

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121318\
 Data File : VX006498.D
 Acq On : 13 Dec 2018 16:37
 Operator : JC/MD
 Sample : PB115614ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB115614ZHE#06

Quant Time: Dec 14 00:17:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	644407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1034567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	958848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	454876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	348460	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	5.50	113	310990	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
50) Toluene-d8	8.71	98	1230521	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	455625	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	

Target Compounds

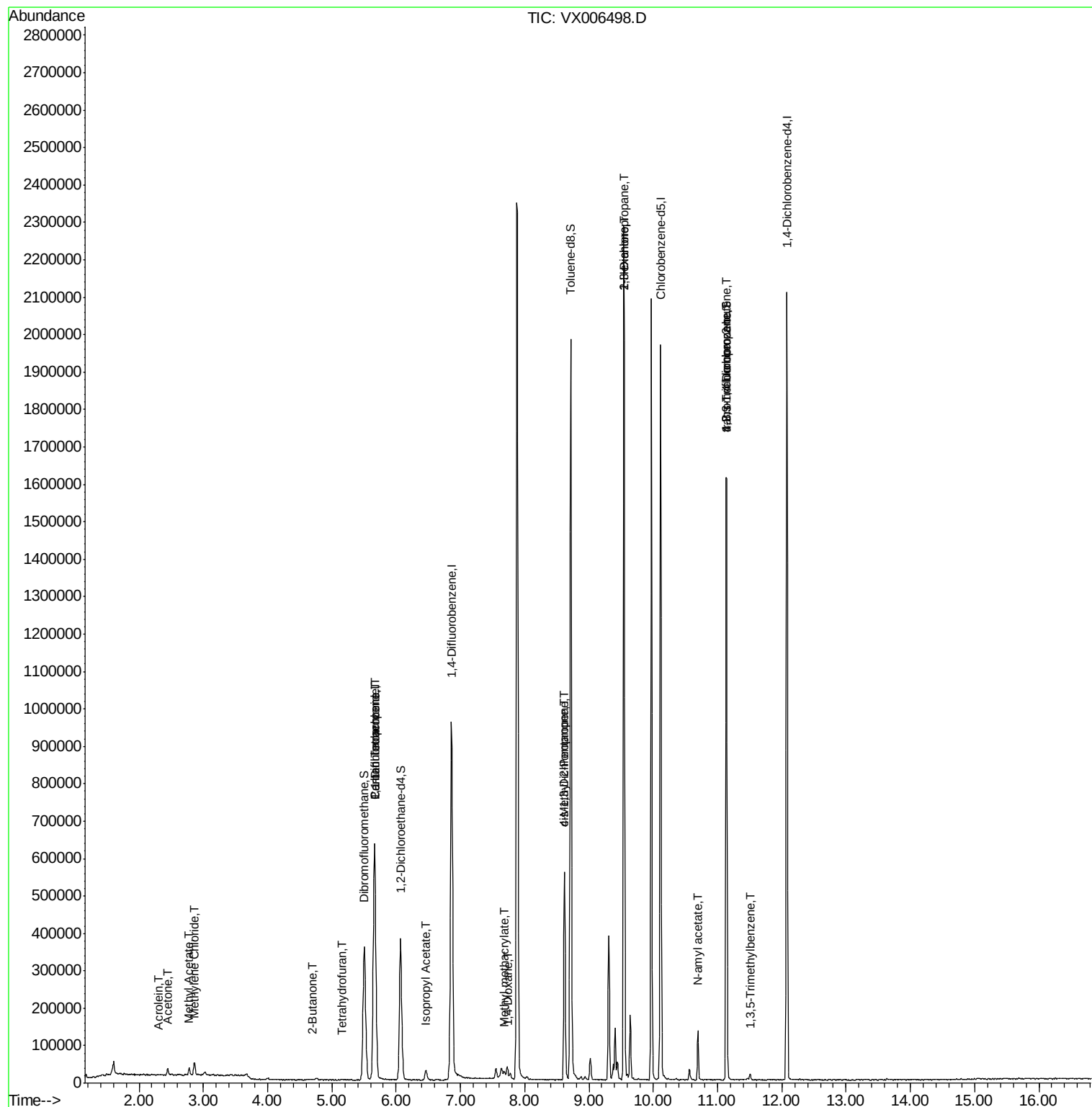
						Qvalue
13) Acrolein	2.29	56	315	0.320	ug/l #	69
16) Acetone	2.45	43	18716	6.062	ug/l	94
18) Methyl Acetate	2.78	43	24320	2.356	ug/l	100
20) Methylene Chloride	2.85	84	16291	2.480	ug/l #	78
25) 2-Butanone	4.70	43	3851	0.874	ug/l	95
29) Tetrahydrofuran	5.15	42	873	0.285	ug/l #	29
36) 1,1-Dichloropropene	5.66	75	41268	4.737	ug/l #	50
38) Carbon Tetrachloride	5.67	117	62463	6.094	ug/l #	17
43) Isopropyl Acetate	6.46	43	33830	2.080	ug/l	96
48) Methyl methacrylate	7.68	41	18395	2.324	ug/l #	15
49) 1,4-Dioxane	7.74	88	105	0.538	ug/l #	27
51) 4-Methyl-2-Pentanone	8.62	43	174793	18.458	ug/l #	50
54) cis-1,3-Dichloropropene	8.62	75	94922	8.427	ug/l #	58
57) 1,3-Dichloropropane	9.54	76	21099	1.913	ug/l #	44
59) 2-Hexanone	9.54	43	248448	34.341	ug/l #	52
74) N-amyl acetate	10.69	43	27713	2.049	ug/l #	57
76) 1,2,3-Trichloropropane	11.13	75	209196	23.827	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	7709	0.295	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.13	75	209196	55.915	ug/l #	15

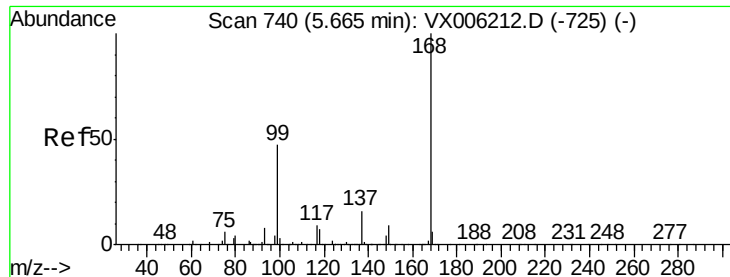
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

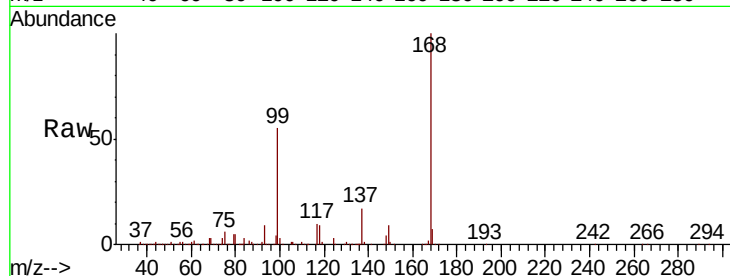
PB115614ZHE#06

Tot Ion:168 Resp: 644407

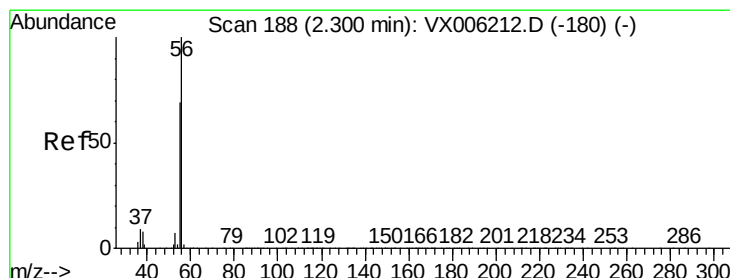
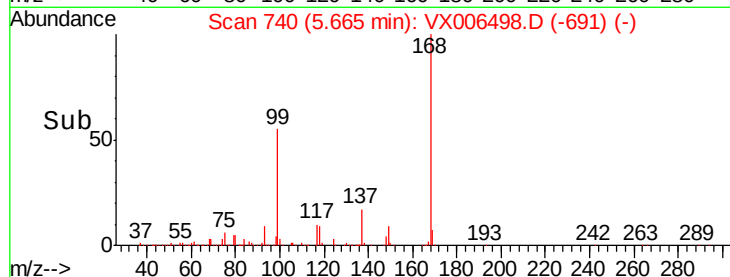
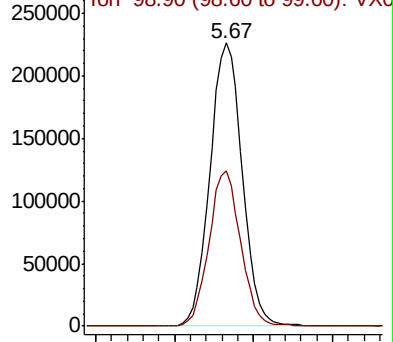
Ion Ratio Lower Upper

168 100

99 54.7 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): VX006498.D (-691) (-)



