

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003294.D
 Acq On : 10 Jul 2018 19:42
 Operator : JC/MD
 Sample : PB110944ZHE#08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB110944ZHE#08

Quant Time: Jul 11 00:55:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	347830	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	190324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	161184	40.74	ug/l	0.00
Spiked Amount			Recovery	=	81.48%	
35) Dibromofluoromethane	5.51	113	137798	36.88	ug/l	0.00
Spiked Amount			Recovery	=	73.76%	
50) Toluene-d8	8.72	98	502692	37.87	ug/l	0.00
Spiked Amount			Recovery	=	75.74%	
62) 4-Bromofluorobenzene	11.14	95	176338	35.95	ug/l	0.00
Spiked Amount			Recovery	=	71.90%	

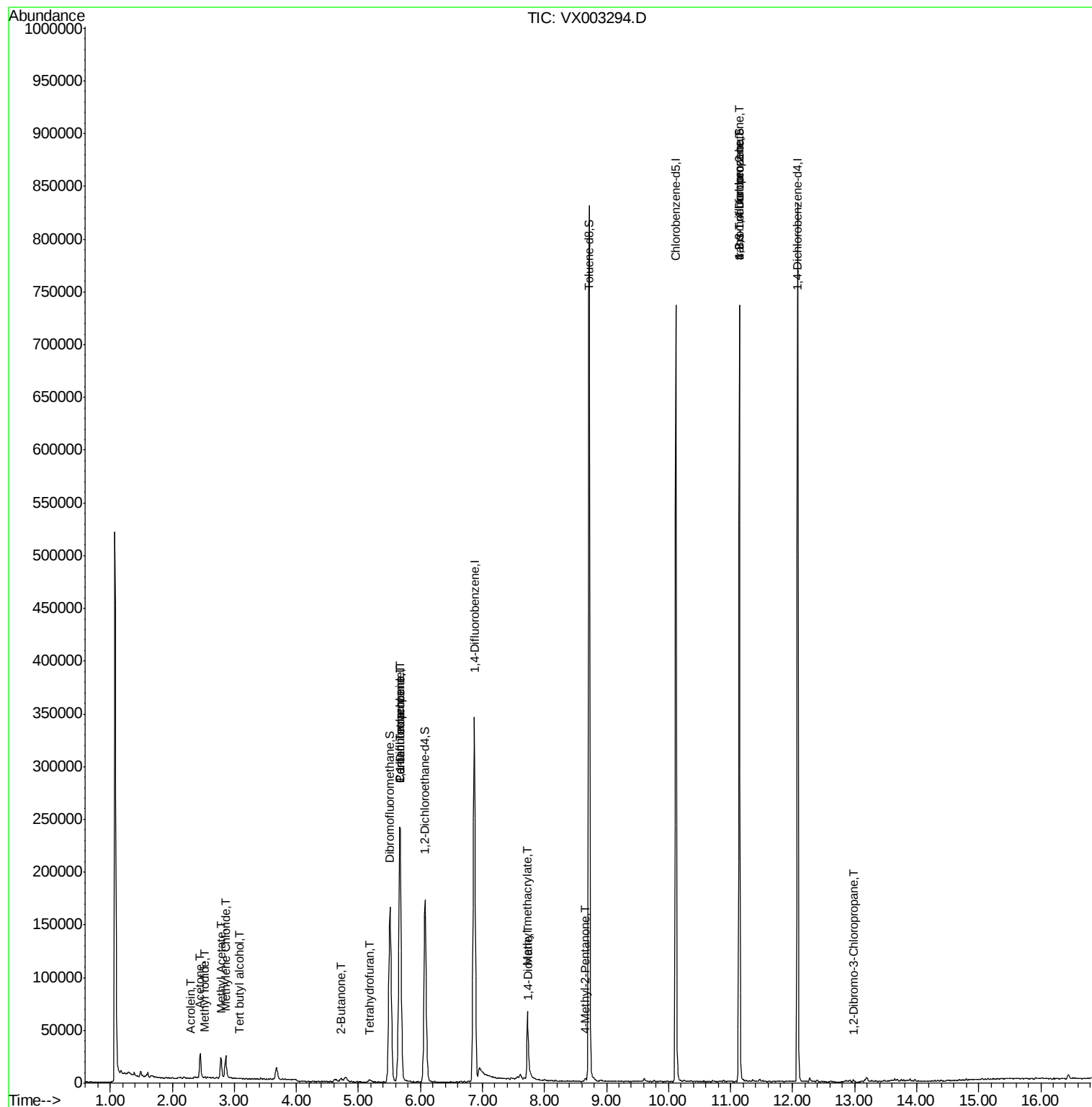
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1408	Below Cal		83
10) Methyl Iodide	2.51	142	1310	5.99	ug/l	91
11) Tert butyl alcohol	3.07	59	850	1.19	ug/l #	79
13) Acrolein	2.30	56	213	0.37	ug/l #	43
16) Acetone	2.45	43	27255	19.40	ug/l	96
18) Methyl Acetate	2.78	43	23827	6.01	ug/l	92
20) Methylene Chloride	2.86	84	10111	2.85	ug/l	92
25) 2-Butanone	4.71	43	5214	2.10	ug/l	92
29) Tetrahydrofuran	5.18	42	2257	1.40	ug/l	96
36) 1,1-Dichloropropene	5.67	75	16192	3.29	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22202	4.12	ug/l #	17
48) Methyl methacrylate	7.72	41	2651	0.61	ug/l #	16
49) 1,4-Dioxane	7.74	88	67	0.74	ug/l #	22
51) 4-Methyl-2-Pentanone	8.65	43	1824	0.35	ug/l	89
76) 1,2,3-Trichloropropane	11.14	75	86776	21.10	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	86776	68.95	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.98	75	283	0.28	ug/l #	1

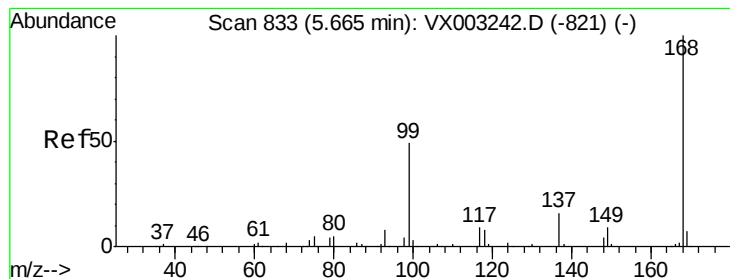
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003294.D

Acq: 10 Jul 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

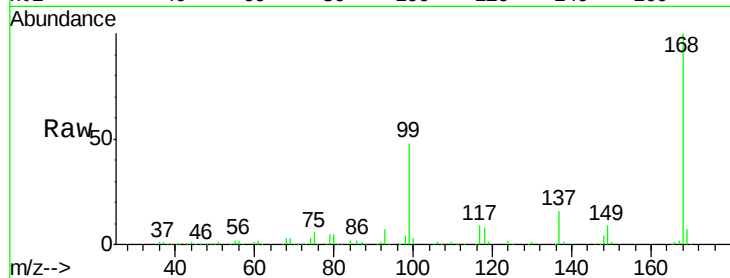
PB110944ZHE#08

Tot Ion:168 Resp: 251395

Ion Ratio Lower Upper

168 100

99 47.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

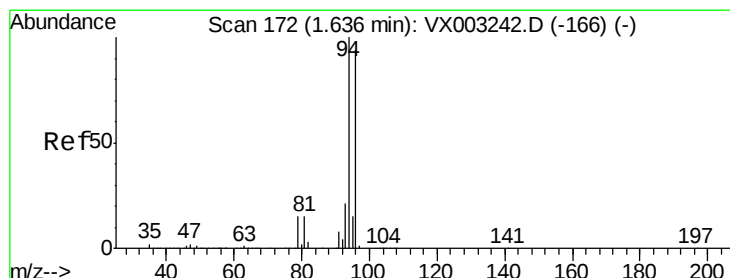
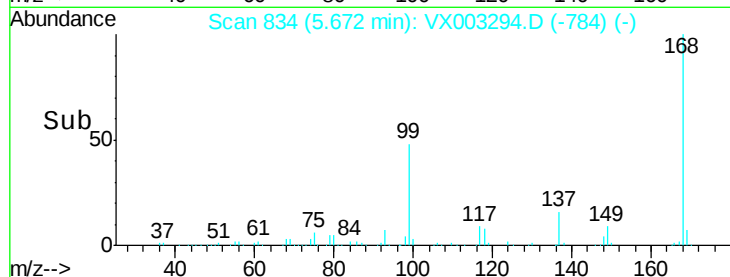
60000

