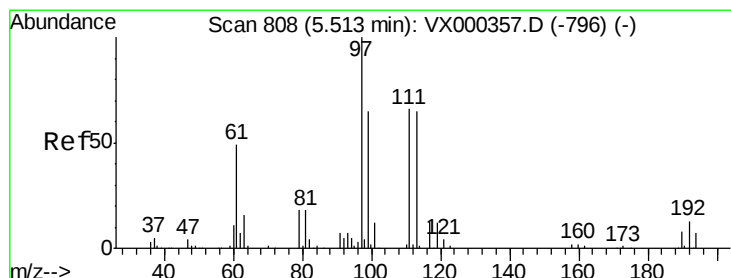
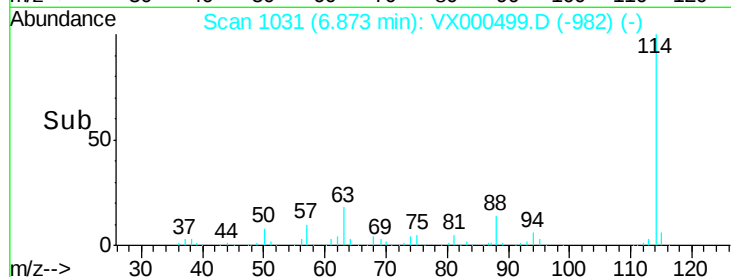
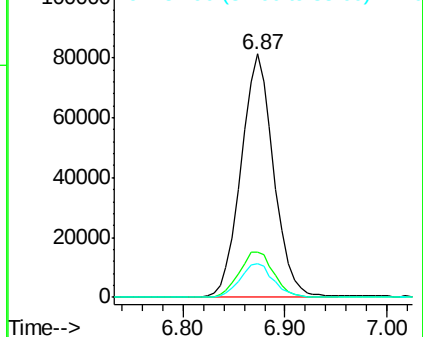
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000499.D
 Acq: 28 Mar 2018 19:42

Instrument :
 MSVOA_X
 ClientSampled :
 TP-5-DB

Tgt Ion:114 Resp: 180712
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 13.9 0.0 27.0

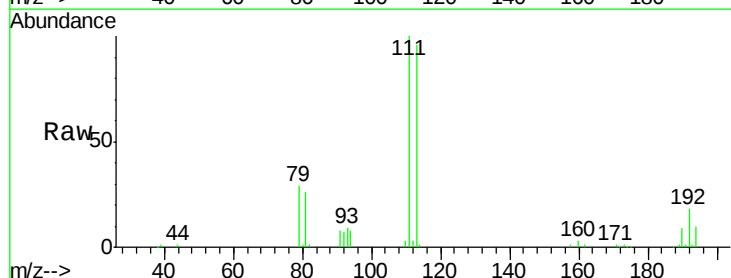


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

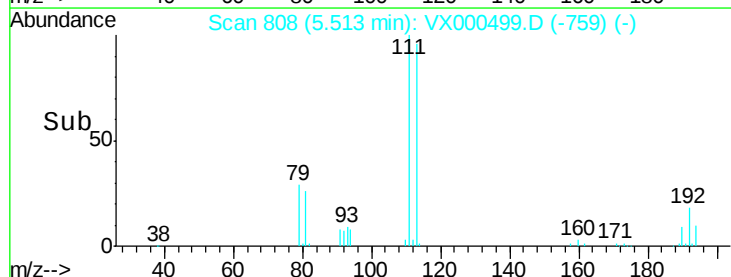
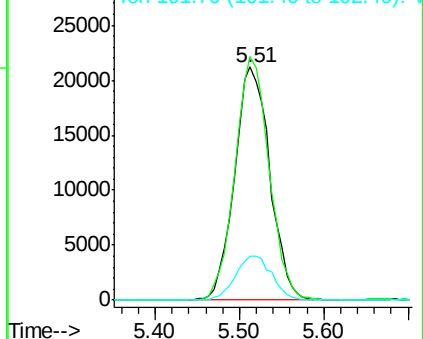