#13

Acrolein

Concen: 0.320 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX006498.D

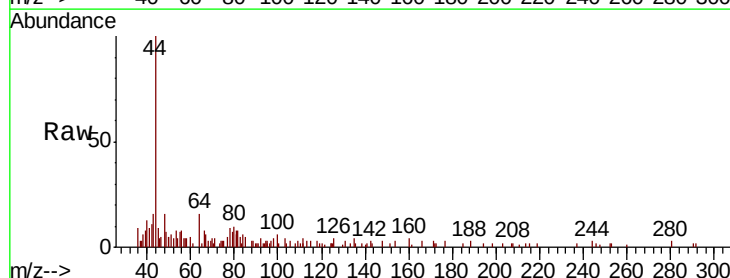
Acq: 13 Dec 2018 16:37

Tgt Ion: 56 Resp: 315

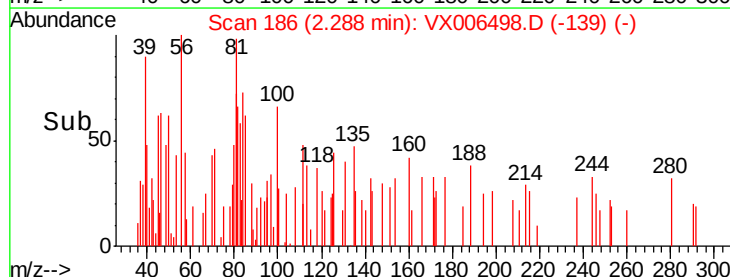
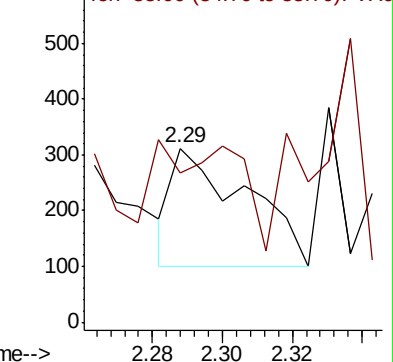
Ion Ratio Lower Upper

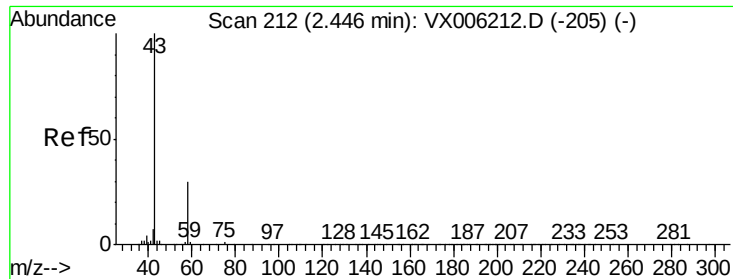
56 100

55 98.4 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX006498.D (-139) (-)

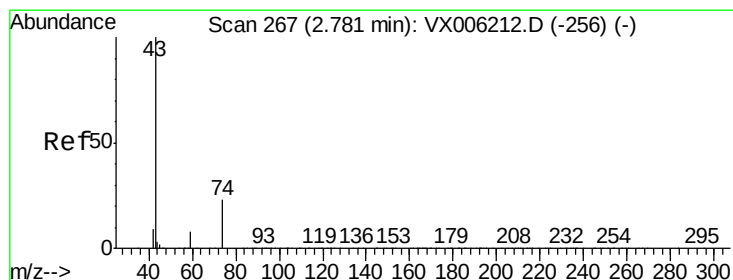
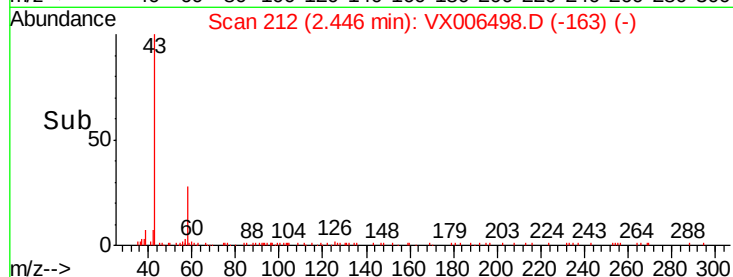
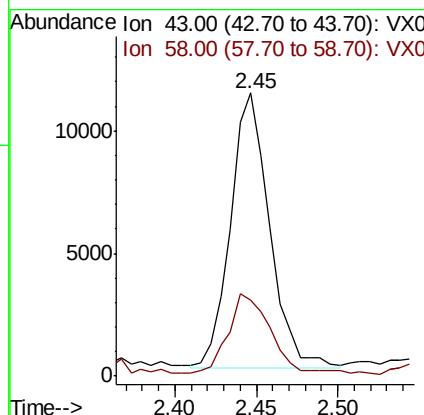
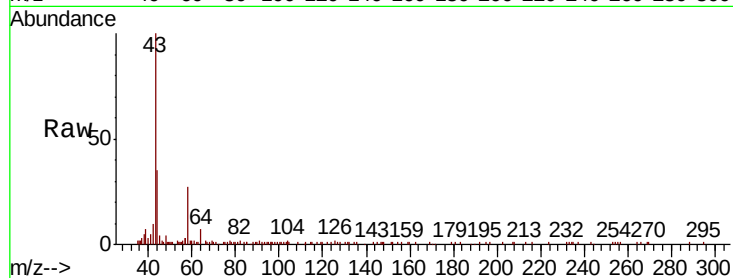




#16
Acetone
Concen: 6.062 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006498.D
Acq: 13 Dec 2018 16:37

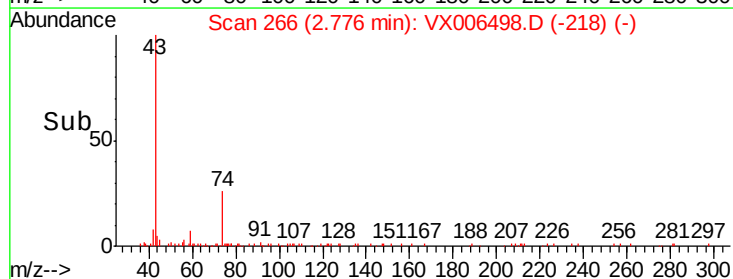
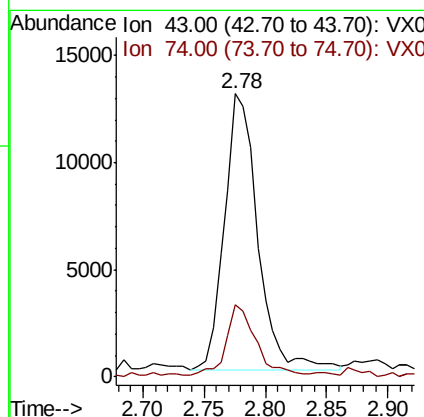
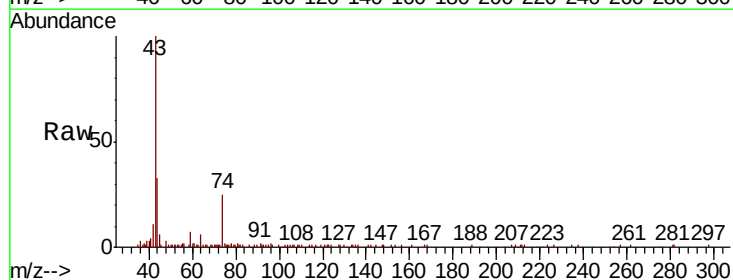
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#06

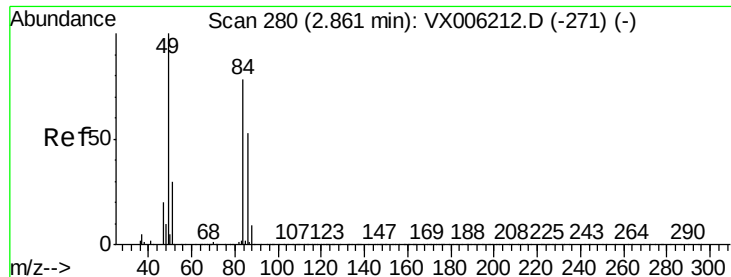
Tot Ion: 43 Resp: 18716
Ion Ratio Lower Upper
43 100
58 26.5 24.0 36.0



#18
Methyl Acetate
Concen: 2.356 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006498.D
Acq: 13 Dec 2018 16:37

Tgt Ion: 43 Resp: 24320
Ion Ratio Lower Upper
43 100
74 22.5 17.9 26.9

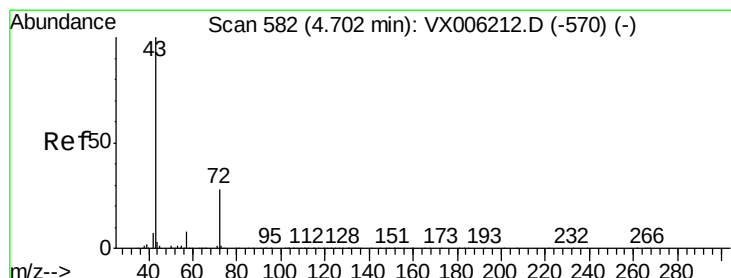
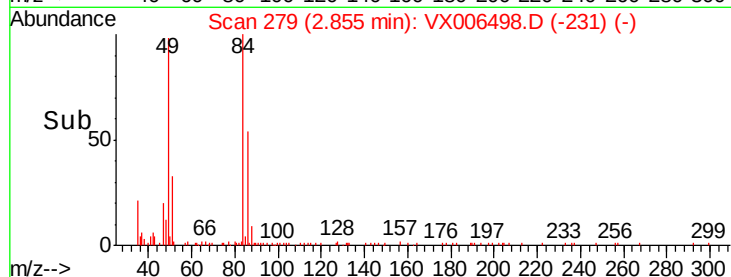
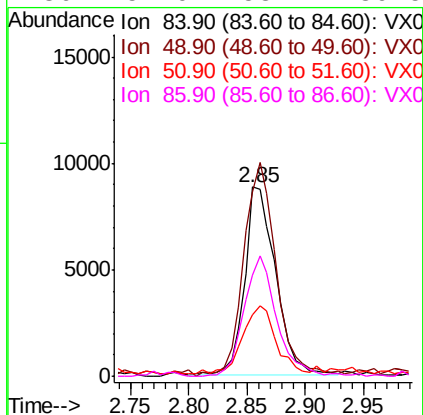
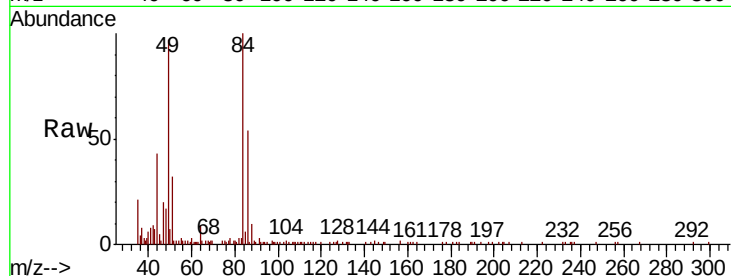