40000

20000

0

Time--> 5.50 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: VX003294.D

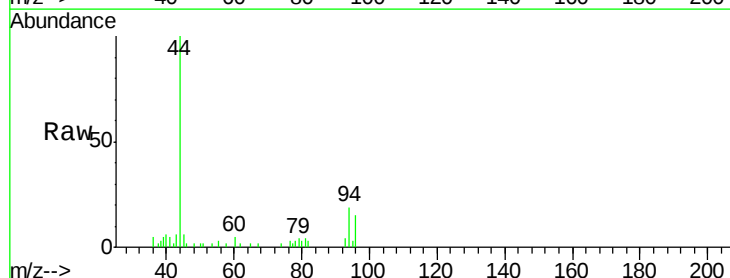
Acq: 10 Jul 2018 19:42

Tgt Ion: 94 Resp: 1408

Ion Ratio Lower Upper

94 100

96 77.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

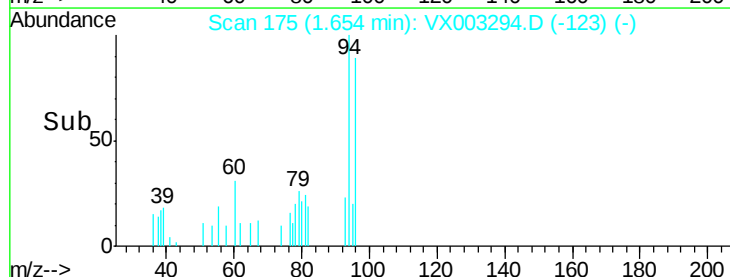
600

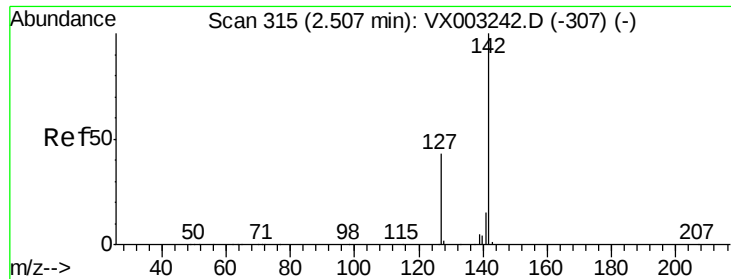
400

200

0

Time--> 1.60 1.65 1.70

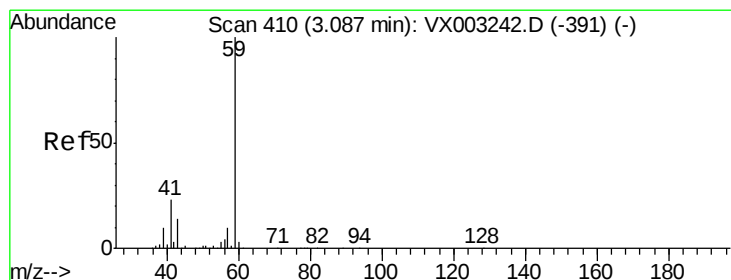
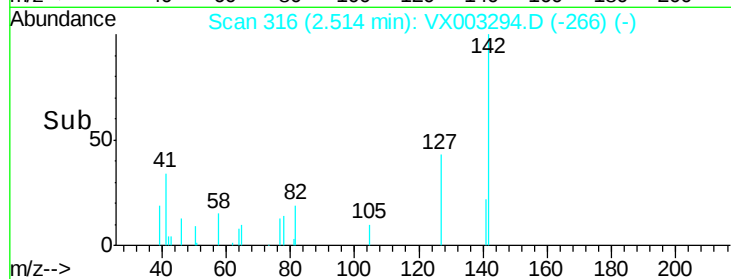
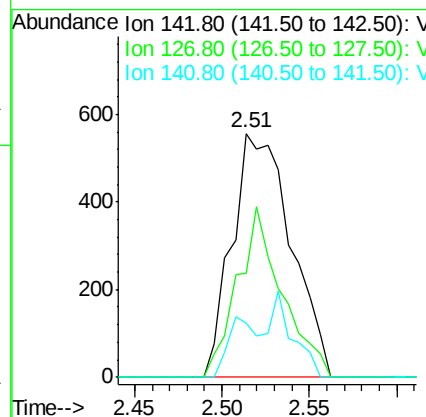
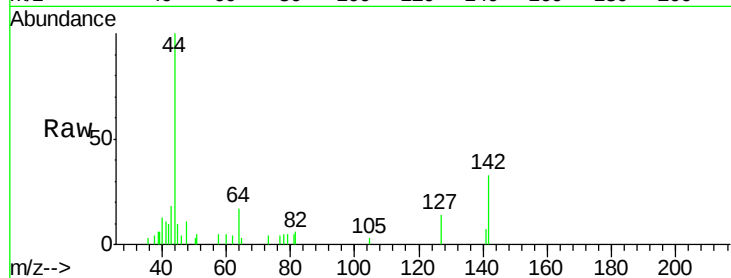




#10
Methvl Iodide
Concen: 5.99 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX003294.D
Acq: 10 Jul 2018 19:42

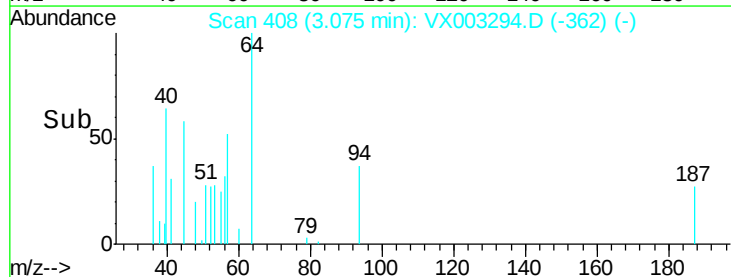
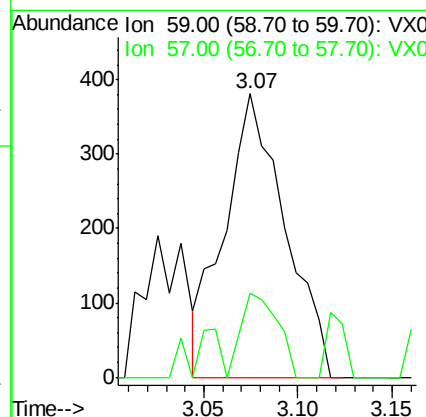
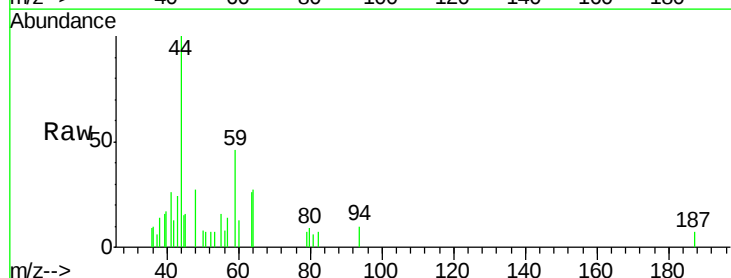
Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#08

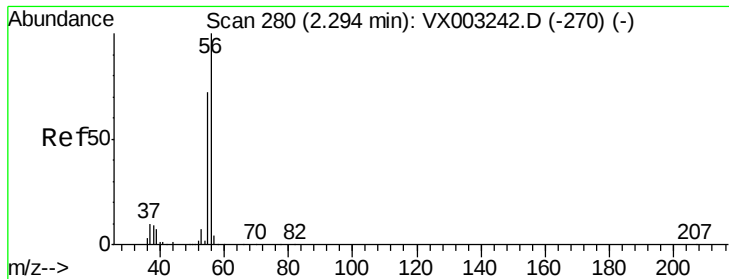
Tot Ion:142 Resp: 1310
Ion Ratio Lower Upper
142 100
127 52.6 36.6 55.0
141 11.5 11.3 16.9



#11
Tert butyl alcohol
Concen: 1.19 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.02 min
Lab File: VX003294.D
Acq: 10 Jul 2018 19:42

Tgt Ion: 59 Resp: 850
Ion Ratio Lower Upper
59 100
57 18.0 8.2 12.2#





#13

Acrolein

Concen: 0.37 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003294.D

Acq: 10 Jul 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

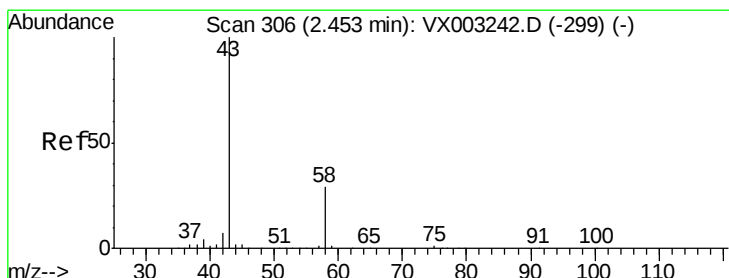
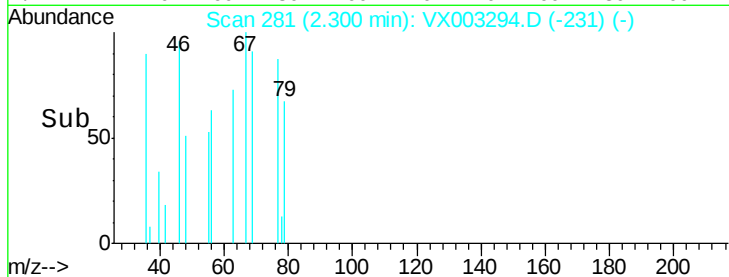
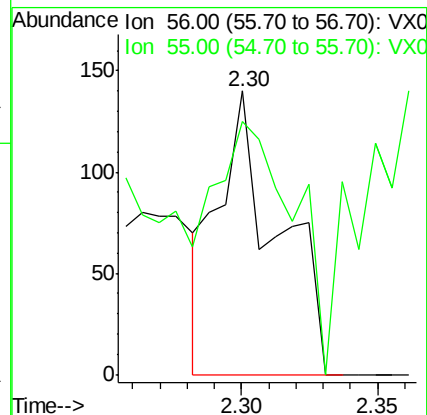
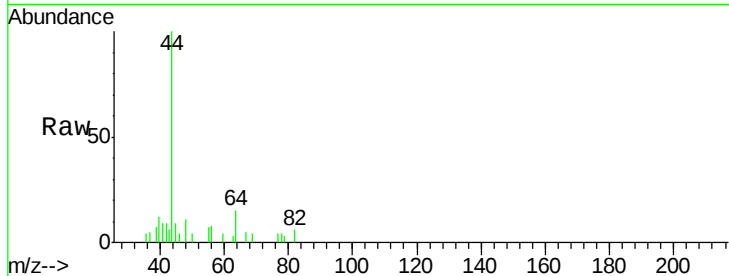
PB110944ZHE#08

