

Data File : VX001147.D
Acq On : 27 Apr 2018 02:24
Operator : JC/MD
Sample : PB108612ZHE#10 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#10

Quant Time: Apr 27 07:20:23 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	231542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	320737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	173936	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	148641	41.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.82%	
35) Dibromofluoromethane	5.51	113	116683	43.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.90%	
50) Toluene-d8	8.72	98	446807	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	
62) 4-Bromofluorobenzene	11.14	95	160955	41.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.26%	

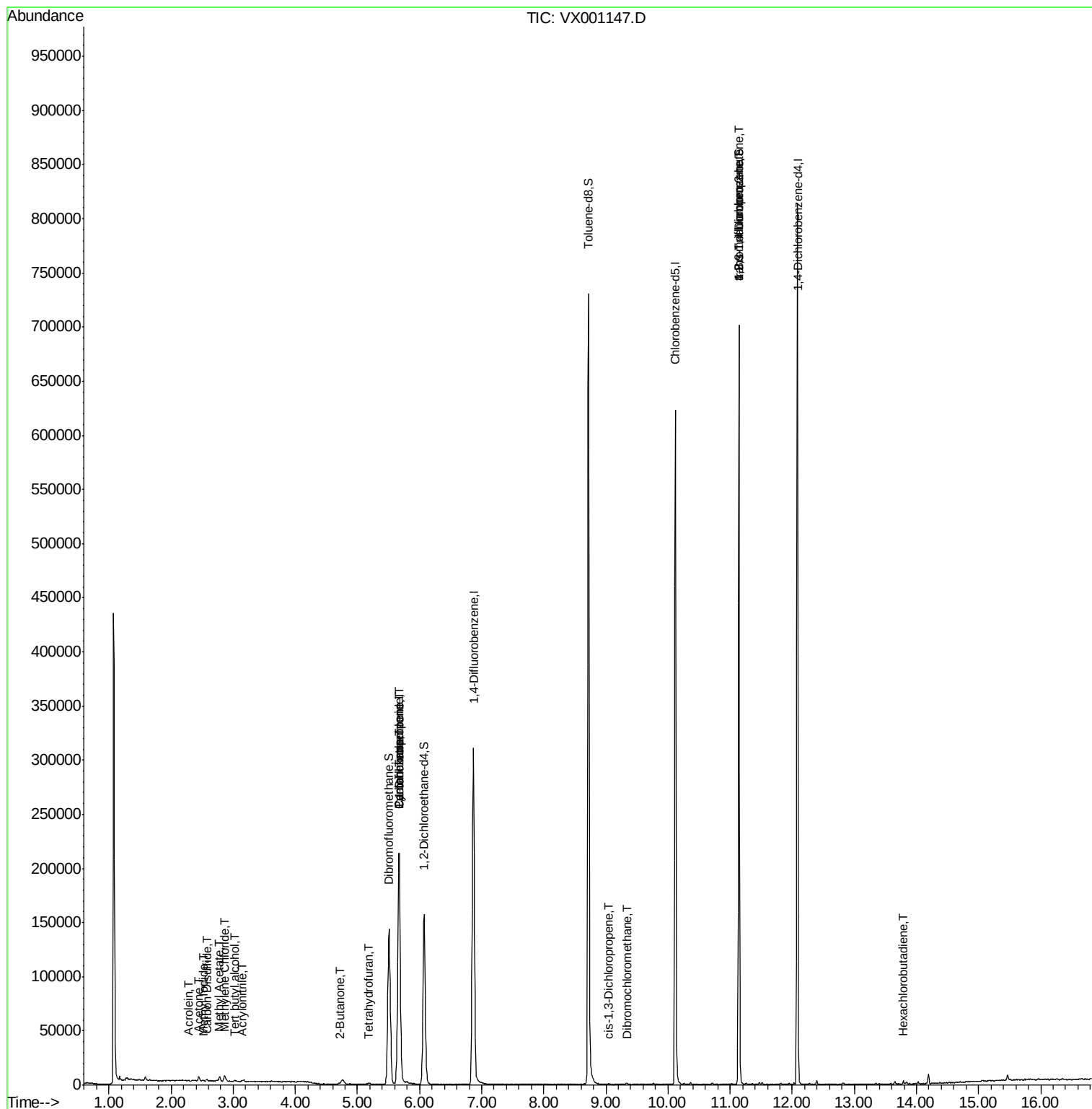
Target Compounds				Qvalue		
5) Bromomethane	1.66	94	404	Below Cal	#	70
10) Methyl Iodide	2.53	142	476	7.40	ug/l #	81
11) Tert butyl alcohol	3.03	59	602	0.85	ug/l #	72
13) Acrolein	2.28	56	316	1.18	ug/l #	60
15) Acrylonitrile	3.14	53	716	0.47	ug/l	96
16) Acetone	2.45	43	4210	2.85	ug/l	97
17) Carbon Disulfide	2.57	76	1823	0.31	ug/l #	89
18) Methyl Acetate	2.78	43	4970	1.35	ug/l	98
20) Methylene Chloride	2.86	84	2277	0.83	ug/l	98
25) 2-Butanone	4.71	43	1881	0.85	ug/l	91
29) Tetrahydrofuran	5.17	42	1078	0.76	ug/l #	75
31) Cyclohexane	5.67	56	4301	1.13	ug/l #	15
36) 1,1-Dichloropropene	5.67	75	14330	4.05	ug/l #	49
38) Carbon Tetrachloride	5.67	117	19594	5.41	ug/l #	16
54) cis-1,3-Dichloropropene	9.05	75	90	3.21	ug/l #	65
60) Dibromochloromethane	9.34	129	195	3.40	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	83307	23.52	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	83307	72.23	ug/l #	6
94) Hexachlorobutadiene	13.79	225	522	0.23	ug/l	89

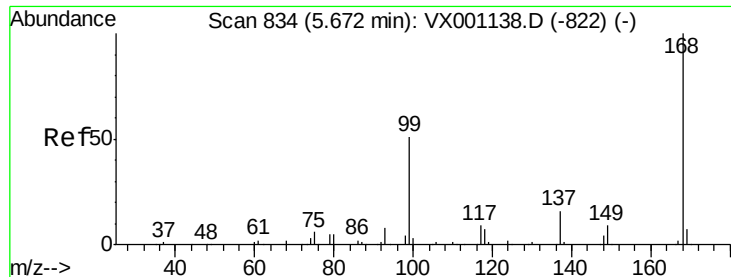
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001147.D

Acq: 27 Apr 2018 02:24

Instrument :

MSVOA_X

ClientSampleId :

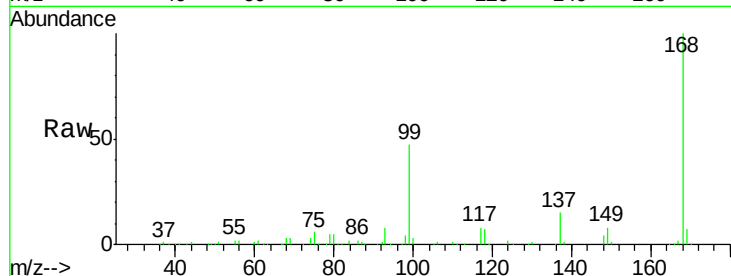
PB108612ZHE#10

Tgt Ion:168 Resp: 231542

Ion Ratio Lower Upper

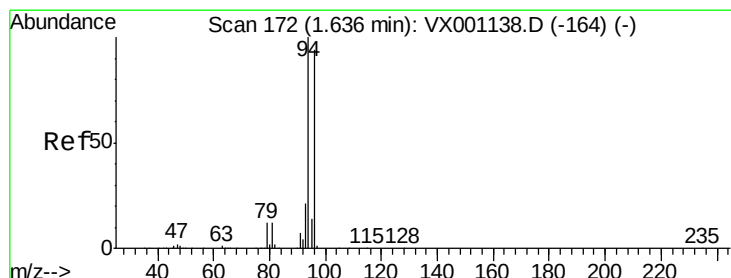
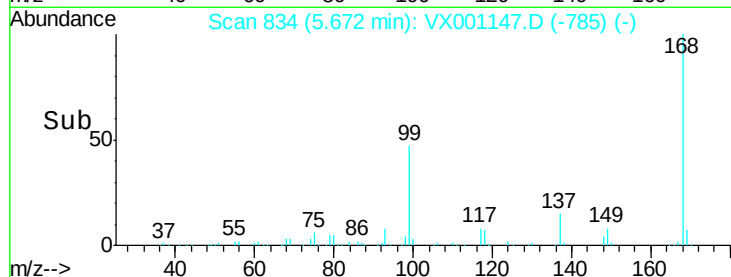
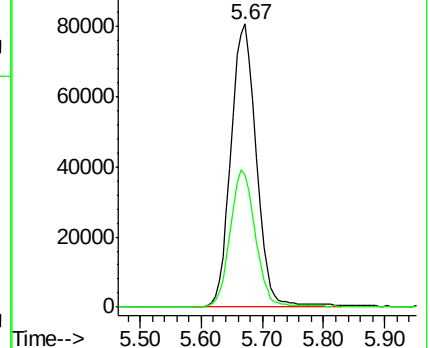
168 100