#20
Methylene Chloride
Concen: 2.480 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006498.D
Acq: 13 Dec 2018 16:37

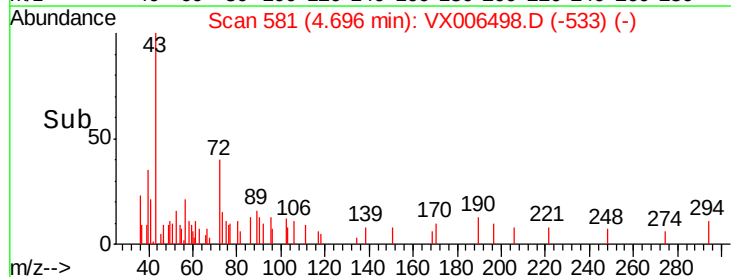
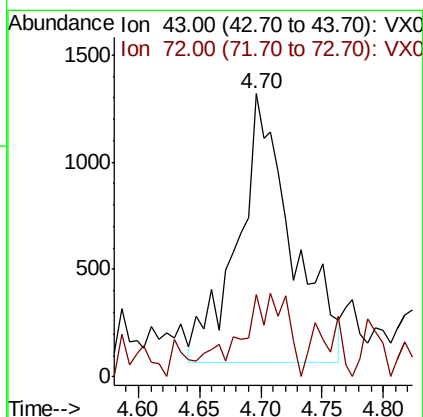
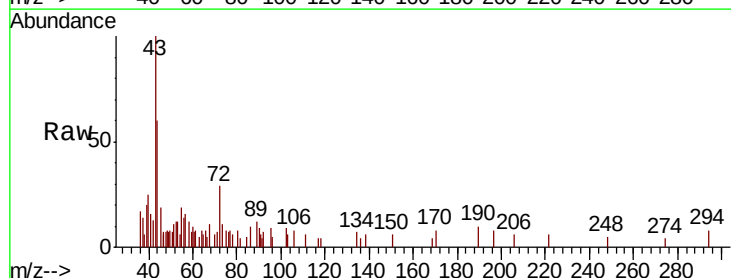
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#06

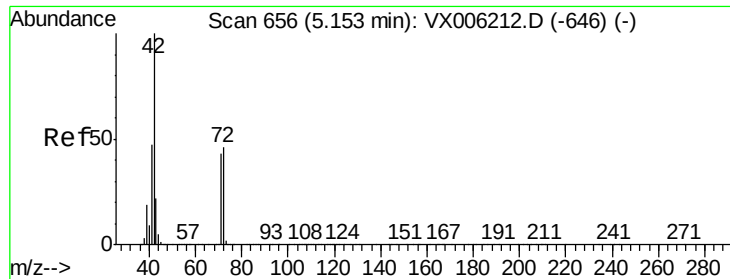
Tot Ion: 84 Resp: 16291
Ion Ratio Lower Upper
84 100
49 95.3 102.2 153.4#
51 31.7 31.1 46.7
86 54.0 53.7 80.5



#25
2-Butanone
Concen: 0.874 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX006498.D
Acq: 13 Dec 2018 16:37

Tgt Ion: 43 Resp: 3851
Ion Ratio Lower Upper
43 100
72 25.7 22.6 33.8

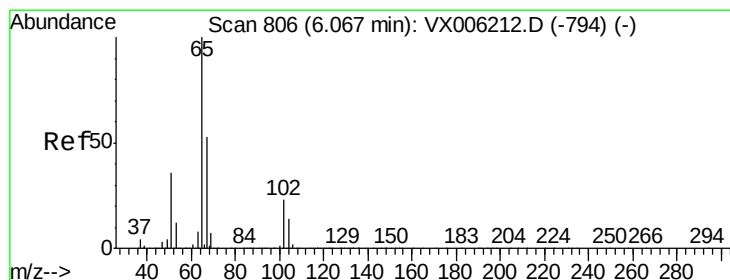
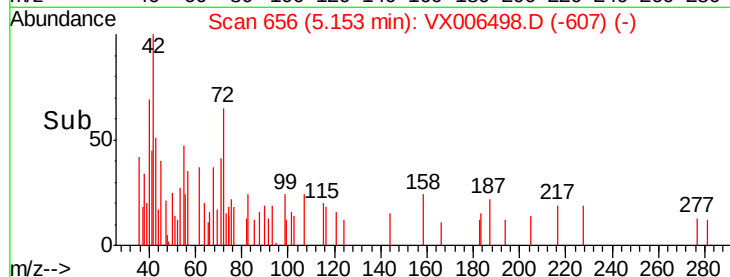
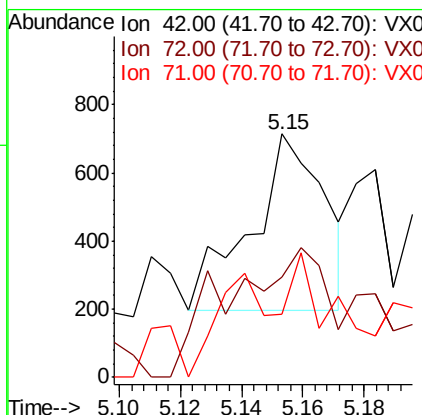
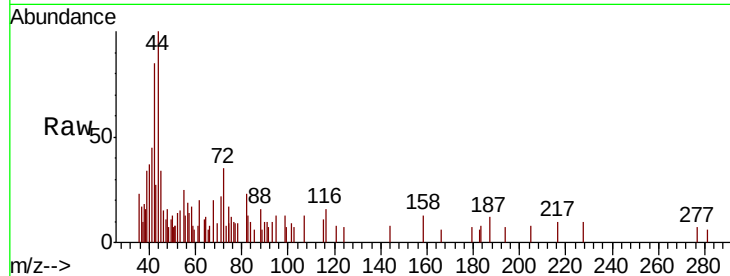




#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006498.D
Acq: 13 Dec 2018 16:37

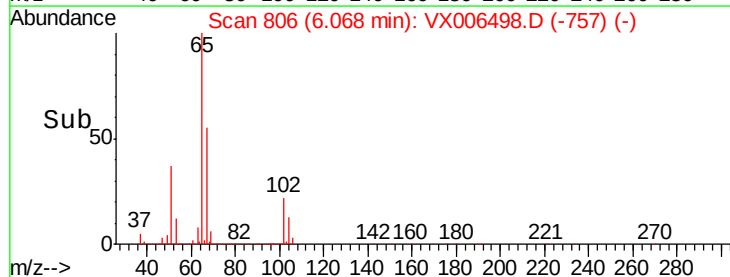
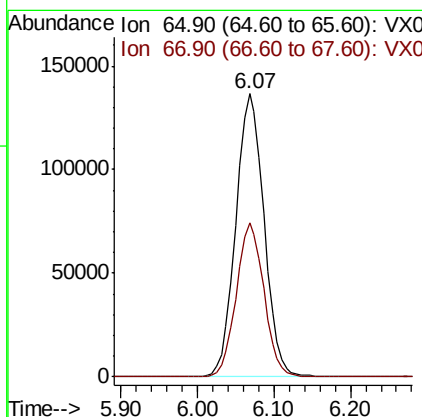
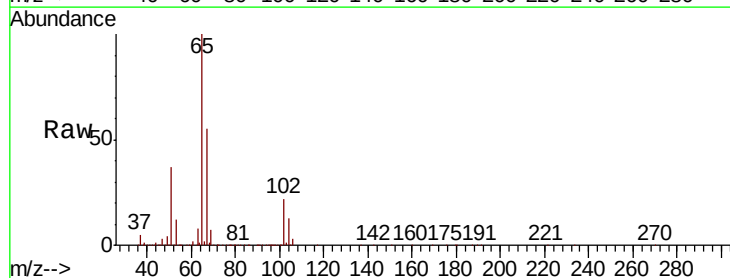
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#06

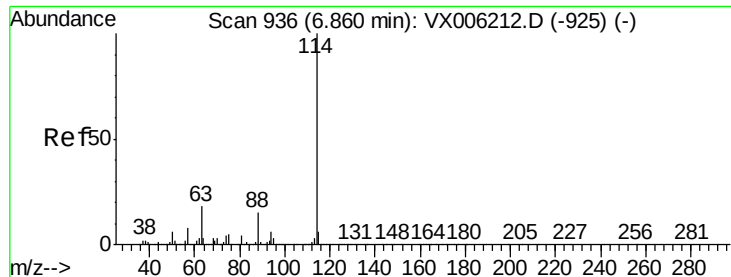
Tot Ion: 42 Resp: 873
Ion Ratio Lower Upper
42 100
72 137.6 37.8 56.8#
71 42.5 35.2 52.8



#33
1,2-Dichloroethane-d4
Concen: 52.971 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006498.D
Acq: 13 Dec 2018 16:37

Tgt Ion: 65 Resp: 348460
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#06