Tot Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 118.8 57.0 85.4#



#16

Acetone

Concen: 19.40 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003294.D

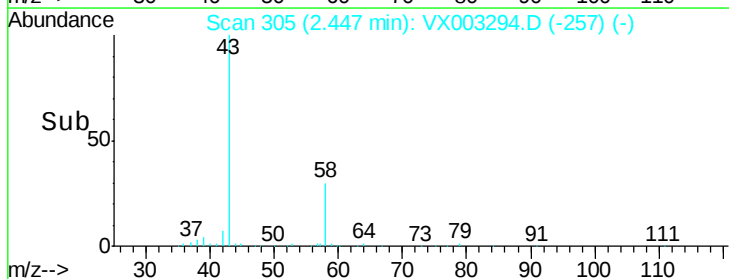
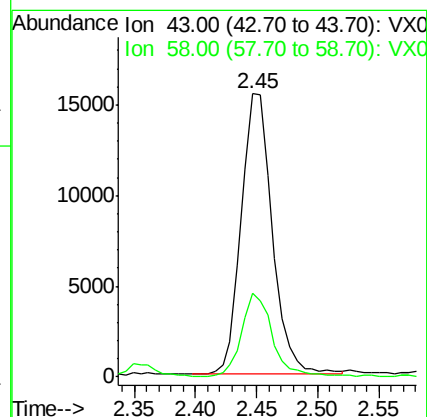
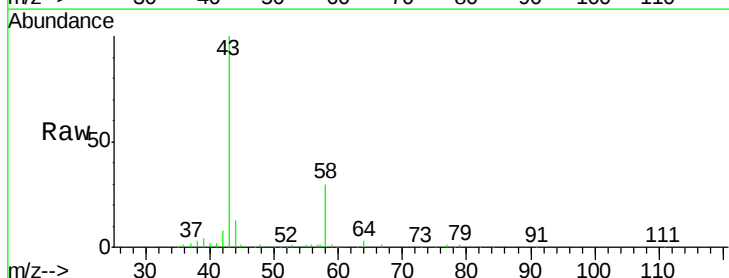
Acq: 10 Jul 2018 19:42

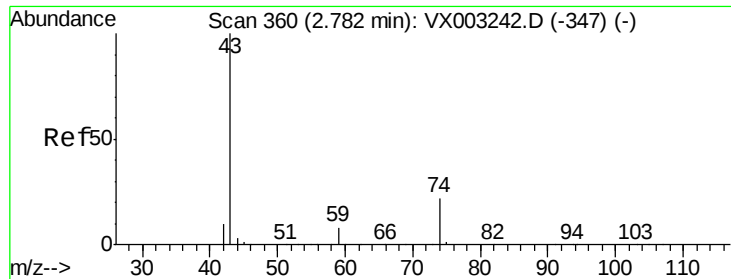
Tgt Ion: 43 Resp: 27255

Ion Ratio Lower Upper

43 100

58 29.9 22.1 33.1

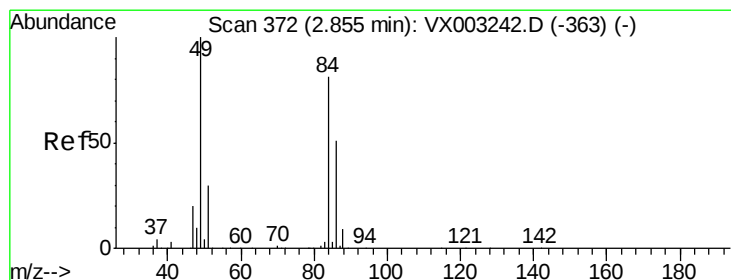
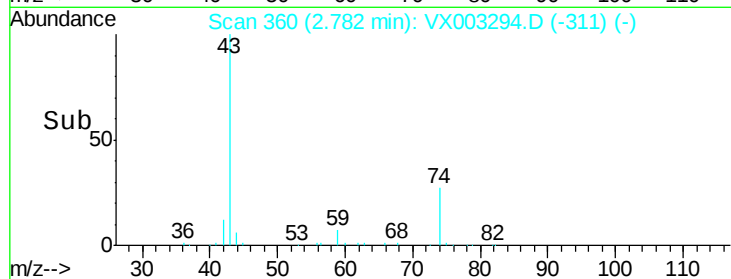
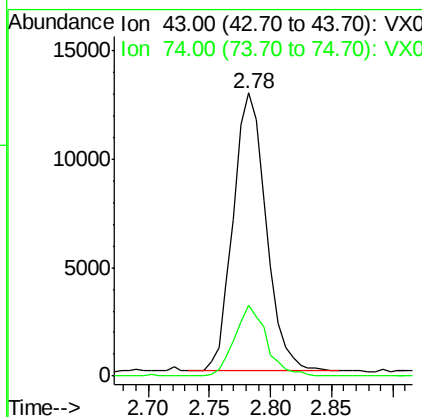
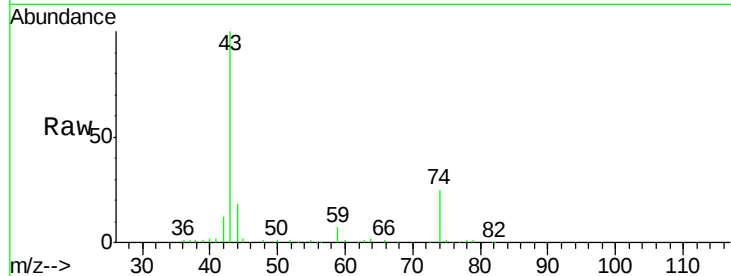




#18
Methvl Acetate
Concen: 6.01 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003294.D
Acq: 10 Jul 2018 19:42

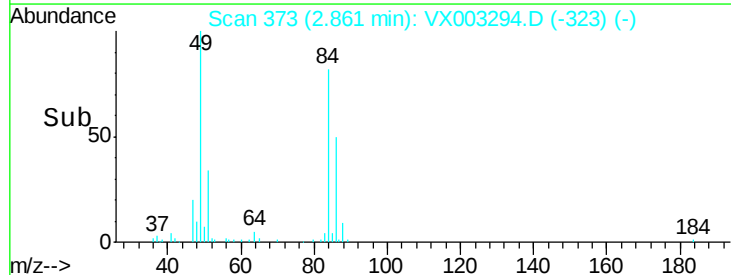
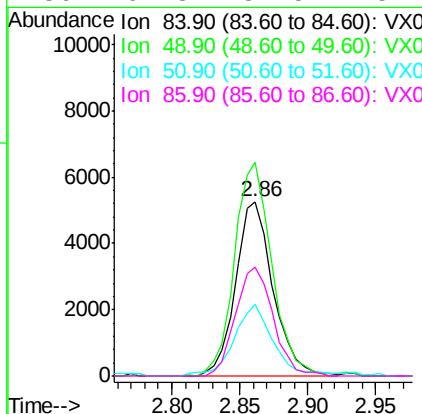
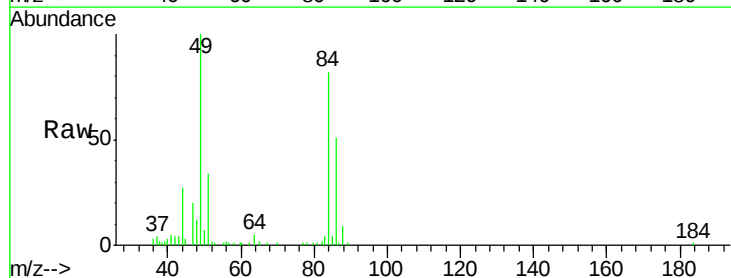
Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#08

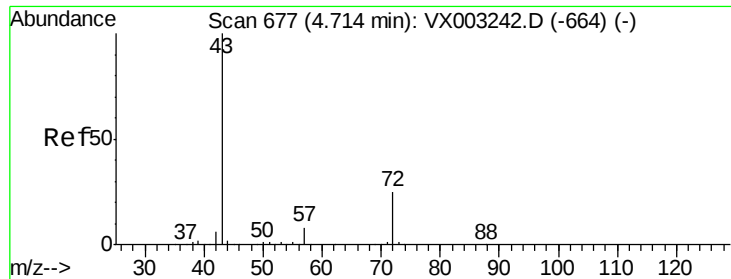
Tot Ion: 43 Resp: 23827
Ion Ratio Lower Upper
43 100
74 24.6 16.7 25.1



