

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032118\
 Data File : VX000381.D
 Acq On : 21 Mar 2018 13:30
 Operator : JC/MD
 Sample : J1995-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PIT-A-0-5

Quant Time: Mar 22 05:28:30 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	108897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	188687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	178873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	85894	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	75826	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
35) Dibromofluoromethane	5.51	113	59364	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	8.73	98	235362	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	11.15	95	78784	39.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.72%	

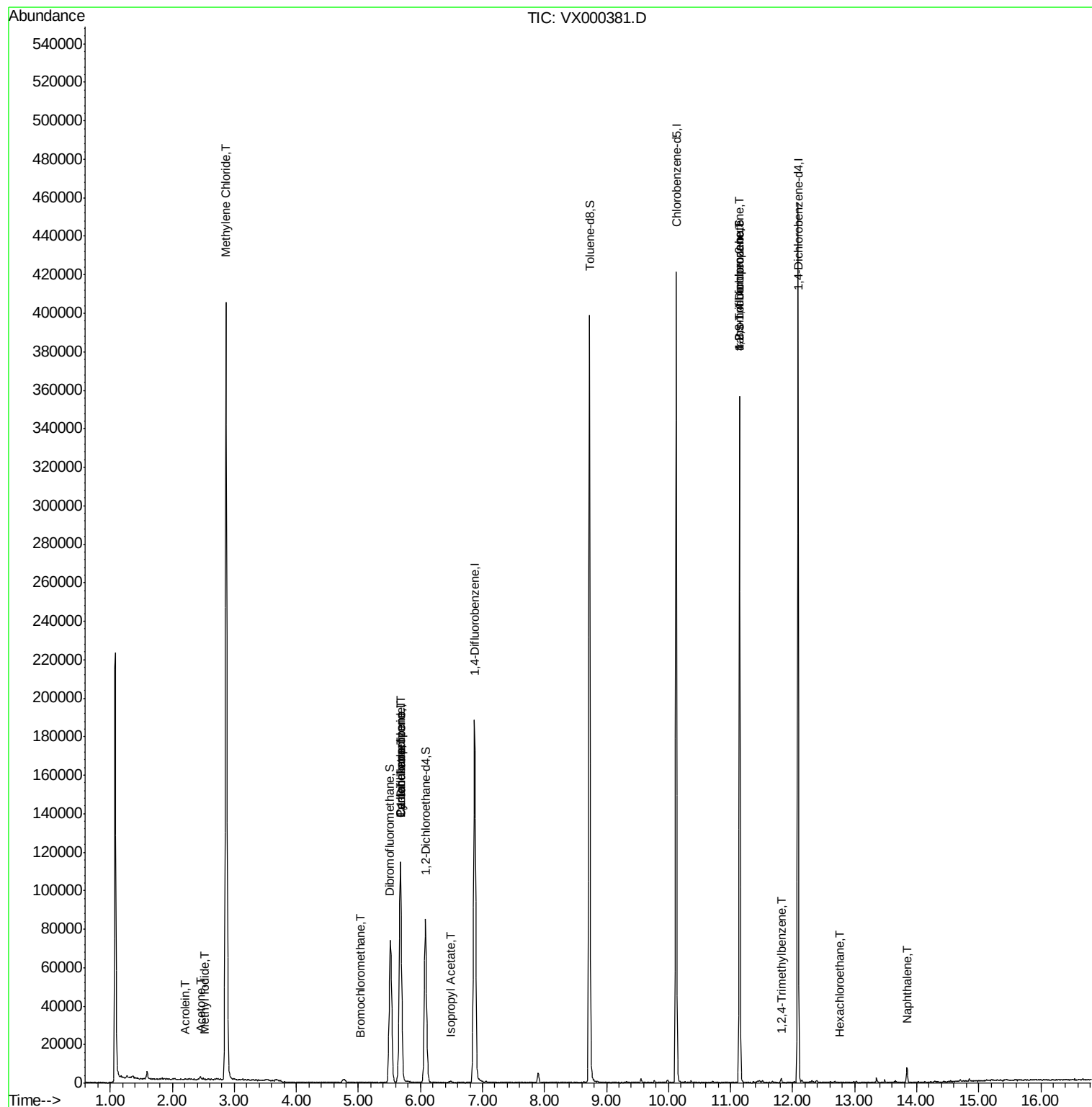
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	139	Below Cal	#	44
10) Methyl Iodide	2.52	142	79	4.33	ug/l #	90
13) Acrolein	2.20	56	55	14.91	ug/l #	13
16) Acetone	2.45	43	2045	1.73	ug/l	96
20) Methylene Chloride	2.87	84	176027	128.88	ug/l	99
28) Bromochloromethane	5.03	49	442	0.46	ug/l #	52
31) Cyclohexane	5.68	56	2634	1.47	ug/l #	66
36) 1,1-Dichloropropene	5.67	75	8475	4.80	ug/l #	51
38) Carbon Tetrachloride	5.68	117	11159	6.02	ug/l #	17
43) Isopropyl Acetate	6.48	43	925	0.26	ug/l #	65
74) N-amyl acetate	6.48	43	925	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	45118	24.44	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	45118	79.13	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	1315	0.26	ug/l	97
90) Hexachloroethane	12.76	117	227	0.27	ug/l #	12
95) Naphthalene	13.84	128	4658	0.66	ug/l	97

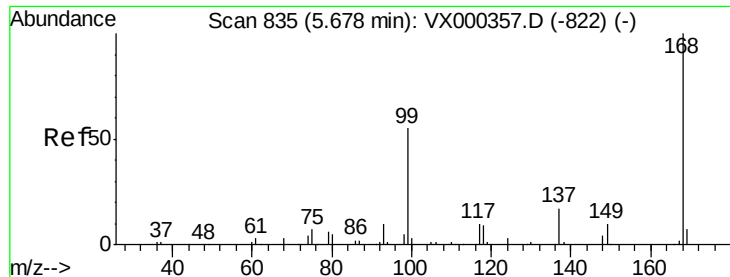
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

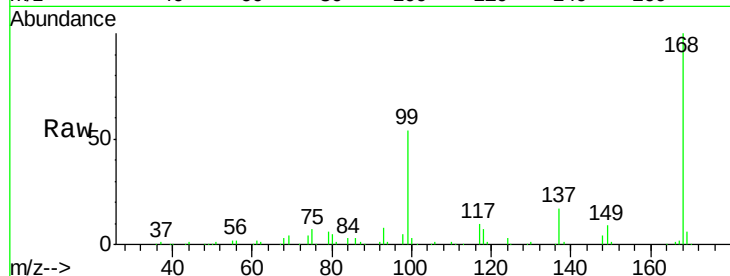
PIT-A-0-5

Tgt Ion:168 Resp: 108897

Ion Ratio Lower Upper

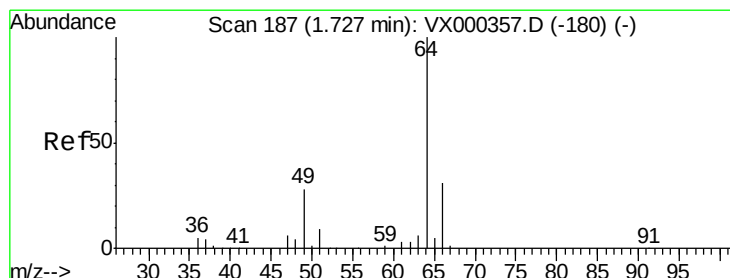
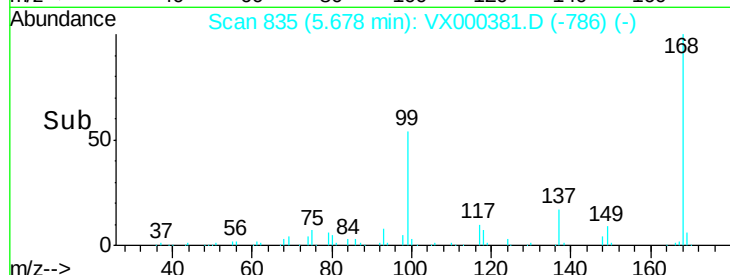
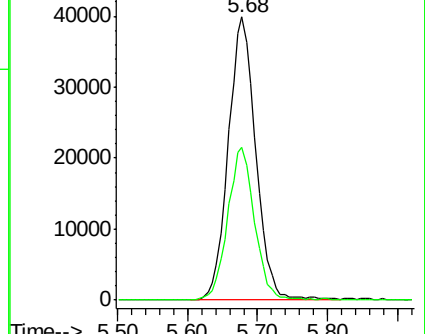
168 100