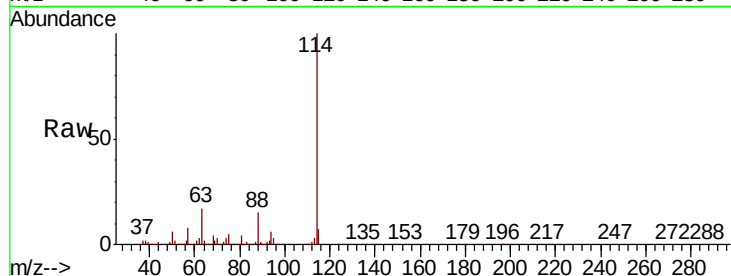
Tot Ion:114 Resp: 1034567

Ion Ratio Lower Upper

114 100

63 16.7 0.0 36.6

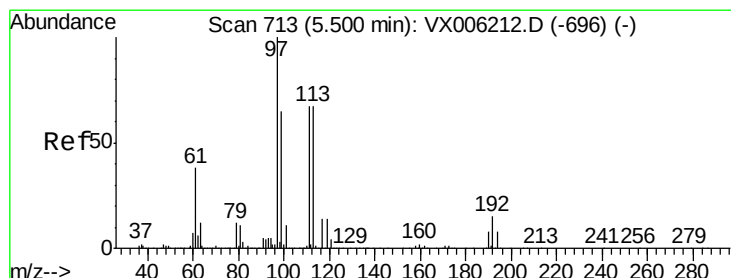
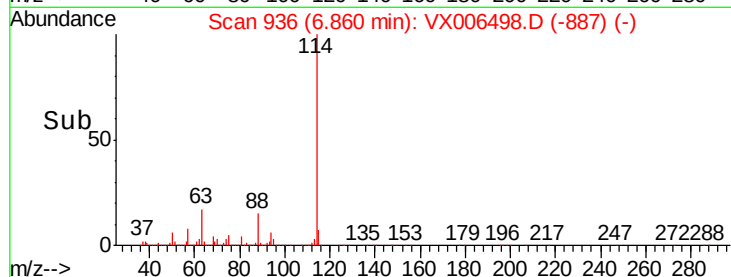
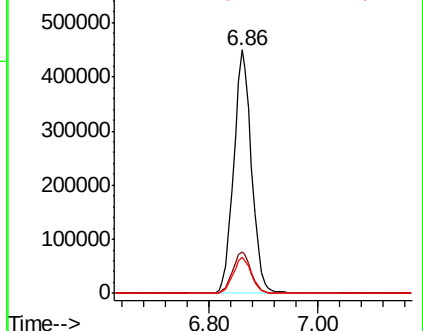
88 14.8 0.0 29.0



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: 46.427 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

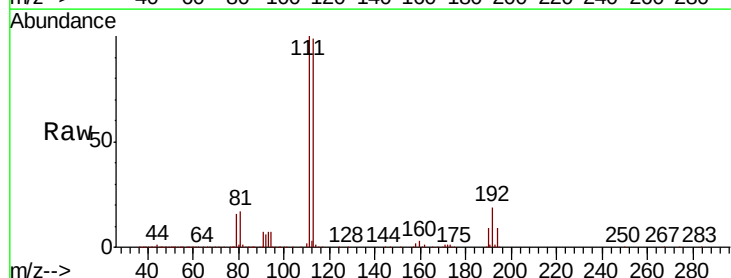
Tgt Ion:113 Resp: 310990

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

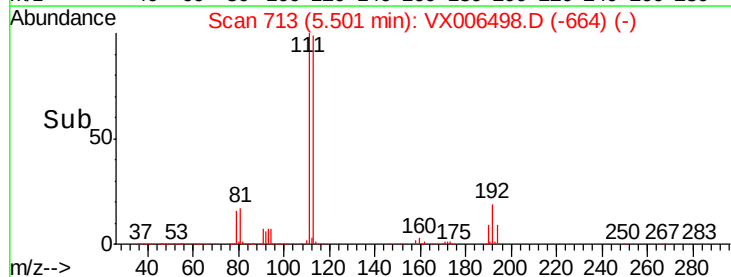
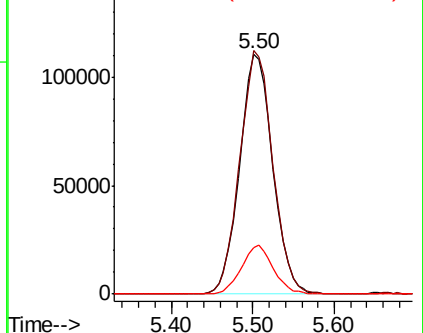
192 19.8 18.2 27.2

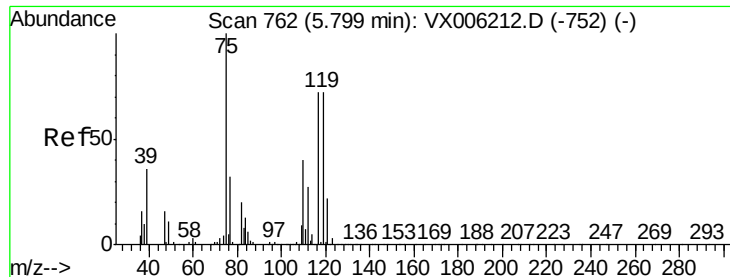


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.737 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

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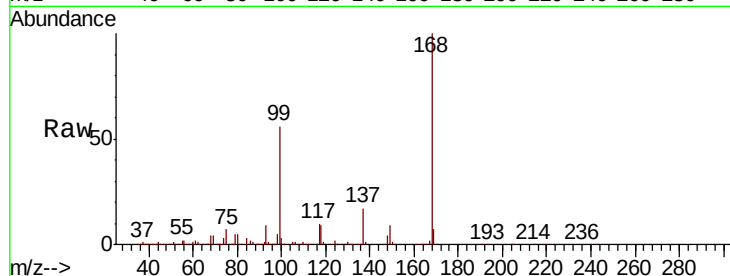
Tot Ion: 75 Resp: 41268

Ion Ratio Lower Upper

75 100

110 12.0 20.4 61.3#

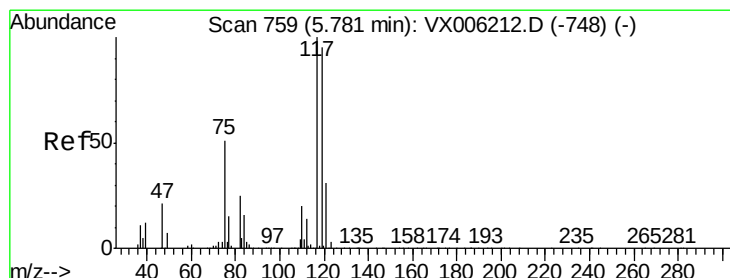
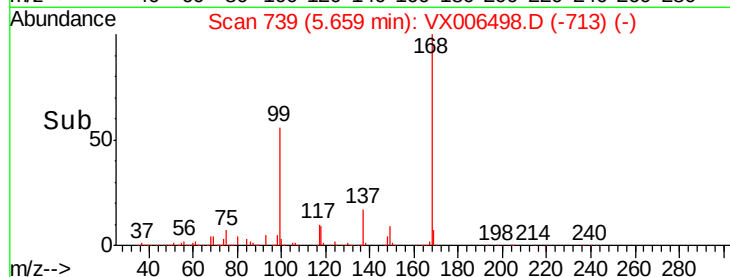
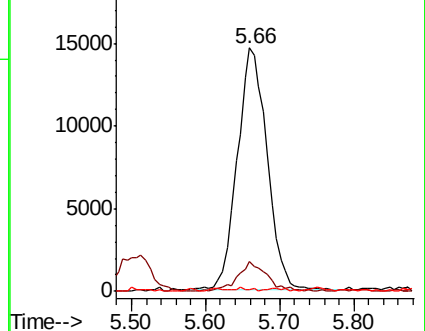
77 0.5 24.9 37.3#



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: 6.094 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

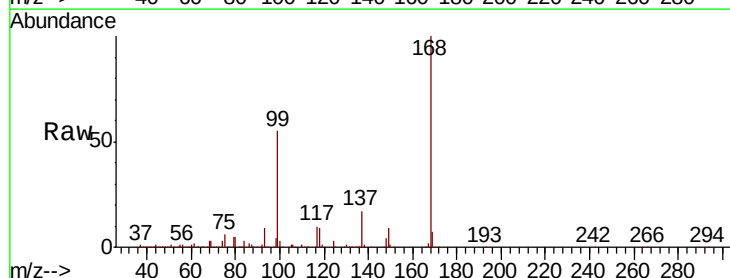
Tgt Ion: 117 Resp: 62463

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

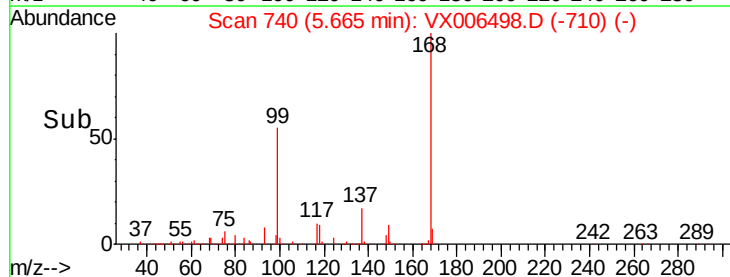
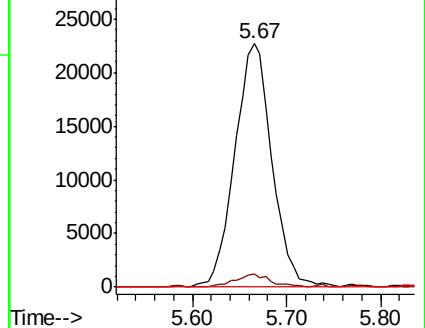
121 0.0 24.6 37.0#

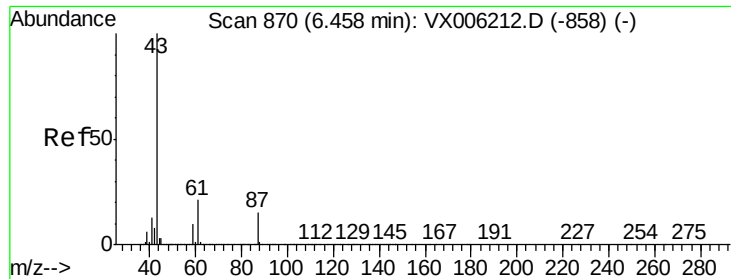


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 2.080 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#06

