

Data File : VX001153.D
Acq On : 27 Apr 2018 04:57
Operator : JC/MD
Sample : PB108612ZHE#05 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#05

Quant Time: Apr 27 07:25:14 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 01:51:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	210926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	293070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	266205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159958	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	137631	42.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.18%	
35) Dibromofluoromethane	5.51	113	105841	43.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.26%	
50) Toluene-d8	8.72	98	410024	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
62) 4-Bromofluorobenzene	11.14	95	147438	41.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.46%	

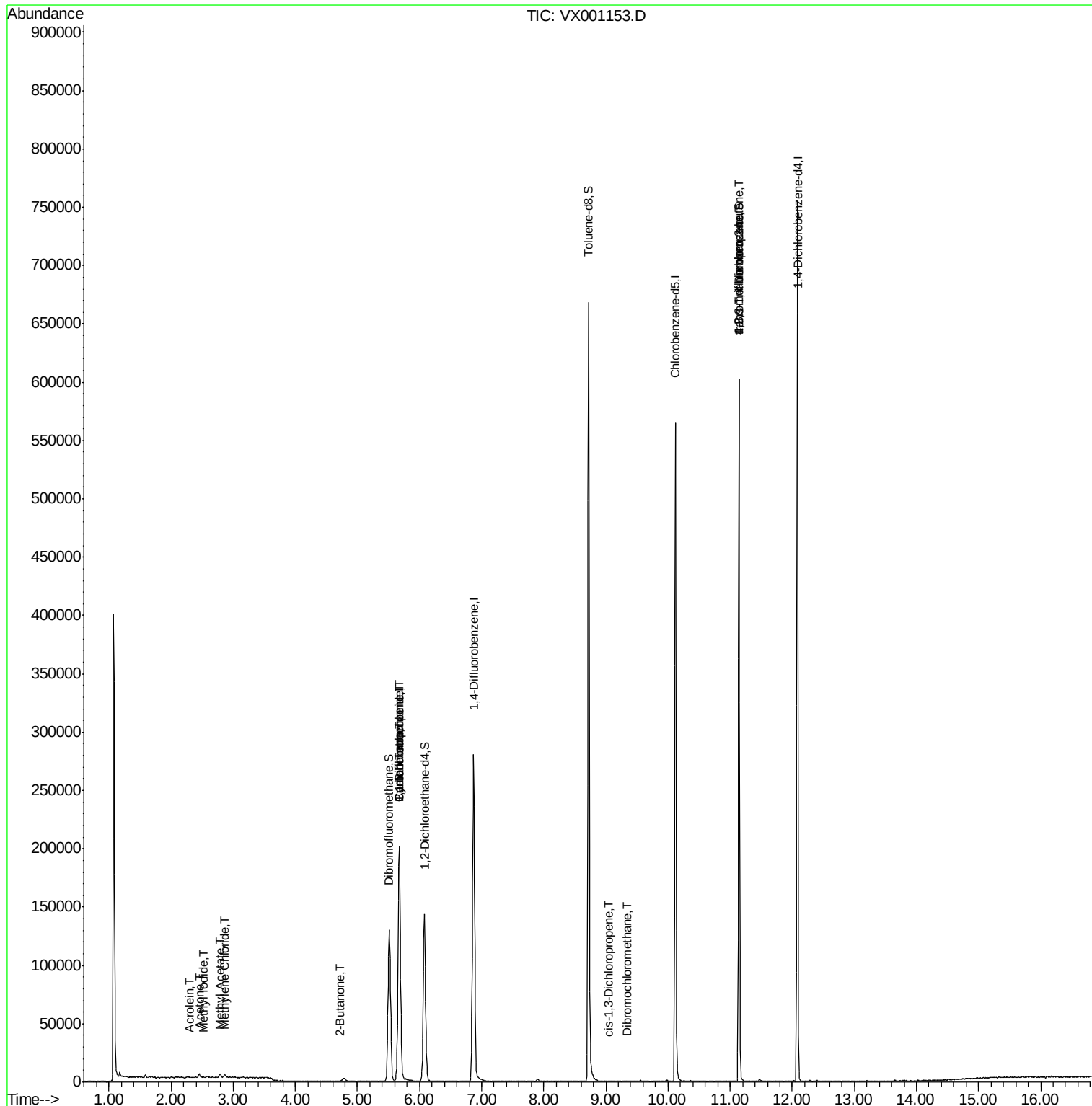
Target Compounds				Qvalue		
5) Bromomethane	1.65	94	319	Below Cal	#	50
10) Methyl Iodide	2.52	142	175	7.30	ug/l #	41
13) Acrolein	2.29	56	127	0.52	ug/l	97
16) Acetone	2.45	43	3594	2.67	ug/l	91
18) Methyl Acetate	2.79	43	3924	1.17	ug/l	94
20) Methylene Chloride	2.87	84	1127	0.45	ug/l #	83
25) 2-Butanone	4.72	43	1009	0.50	ug/l #	88
31) Cyclohexane	5.67	56	3511	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.68	75	13732	4.25	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18065	5.46	ug/l #	17
54) cis-1,3-Dichloropropene	9.06	75	41	3.20	ug/l #	1
60) Dibromochloromethane	9.34	129	85	3.37	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	76875	23.60	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	76875	72.46	ug/l #	6

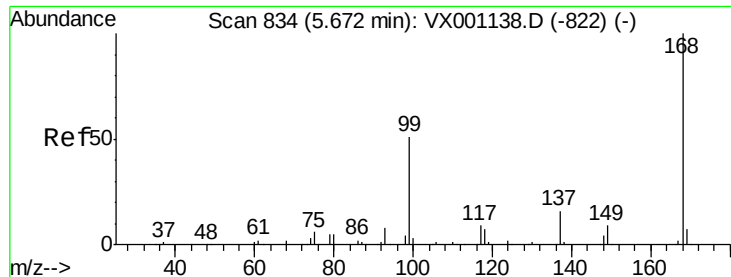
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

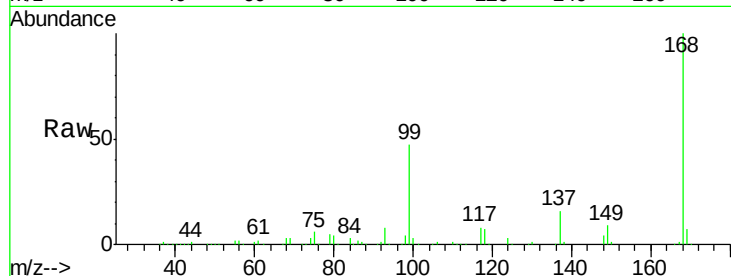
PB108612ZHE#05

Tgt Ion:168 Resp: 210926

Ion Ratio Lower Upper

168 100

99 47.4 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

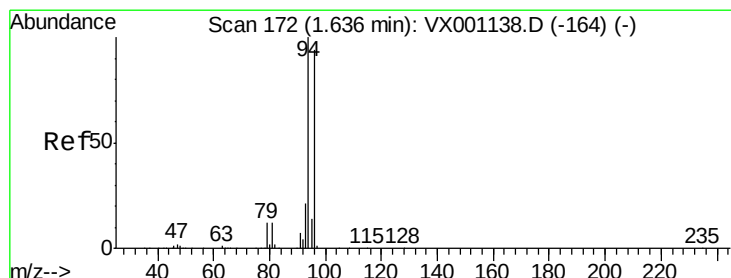
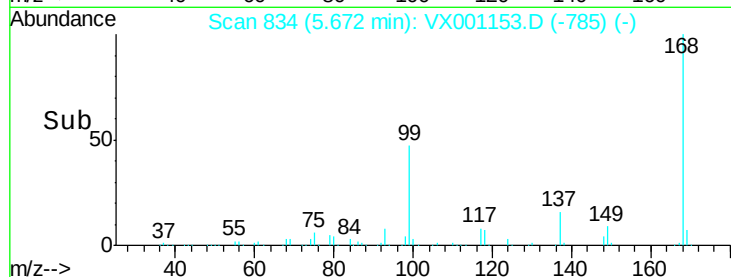
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001153.D