99 46.6 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001147.D

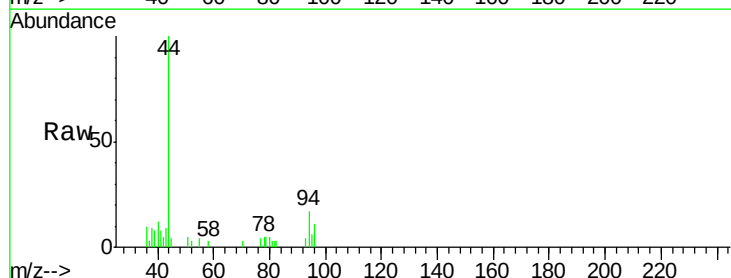
Acq: 27 Apr 2018 02:24

Tgt Ion: 94 Resp: 404

Ion Ratio Lower Upper

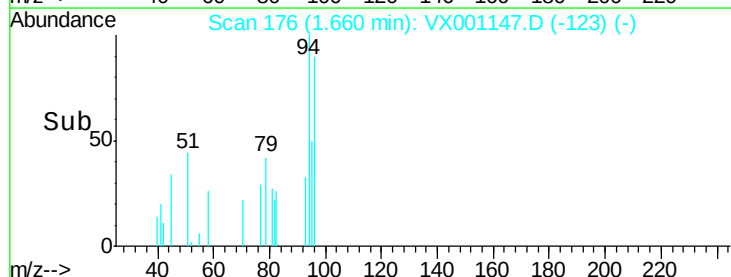
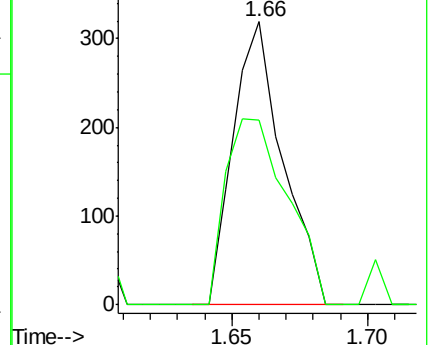
94 100

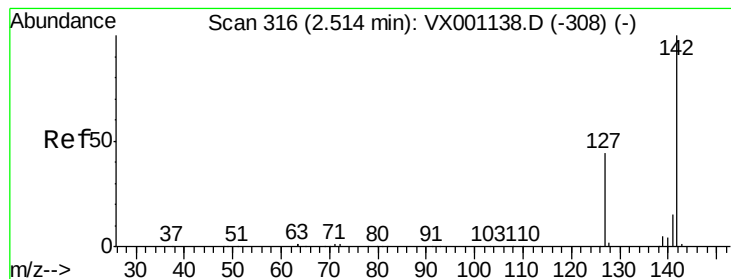
96 65.2 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

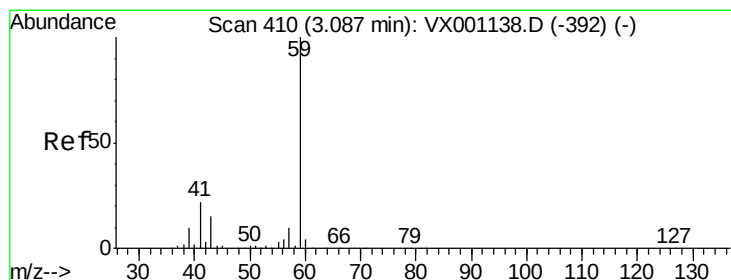
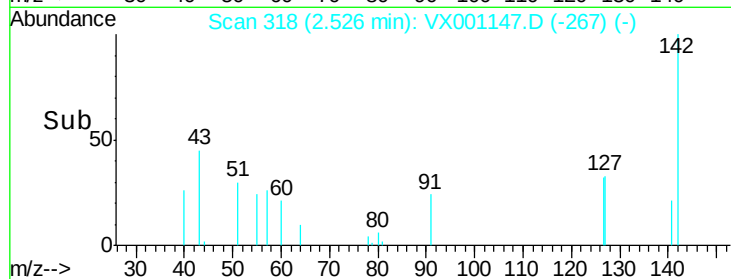
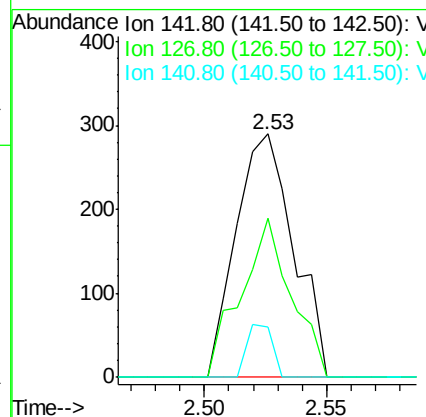
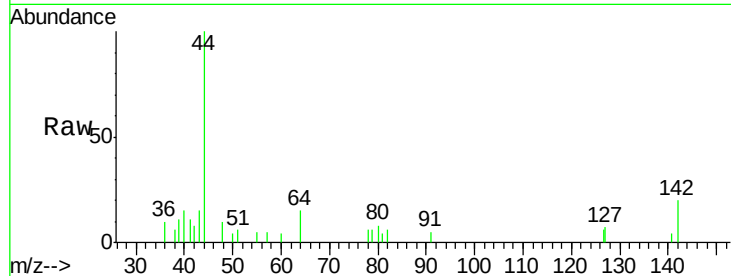




#10
Methyl Iodide
Concen: 7.40 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001147.D
Acq: 27 Apr 2018 02:24

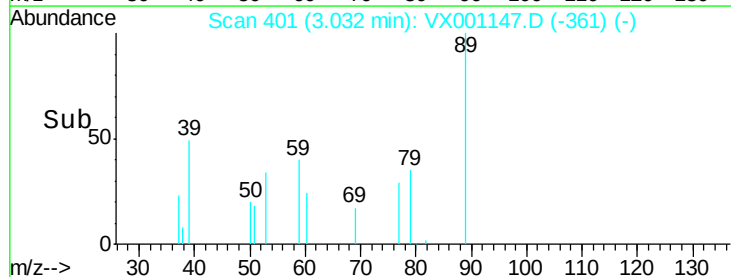
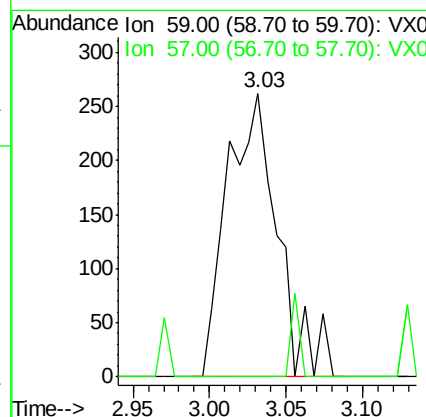
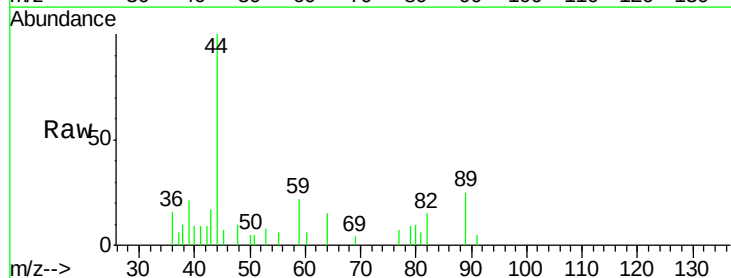
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#10

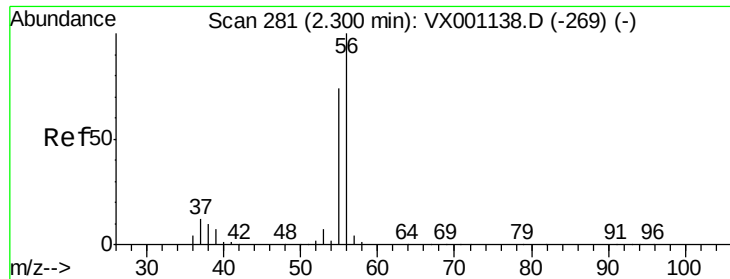
Tgt Ion: 142 Resp: 476
Ion Ratio Lower Upper
142 100
127 56.7 34.7 52.1#
141 9.5 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.85 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX001147.D
Acq: 27 Apr 2018 02:24

Tgt Ion: 59 Resp: 602
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 1.18 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.02 min

Lab File: VX001147.D

Acq: 27 Apr 2018 02:24

Instrument :

MSVOA_X

ClientSampleId :

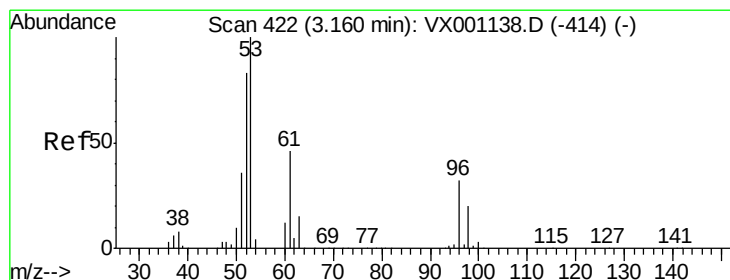
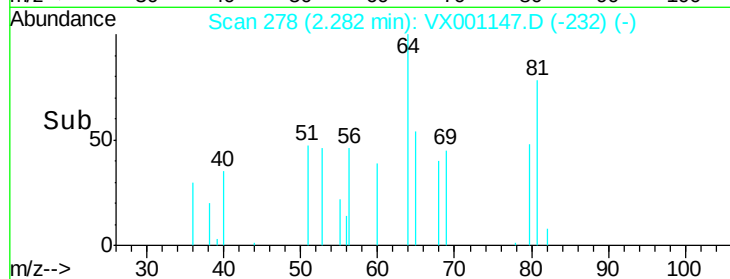
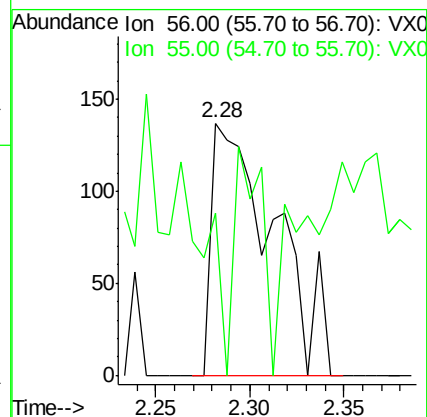
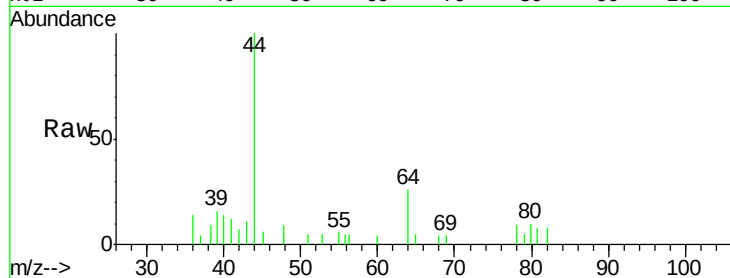
PB108612ZHE#10