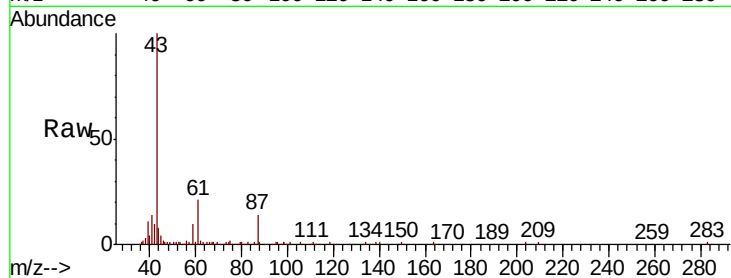
Tot Ion: 43 Resp: 33830

Ion Ratio Lower Upper

43 100

61 22.5 16.8 25.2

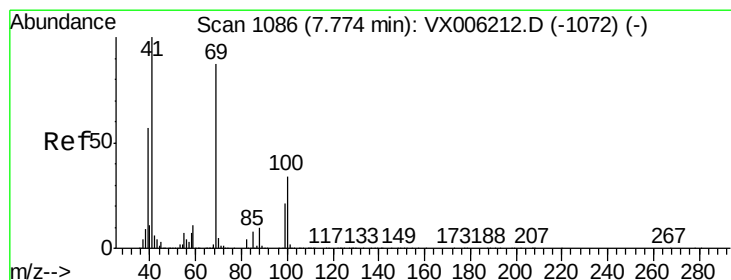
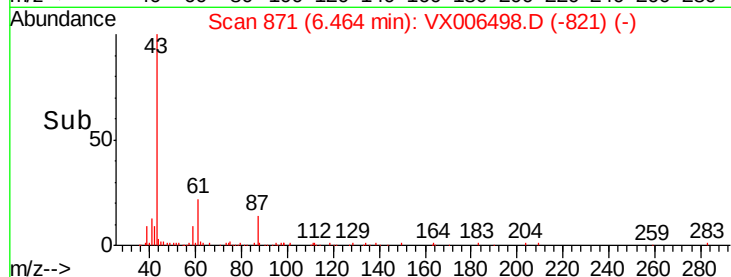
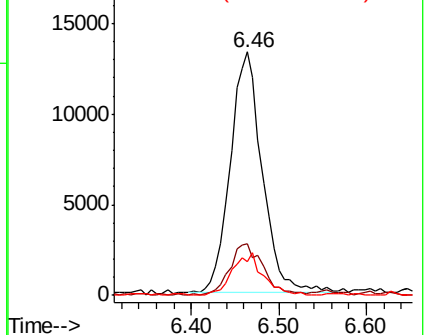
87 17.0 11.9 17.9



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



#48

Methyl methacrylate

Concen: 2.324 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

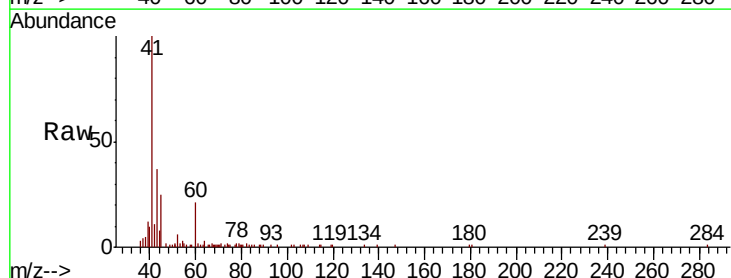
Tgt Ion: 41 Resp: 18395

Ion Ratio Lower Upper

41 100

69 3.6 70.3 105.5#

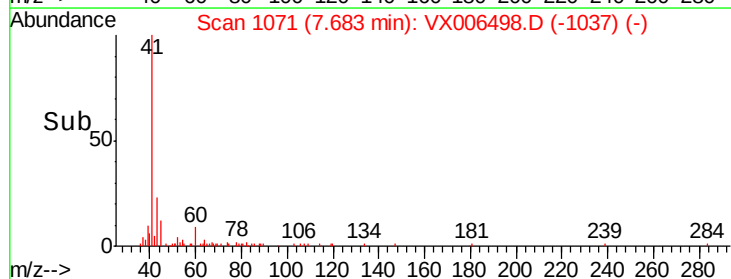
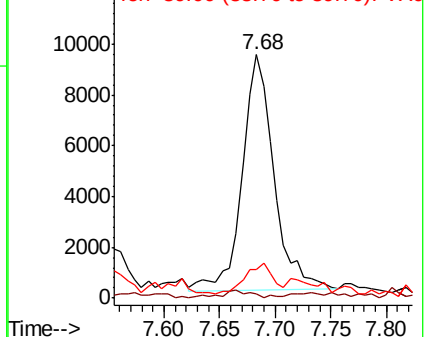
39 0.0 45.3 67.9#

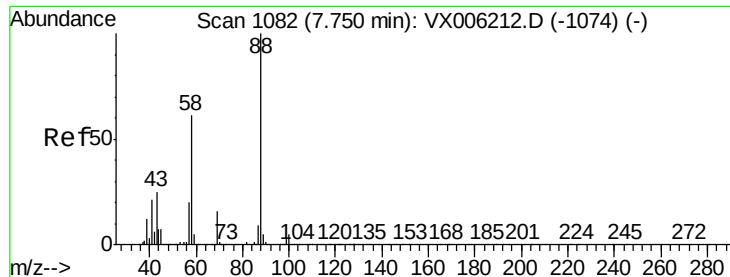


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

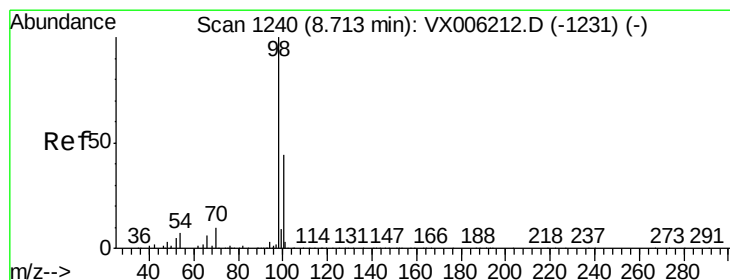
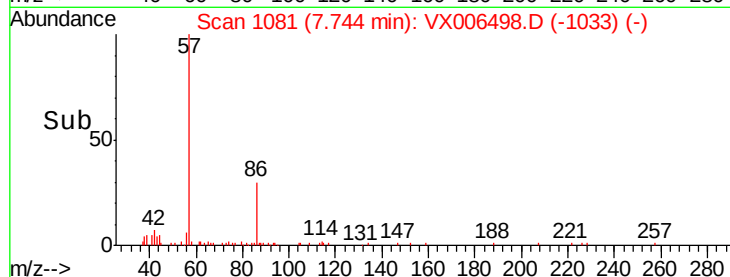
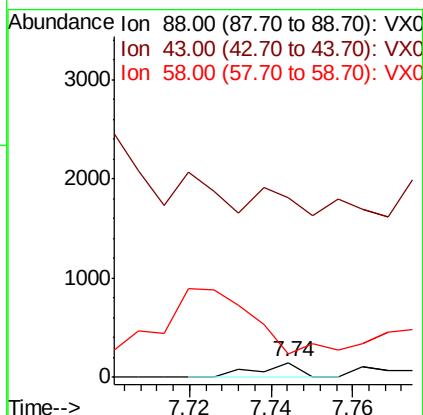
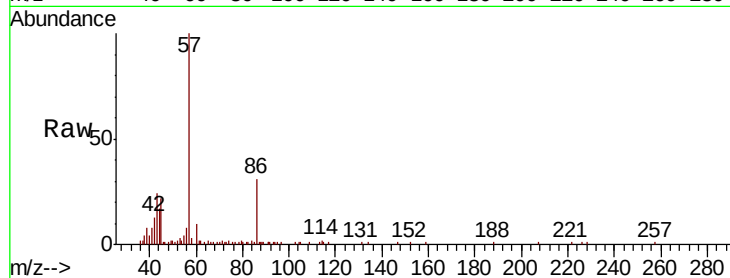




#49
 1,4-Dioxane
 Concen: 0.538 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VX006498.D
 Acq: 13 Dec 2018 16:37

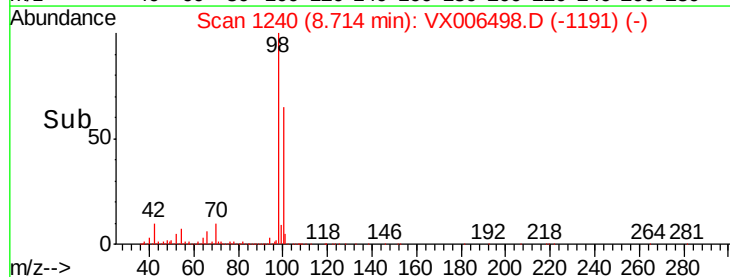
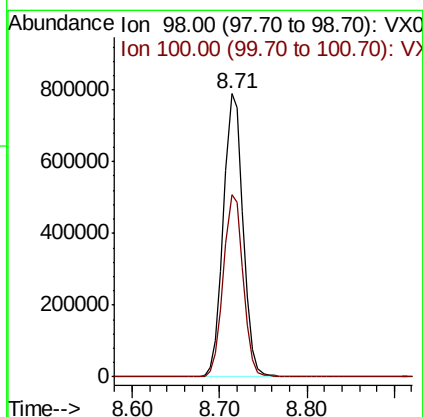
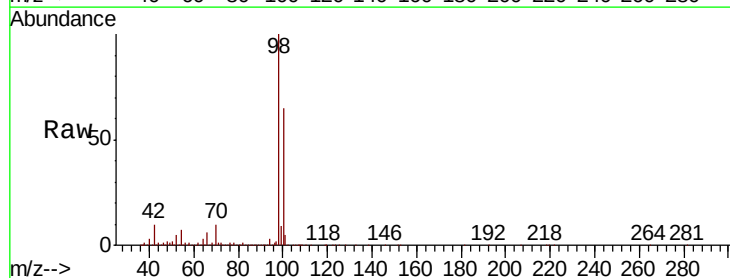
Instrument :
 MSVOA_X
 ClientSampleId :
 PB115614ZHE#06