99 54.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000381.D

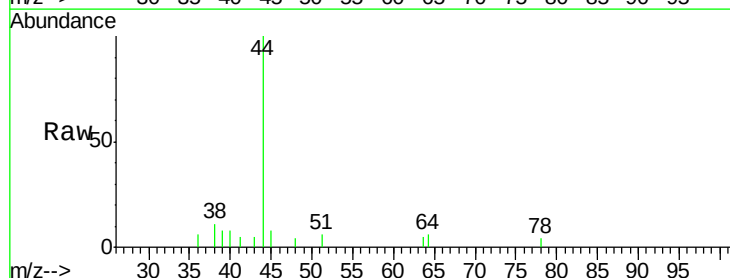
Acq: 21 Mar 2018 13:30

Tgt Ion: 64 Resp: 139

Ion Ratio Lower Upper

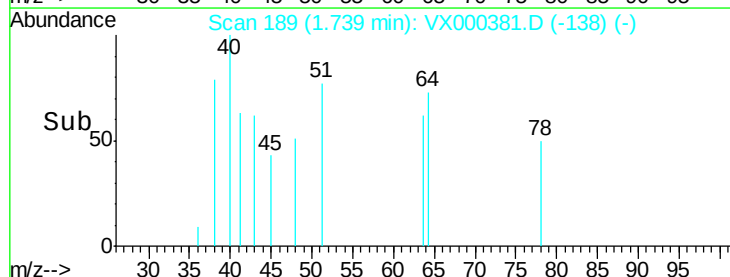
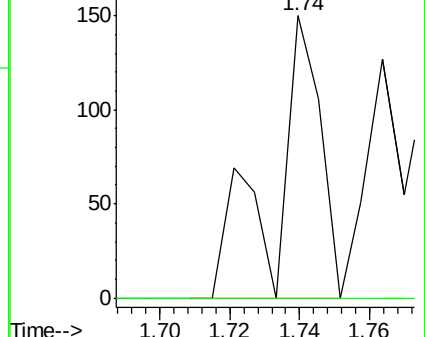
64 100

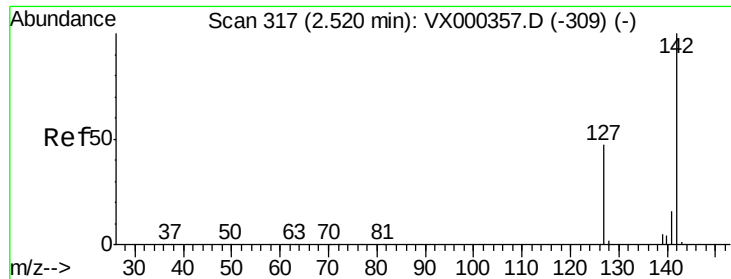
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

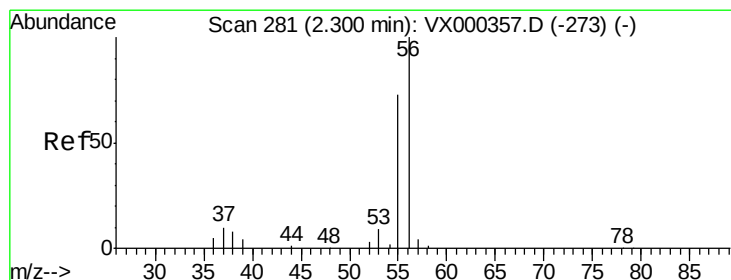
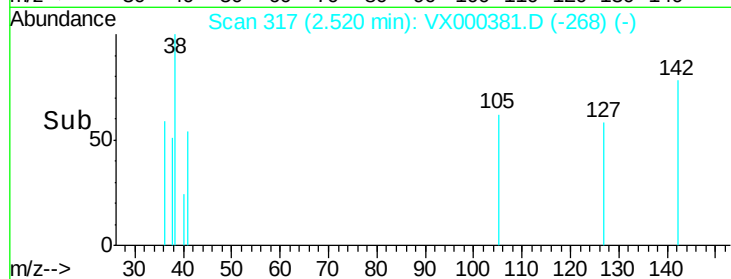
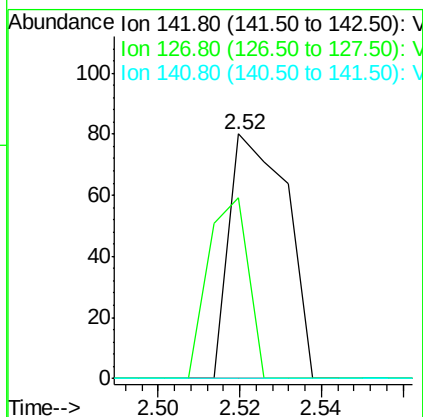
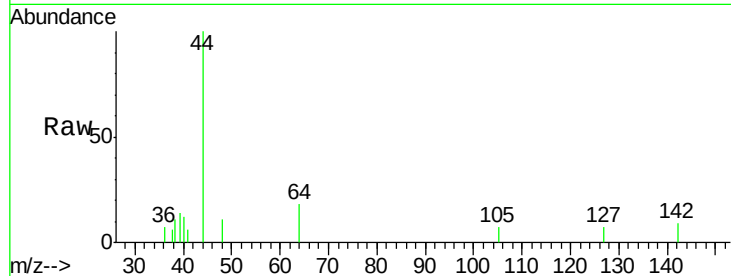




#10
Methyl Iodide
Concen: 4.33 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000381.D
Acq: 21 Mar 2018 13:30

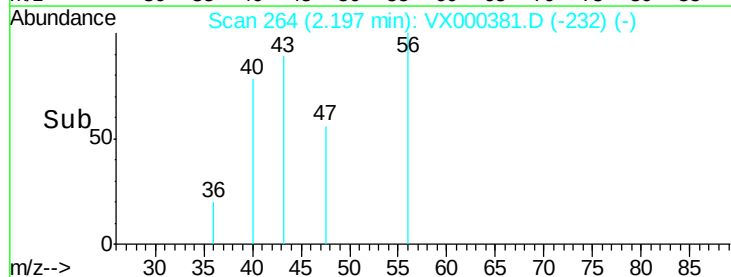
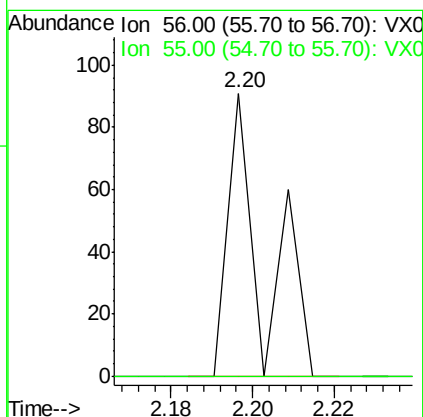
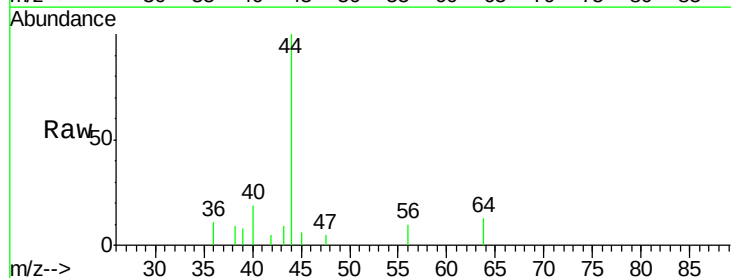
Instrument :
MSVOA_X
ClientSampled :
PIT-A-0-5

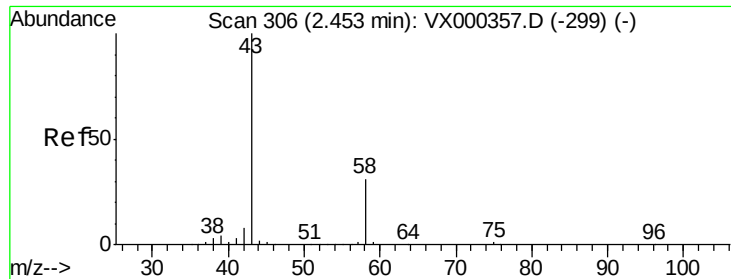
Tgt Ion: 142 Resp: 79
Ion Ratio Lower Upper
142 100
127 50.6 39.2 58.8
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 14.91 ug/l
RT: 2.20 min Scan# 264
Delta R.T. -0.10 min
Lab File: VX000381.D
Acq: 21 Mar 2018 13:30

Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 58.8 88.2#





#16

Acetone

Concen: 1.73 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

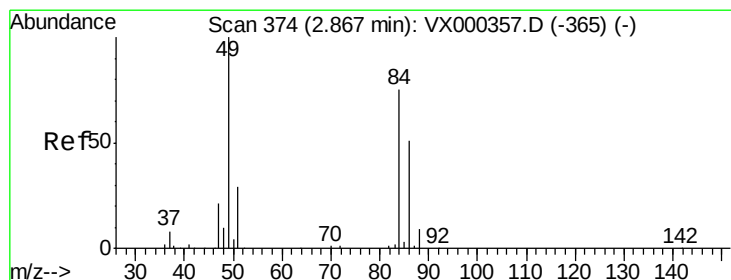
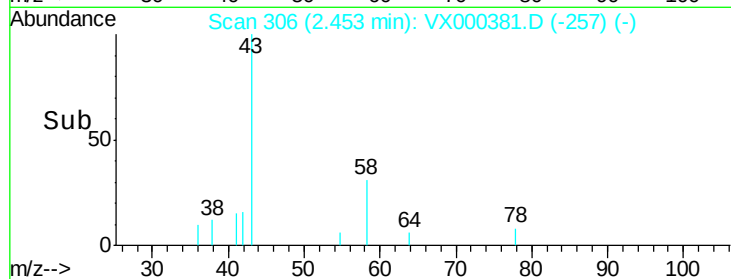
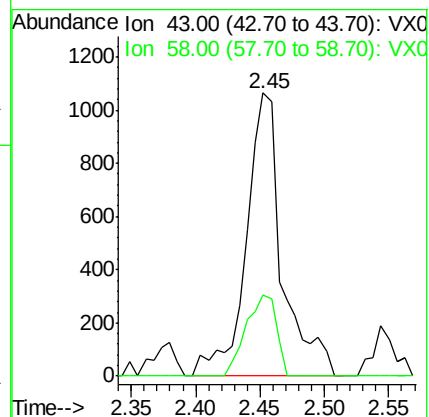
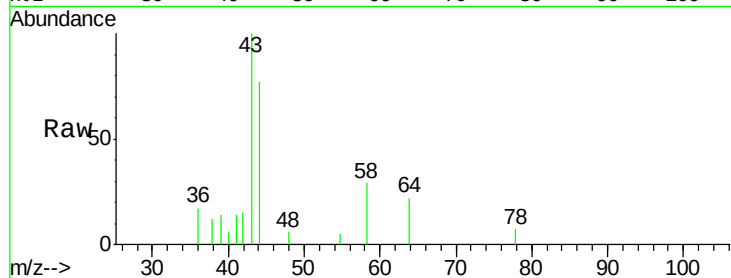
PIT-A-0-5

Tgt Ion: 43 Resp: 2045

Ion Ratio Lower Upper

43 100

58 28.8 24.7 37.1



#20

Methylene Chloride

Concen: 128.88 ug/l

RT: 2.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Tgt Ion: 84 Resp: 176027

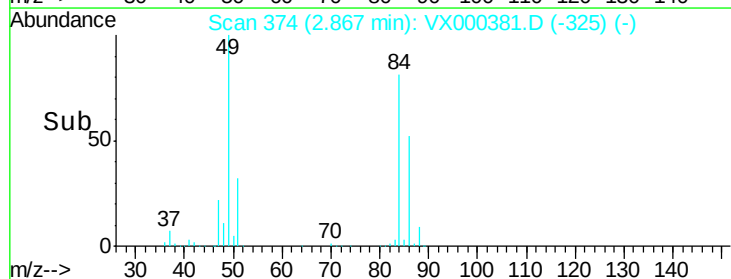
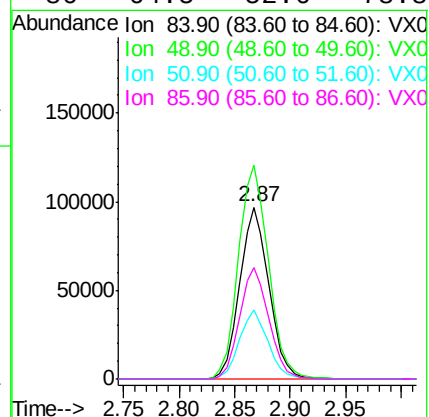
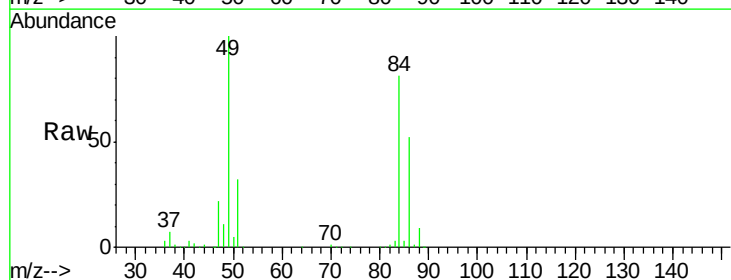
Ion Ratio Lower Upper

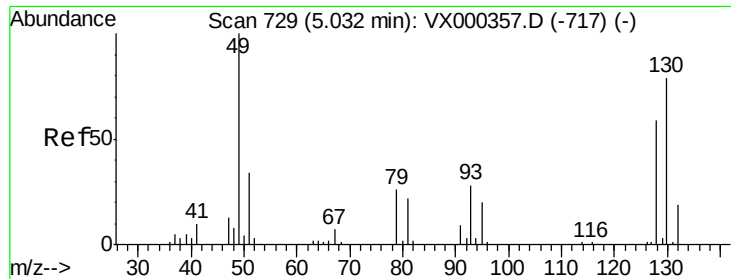
84 100

49 124.2 100.6 151.0

51 40.0 31.6 47.4

86 64.5 52.6 78.8





#28

Bromochloromethane

Concen: 0.46 ug/l

RT: 5.03 min Scan# 729

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

PIT-A-0-5

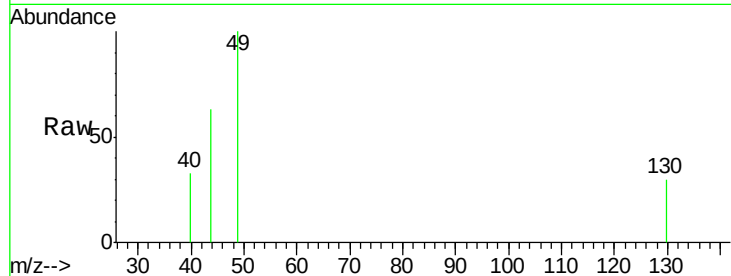
Tgt Ion: 49 Resp: 442

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

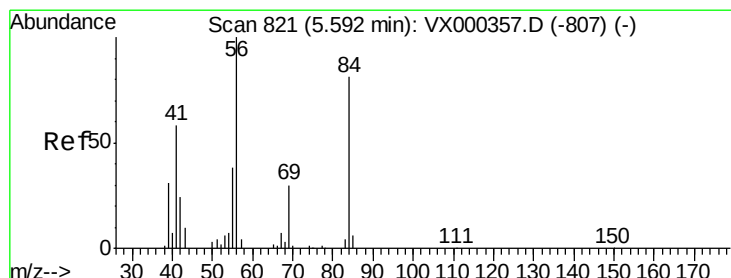
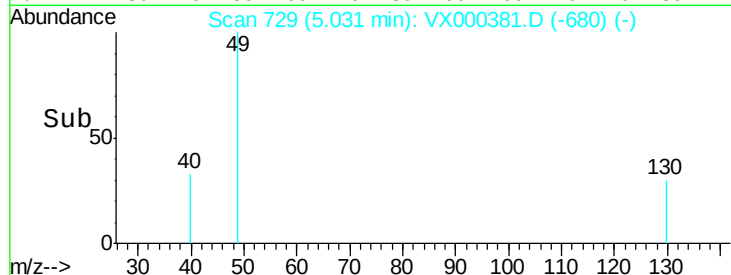
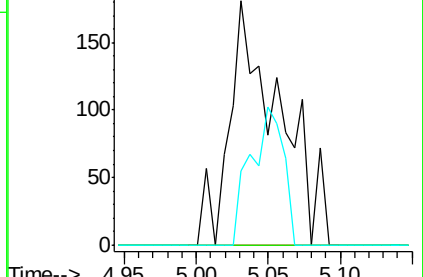
130 36.2 64.0 96.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.47 ug/l