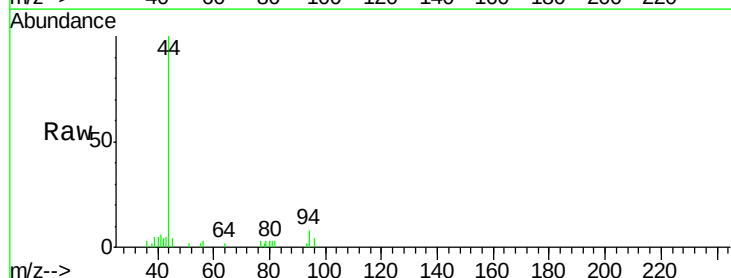
Acq: 27 Apr 2018 04:57

Tgt Ion: 94 Resp: 319

Ion Ratio Lower Upper

94 100

96 46.2 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

150

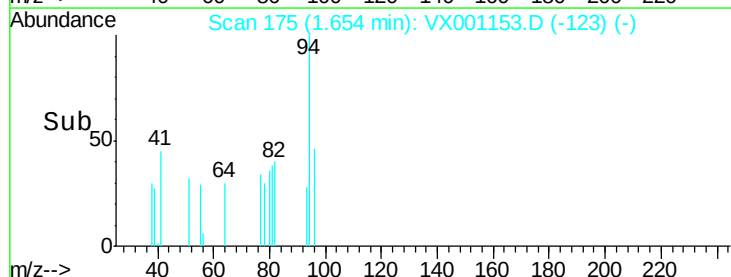
100

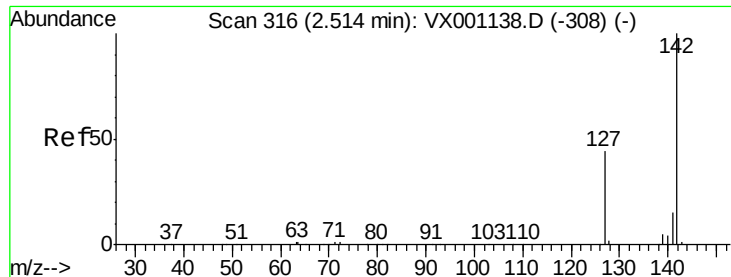
50

0

Time-->

1.60 1.65 1.70

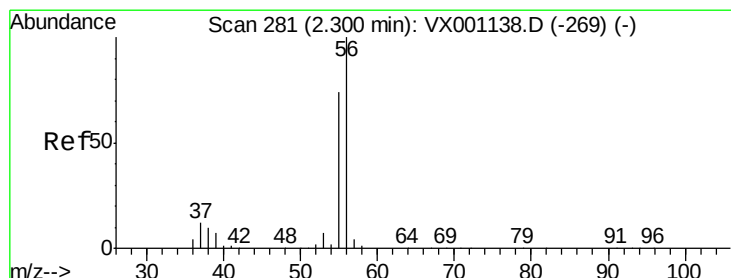
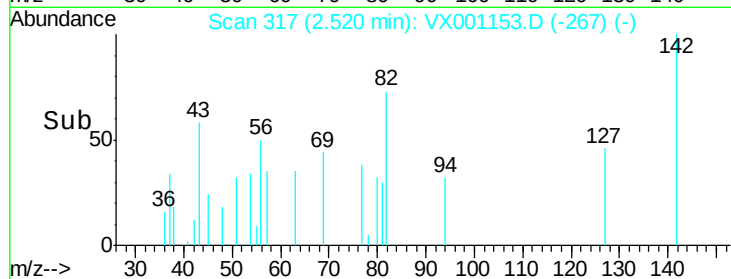
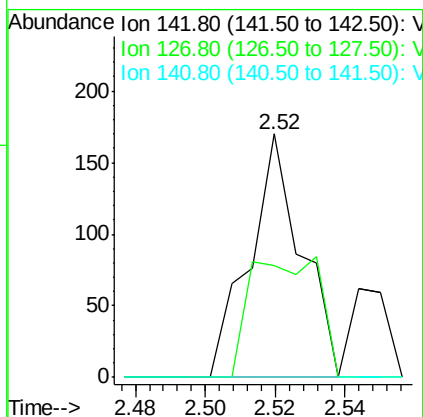
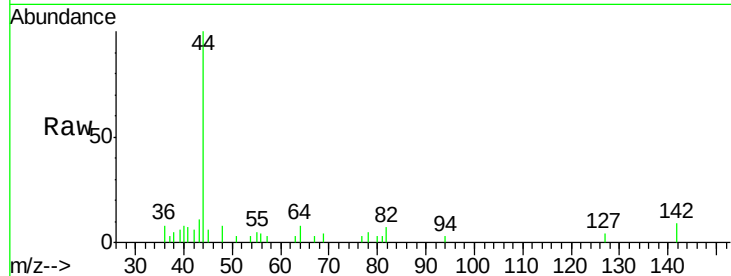




#10
Methyl Iodide
Concen: 7.30 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001153.D
Acq: 27 Apr 2018 04:57

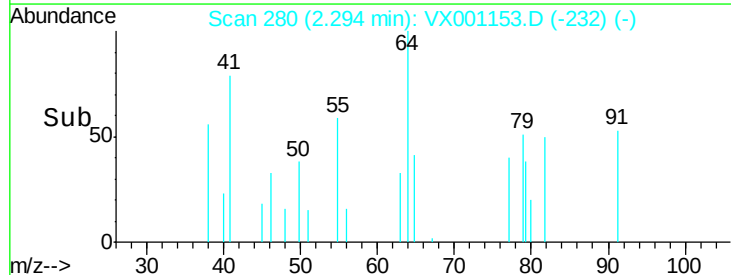
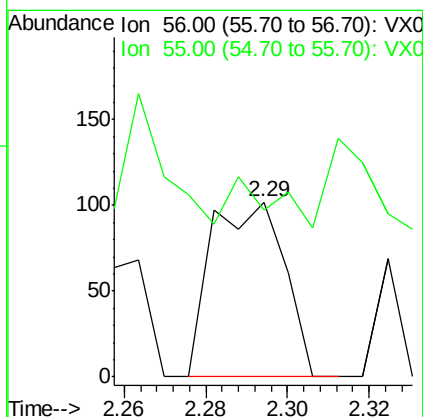
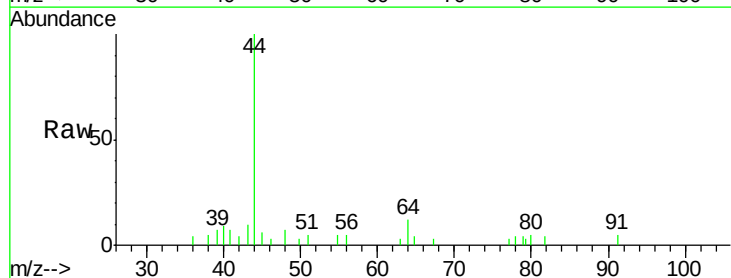
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#05

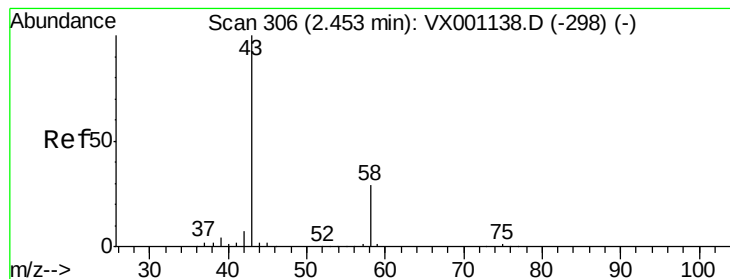
Tgt Ion: 142 Resp: 175
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.6 17.4#