Tgt Ion: 56 Resp: 316

Ion Ratio Lower Upper

56 100

55 38.6 57.2 85.8#



#15

Acrylonitrile

Concen: 0.47 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.02 min

Lab File: VX001147.D

Acq: 27 Apr 2018 02:24

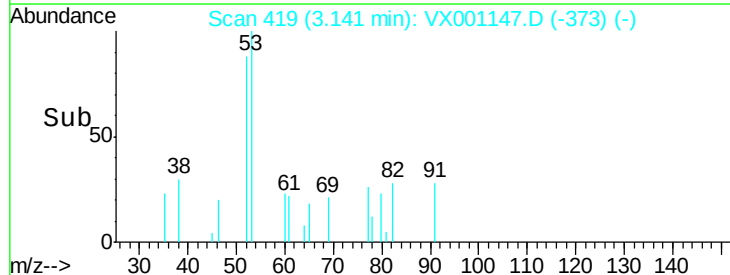
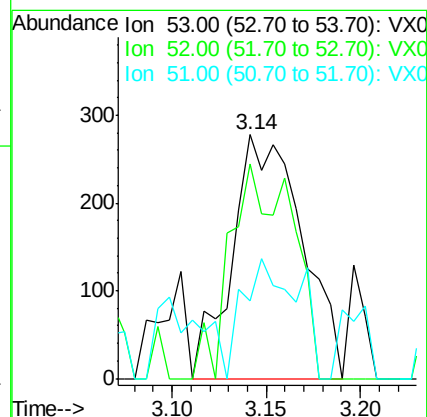
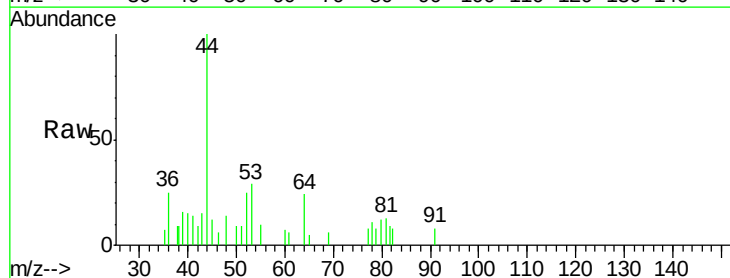
Tgt Ion: 53 Resp: 716

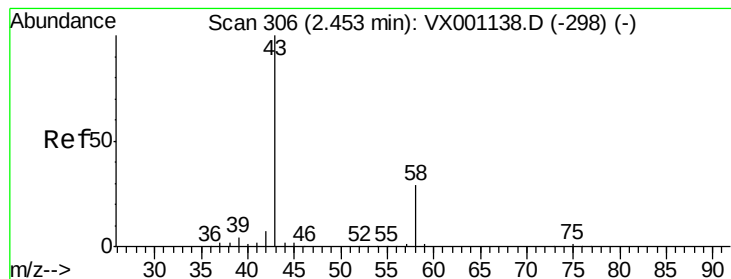
Ion Ratio Lower Upper

53 100

52 78.5 66.5 99.7

51 38.1 29.5 44.3





#16

Acetone

Concen: 2.85 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001147.D

Acq: 27 Apr 2018 02:24

Instrument :

MSVOA_X

ClientSampleId :

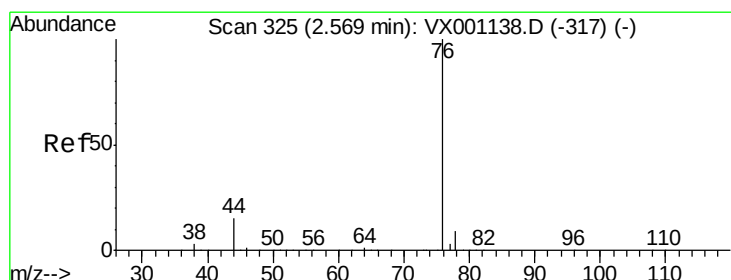
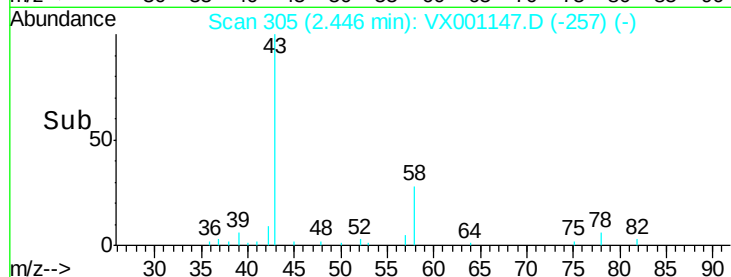
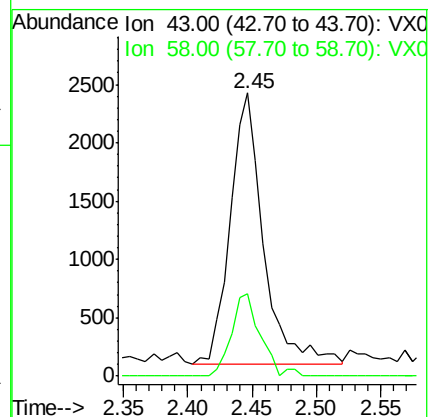
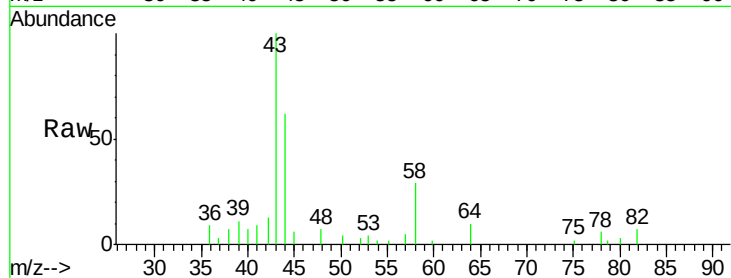
PB108612ZHE#10

Tgt Ion: 43 Resp: 4210

Ion Ratio Lower Upper

43 100

58 30.2 23.0 34.6



#17

Carbon Disulfide

Concen: 0.31 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001147.D

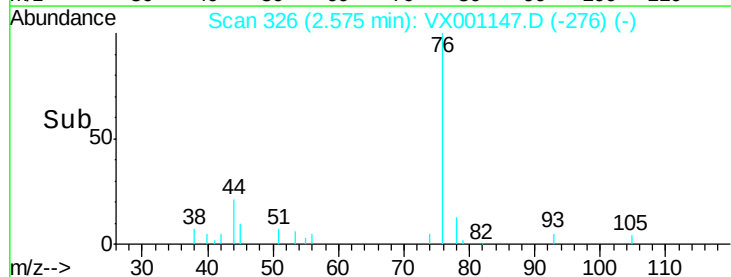
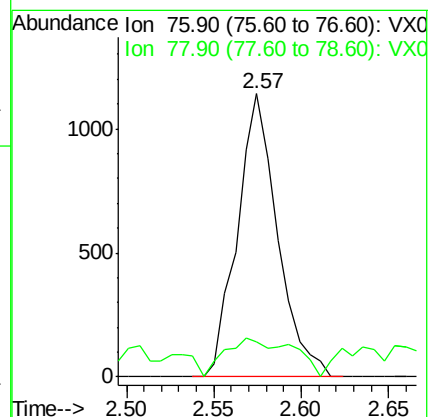
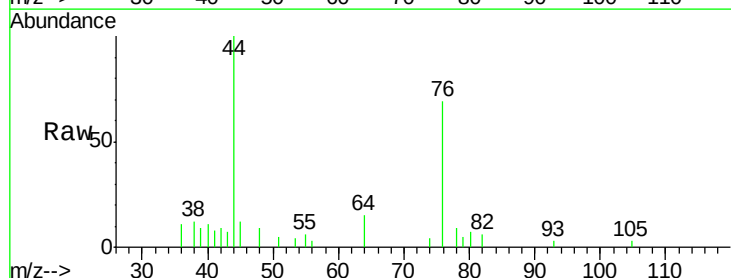
Acq: 27 Apr 2018 02:24

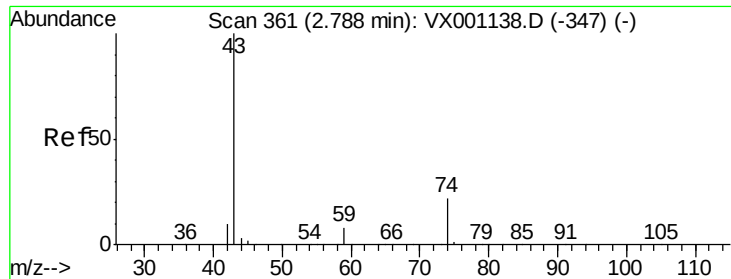
Tgt Ion: 76 Resp: 1823

Ion Ratio Lower Upper

76 100

78 5.0 7.3 10.9#

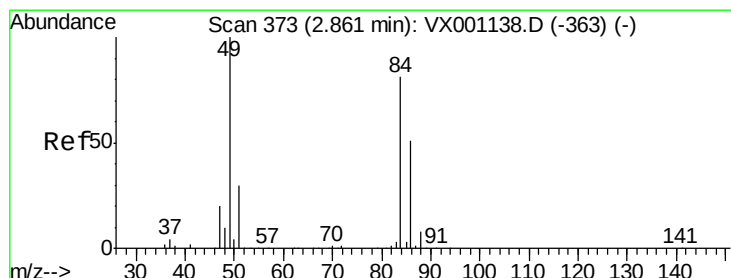
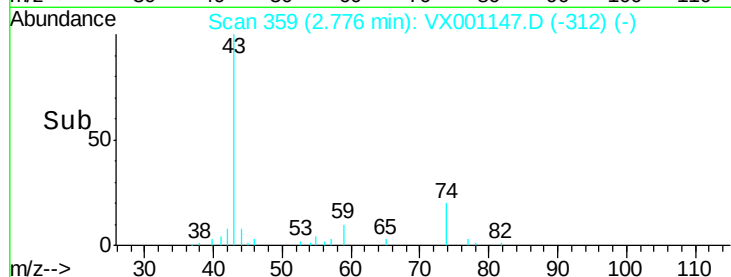
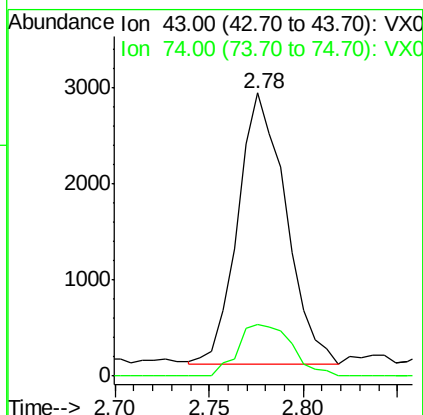
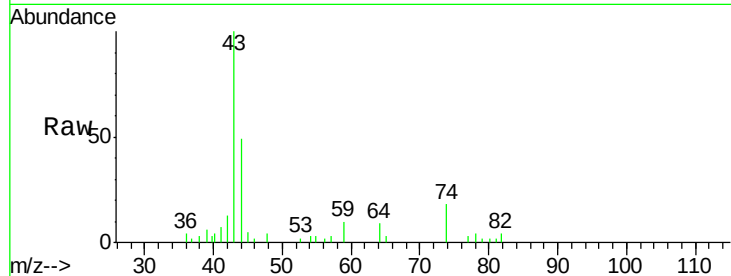