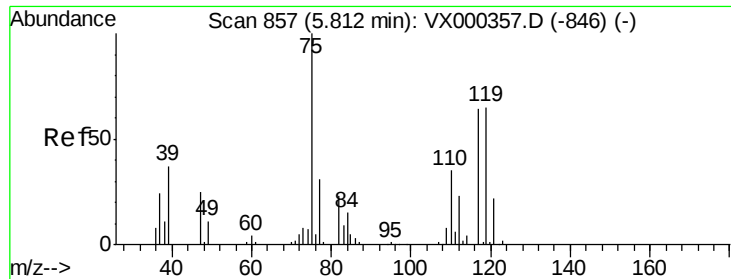
#35
 Dibromofluoromethane
 Concen: 52.65 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000499.D
 Acq: 28 Mar 2018 19:42

Tgt Ion:113 Resp: 59951
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.4 123.6
 192 19.6 15.8 23.6



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: 4.83 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

TP-5-DB

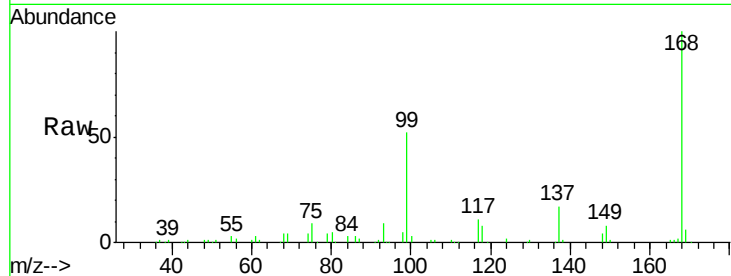
Tgt Ion: 75 Resp: 8184

Ion Ratio Lower Upper

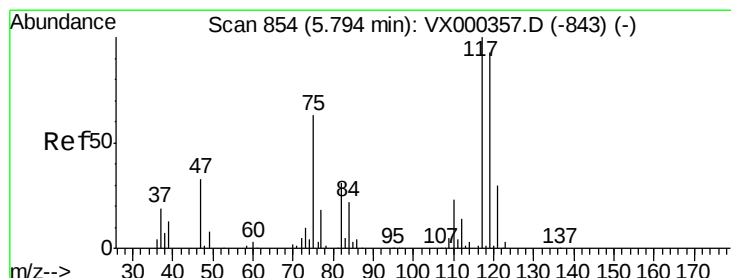
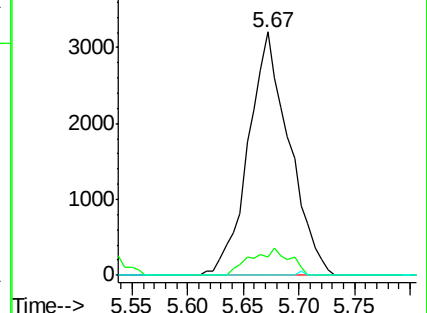
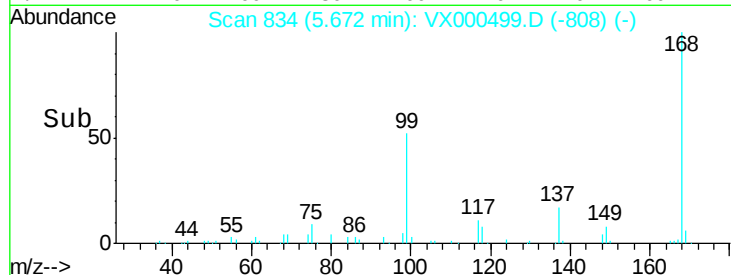
75 100

110 10.7 17.9 53.7#

77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VX000499.D (-808) (-)