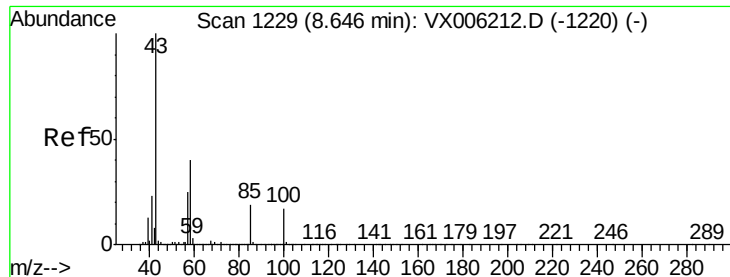
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.2	34.8#
58	0.0	51.4	77.0#



#50
 Toluene-d8
 Concen: 50.504 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX006498.D
 Acq: 13 Dec 2018 16:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2

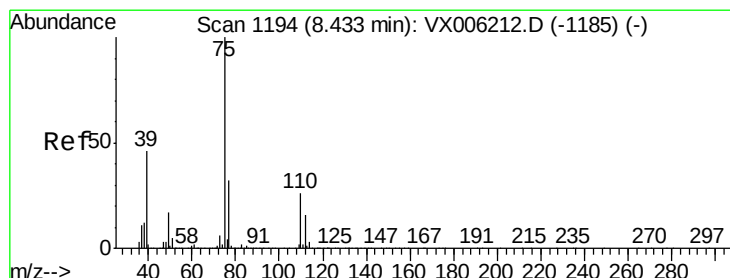
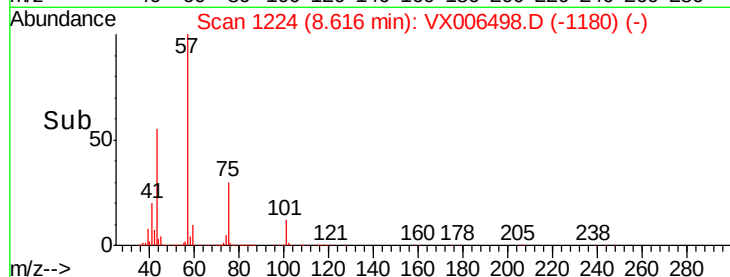
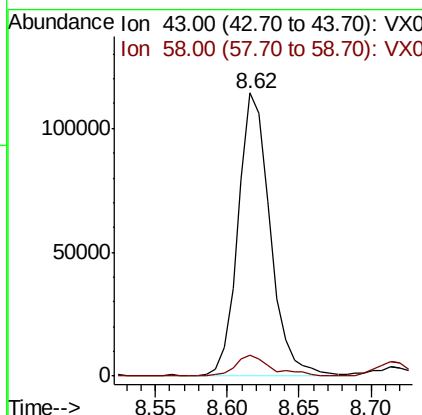
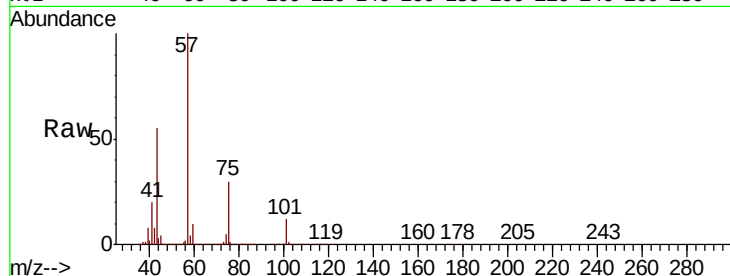




#51
4-Methyl-2-Pentanone
Concen: 18.458 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX006498.D
Acq: 13 Dec 2018 16:37

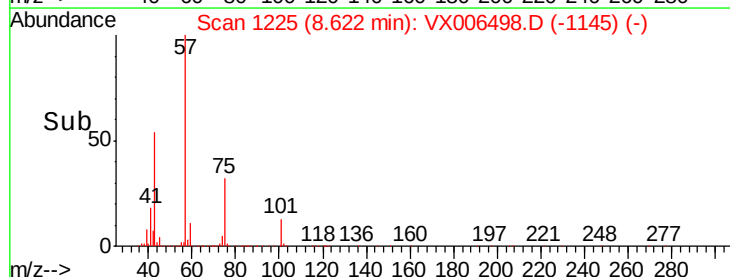
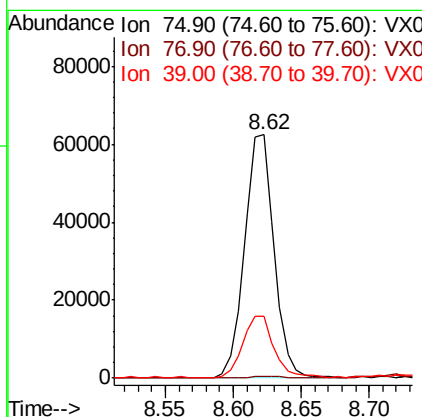
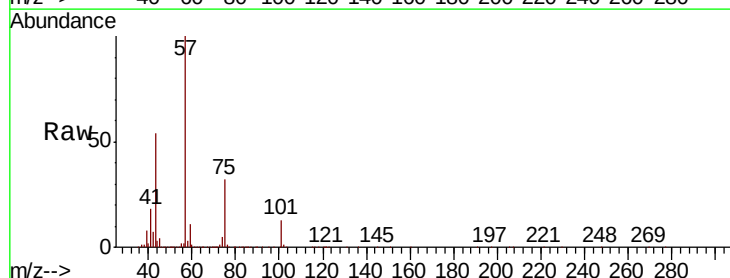
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#06

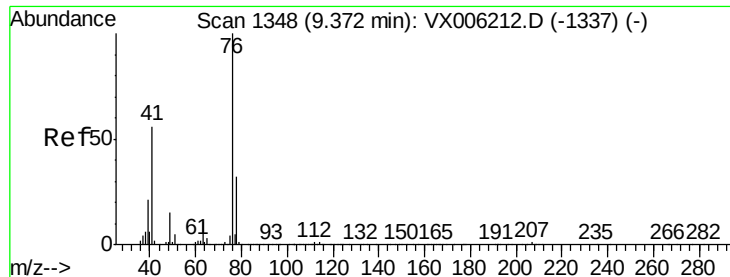
Tot Ion: 43 Resp: 174793
Ion Ratio Lower Upper
43 100
58 8.3 31.3 46.9#



#54
cis-1,3-Dichloropropene
Concen: 8.427 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. 0.19 min
Lab File: VX006498.D
Acq: 13 Dec 2018 16:37

Tgt Ion: 75 Resp: 94922
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 25.2 36.5 54.7#





#57

1,3-Dichloropropane

Concen: 1.913 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

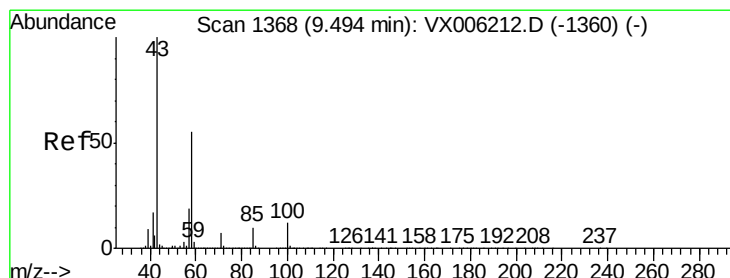
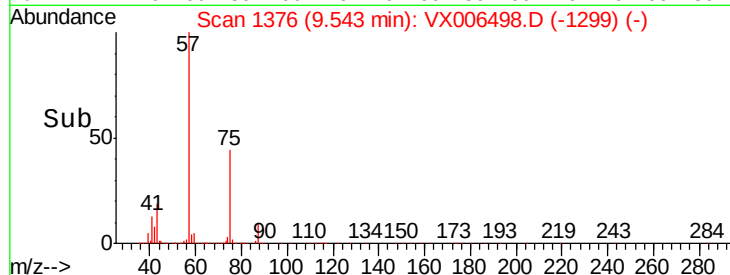
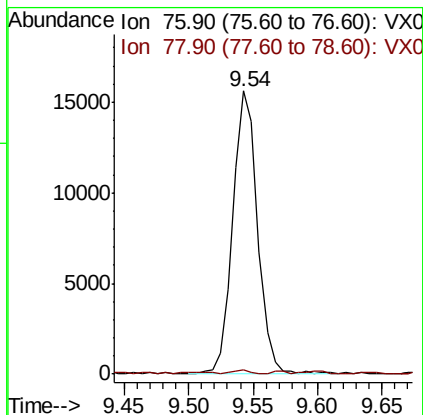
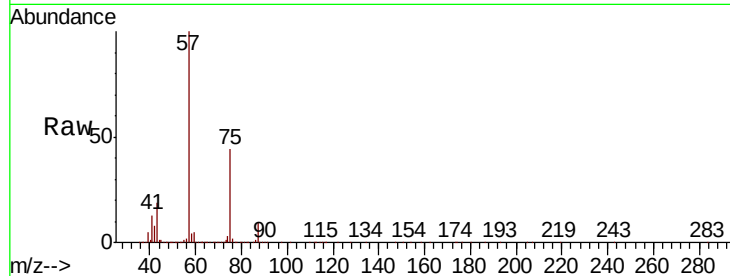
PB115614ZHE#06