#20
Methylene Chloride
Concen: 2.85 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003294.D
Acq: 10 Jul 2018 19:42

Tgt Ion: 84 Resp: 10111
Ion Ratio Lower Upper
84 100
49 121.5 107.8 161.6
51 39.9 32.8 49.2
86 62.3 52.5 78.7





#25

2-Butanone

Concen: 2.10 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003294.D

Acq: 10 Jul 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

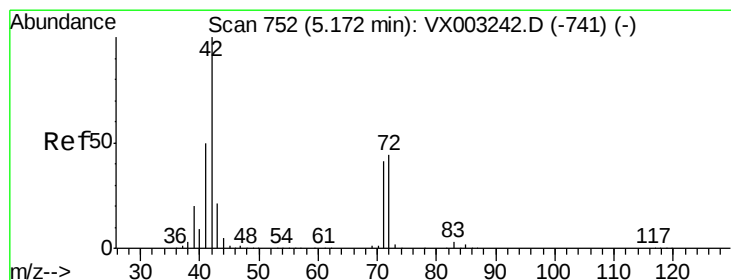
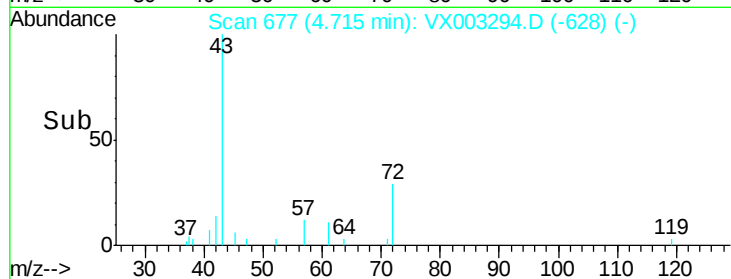
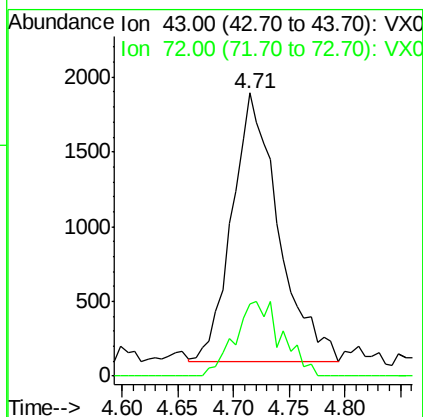
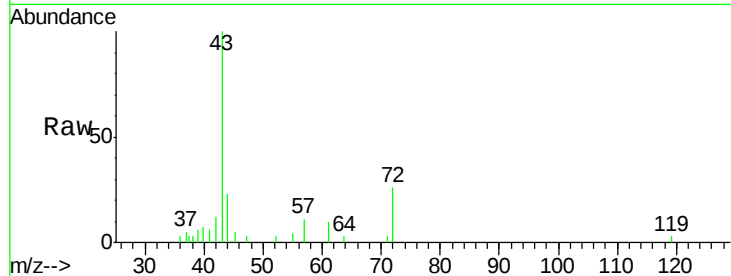
PB110944ZHE#08

Tot Ion: 43 Resp: 5214

Ion Ratio Lower Upper

43 100

72 26.9 18.5 27.7



#29

Tetrahydrofuran

Concen: 1.40 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003294.D

Acq: 10 Jul 2018 19:42

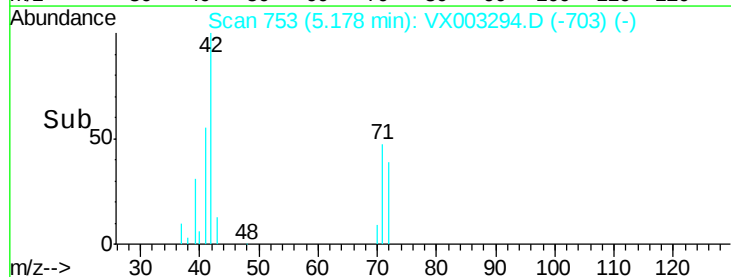
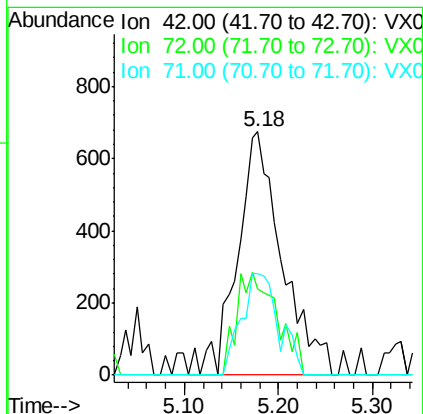
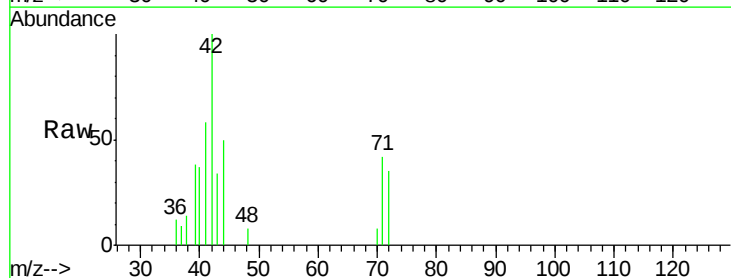
Tgt Ion: 42 Resp: 2257

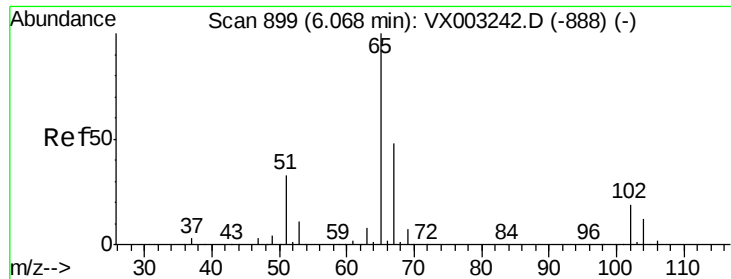
Ion Ratio Lower Upper

42 100

72 37.9 32.0 48.0

71 34.9 30.1 45.1

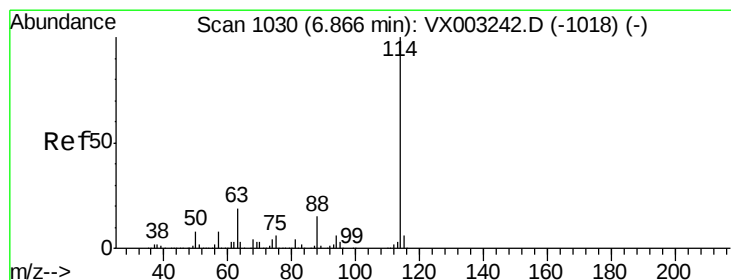
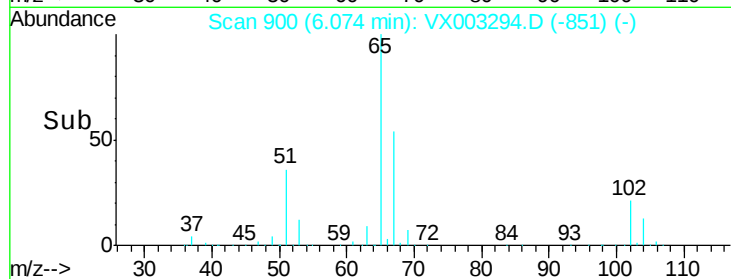
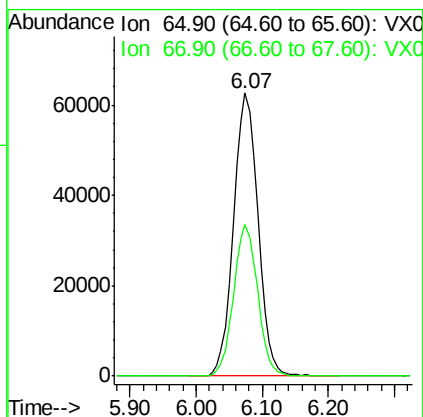
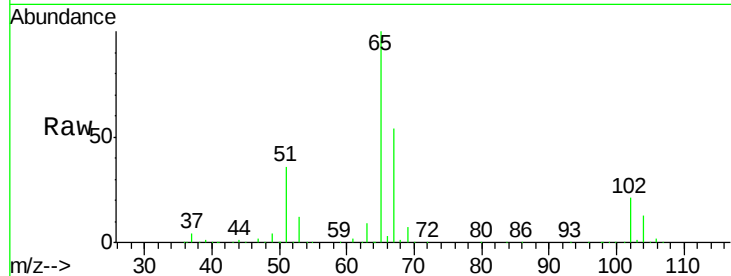




#33
 1,2-Dichloroethane-d4
 Concen: 40.74 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003294.D
 Acq: 10 Jul 2018 19:42