#18
Methyl Acetate
Concen: 1.35 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX001147.D
Acq: 27 Apr 2018 02:24

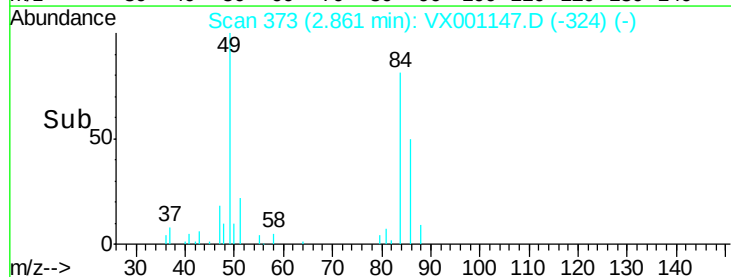
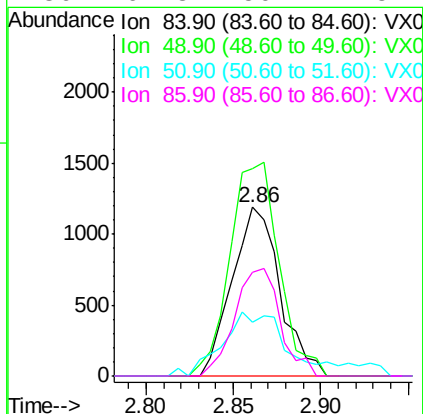
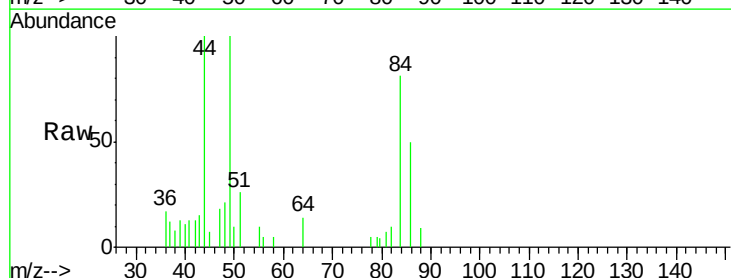
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#10

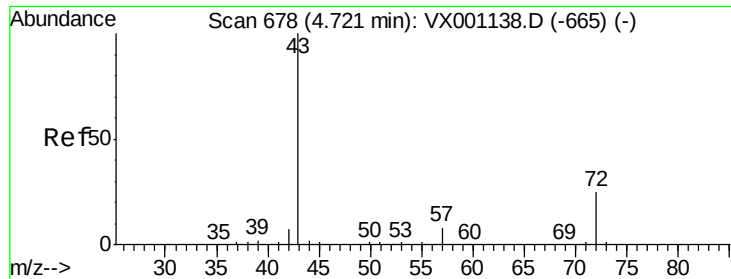
Tgt Ion: 43 Resp: 4970
Ion Ratio Lower Upper
43 100
74 21.6 18.1 27.1



#20
Methylene Chloride
Concen: 0.83 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001147.D
Acq: 27 Apr 2018 02:24

Tgt Ion: 84 Resp: 2277
Ion Ratio Lower Upper
84 100
49 122.9 99.2 148.8
51 32.2 29.5 44.3
86 61.3 50.2 75.2





#25

2-Butanone

Concen: 0.85 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001147.D

Acq: 27 Apr 2018 02:24

Instrument :

MSVOA_X

ClientSampleId :

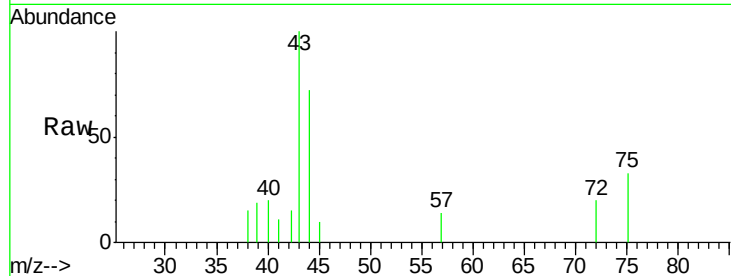
PB108612ZHE#10

Tgt Ion: 43 Resp: 1881

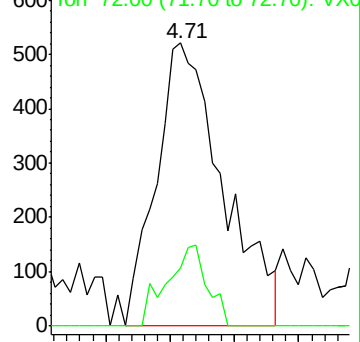
Ion Ratio Lower Upper

43 100

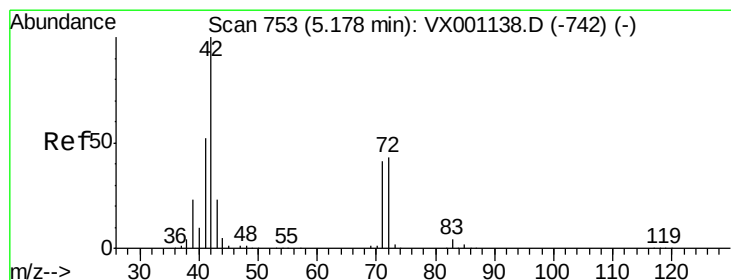
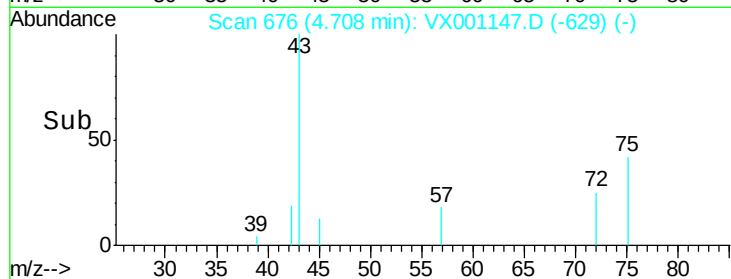
72 20.3 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VX001138.D (-665) (-)



Time-->



#29

Tetrahydrofuran

Concen: 0.76 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001147.D

Acq: 27 Apr 2018 02:24

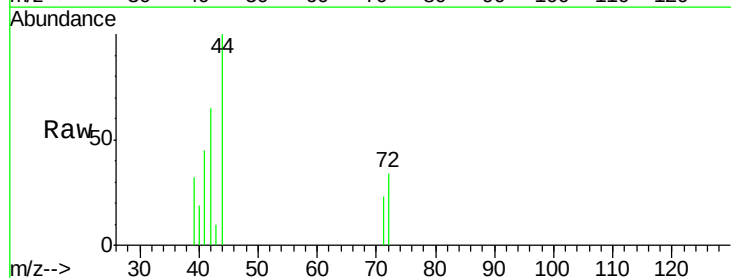
Tgt Ion: 42 Resp: 1078

Ion Ratio Lower Upper

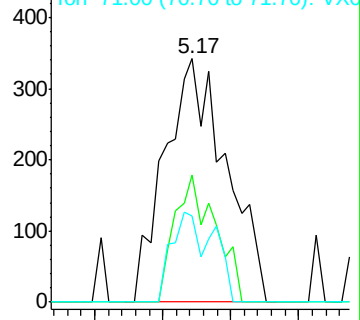
42 100

72 34.5 34.4 51.6

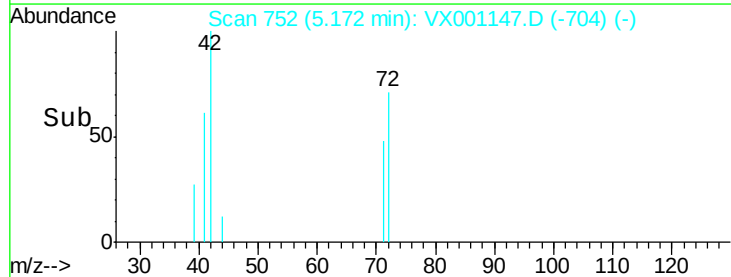
71 16.2 32.1 48.1#

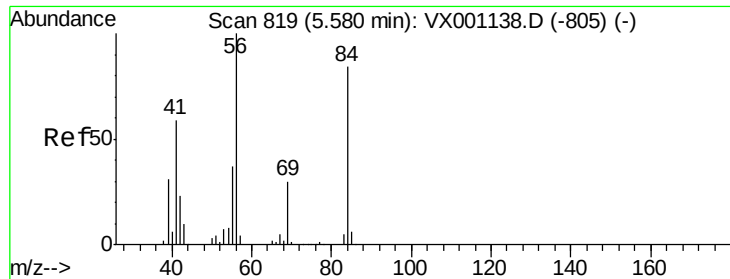


Abundance Ion 42.00 (41.70 to 42.70): VX001138.D (-742) (-)