RT: 5.68 min Scan# 836

Delta R.T. 0.09 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

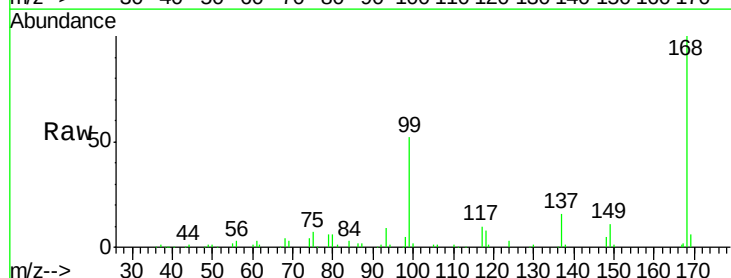
Tgt Ion: 56 Resp: 2634

Ion Ratio Lower Upper

56 100

69 97.9 23.4 35.0#

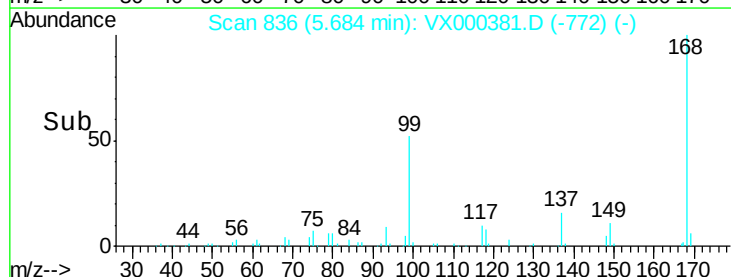
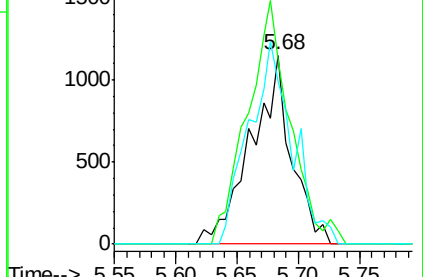
84 86.2 71.0 106.4

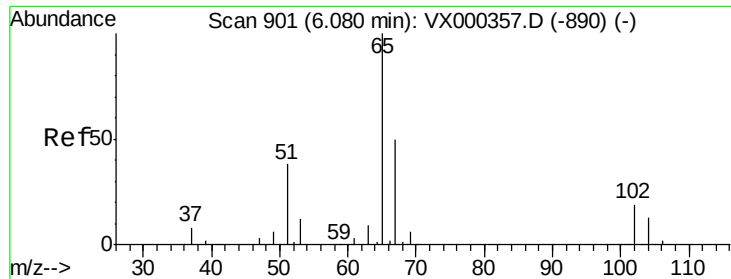


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

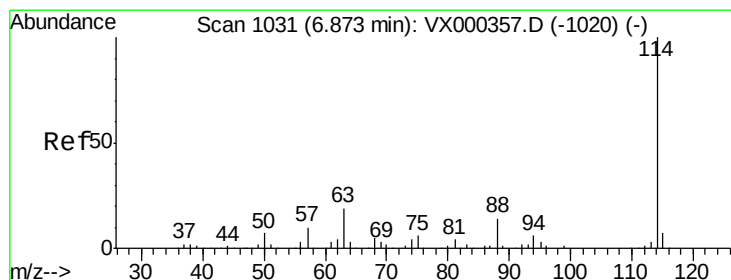
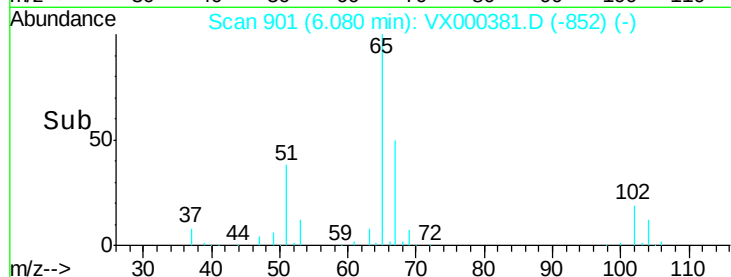
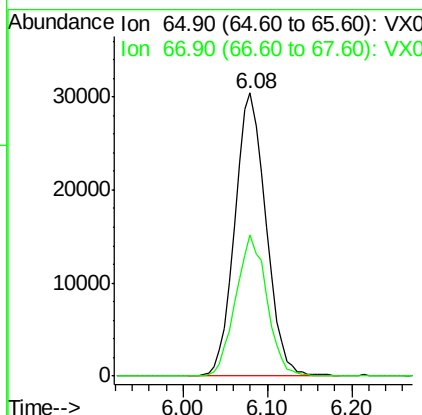
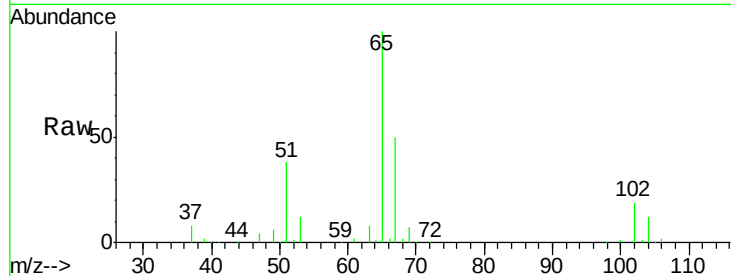




#33
 1,2-Dichloroethane-d4
 Concen: 53.34 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000381.D
 Acq: 21 Mar 2018 13:30

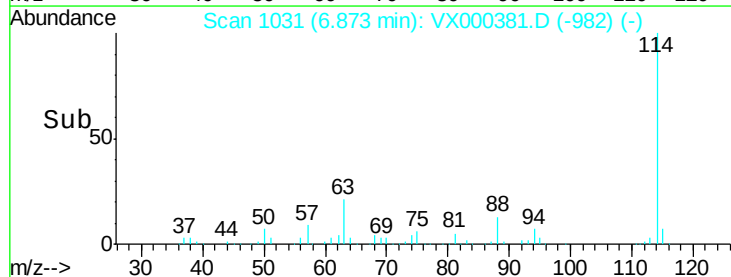
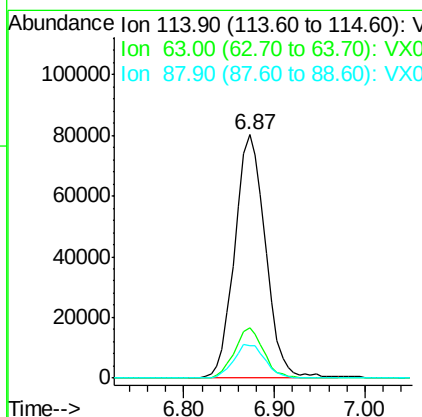
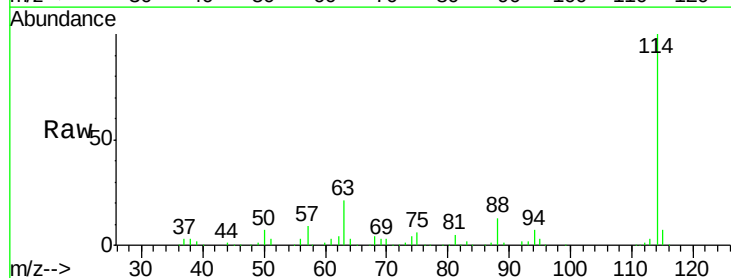
Instrument :
 MSVOA_X
 ClientSampleId :
 PIT-A-0-5

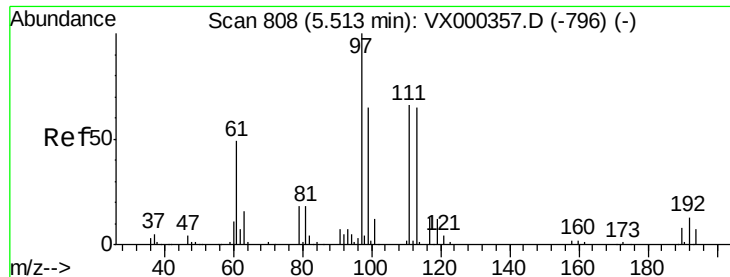
Tgt Ion: 65 Resp: 75826
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000381.D
 Acq: 21 Mar 2018 13:30

Tgt Ion: 114 Resp: 188687
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.4
 88 13.4 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.93 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