#13
Acrolein
Concen: 0.52 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001153.D
Acq: 27 Apr 2018 04:57

Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 74.0 57.2 85.8





#16

Acetone

Concen: 2.67 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

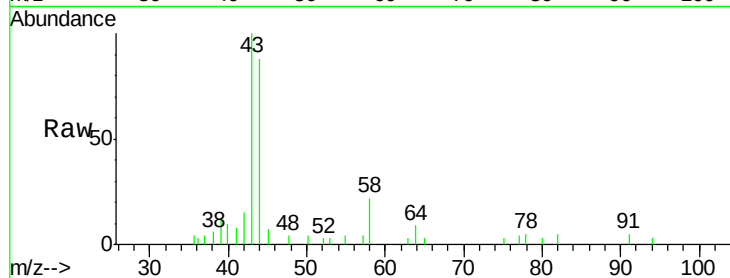
PB108612ZHE#05

Tgt Ion: 43 Resp: 3594

Ion Ratio Lower Upper

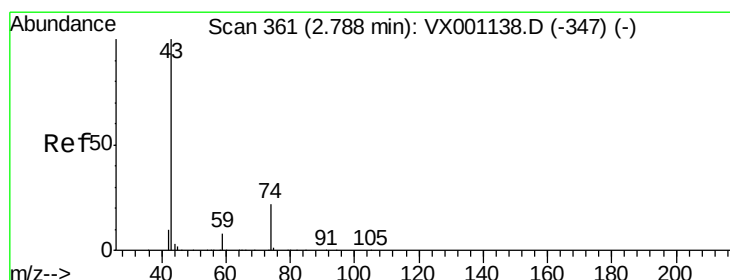
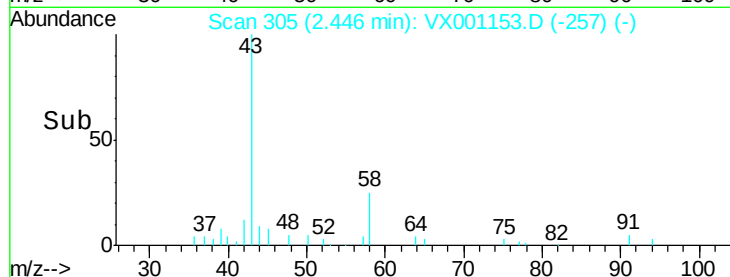
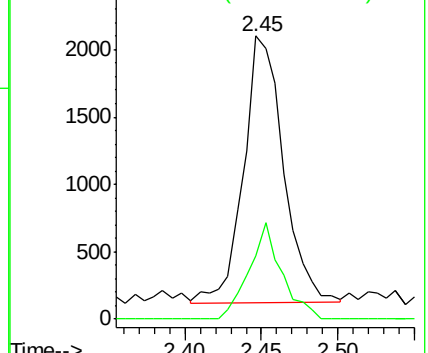
43 100

58 23.9 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.17 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX001153.D

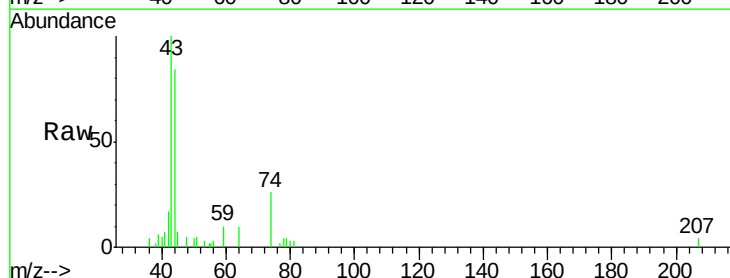
Acq: 27 Apr 2018 04:57

Tgt Ion: 43 Resp: 3924

Ion Ratio Lower Upper

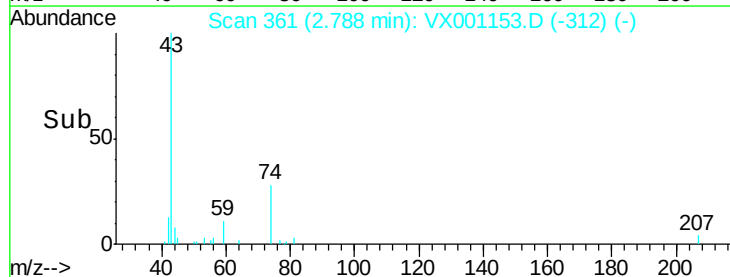
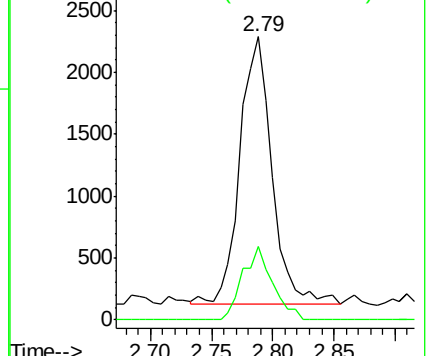
43 100

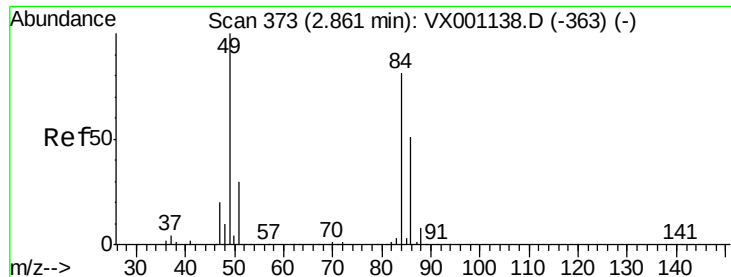
74 25.4 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.45 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#05

Tgt Ion: 84 Resp: 1127

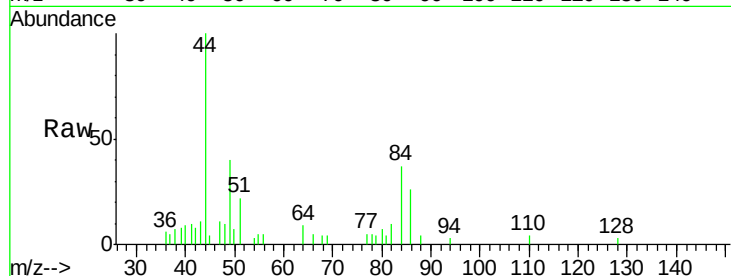
Ion Ratio Lower Upper

84 100

49 108.2 99.2 148.8

51 59.1 29.5 44.3#

86 72.3 50.2 75.2

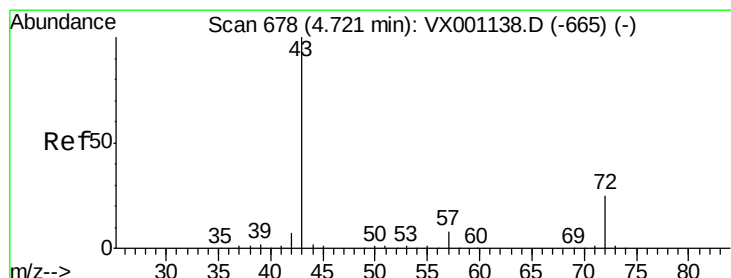
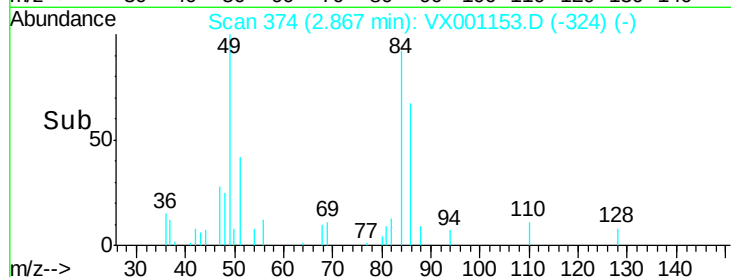
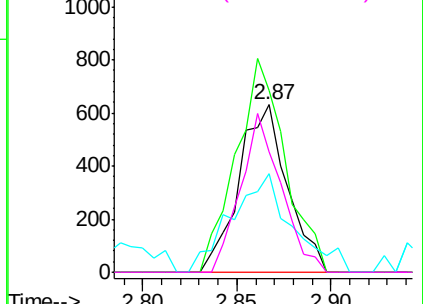