Time-->

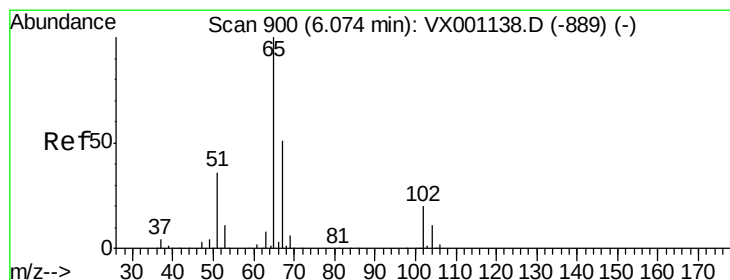
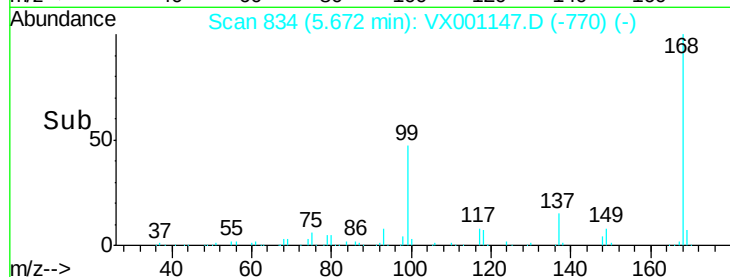
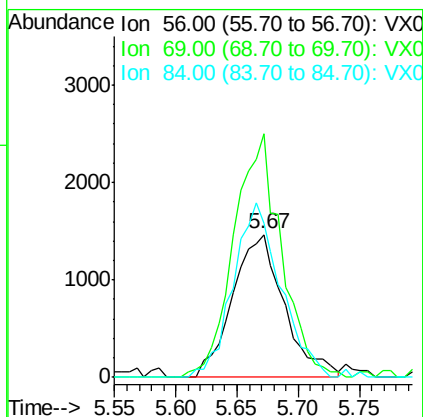
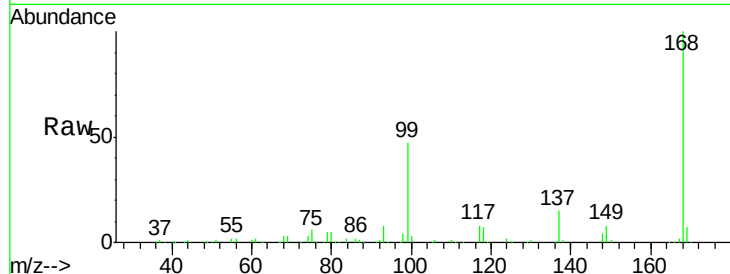




#31
Cyclohexane
Concen: 1.13 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001147.D
Acq: 27 Apr 2018 02:24

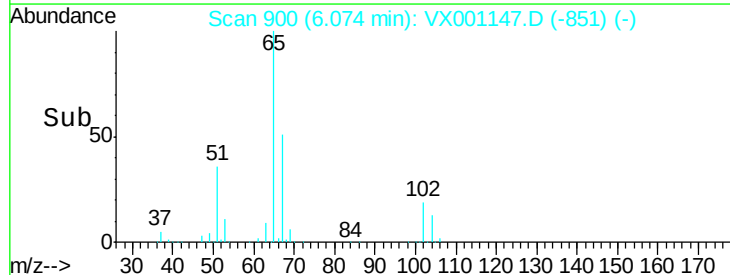
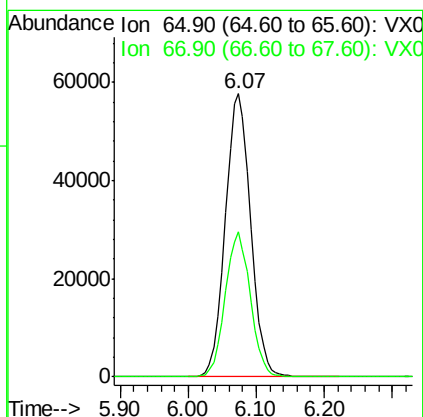
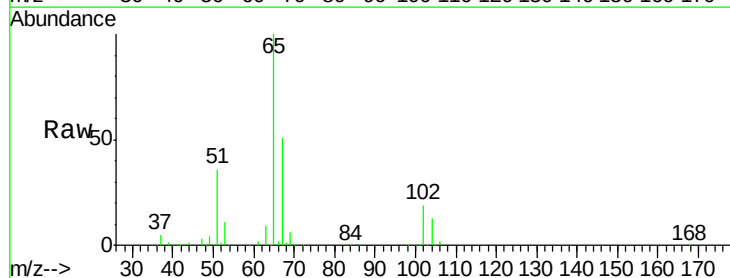
Instrument :
MSVOA_X
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PB108612ZHE#10

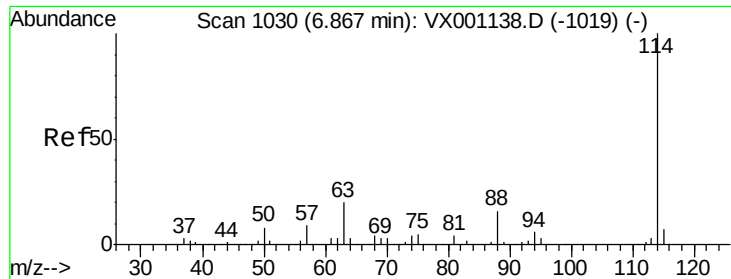
Tgt Ion: 56 Resp: 4301
Ion Ratio Lower Upper
56 100
69 166.1 24.2 36.2#
84 107.4 67.5 101.3#



#33
1,2-Dichloroethane-d4
Concen: 41.41 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001147.D
Acq: 27 Apr 2018 02:24

Tgt Ion: 65 Resp: 148641
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001147.D

Acq: 27 Apr 2018 02:24

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#10

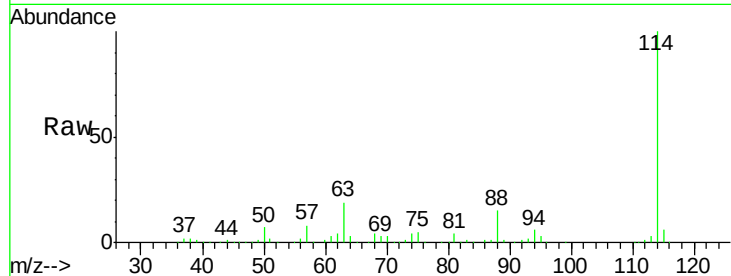
Tgt Ion:114 Resp: 320737

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.4

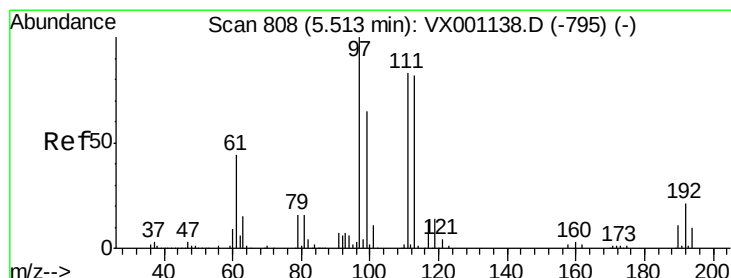
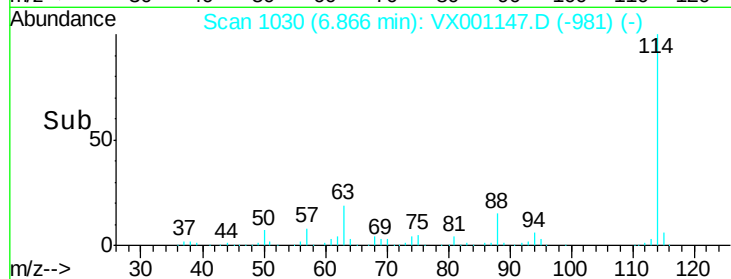
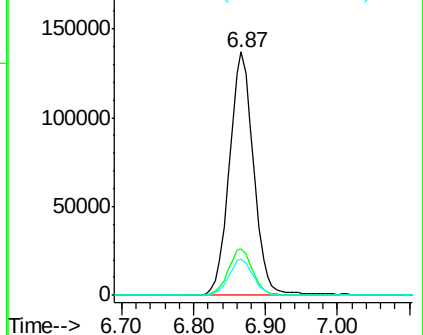
88 15.0 0.0 31.8



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: 43.95 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001147.D

Acq: 27 Apr 2018 02:24

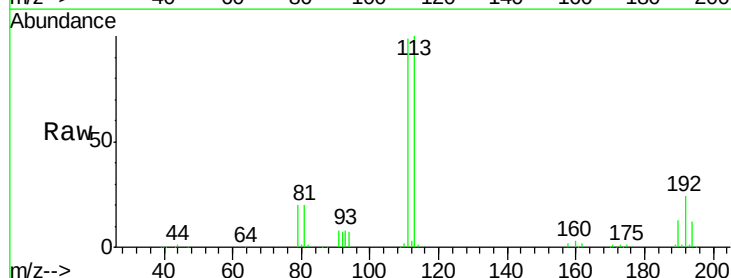
Tgt Ion:113 Resp: 116683

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

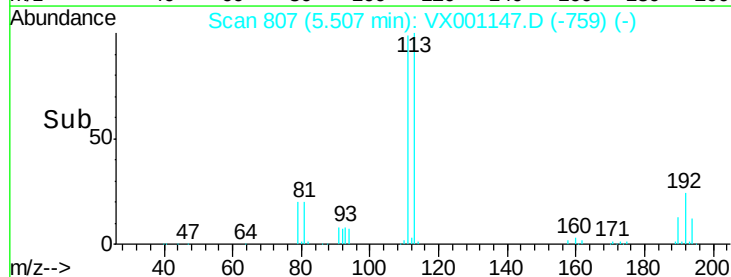
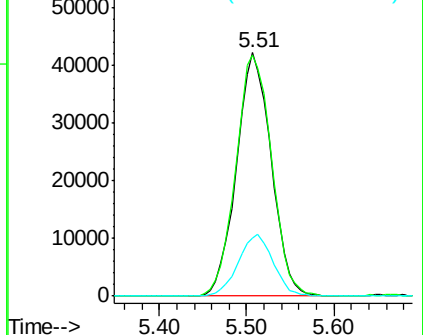
192 25.4 20.6 30.8