#38

Carbon Tetrachloride

Concen: 5.48 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

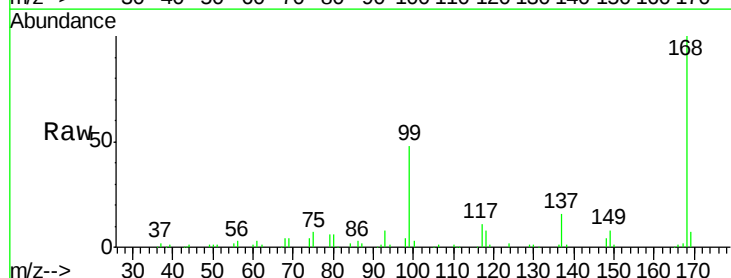
Tgt Ion: 117 Resp: 9733

Ion Ratio Lower Upper

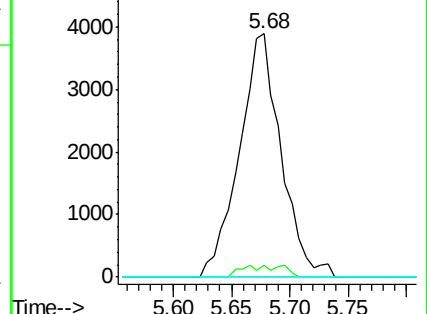
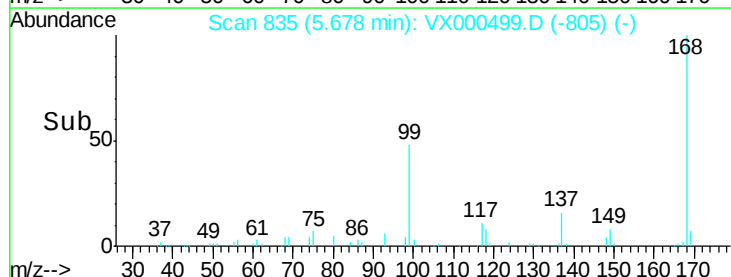
117 100

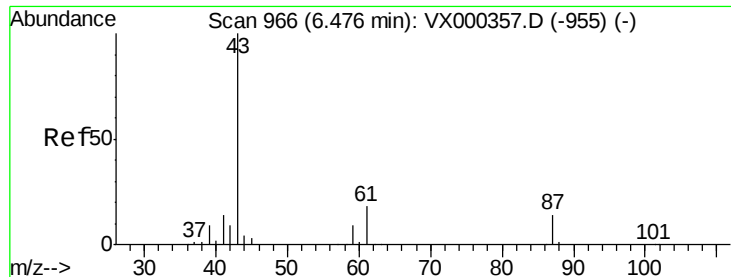
119 5.1 77.4 116.2#

121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): VX000499.D (-805) (-)





#43

Isopropyl Acetate

Concen: 0.29 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

TP-5-DB

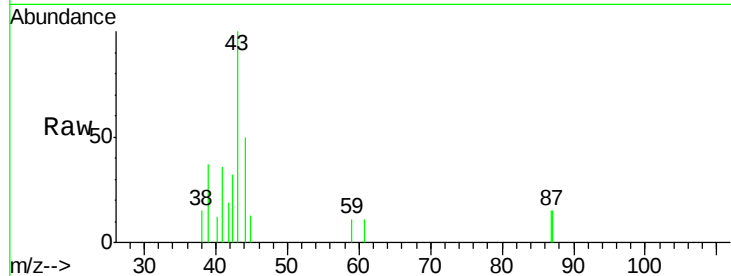
Tgt Ion: 43 Resp: 995

Ion Ratio Lower Upper

43 100

61 7.0 14.4 21.6#

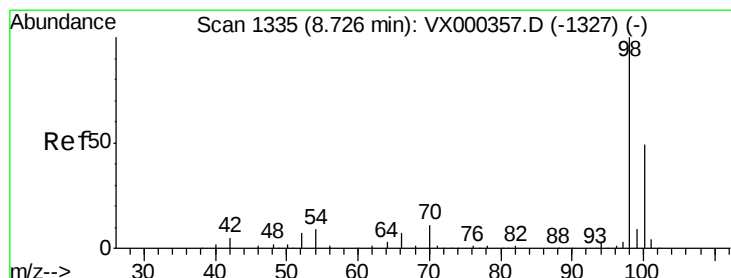
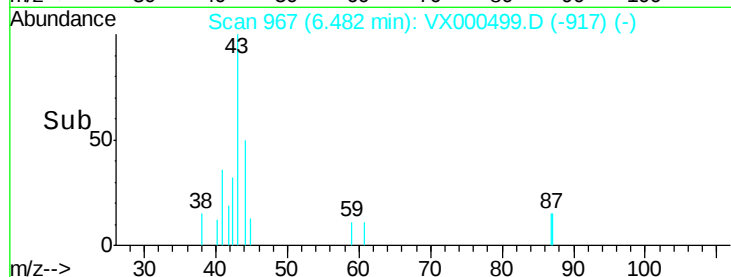
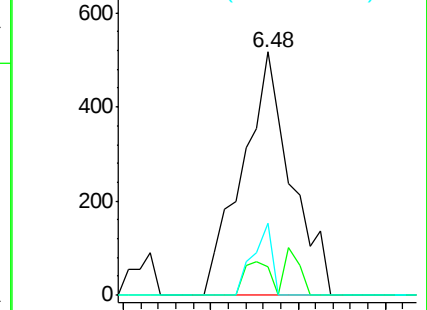
87 11.6 11.0 16.4