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.50 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001153.D

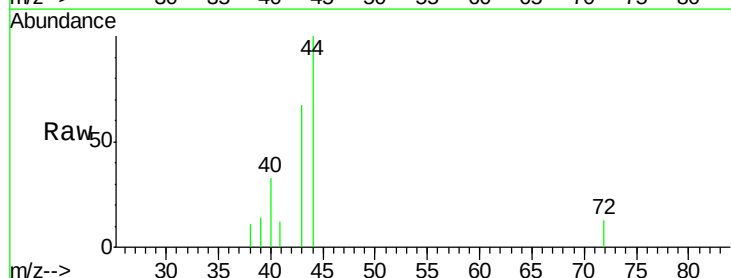
Acq: 27 Apr 2018 04:57

Tgt Ion: 43 Resp: 1009

Ion Ratio Lower Upper

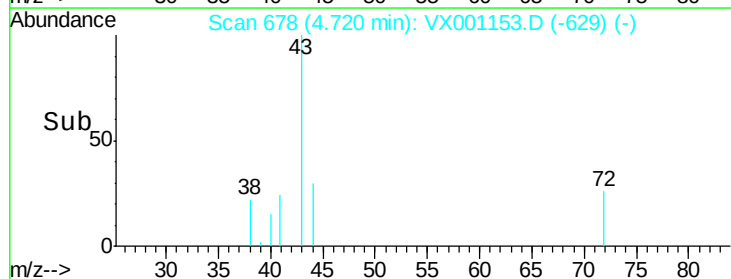
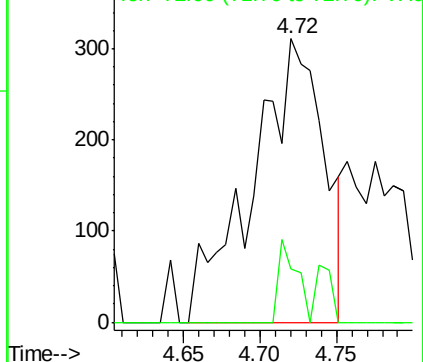
43 100

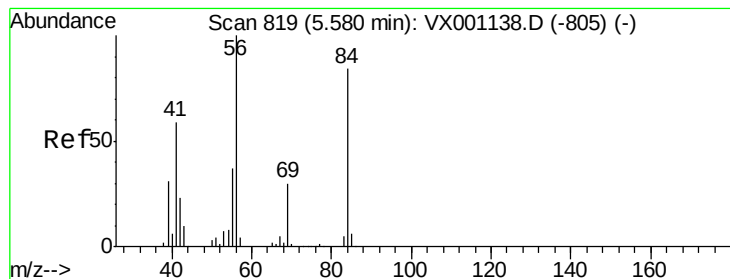
72 19.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.01 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#05

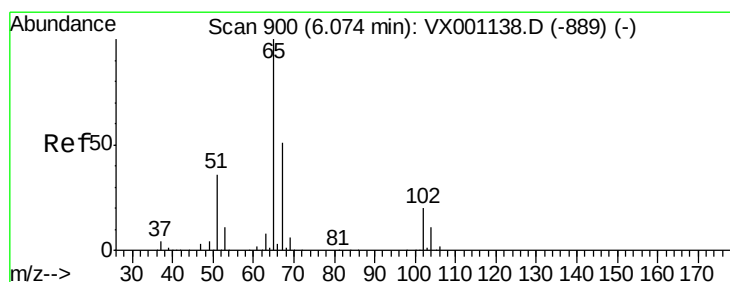
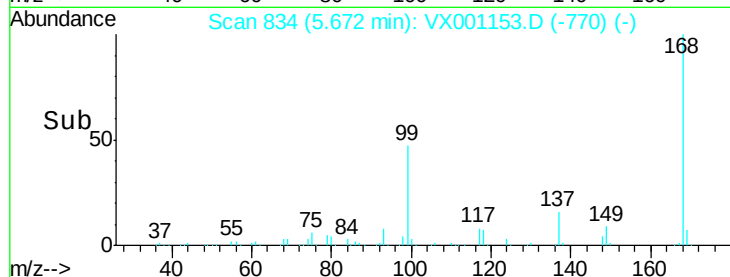
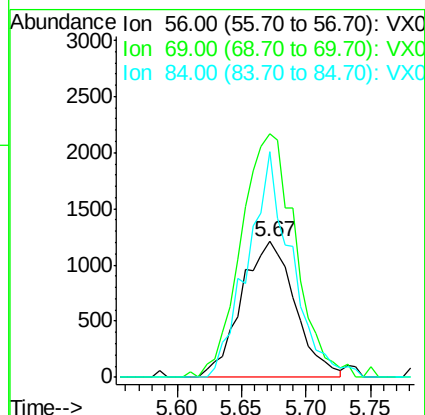
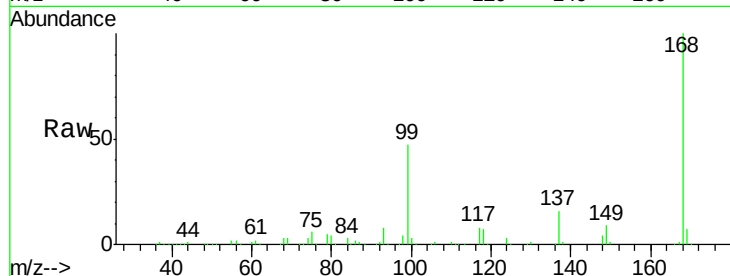
Tgt Ion: 56 Resp: 3511

Ion Ratio Lower Upper

56 100

69 174.7 24.2 36.2#

84 170.9 67.5 101.3#



#33

1,2-Dichloroethane-d4

Concen: 42.09 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001153.D

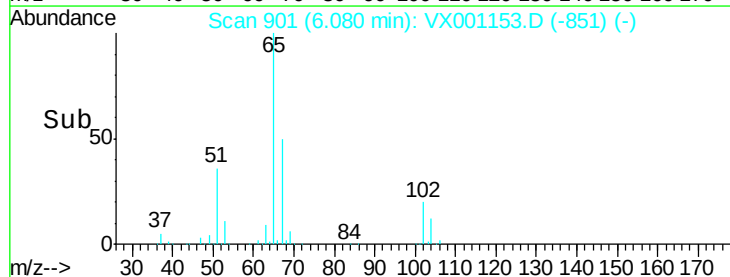
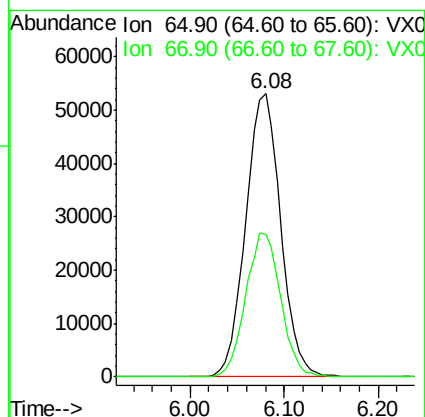
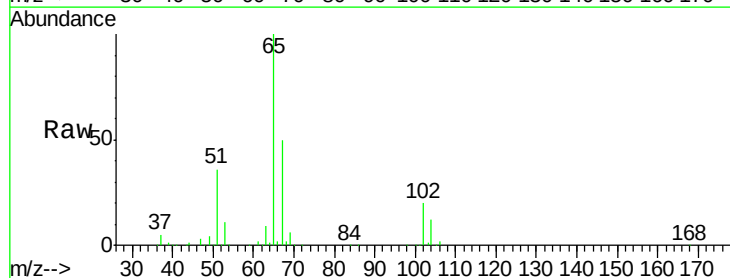
Acq: 27 Apr 2018 04:57