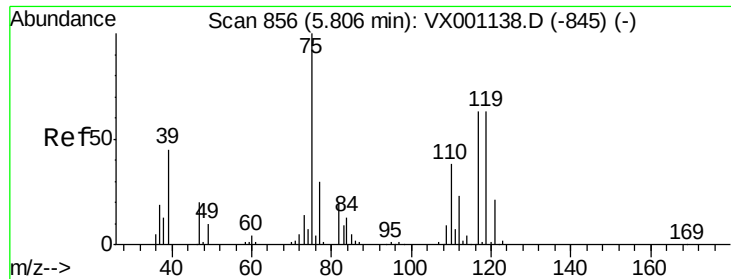


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

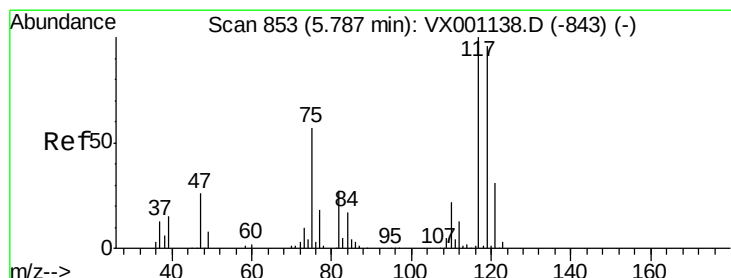
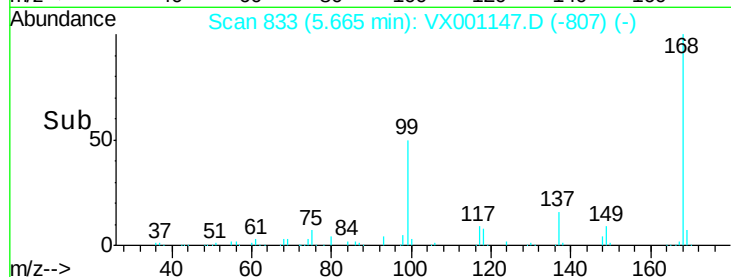
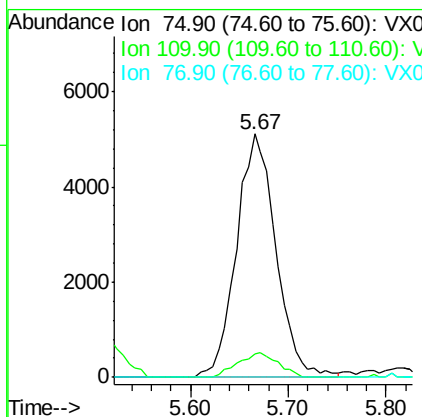
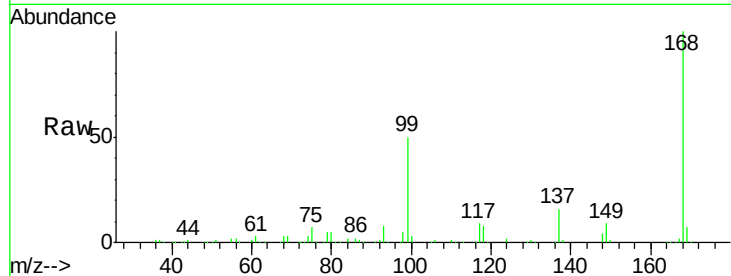




#36
 1,1-Dichloropropene
 Concen: 4.05 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001147.D
 Acq: 27 Apr 2018 02:24

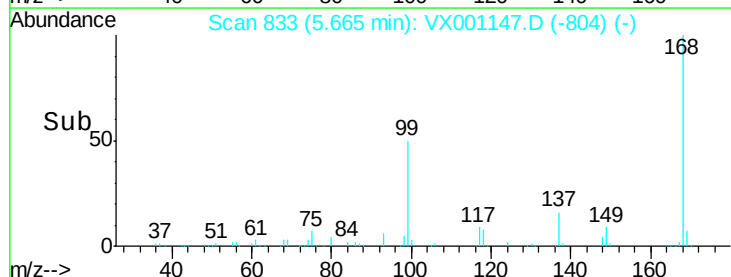
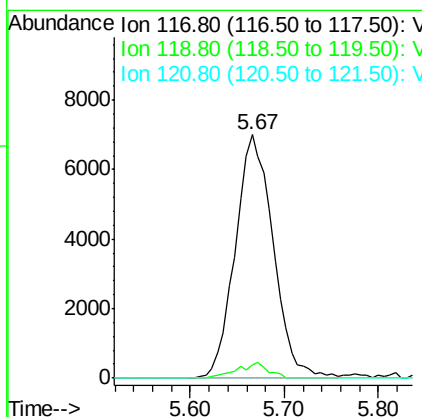
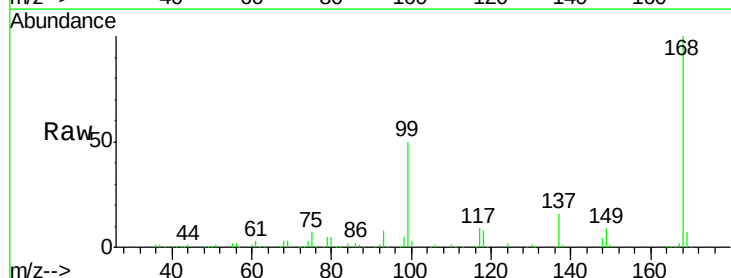
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#10

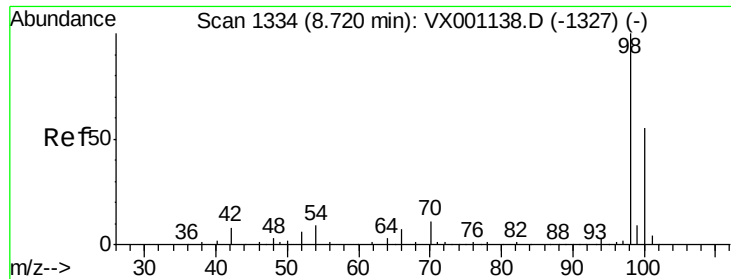
Tgt Ion: 75 Resp: 14330
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.0 57.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.41 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001147.D
 Acq: 27 Apr 2018 02:24

Tgt Ion: 117 Resp: 19594
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.5 114.7#
 121 0.0 24.6 37.0#

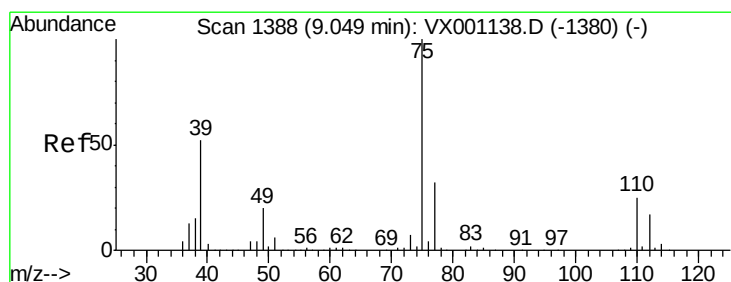
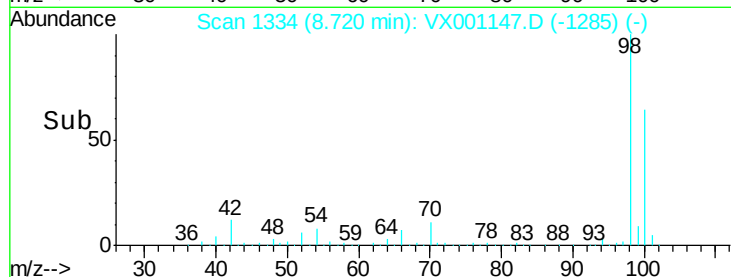
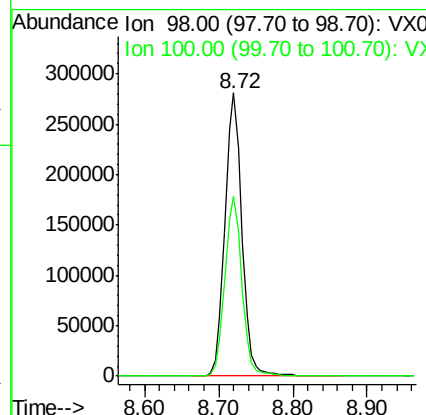
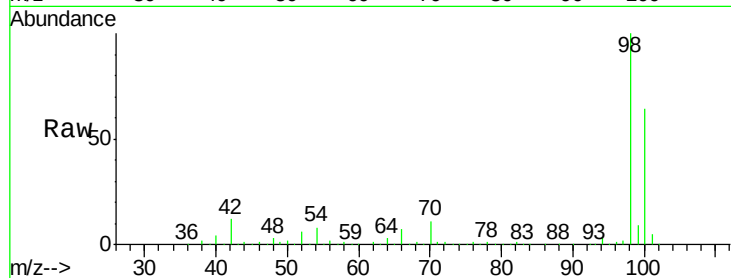




#50
Toluene-d8
Concen: 44.60 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001147.D
Acq: 27 Apr 2018 02:24

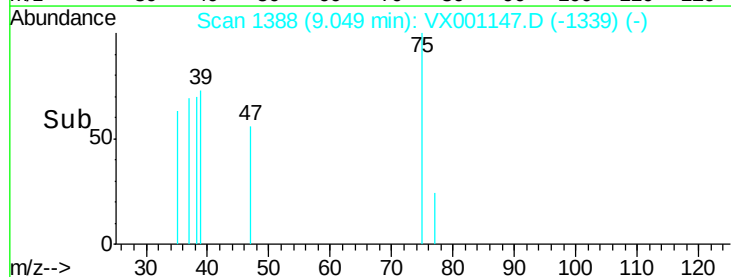
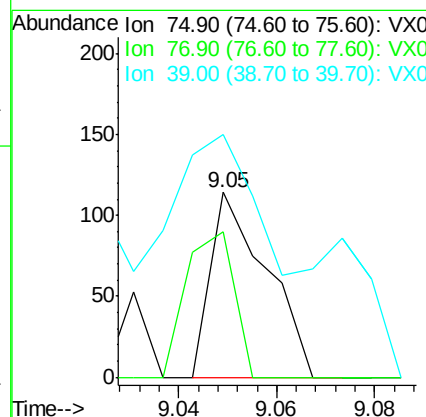
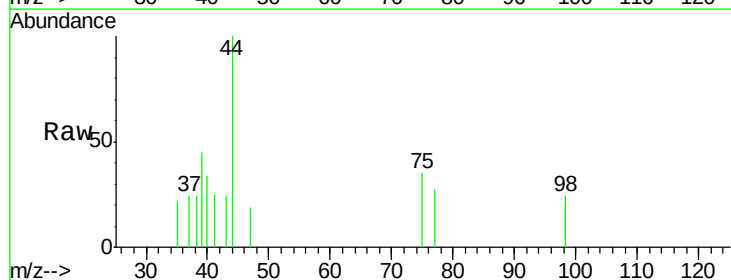
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#10