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: 49.77 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000499.D

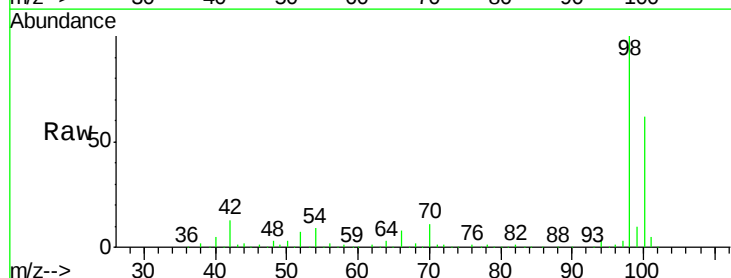
Acq: 28 Mar 2018 19:42

Tgt Ion: 98 Resp: 234686

Ion Ratio Lower Upper

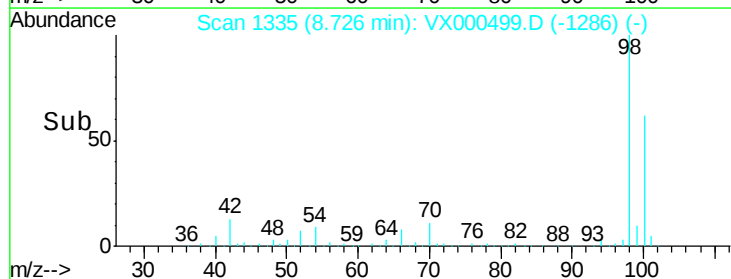
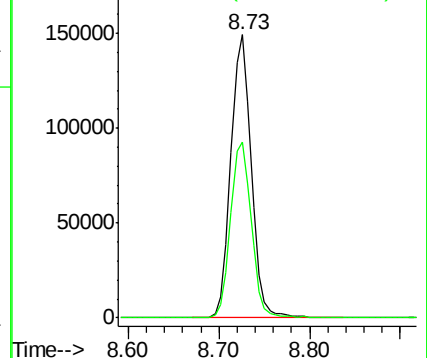
98 100

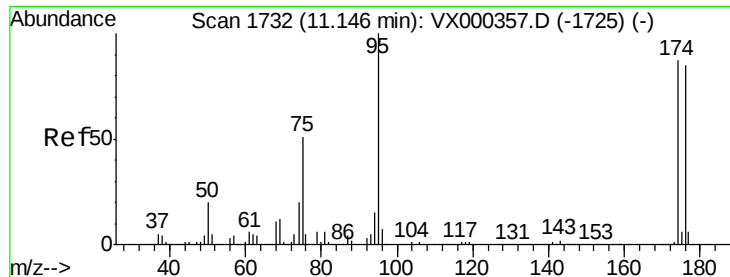
100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 41.77 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