Tot Ion: 76 Resp: 21099

Ion Ratio Lower Upper

76 100

78 1.0 26.1 39.1#



#59

2-Hexanone

Concen: 34.341 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX006498.D

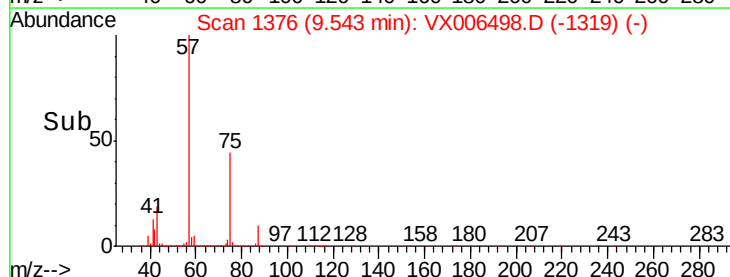
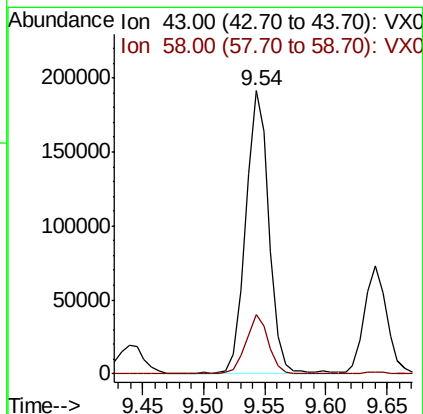
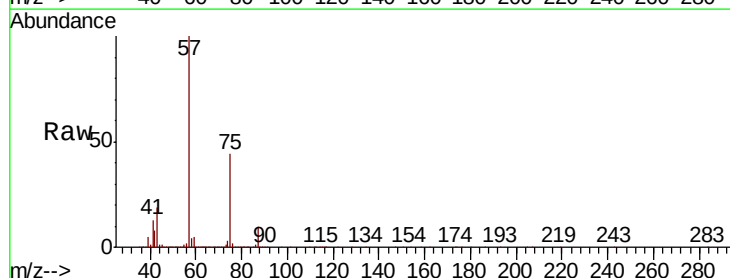
Acq: 13 Dec 2018 16:37

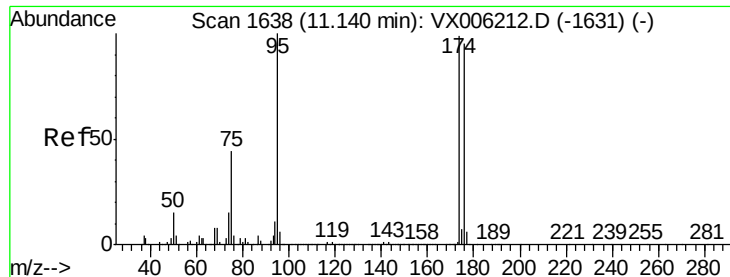
Tgt Ion: 43 Resp: 248448

Ion Ratio Lower Upper

43 100

58 20.3 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 49.625 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#06

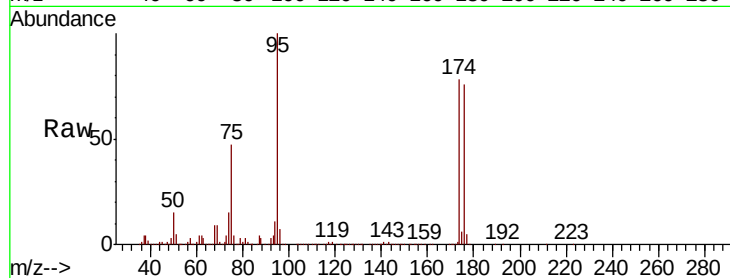
Tot Ion: 95 Resp: 455625

Ion Ratio Lower Upper

95 100

174 85.4 0.0 187.0

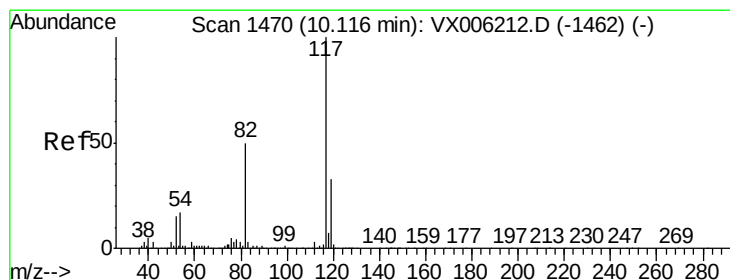
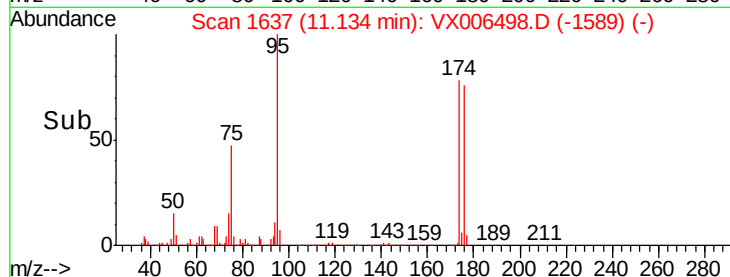
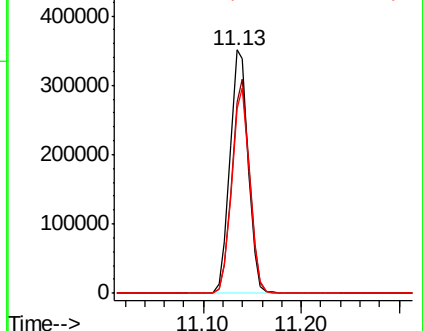
176 82.2 0.0 181.8



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: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

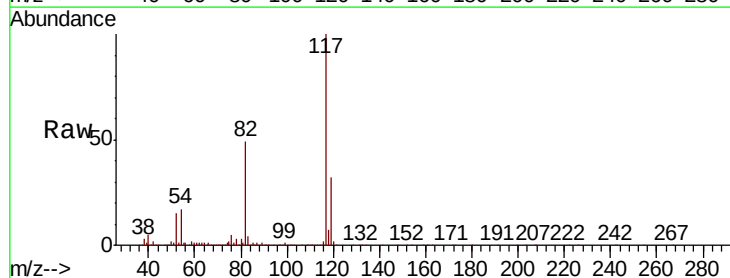
Tgt Ion: 117 Resp: 958848

Ion Ratio Lower Upper

117 100

82 49.2 39.6 59.4

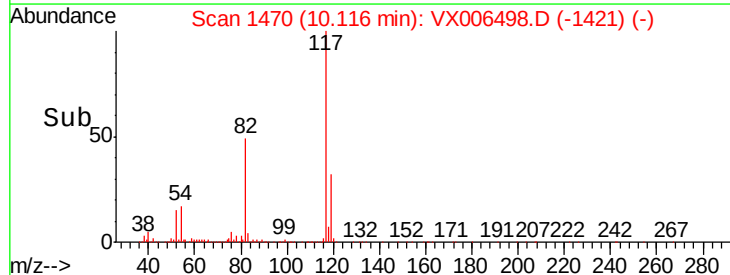
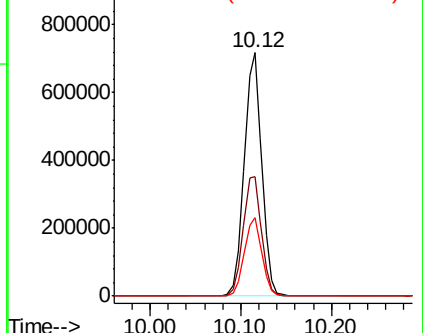
119 32.4 26.3 39.5

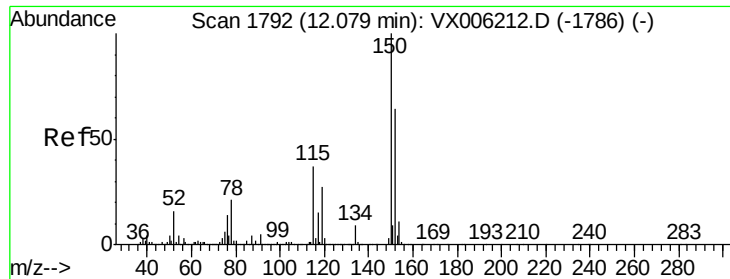


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#06

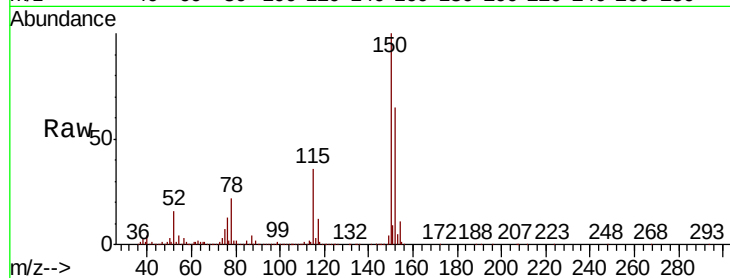
Tot Ion:152 Resp: 454876

Ion Ratio Lower Upper

152 100

115 56.8 39.0 116.9

150 155.9 0.0 345.8

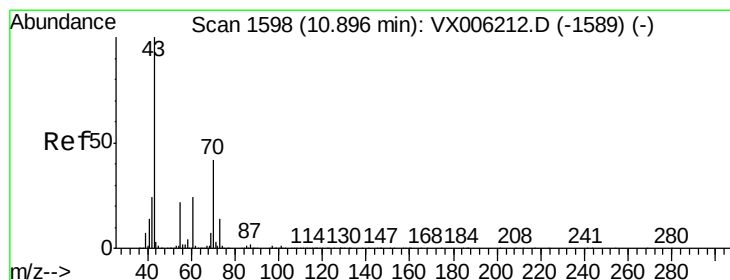
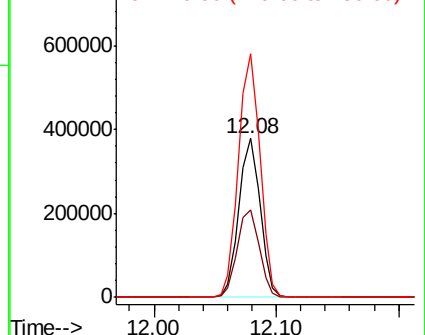
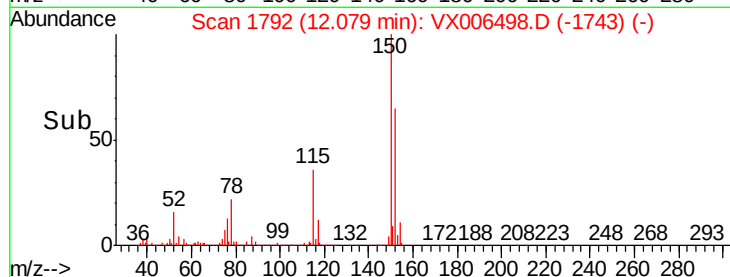