PIT-A-0-5

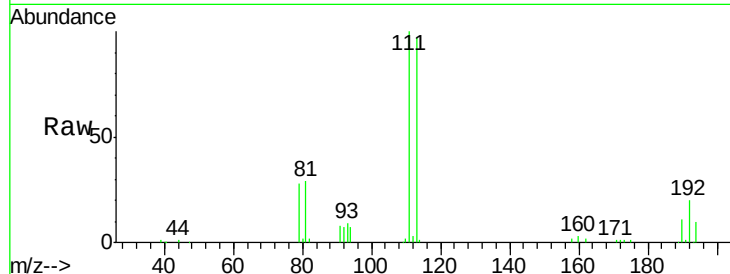
Tgt Ion:113 Resp: 59364

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

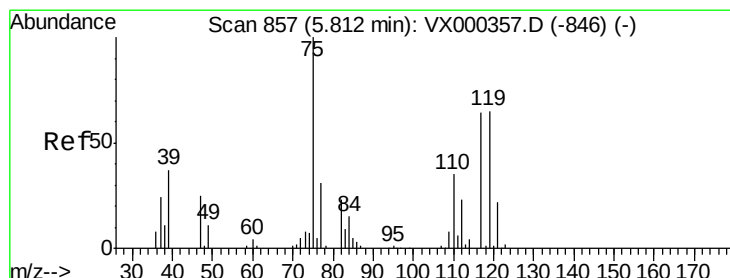
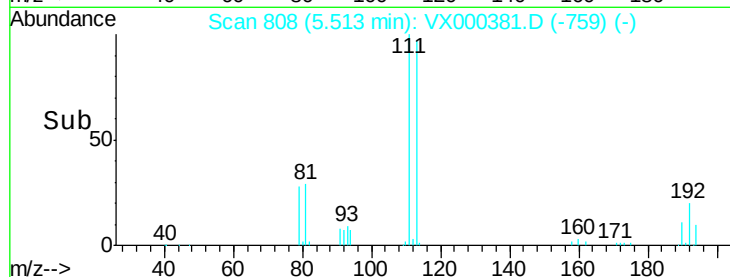
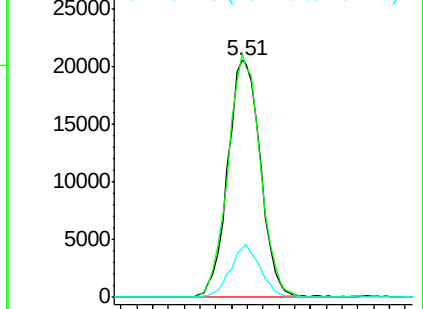
192 20.4 15.8 23.6



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: 4.80 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

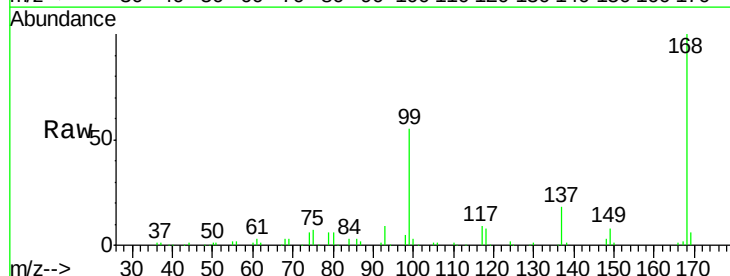
Tgt Ion: 75 Resp: 8475

Ion Ratio Lower Upper

75 100

110 9.9 17.9 53.7#

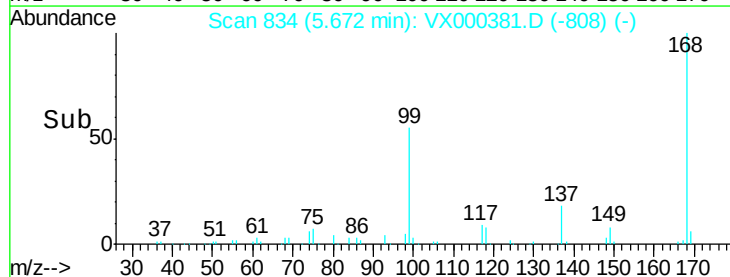
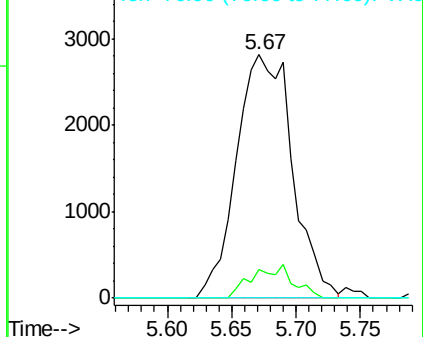
77 0.0 24.0 36.0#

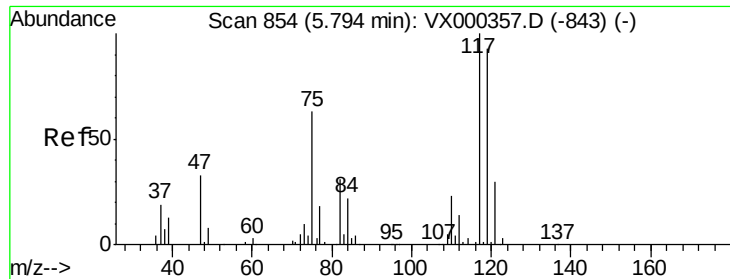


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.02 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

PIT-A-0-5

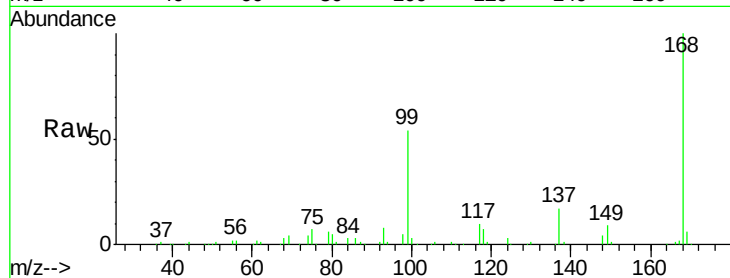
Tgt Ion: 117 Resp: 11159

Ion Ratio Lower Upper

117 100

119 6.9 77.4 116.2#

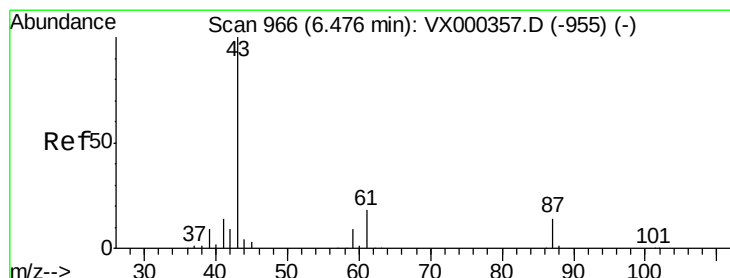
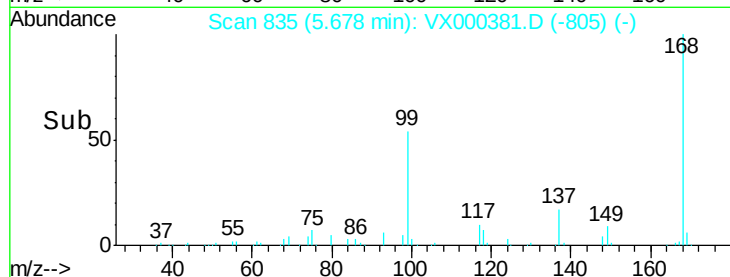
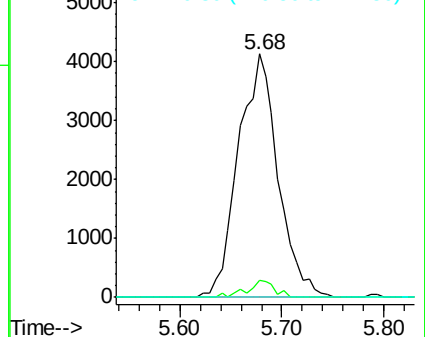
121 0.0 24.8 37.2#



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: 0.26 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

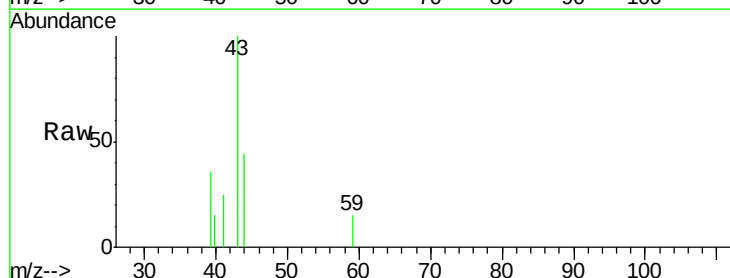
Tgt Ion: 43 Resp: 925

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

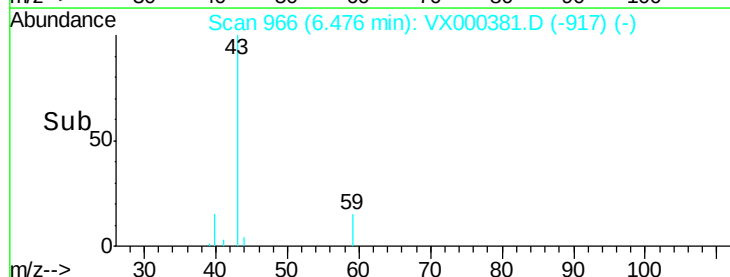
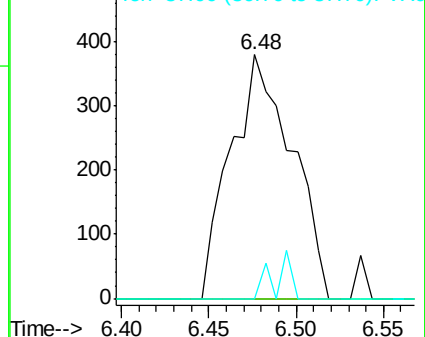
87 2.2 11.0 16.4#