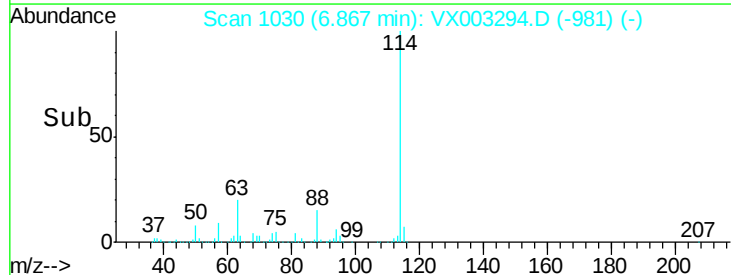
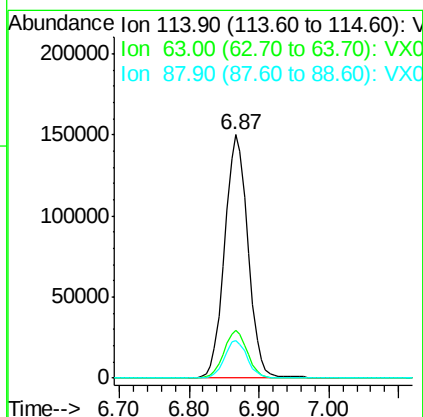
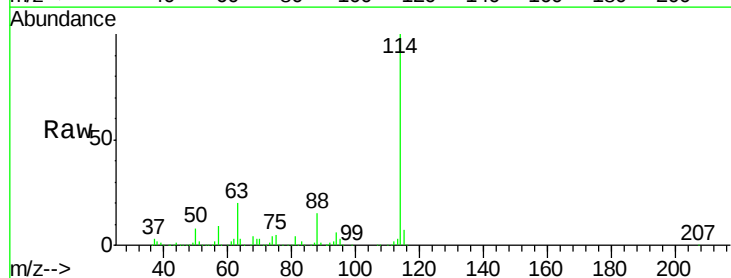
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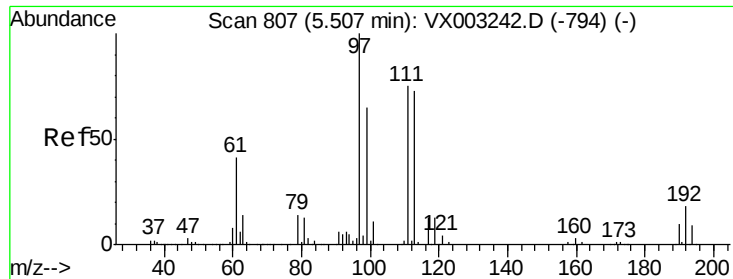
Tot Ion: 65 Resp: 161184
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003294.D
 Acq: 10 Jul 2018 19:42

Tgt Ion: 114 Resp: 347830
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.2 0.0 30.0

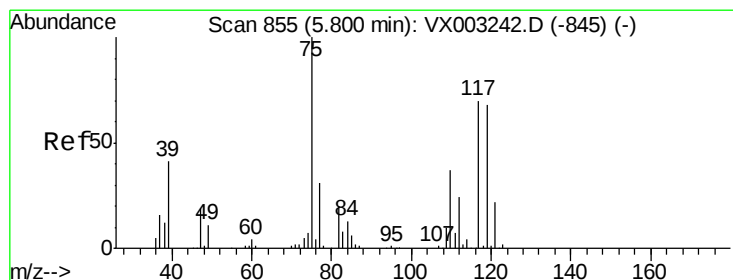
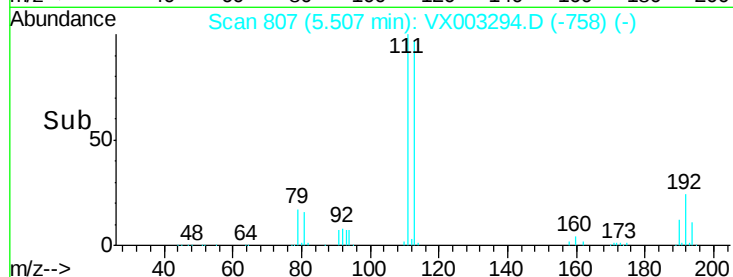
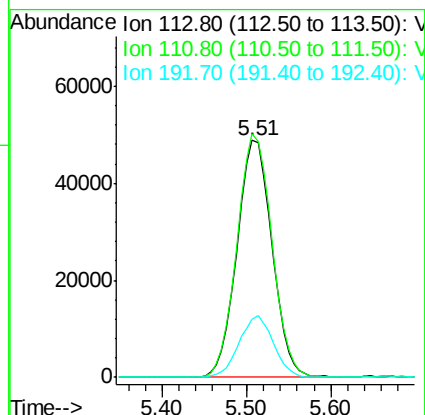
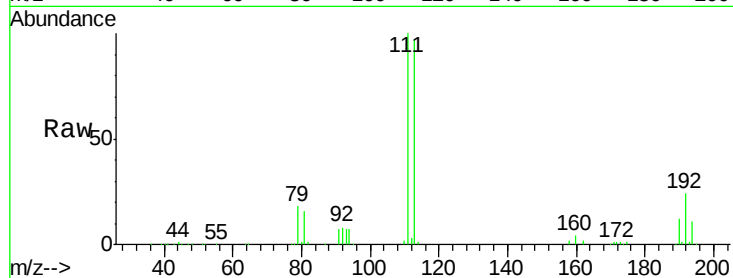




#35
 Dibromofluoromethane
 Concen: 36.88 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003294.D
 Acq: 10 Jul 2018 19:42

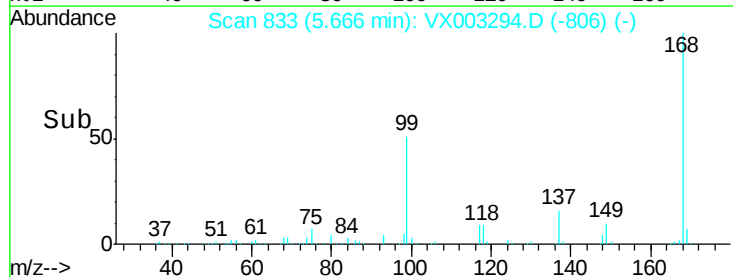
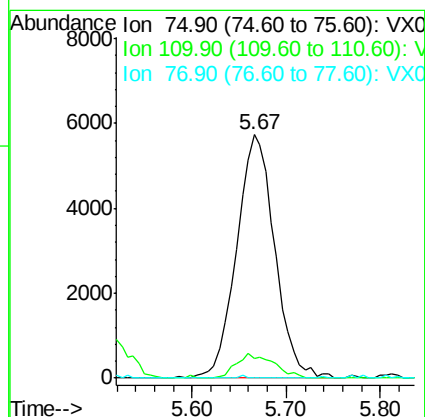
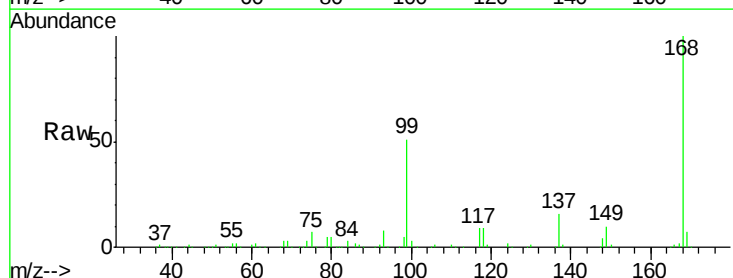
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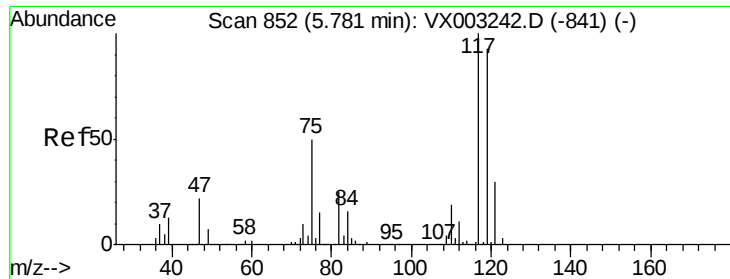
Tot Ion:113 Resp: 137798
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 25.2 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 3.29 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003294.D
 Acq: 10 Jul 2018 19:42

Tgt Ion: 75 Resp: 16192
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.1 54.4#
 77 0.2 24.3 36.5#