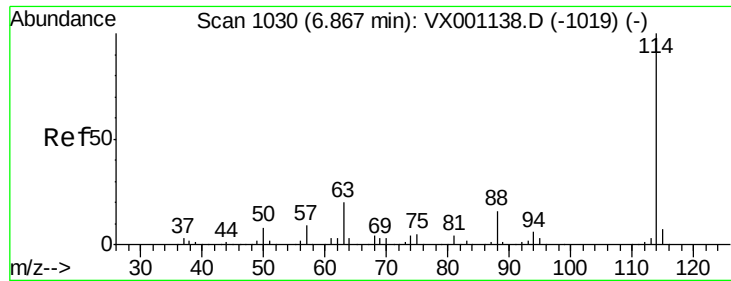
Tgt Ion: 65 Resp: 137631

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#05

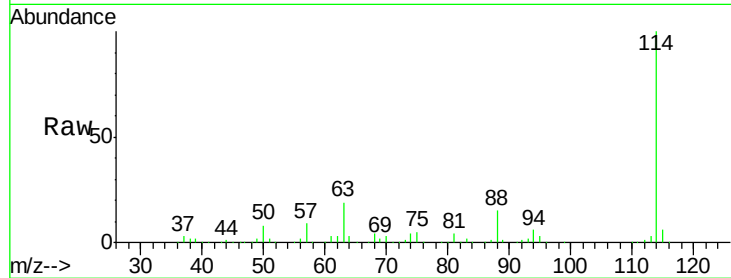
Tgt Ion:114 Resp: 293070

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.4

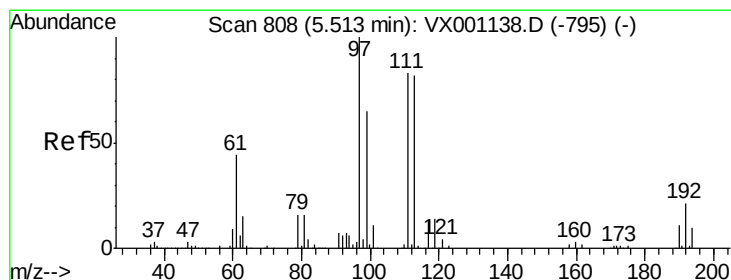
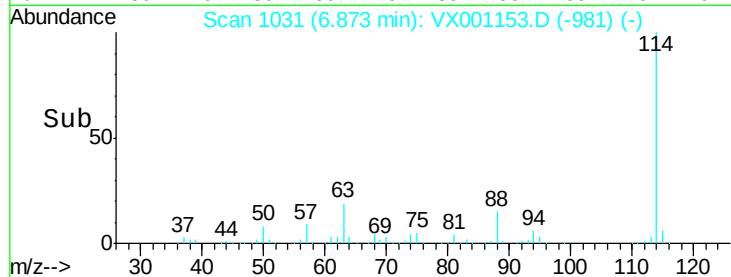
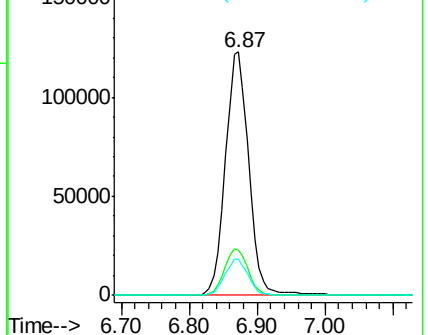
88 14.8 0.0 31.8



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: 43.63 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

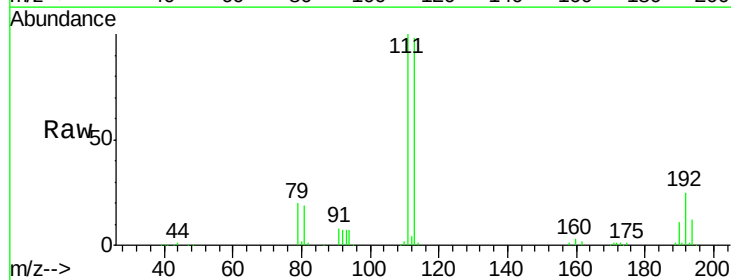
Tgt Ion:113 Resp: 105841

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

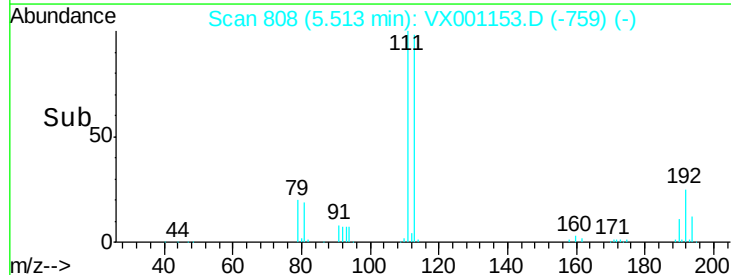
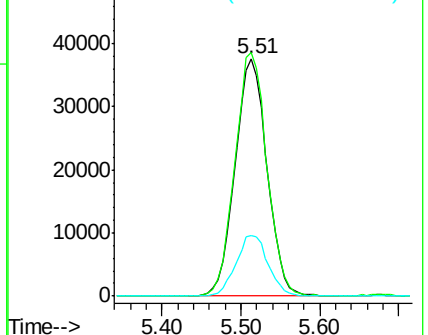
192 25.8 20.6 30.8

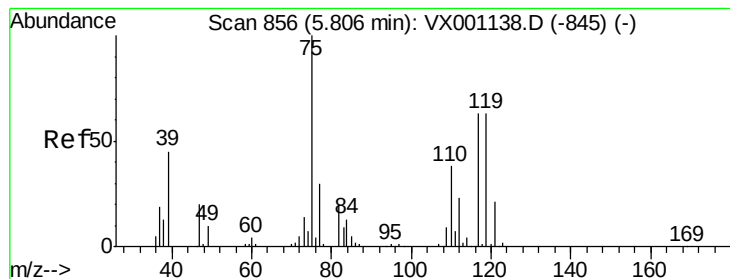


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.25 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

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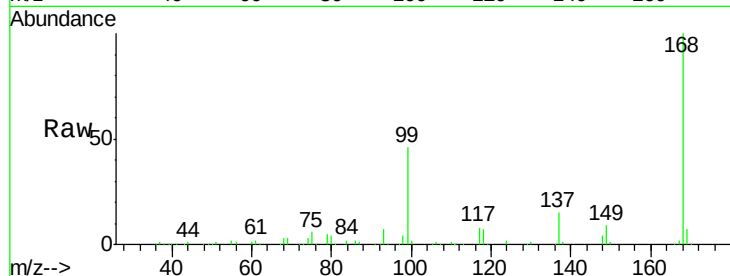
Tgt Ion: 75 Resp: 13732