TP-5-DB

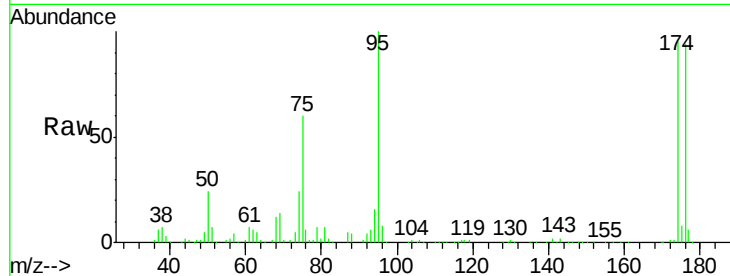
Tgt Ion: 95 Resp: 80919

Ion Ratio Lower Upper

95 100

174 92.3 0.0 173.6

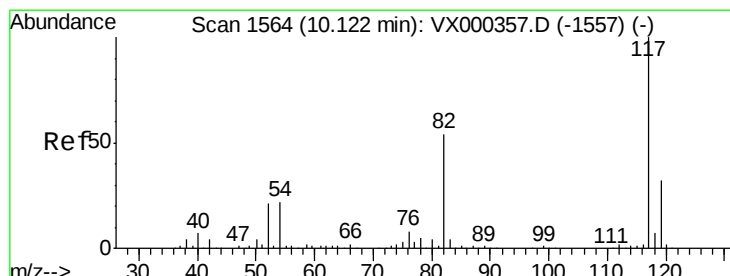
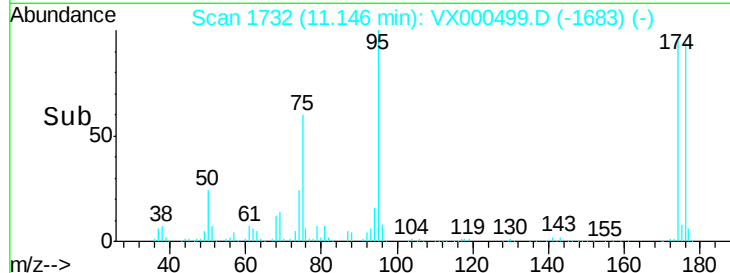
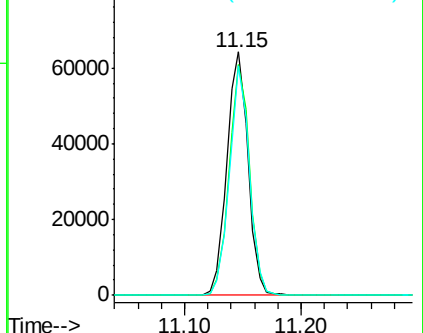
176 89.4 0.0 164.6



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: VX000499.D

Acq: 28 Mar 2018 19:42

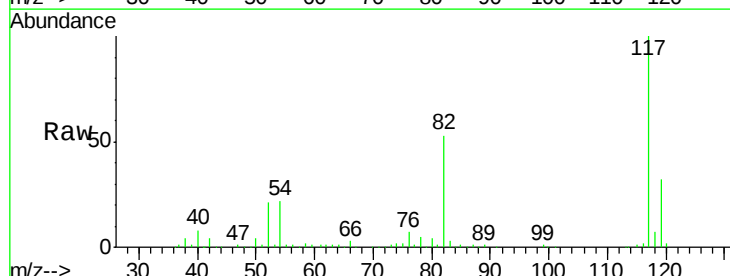
Tgt Ion: 117 Resp: 186358

Ion Ratio Lower Upper

117 100

82 53.2 43.8 65.8

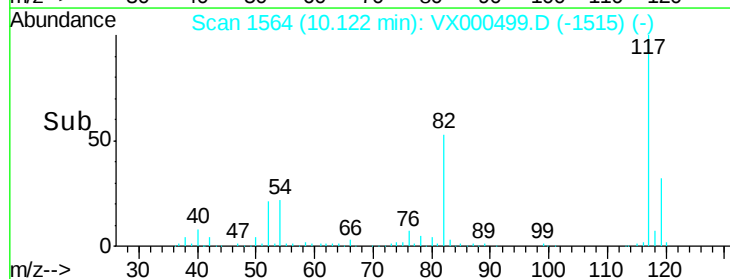
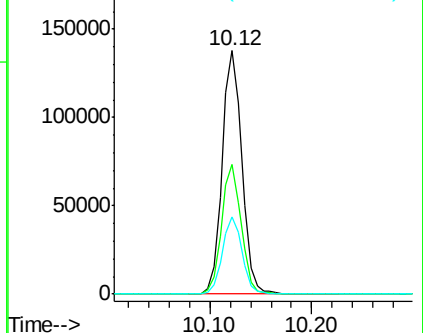
119 31.7 24.9 37.3

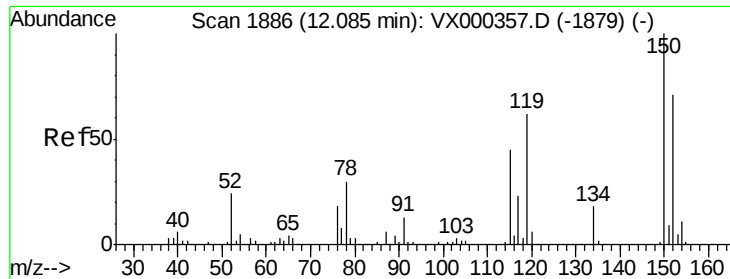


Abundance Ion 116.90 (116.60 to 117.60): V

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. -0.00 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