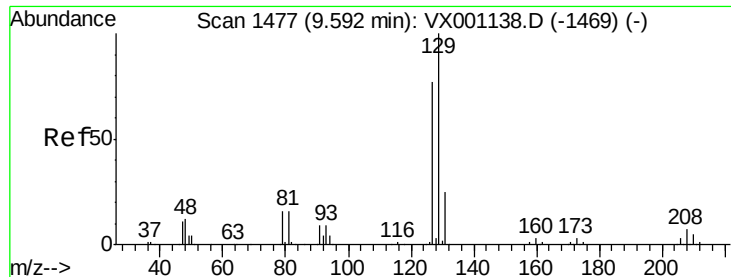
Tgt Ion: 98 Resp: 446807
Ion Ratio Lower Upper
98 100
100 63.5 51.8 77.6



#54
cis-1,3-Dichloropropene
Concen: 3.21 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001147.D
Acq: 27 Apr 2018 02:24

Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
77 78.9 25.4 38.2#
39 56.1 42.0 63.0





#60

Dibromochloromethane

Concen: 3.40 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001147.D

Acq: 27 Apr 2018 02:24

Instrument :

MSVOA_X

ClientSampleId :

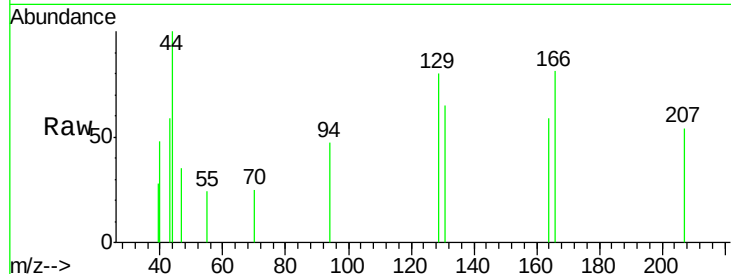
PB108612ZHE#10

Tgt Ion:129 Resp: 195

Ion Ratio Lower Upper

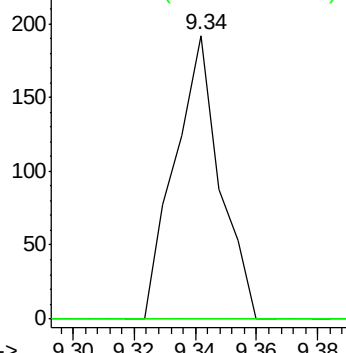
129 100

127 0.0 38.4 115.2#

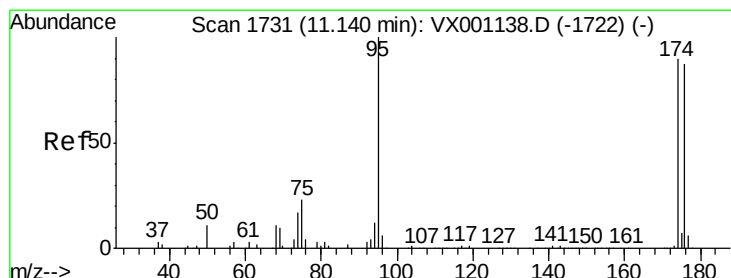
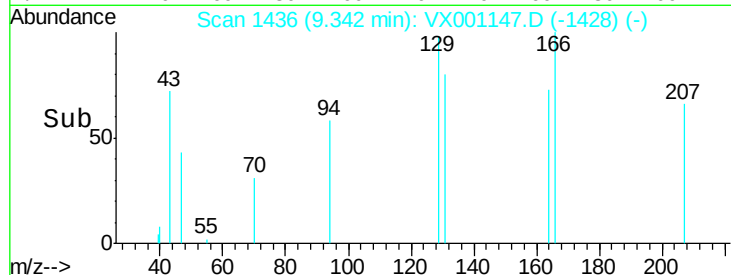


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 41.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001147.D

Acq: 27 Apr 2018 02:24

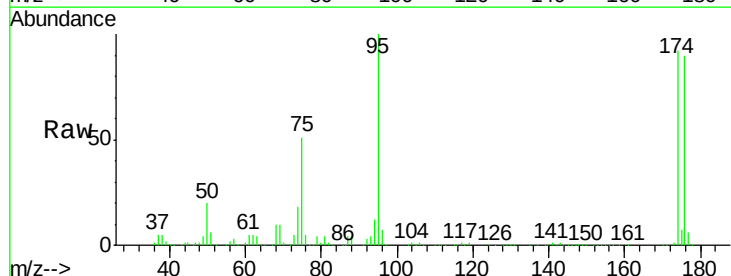
Tgt Ion: 95 Resp: 160955

Ion Ratio Lower Upper

95 100

174 98.6 0.0 194.4

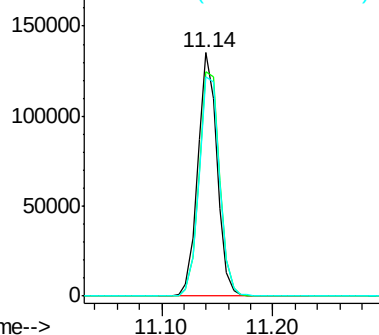
176 96.6 0.0 190.2



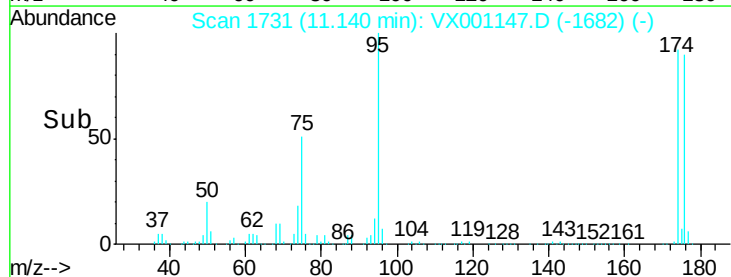
Abundance Ion 94.90 (94.60 to 95.60): VX0

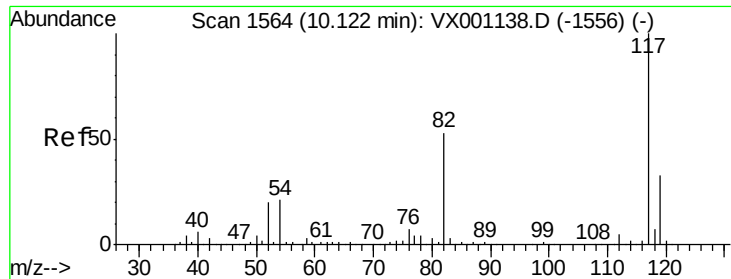
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

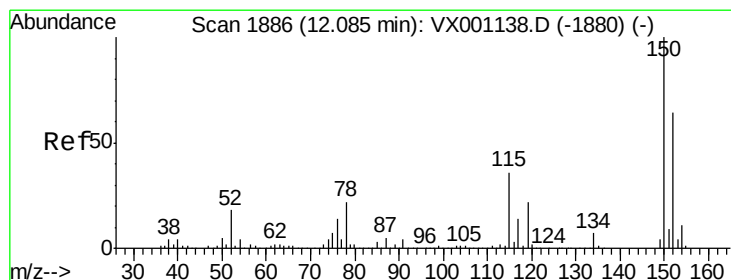
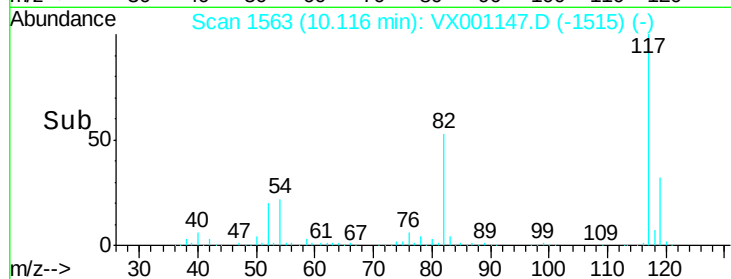
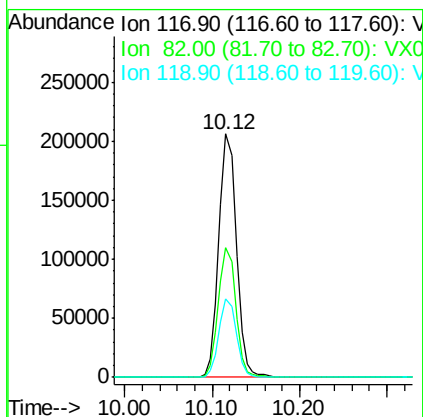
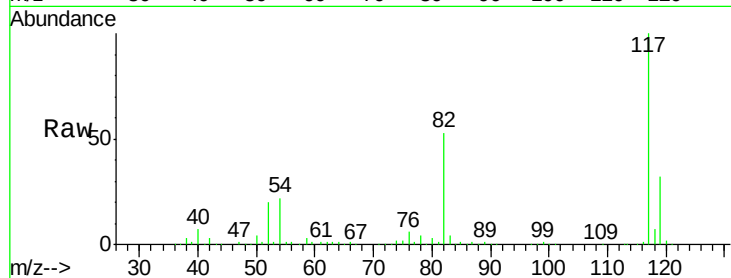




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001147.D
Acq: 27 Apr 2018 02:24