Ion Ratio Lower Upper

75 100

110 10.5 19.0 57.0#

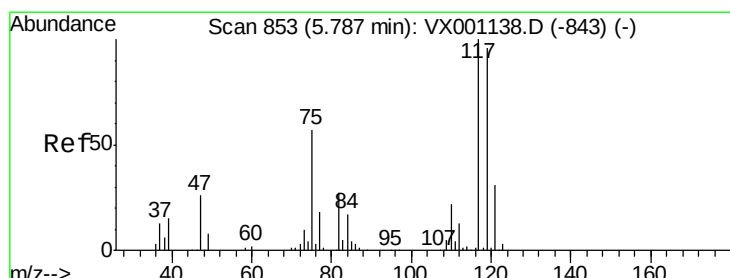
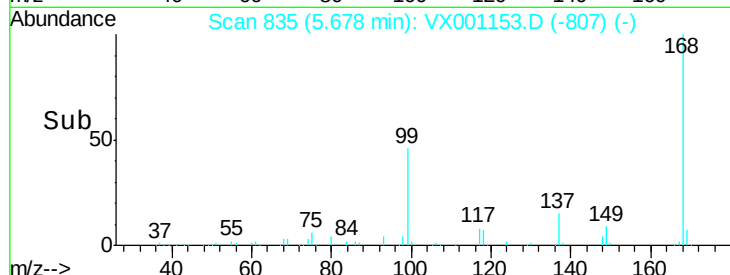
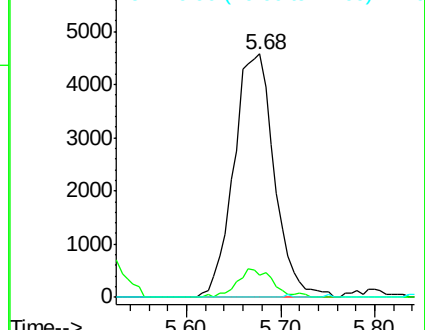
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.46 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

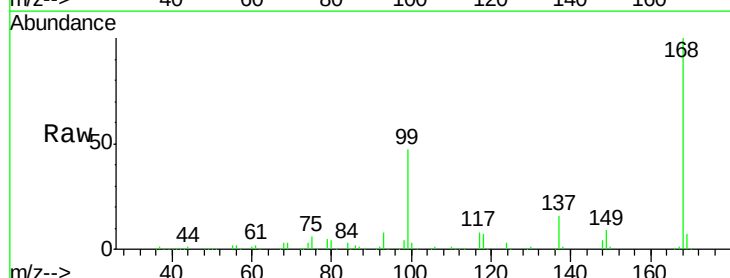
Tgt Ion: 117 Resp: 18065

Ion Ratio Lower Upper

117 100

119 5.8 76.5 114.7#

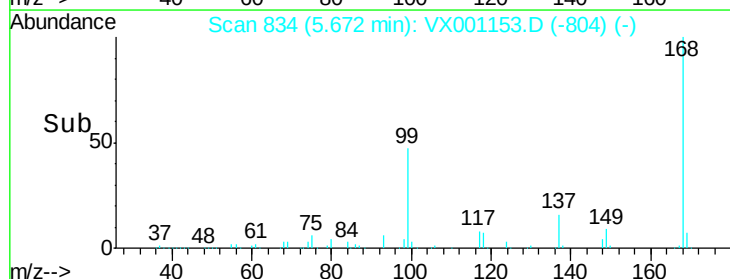
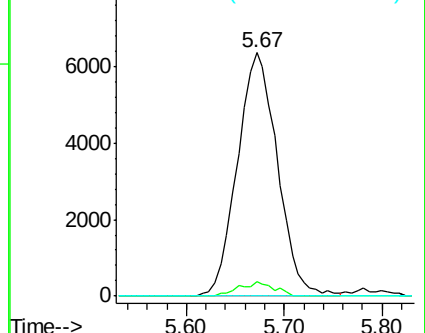
121 0.0 24.6 37.0#

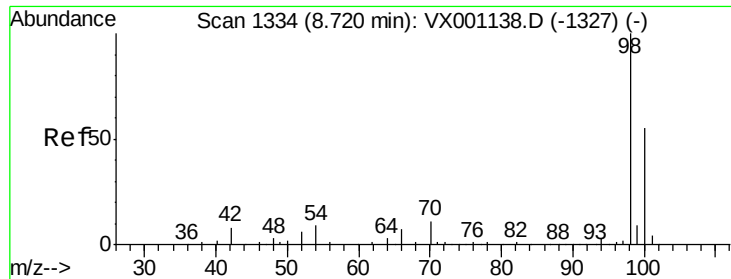


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

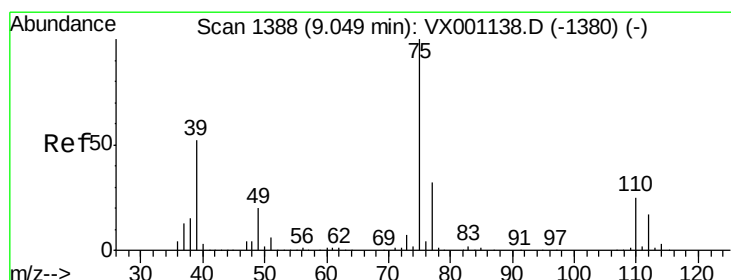
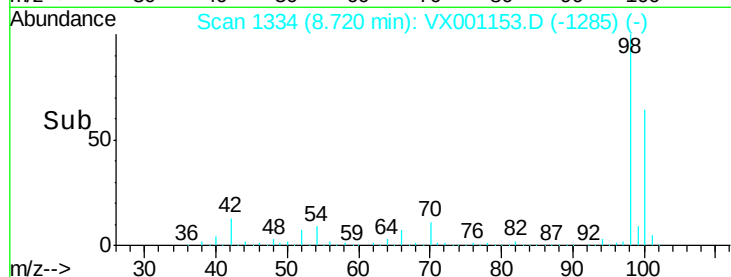
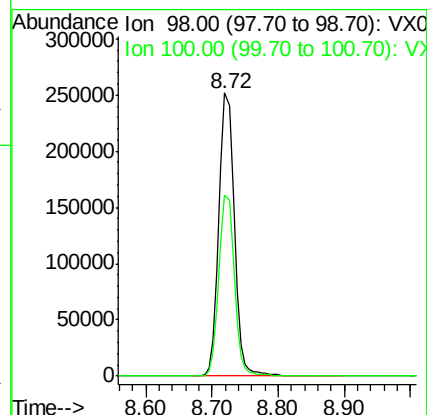
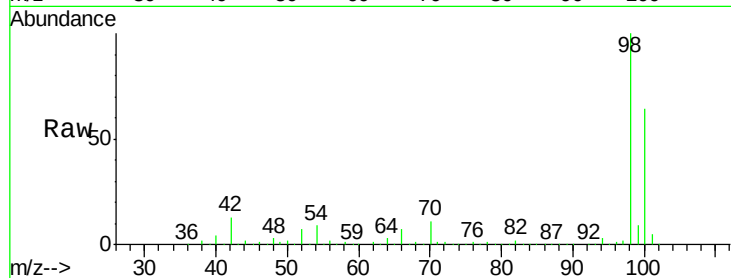




#50
Toluene-d8
Concen: 44.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001153.D
Acq: 27 Apr 2018 04:57

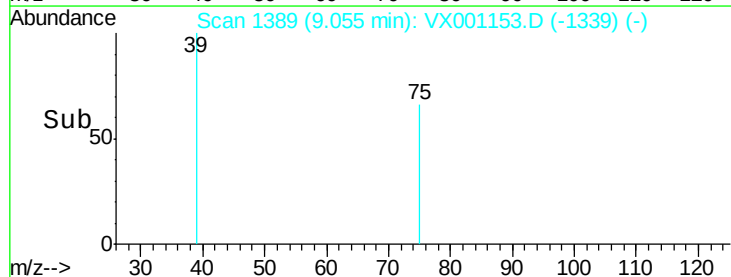
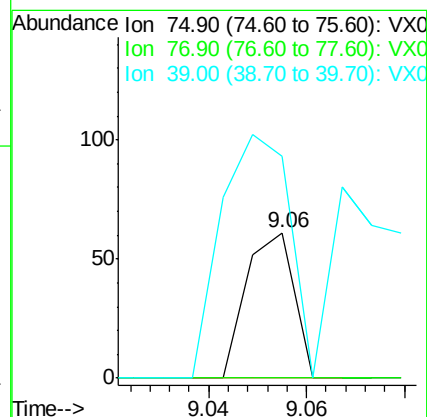
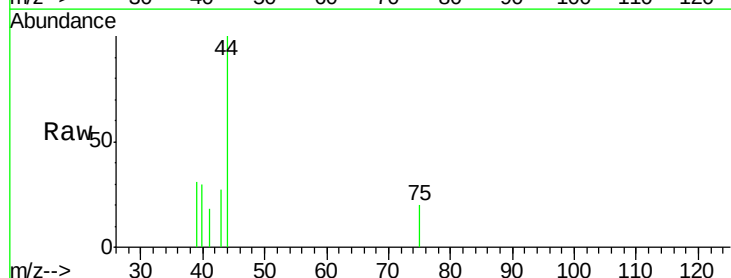
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#05