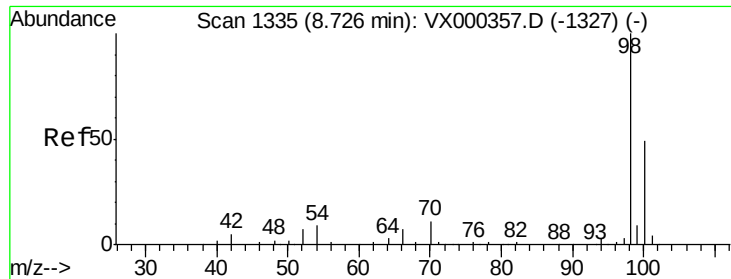


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

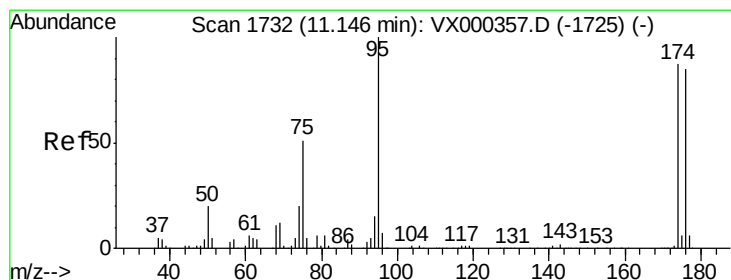
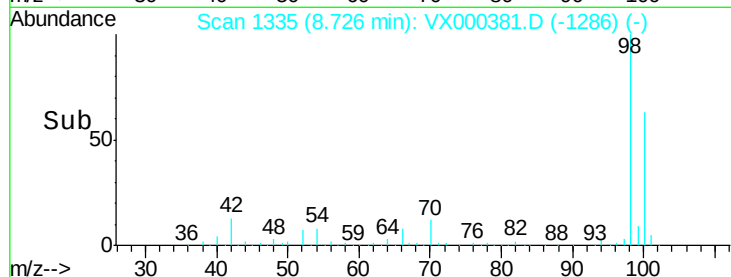
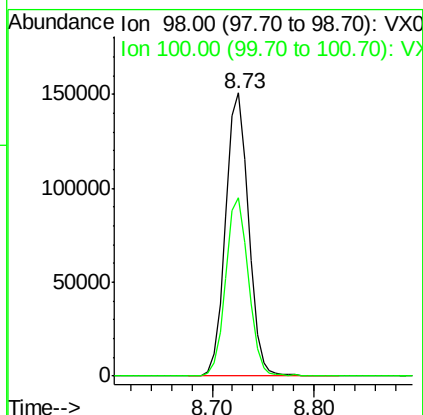
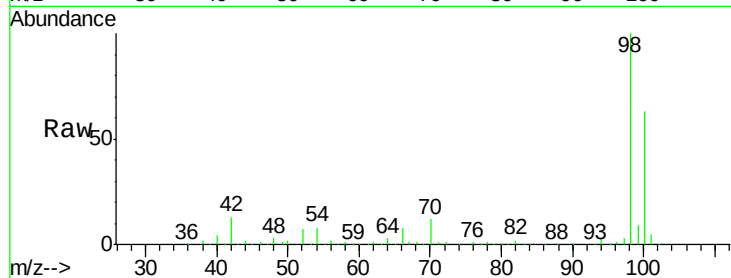




#50
Toluene-d8
Concen: 47.80 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000381.D
Acq: 21 Mar 2018 13:30

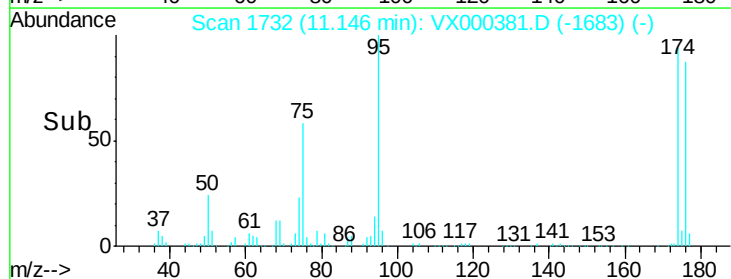
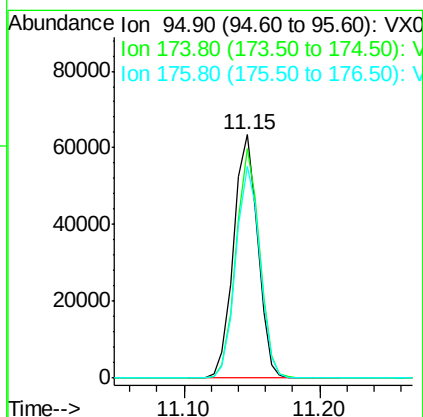
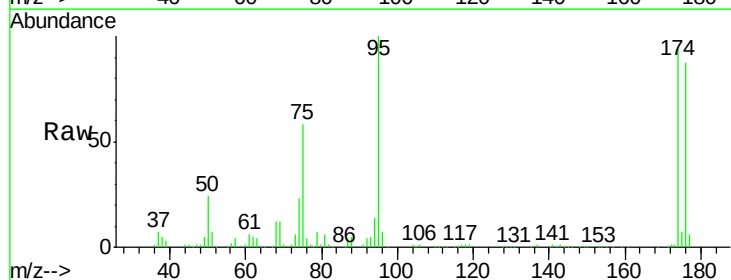
Instrument :
MSVOA_X
ClientSampleId :
PIT-A-0-5

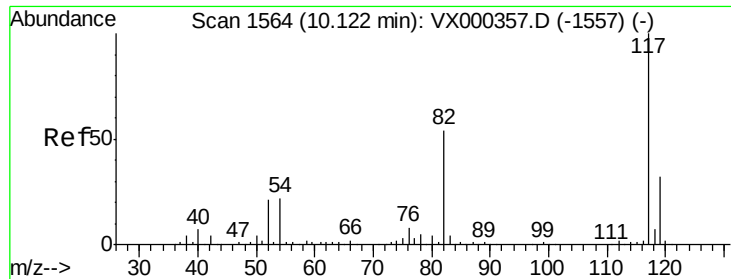
Tgt Ion: 98 Resp: 235362
Ion Ratio Lower Upper
98 100
100 62.7 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 39.36 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000381.D
Acq: 21 Mar 2018 13:30

Tgt Ion: 95 Resp: 78784
Ion Ratio Lower Upper
95 100
174 91.5 0.0 173.6
176 86.5 0.0 164.6

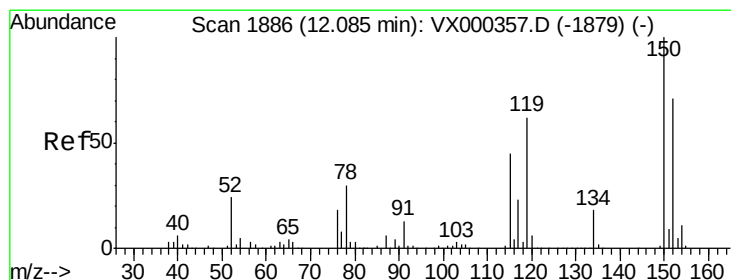
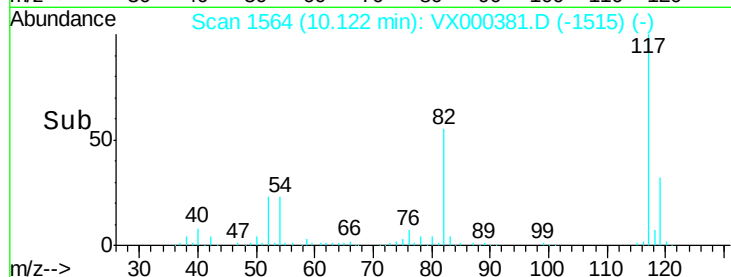
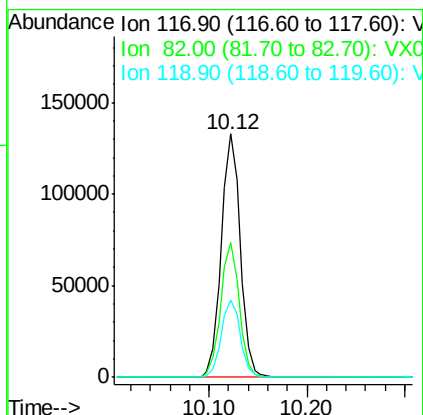
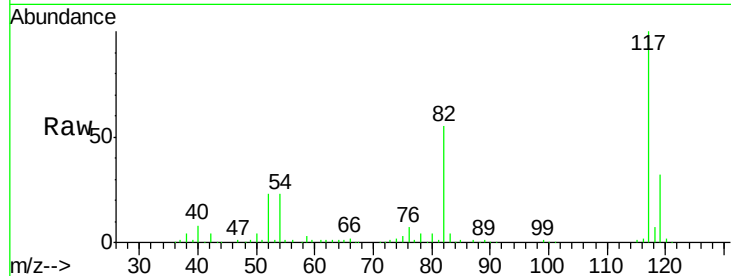