TP-5-DB

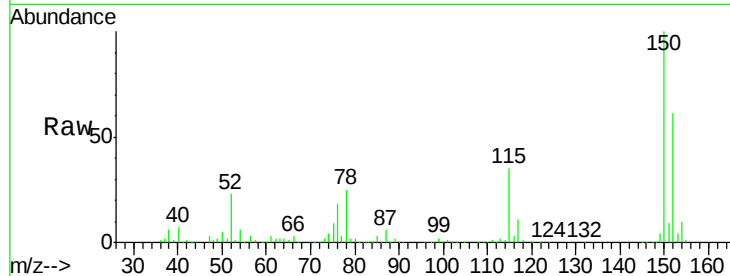
Tgt Ion:152 Resp: 98320

Ion Ratio Lower Upper

152 100

115 55.7 39.8 119.3

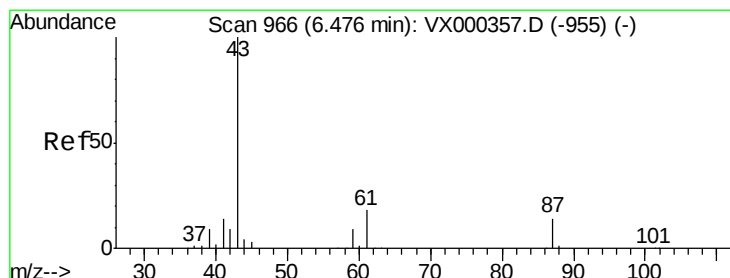
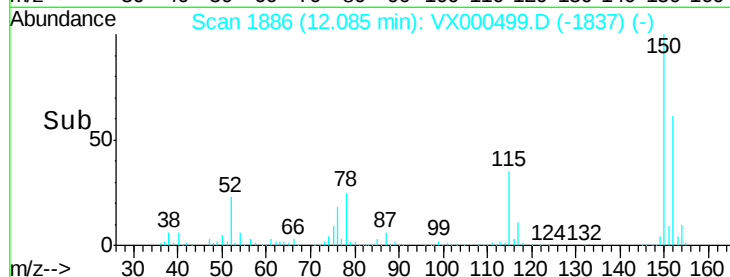
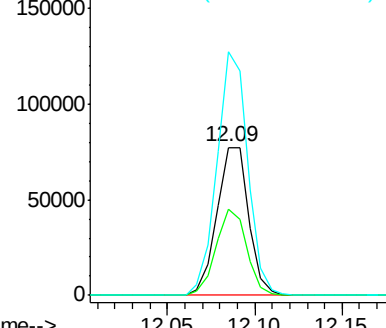
150 158.7 0.0 344.4



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: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

Tgt Ion: 43 Resp: 995

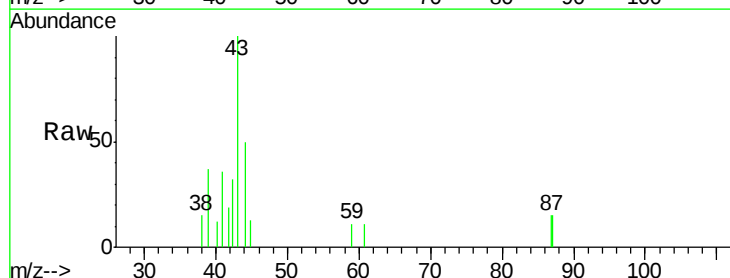
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 7.0 14.4 21.6#

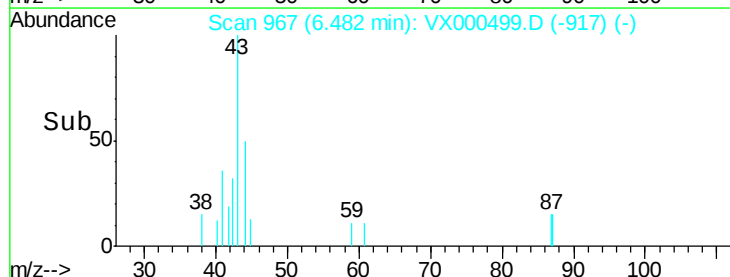
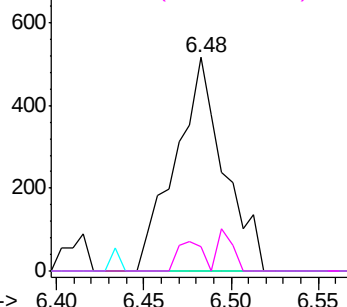