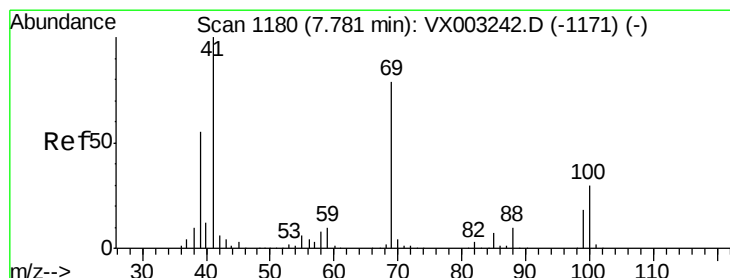
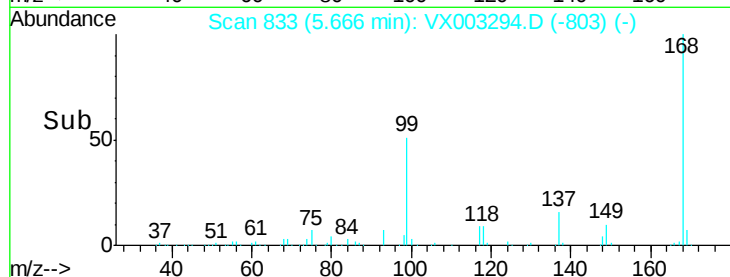
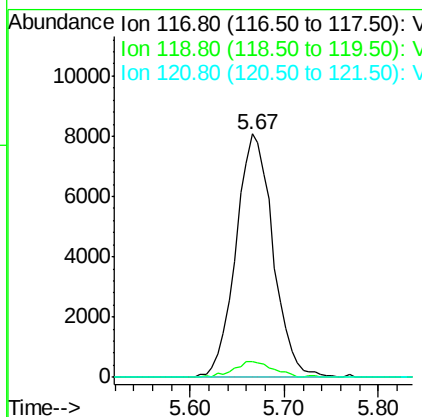
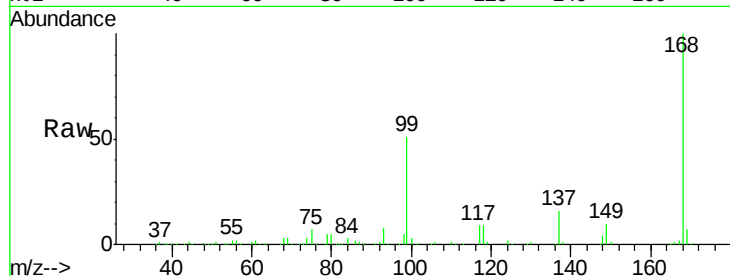




#38
Carbon Tetrachloride
Concen: 4.12 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003294.D
Acq: 10 Jul 2018 19:42

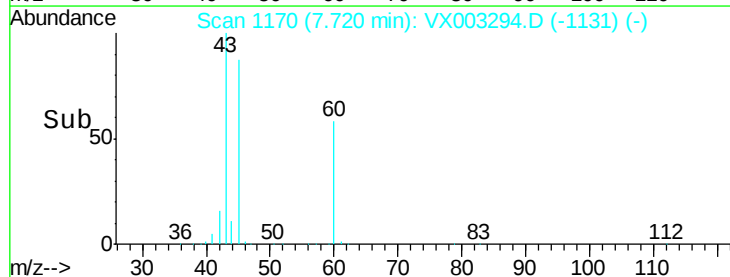
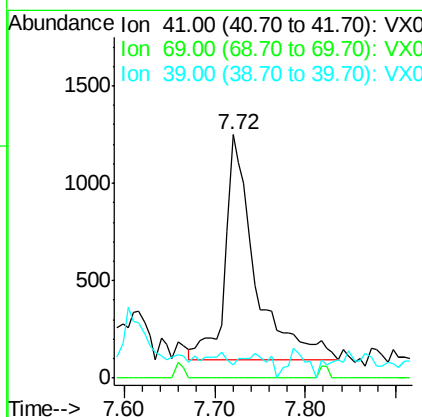
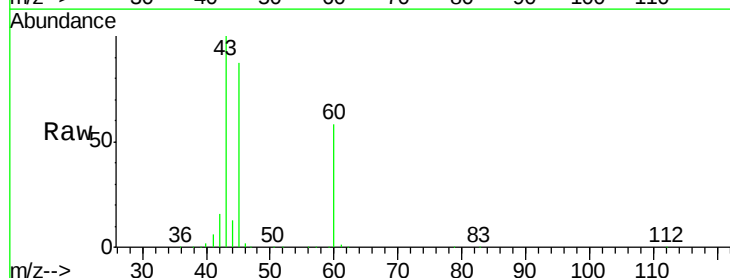
Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#08

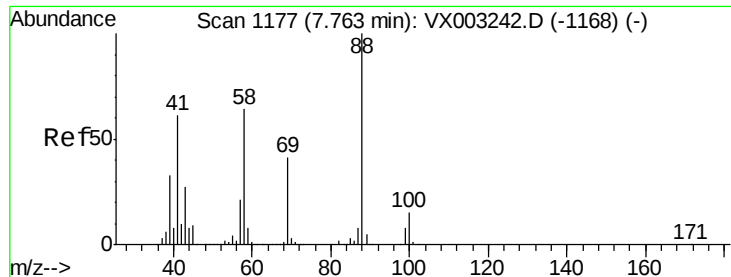
Tot Ion:117 Resp: 22202
Ion Ratio Lower Upper
117 100
119 6.3 77.4 116.0#
121 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 0.61 ug/l
RT: 7.72 min Scan# 1170
Delta R.T. -0.06 min
Lab File: VX003294.D
Acq: 10 Jul 2018 19:42

Tgt Ion: 41 Resp: 2651
Ion Ratio Lower Upper
41 100
69 0.0 59.1 88.7#
39 0.0 48.9 73.3#

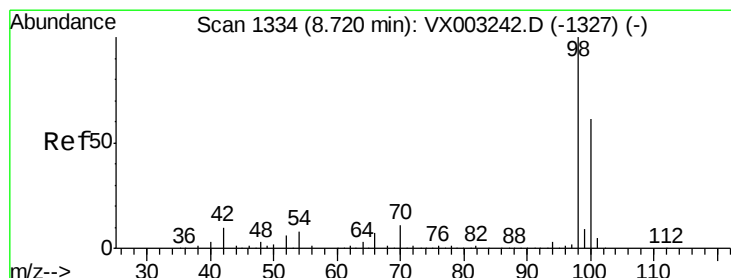
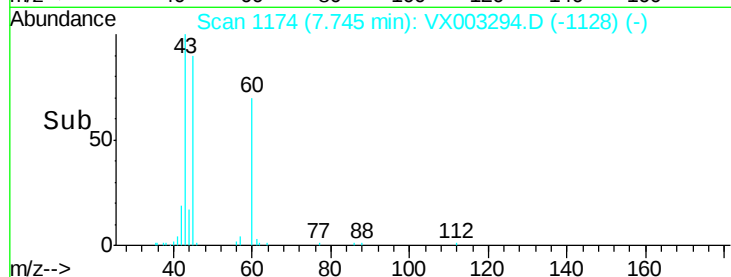
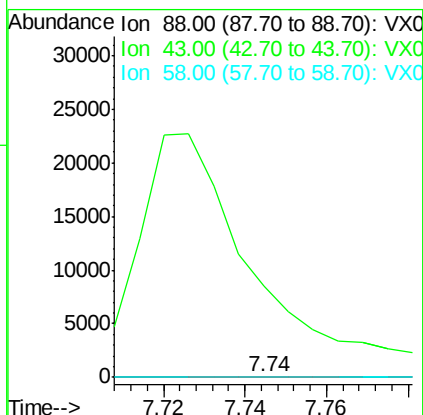
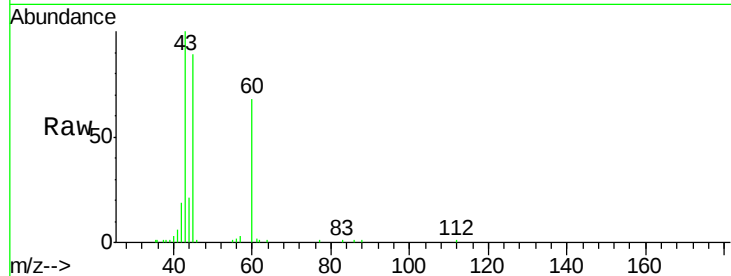




#49
 1,4-Dioxane
 Concen: 0.74 ug/l
 RT: 7.74 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VX003294.D
 Acq: 10 Jul 2018 19:42

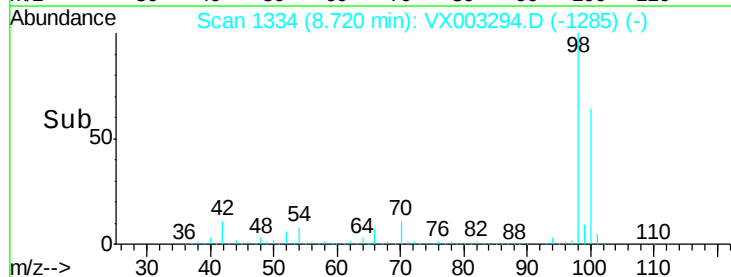
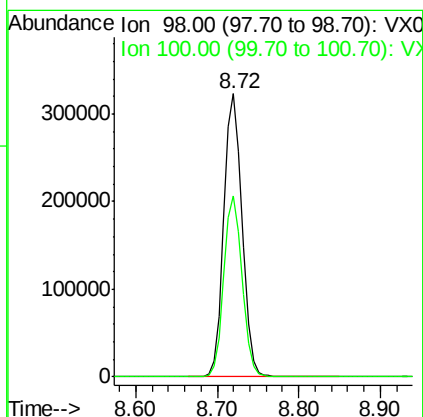
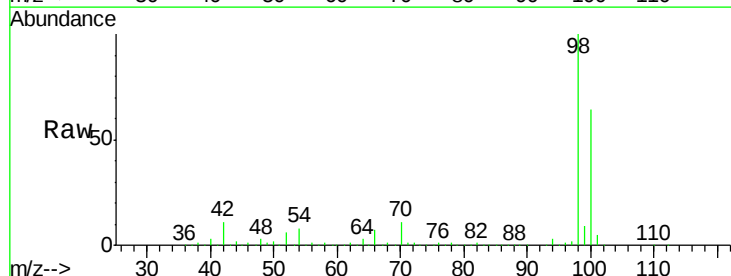
Instrument :
 MSVOA_X
 ClientSampleId :
 PB110944ZHE#08