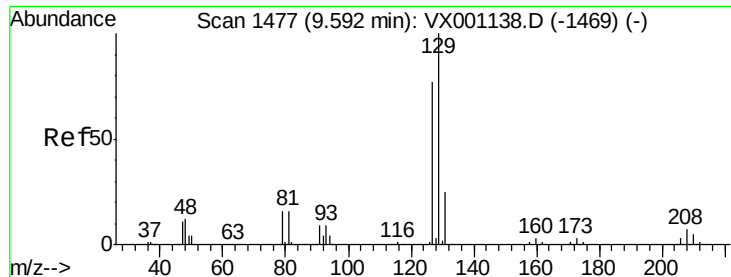
Tgt Ion: 98 Resp: 410024
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#54
cis-1,3-Dichloropropene
Concen: 3.20 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX001153.D
Acq: 27 Apr 2018 04:57

Tgt Ion: 75 Resp: 41
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 152.5 42.0 63.0#





#60

Dibromochloromethane

Concen: 3.37 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.26 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

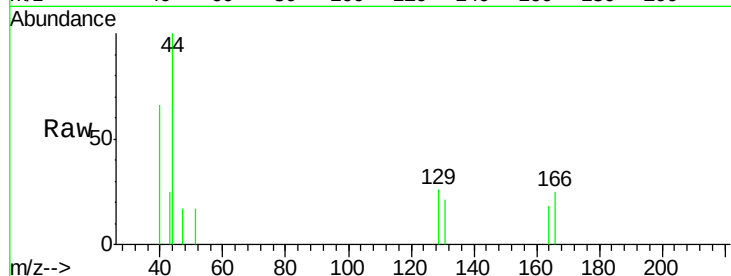
PB108612ZHE#05

Tgt Ion: 129 Resp: 85

Ion Ratio Lower Upper

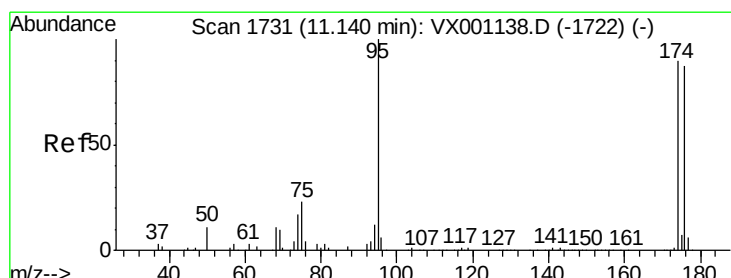
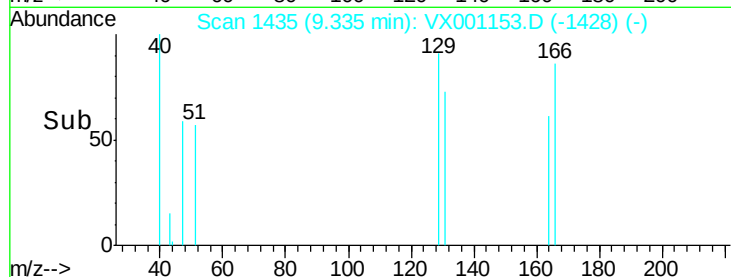
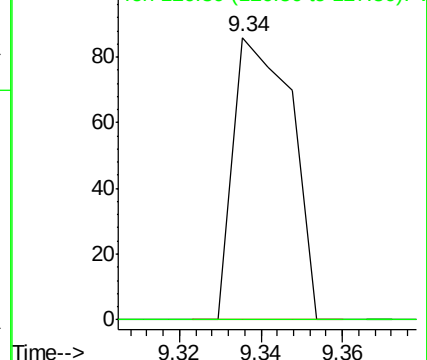
129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 41.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

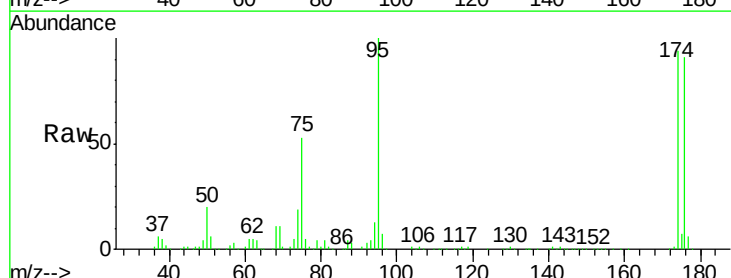
Tgt Ion: 95 Resp: 147438

Ion Ratio Lower Upper

95 100

174 99.6 0.0 194.4

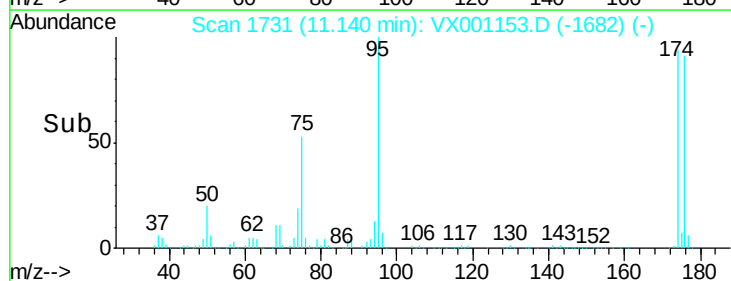
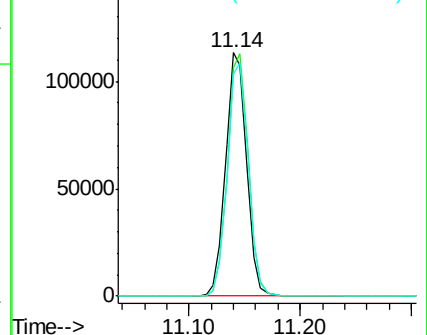
176 96.4 0.0 190.2