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.049 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

Tgt Ion: 43 Resp: 27713

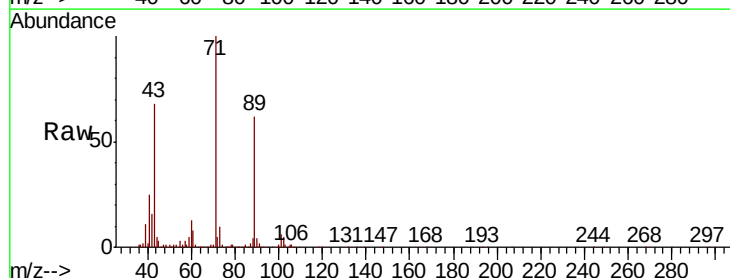
Ion Ratio Lower Upper

43 100

70 3.4 34.1 51.1#

55 5.8 17.8 26.8#

61 14.9 19.7 29.5#



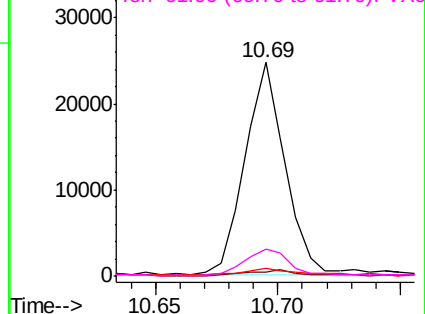
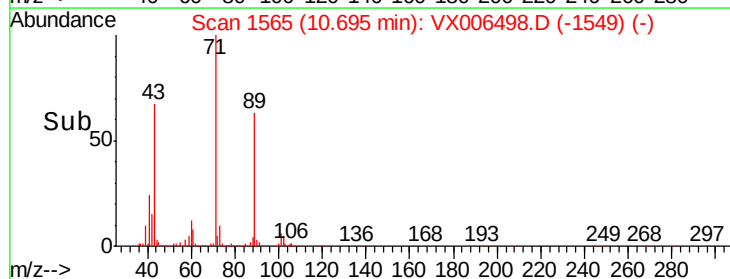
Abundance

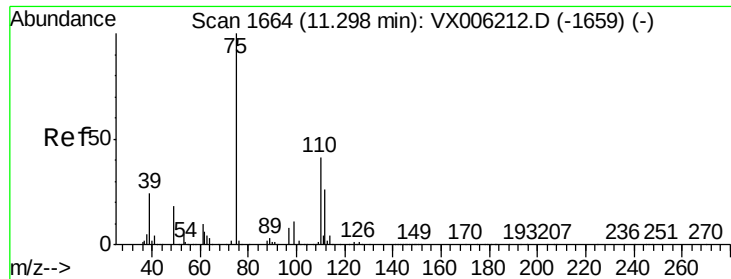
Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

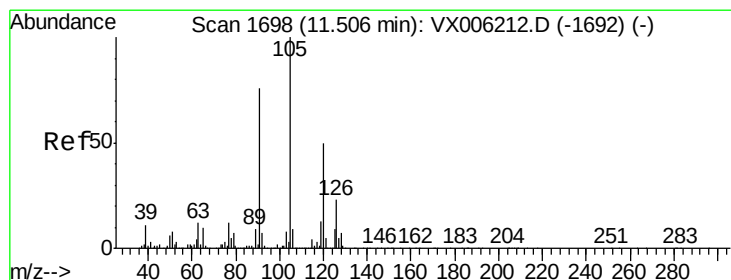
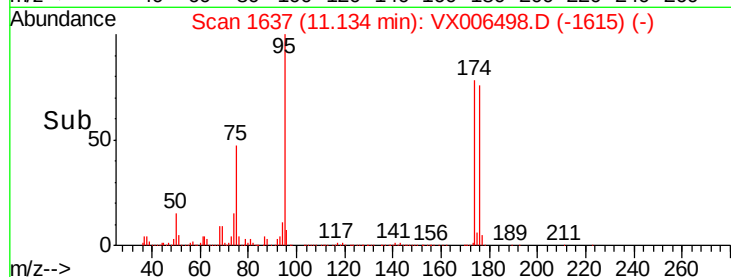
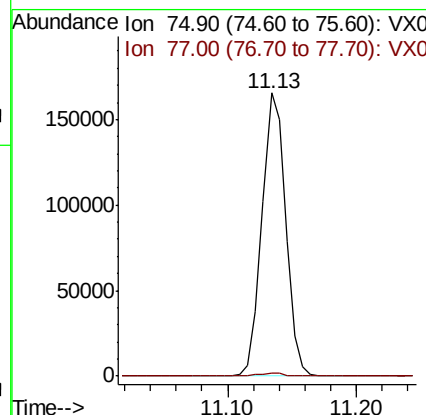
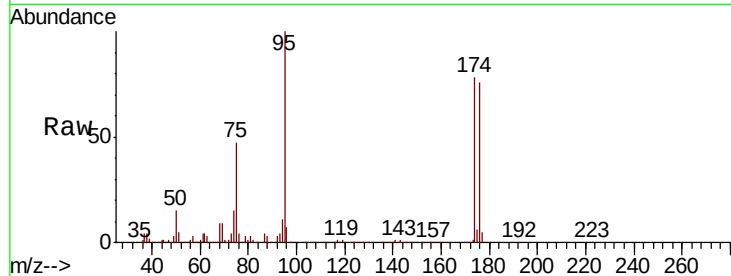




#76
 1,2,3-Trichloropropane
 Concen: 23.827 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006498.D
 Acq: 13 Dec 2018 16:37

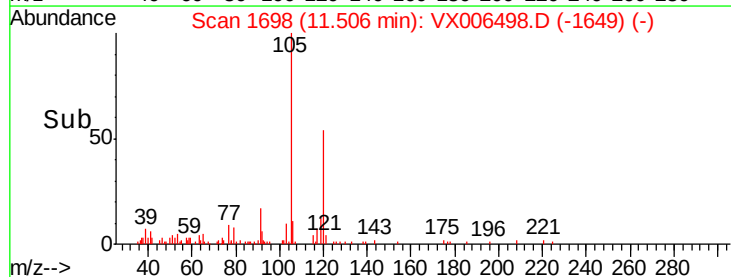
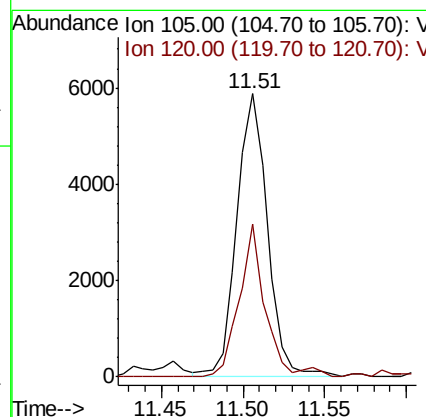
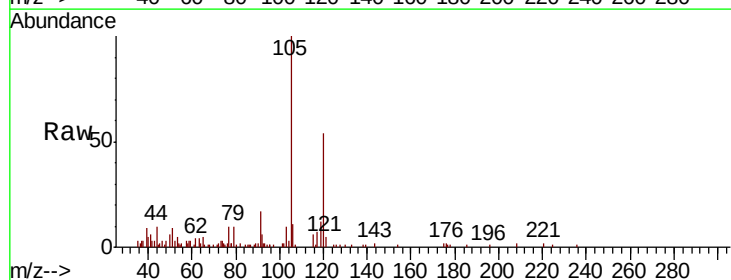
Instrument :
 MSVOA_X
 ClientSampleId :
 PB115614ZHE#06

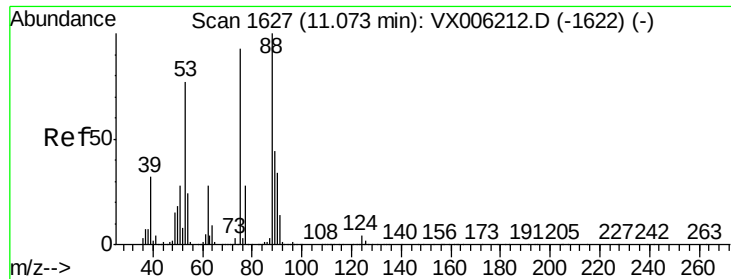
Tot Ion: 75 Resp: 209196
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.9 59.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.295 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006498.D
 Acq: 13 Dec 2018 16:37

Tgt Ion: 105 Resp: 7709
 Ion Ratio Lower Upper
 105 100
 120 44.5 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.915 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006498.D

Acq: 13 Dec 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#06

Tot Ion: 75 Resp: 209196

Ion Ratio Lower Upper

75 100

53 0.3 64.4 96.6#

89 0.0 44.2 66.4#