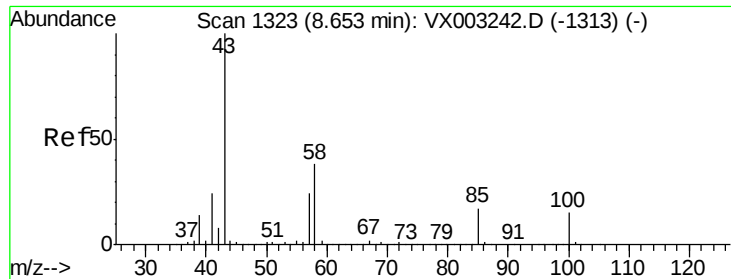
Tot Ion: 88 Resp: 67
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.8 44.6#
 58 0.0 57.1 85.7#



#50
 Toluene-d8
 Concen: 37.87 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003294.D
 Acq: 10 Jul 2018 19:42

Tgt Ion: 98 Resp: 502692
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.35 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003294.D

Acq: 10 Jul 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

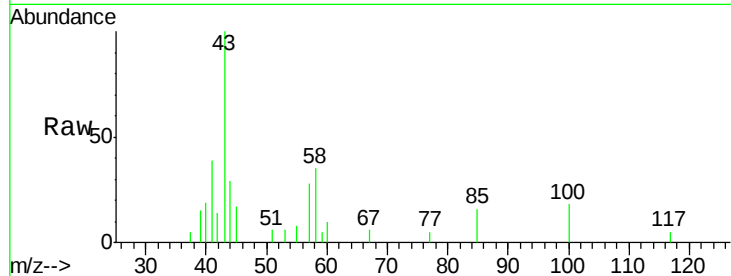
PB110944ZHE#08

Tot Ion: 43 Resp: 1824

Ion Ratio Lower Upper

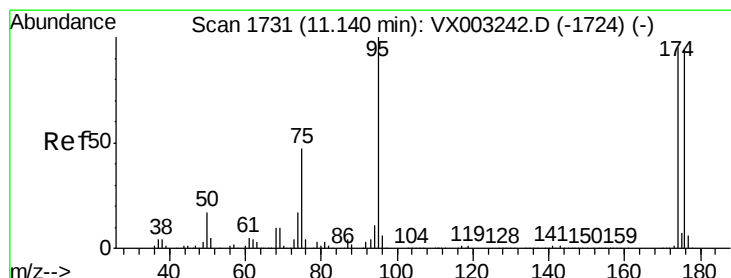
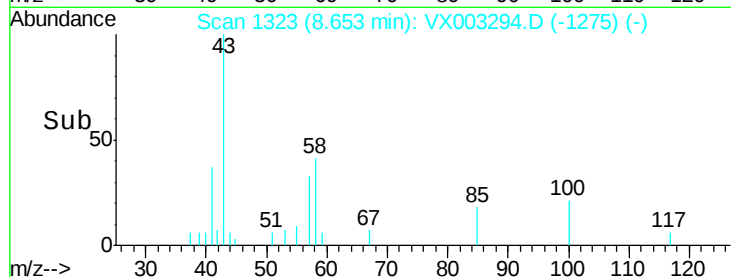
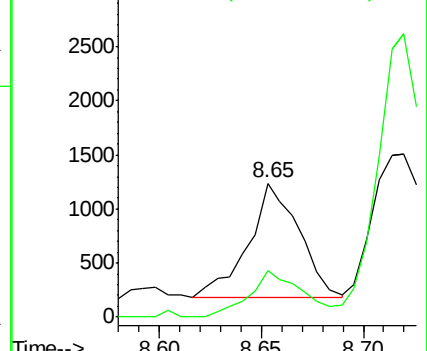
43 100

58 42.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 35.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003294.D

Acq: 10 Jul 2018 19:42

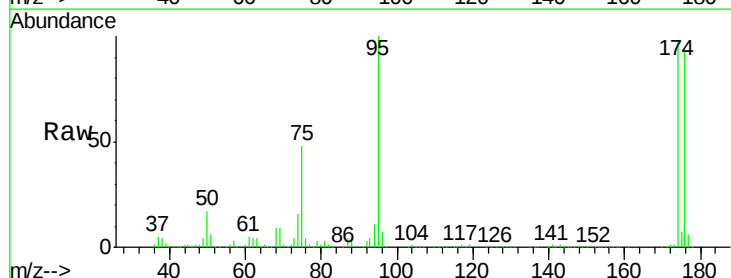
Tgt Ion: 95 Resp: 176338

Ion Ratio Lower Upper

95 100

174 101.2 0.0 187.4

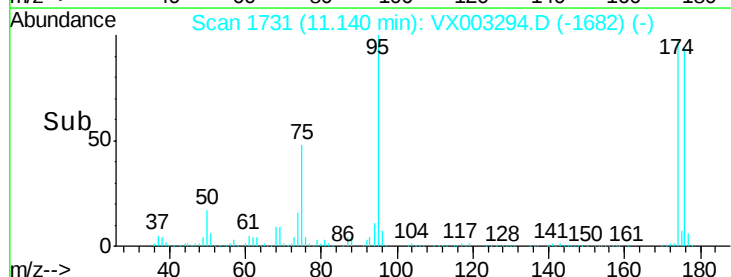
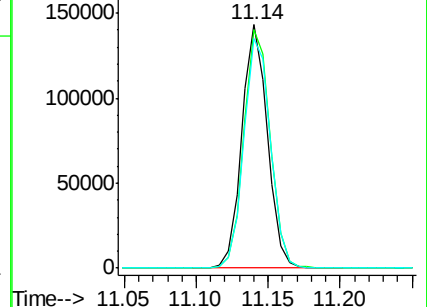
176 98.3 0.0 181.0

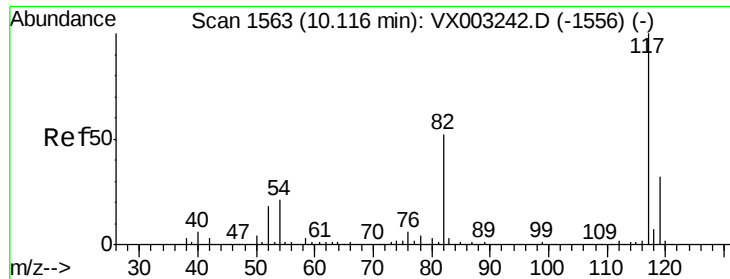


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003294.D

Acq: 10 Jul 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

PB110944ZHE#08

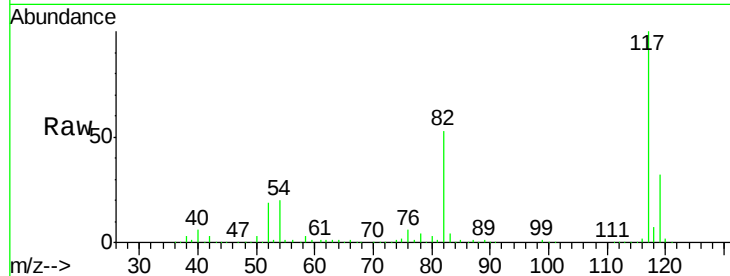
Tot Ion:117 Resp: 330086

Ion Ratio Lower Upper

117 100

82 52.5 45.0 67.4

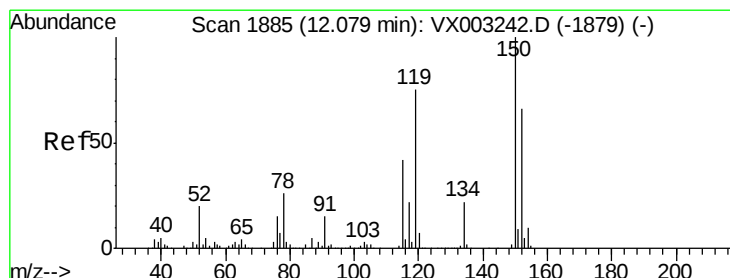
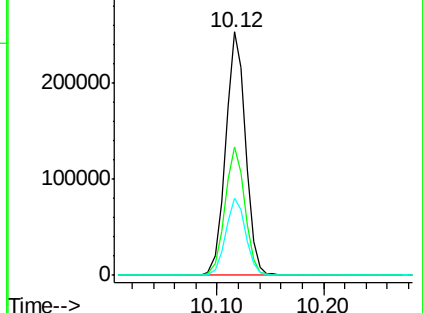
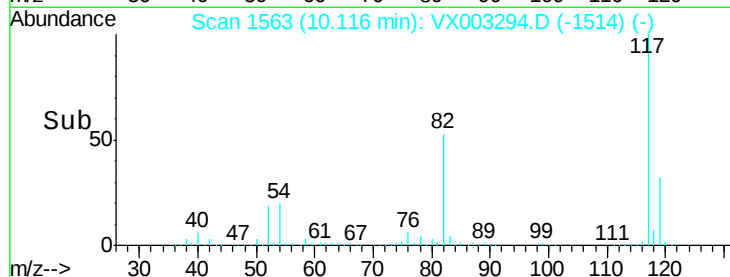
119 31.6 25.8 38.6