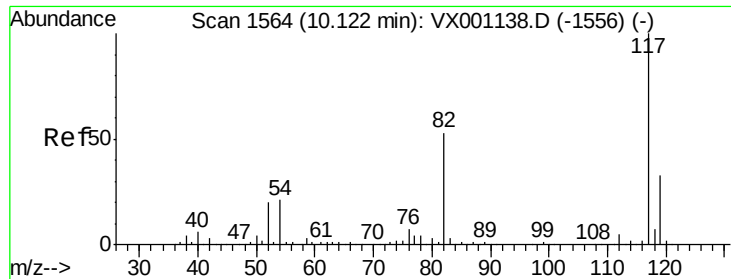


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

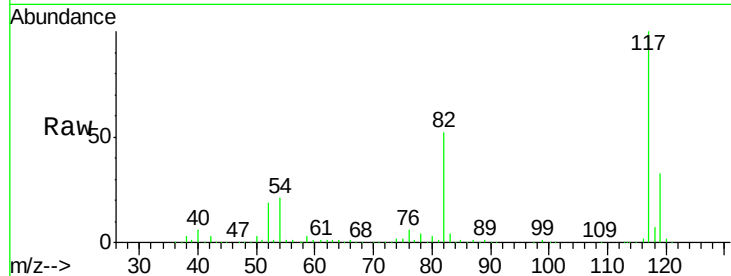




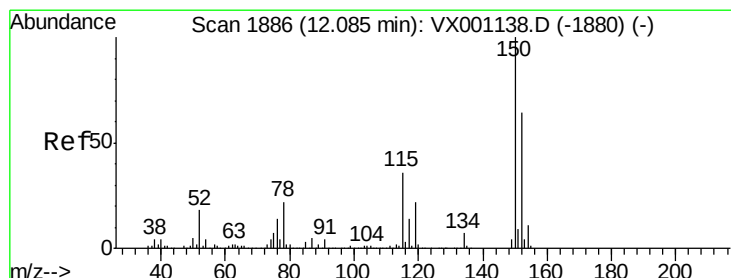
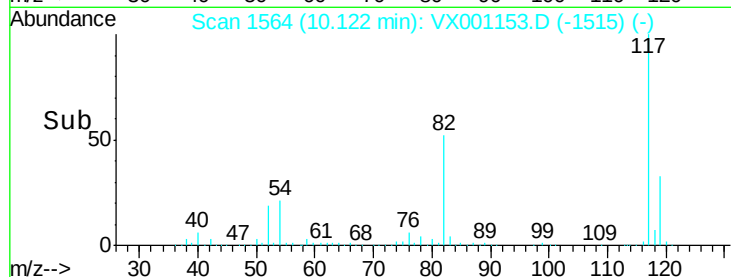
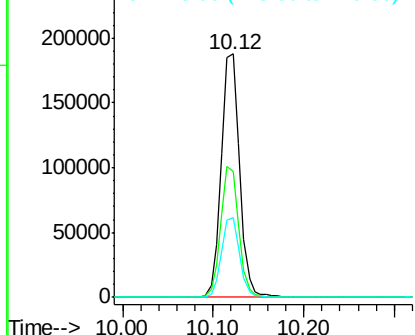
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001153.D
Acq: 27 Apr 2018 04:57

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#05

Tgt Ion:117 Resp: 266205
Ion Ratio Lower Upper
117 100
82 51.6 42.1 63.1
119 33.0 26.1 39.1

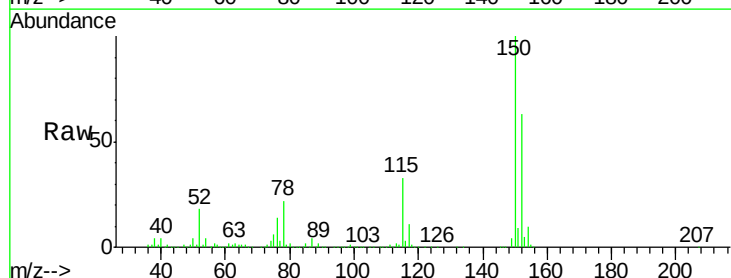


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

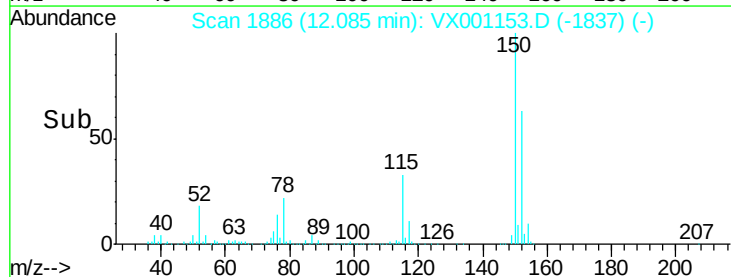
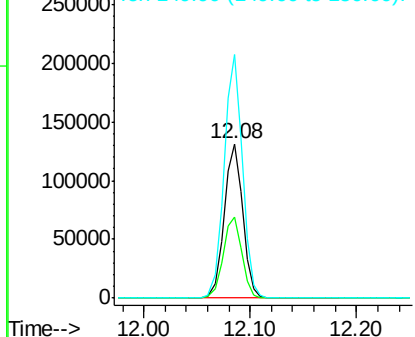


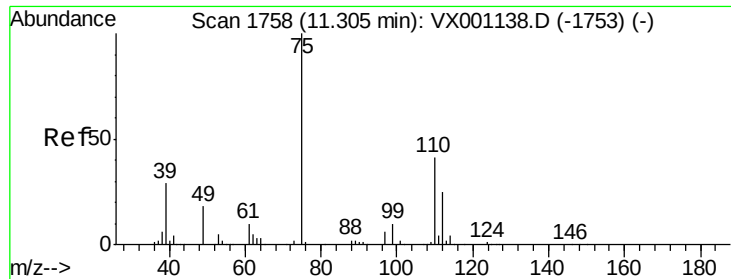
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001153.D
Acq: 27 Apr 2018 04:57

Tgt Ion:152 Resp: 159958
Ion Ratio Lower Upper
152 100
115 52.6 38.0 114.0
150 155.7 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

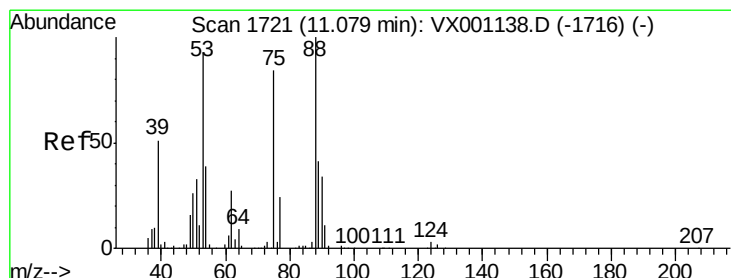
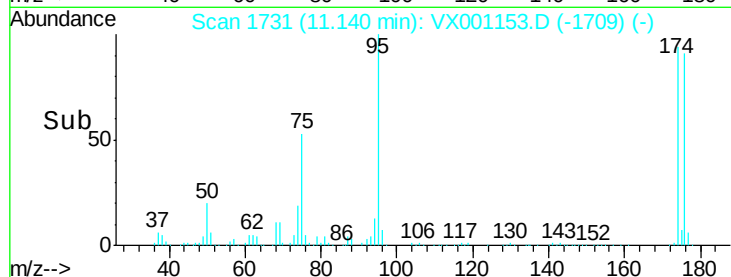
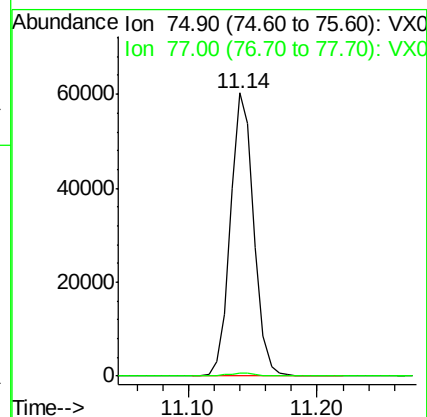
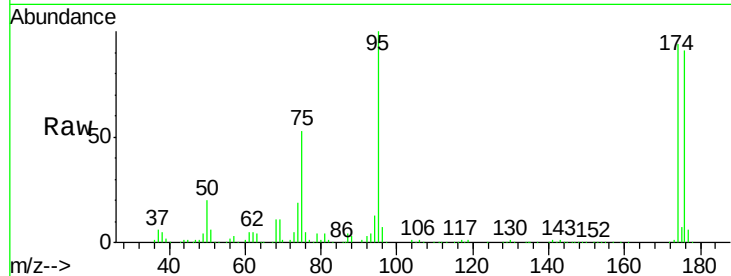
PB108612ZHE#05

Tgt Ion: 75 Resp: 76875

Ion Ratio Lower Upper

75 100

77 1.2 18.9 56.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

Tgt Ion: 75 Resp: 76875

Ion Ratio Lower Upper

75 100

53 0.0 87.9 131.9#

89 0.1 37.7 56.5#