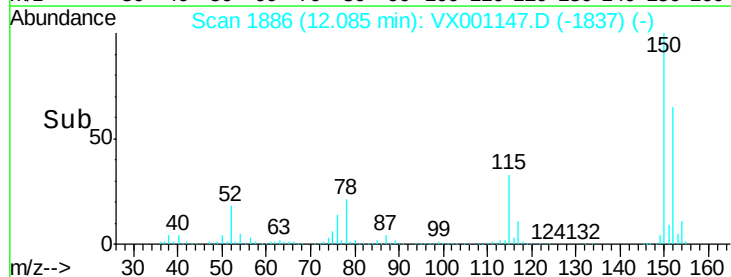
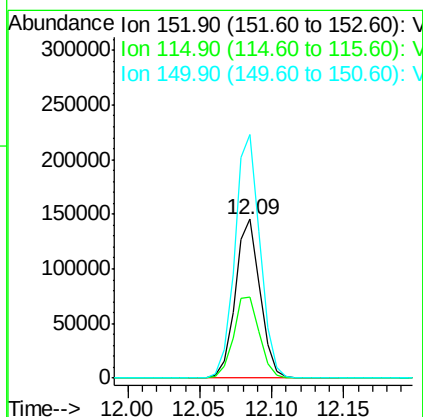
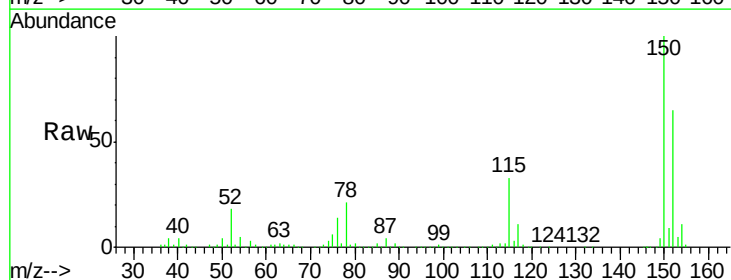
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#10

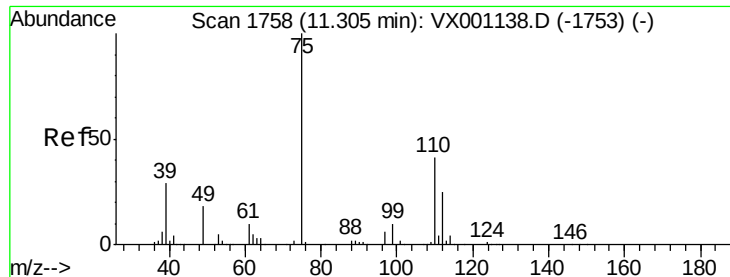
Tgt Ion:117 Resp: 287947
Ion Ratio Lower Upper
117 100
82 53.2 42.1 63.1
119 32.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001147.D
Acq: 27 Apr 2018 02:24

Tgt Ion:152 Resp: 173936
Ion Ratio Lower Upper
152 100
115 53.6 38.0 114.0
150 156.3 0.0 349.6

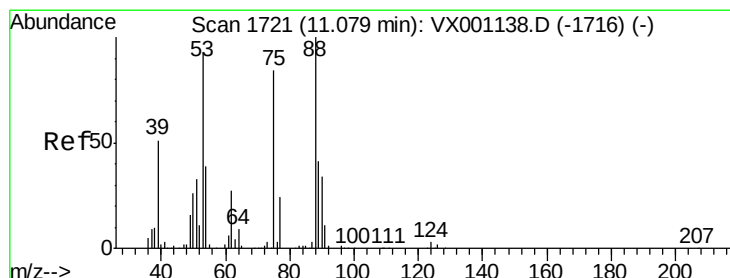
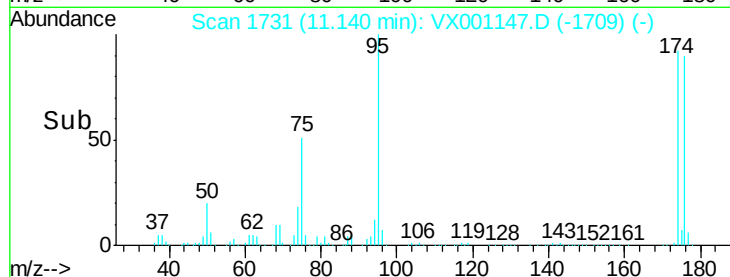
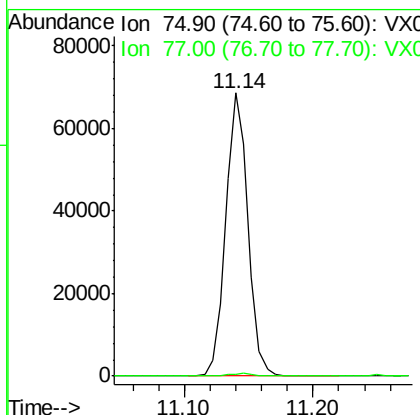
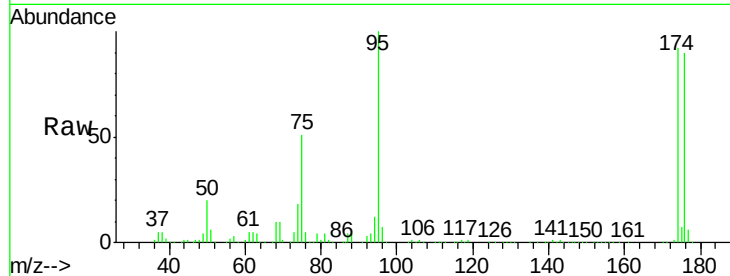




#76
 1,2,3-Trichloropropane
 Concen: 23.52 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001147.D
 Acq: 27 Apr 2018 02:24

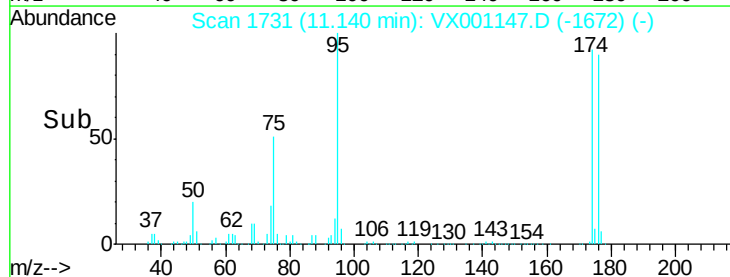
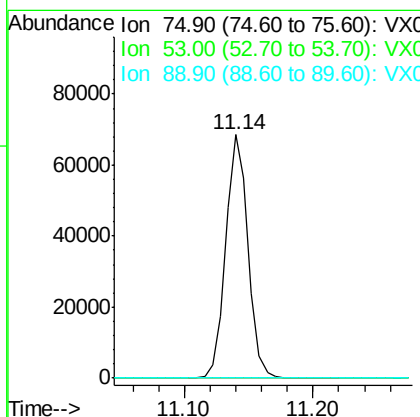
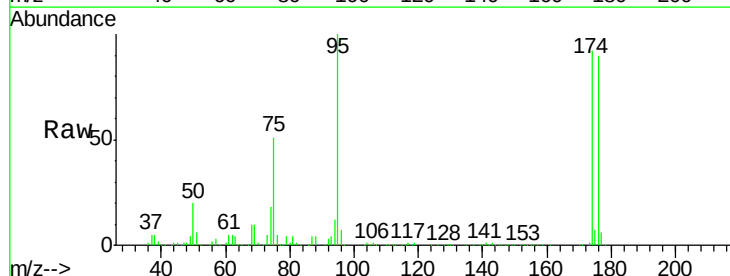
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#10

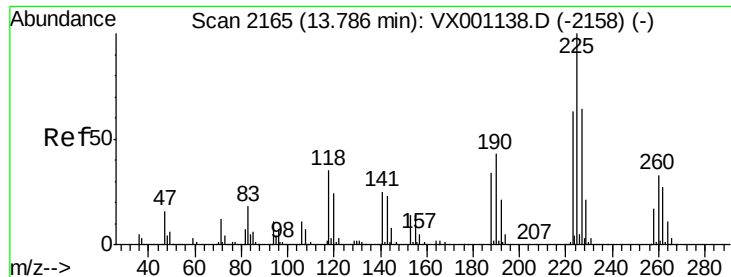
Tgt Ion: 75 Resp: 83307
 Ion Ratio Lower Upper
 75 100
 77 0.9 18.9 56.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.23 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001147.D
 Acq: 27 Apr 2018 02:24

Tgt Ion: 75 Resp: 83307
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.9 131.9#
 89 0.0 37.7 56.5#





#94

Hexachlorobutadiene

Concen: 0.23 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX001147.D

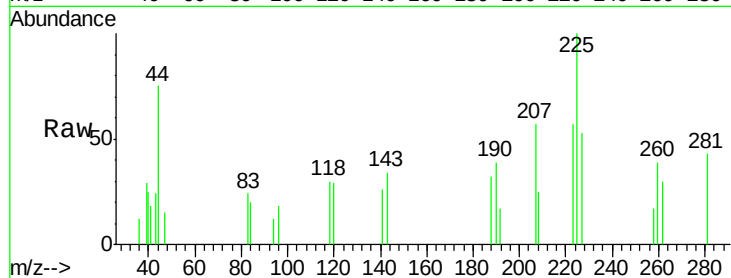
Acq: 27 Apr 2018 02:24

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#10



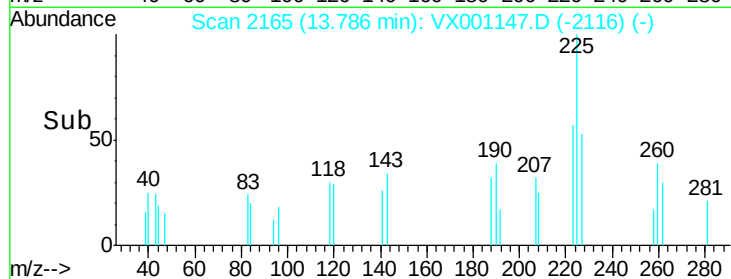
Tgt Ion: 225 Resp: 522

Ion Ratio Lower Upper

225 100

223 52.7 31.3 93.9

227 56.7 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

600

500

400

300

200

100

0

Time-->

13.75

13.80