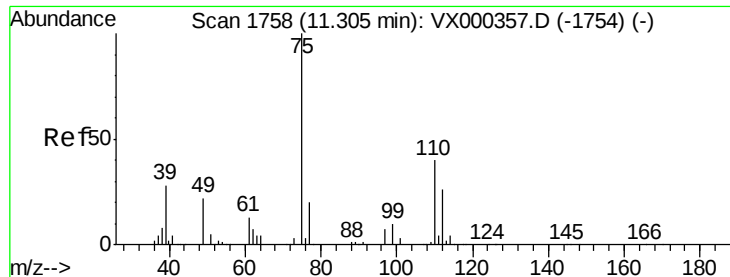
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.03 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

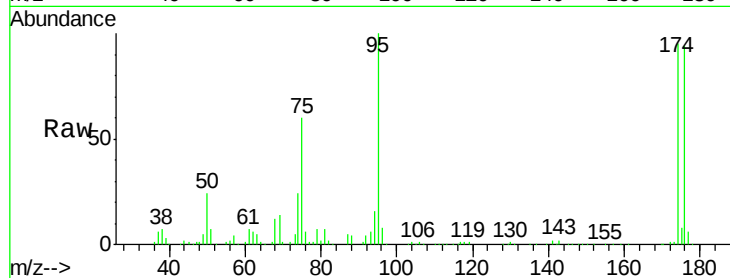
TP-5-DB

Tgt Ion: 75 Resp: 46549

Ion Ratio Lower Upper

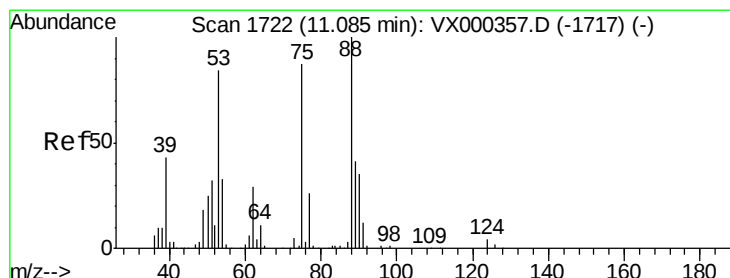
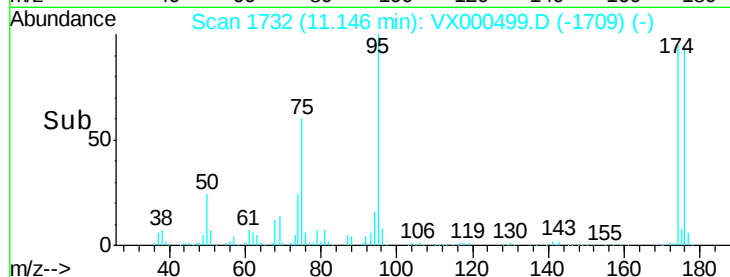
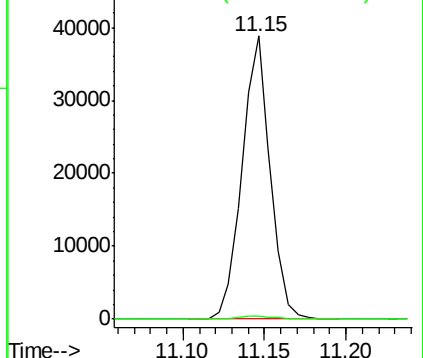
75 100

77 1.3 21.4 64.2#



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: 71.32 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000499.D

Acq: 28 Mar 2018 19:42

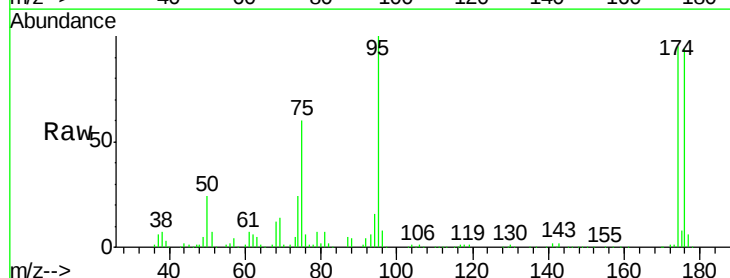
Tgt Ion: 75 Resp: 46549

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



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