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000381.D
Acq: 21 Mar 2018 13:30

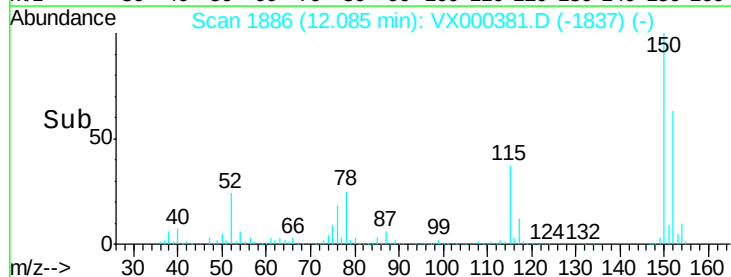
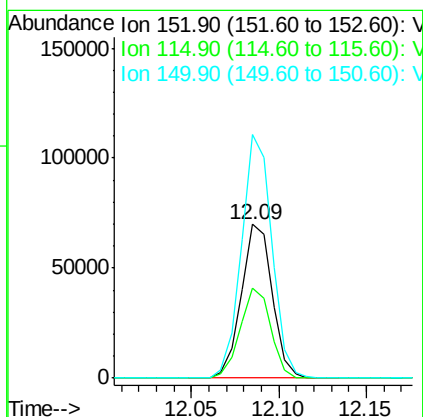
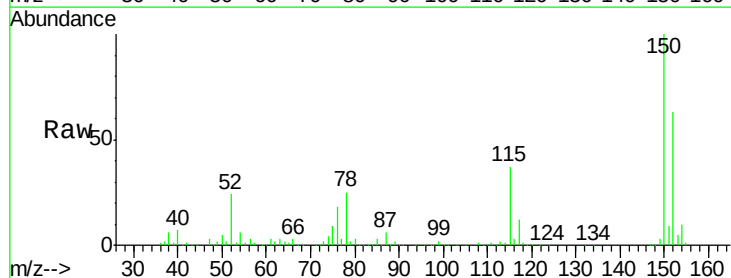
Instrument :
MSVOA_X
ClientSampleId :
PIT-A-0-5

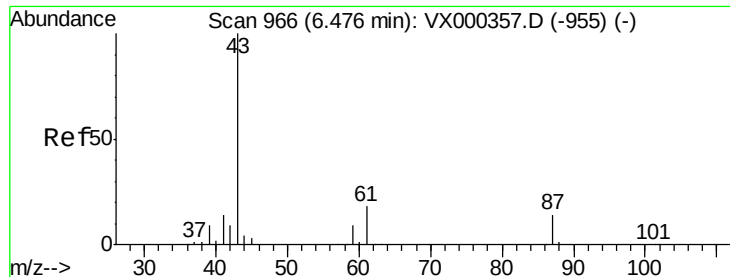
Tgt Ion:117 Resp: 178873
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 31.6 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000381.D
Acq: 21 Mar 2018 13:30

Tgt Ion:152 Resp: 85894
Ion Ratio Lower Upper
152 100
115 57.7 39.8 119.3
150 155.6 0.0 344.4





#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

PIT-A-0-5

Tgt Ion: 43 Resp: 925

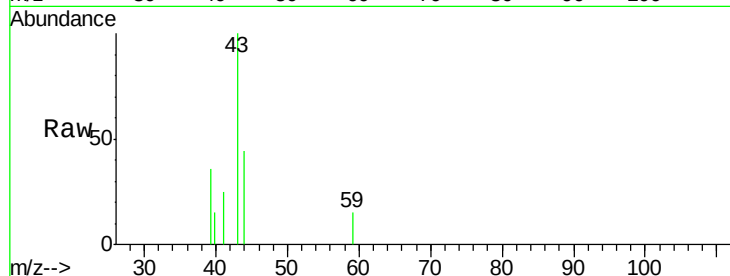
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#



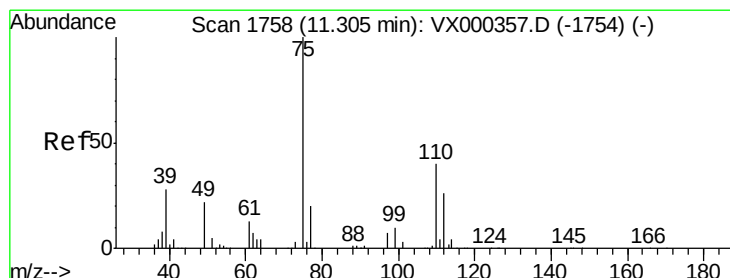
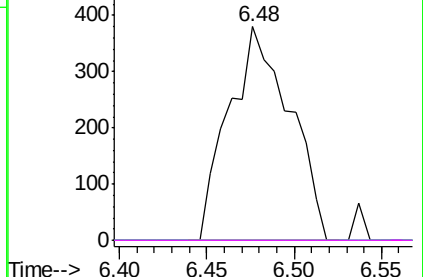
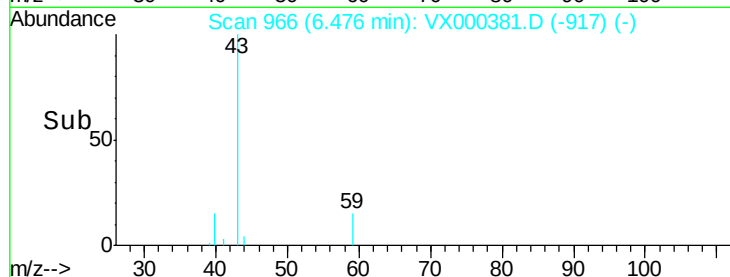
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.44 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000381.D

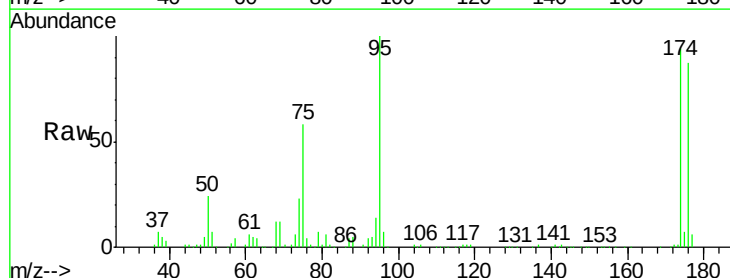
Acq: 21 Mar 2018 13:30

Tgt Ion: 75 Resp: 45118

Ion Ratio Lower Upper

75 100

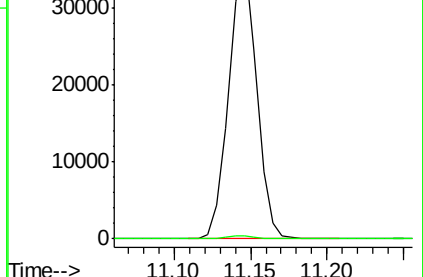
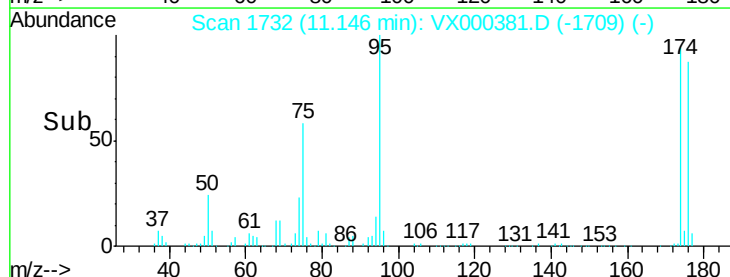
77 1.1 21.4 64.2#

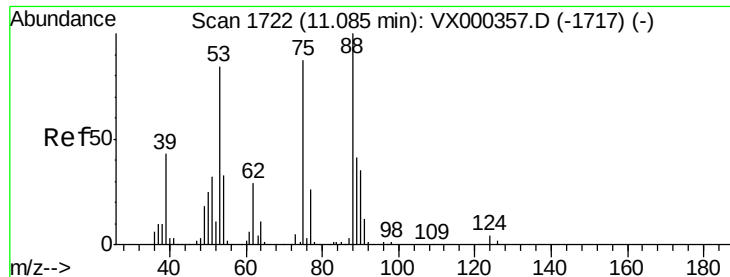


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 79.13 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