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. 0.01 min

Lab File: VX003294.D

Acq: 10 Jul 2018 19:42

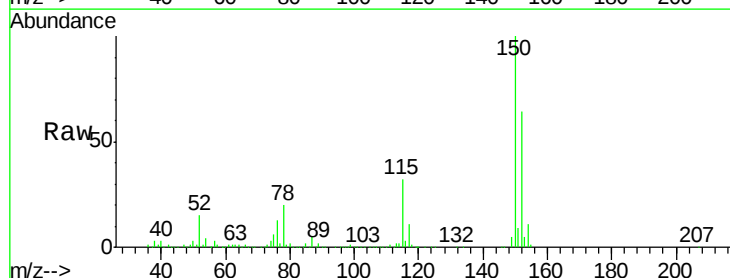
Tgt Ion:152 Resp: 190324

Ion Ratio Lower Upper

152 100

115 53.2 40.1 120.2

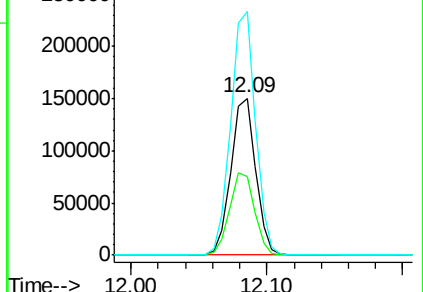
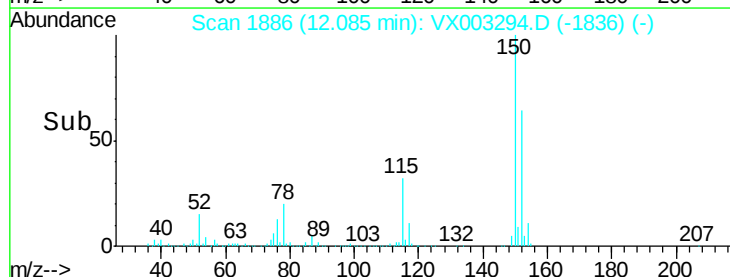
150 155.1 0.0 347.2

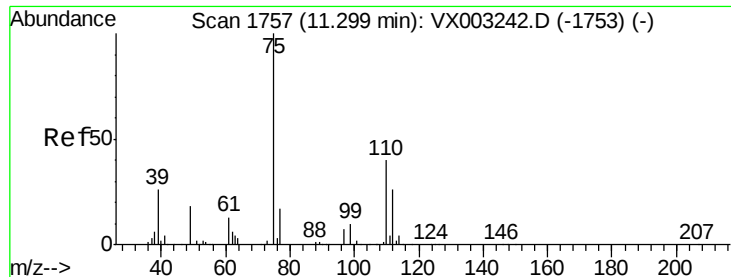


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

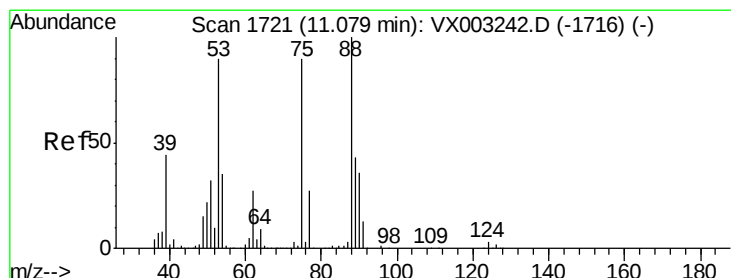
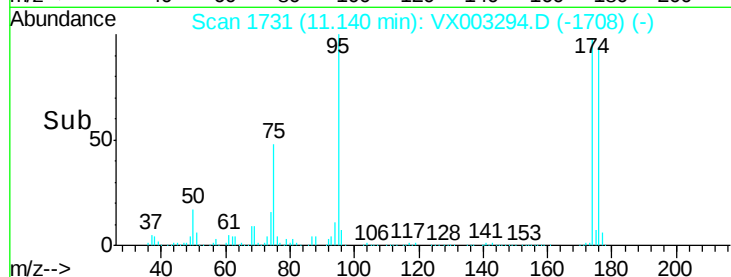
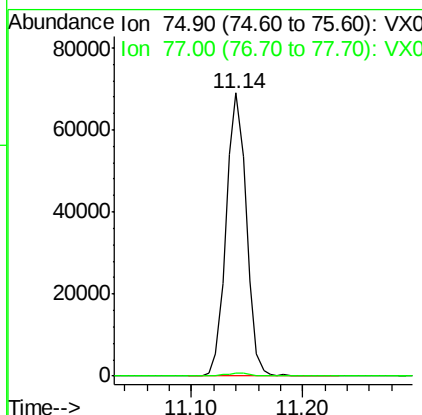
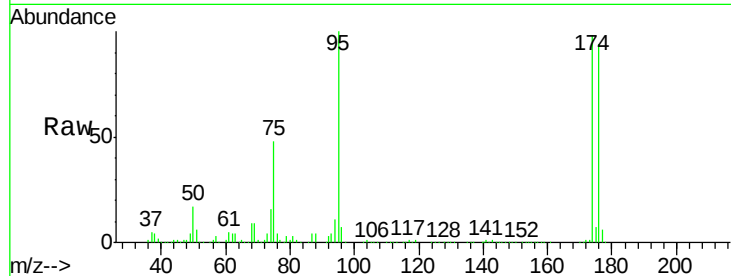




#76
 1,2,3-Trichloropropane
 Concen: 21.10 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003294.D
 Acq: 10 Jul 2018 19:42

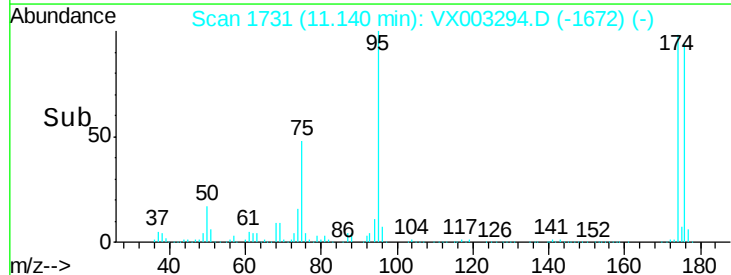
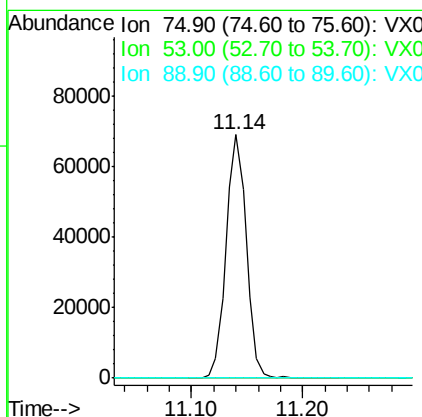
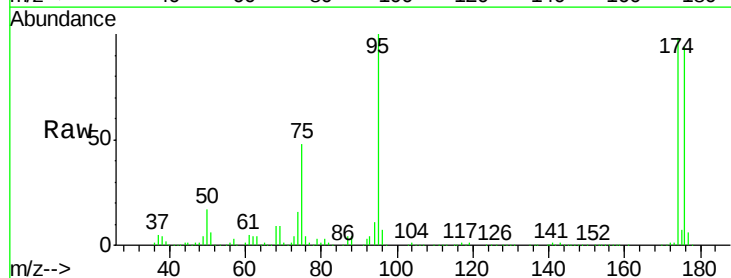
Instrument :
 MSVOA_X
 ClientSampleId :
 PB110944ZHE#08

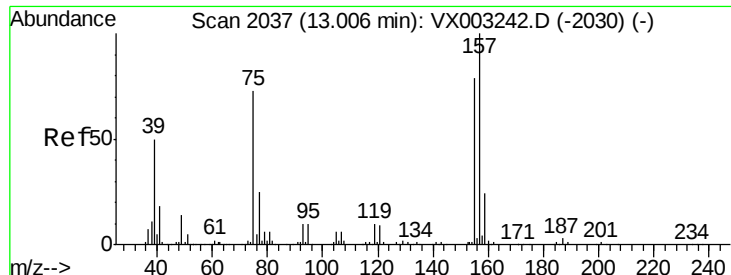
Tot Ion: 75 Resp: 86776
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.95 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003294.D
 Acq: 10 Jul 2018 19:42

Tgt Ion: 75 Resp: 86776
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.8 130.2#
 89 0.0 38.2 57.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.28 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX003294.D

Acq: 10 Jul 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

PB110944ZHE#08

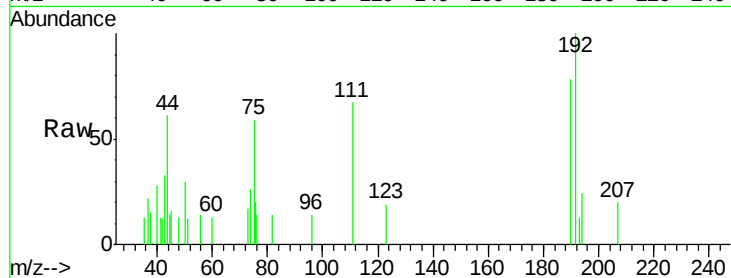
Tot Ion: 75 Resp: 283

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

300

200

100

0

12.98

12.95

13.00

Time-->