PIT-A-0-5

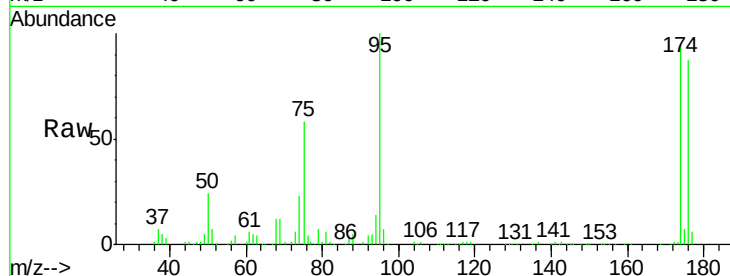
Tgt Ion: 75 Resp: 45118

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

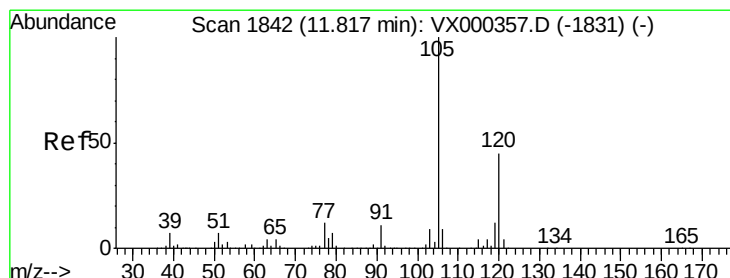
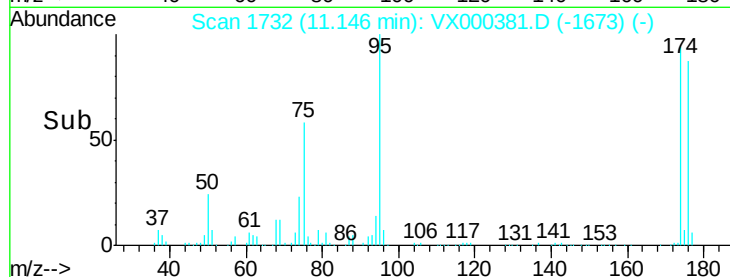
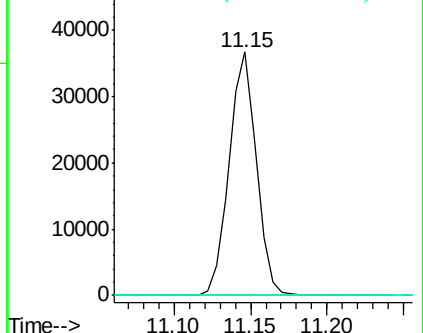
89 0.0 39.4 59.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.26 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000381.D

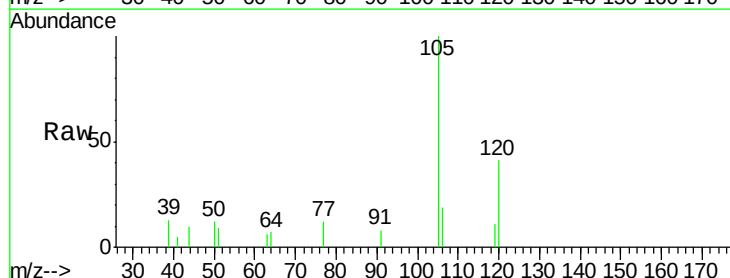
Acq: 21 Mar 2018 13:30

Tgt Ion: 105 Resp: 1315

Ion Ratio Lower Upper

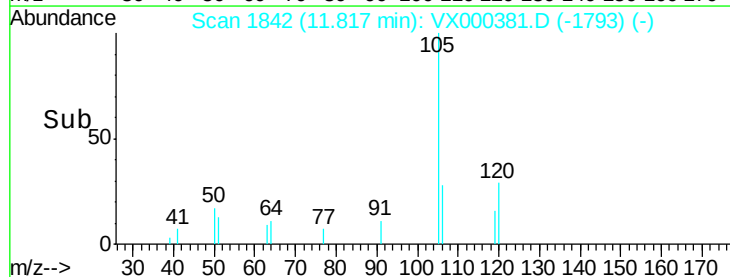
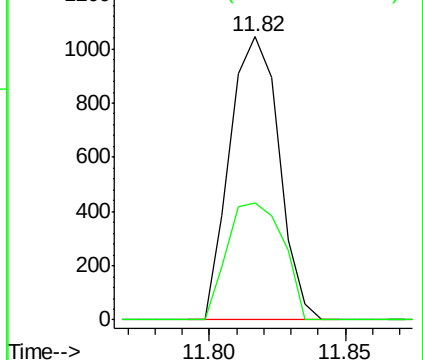
105 100

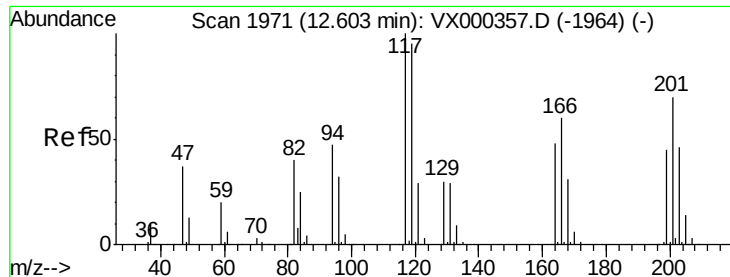
120 47.0 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.27 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

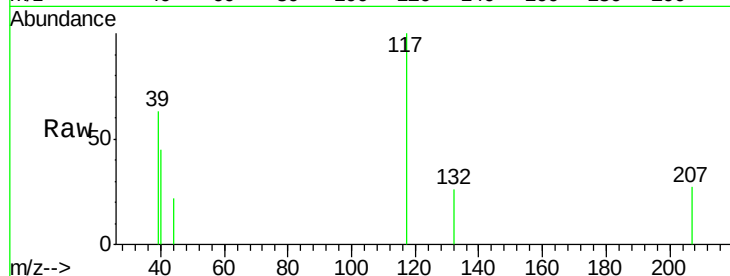
PIT-A-0-5

Tgt Ion:117 Resp: 227

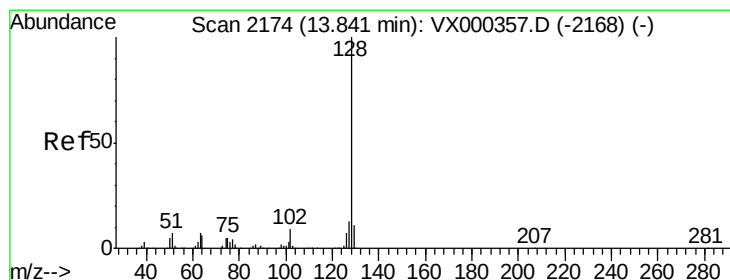
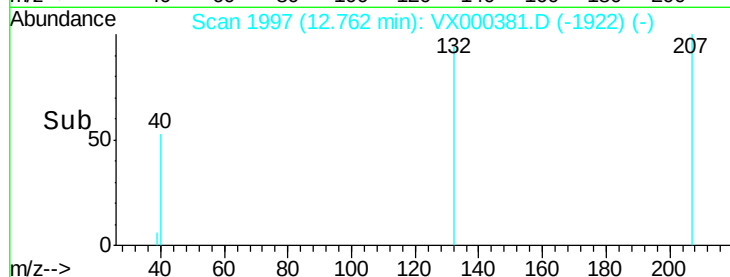
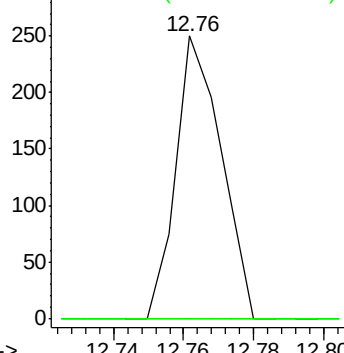
Ion Ratio Lower Upper

117 100

201 0.0 37.9 113.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 0.66 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

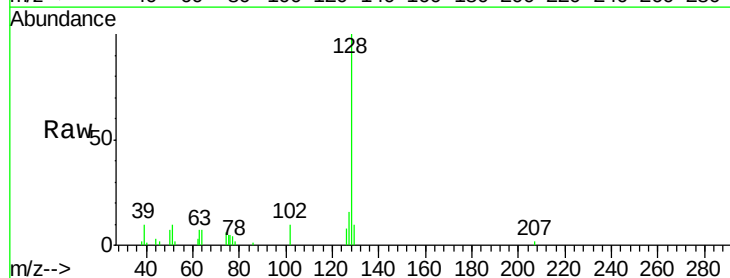
Tgt Ion:128 Resp: 4658

Ion Ratio Lower Upper

128 100

127 14.9 10.6 15.8

129 10.6 8.9 13.3



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

