

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012419\
 Data File : VX007208.D
 Acq On : 24 Jan 2019 17:15
 Operator : JC/SP
 Sample : PB116589TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB116589TB

Quant Time: Jan 25 00:05:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	543251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	845004	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	807573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	383902	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	295439	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
35) Dibromofluoromethane	5.51	113	267308	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	8.71	98	1029669	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.13	95	359442	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	

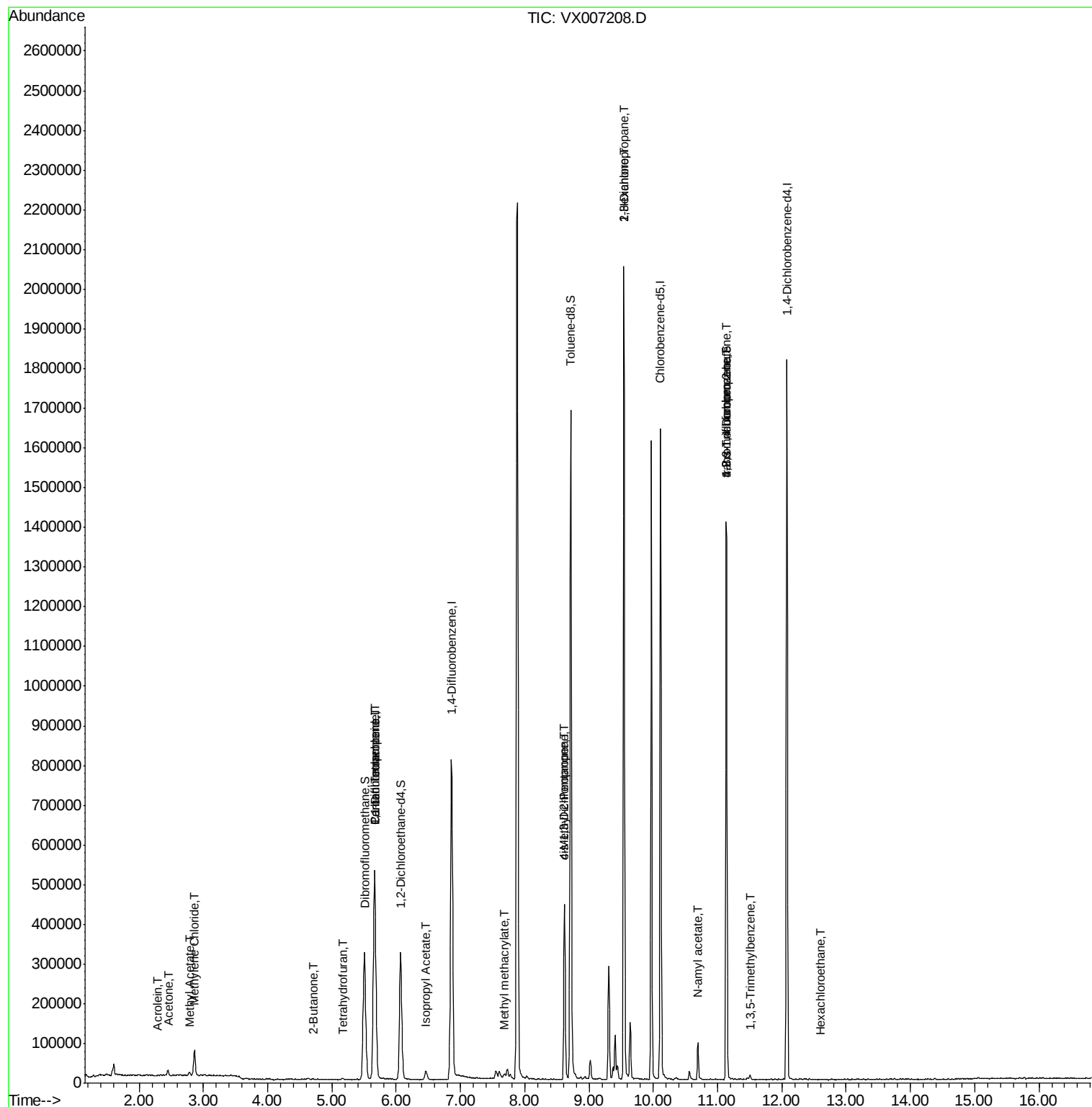
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.29	56	445	3.845	ug/l	94
16) Acetone	2.45	43	15318	5.458	ug/l #	88
18) Methyl Acetate	2.78	43	12489	1.537	ug/l #	87
20) Methylene Chloride	2.86	84	29503	5.017	ug/l	94
25) 2-Butanone	4.70	43	3440	0.857	ug/l #	74
29) Tetrahydrofuran	5.17	42	1562	0.598	ug/l #	34
36) 1,1-Dichloropropene	5.67	75	33740	4.593	ug/l #	48
38) Carbon Tetrachloride	5.66	117	49793	6.736	ug/l #	14
43) Isopropyl Acetate	6.46	43	28066	2.259	ug/l	97
48) Methyl methacrylate	7.68	41	14725	2.308	ug/l #	12
49) 1,4-Dioxane	7.76	88	52	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.62	43	143427	17.964	ug/l #	48
54) cis-1,3-Dichloropropene	8.62	75	71017	8.602	ug/l #	65
57) 1,3-Dichloropropane	9.54	76	16717	1.769	ug/l #	44
59) 2-Hexanone	9.54	43	226085	37.158	ug/l #	50
74) N-amyl acetate	10.69	43	21084	1.934	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	171268	22.015	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	4709	0.208	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	171268	65.194	ug/l #	10
90) Hexachloroethane	12.60	117	165	2.949	ug/l #	6

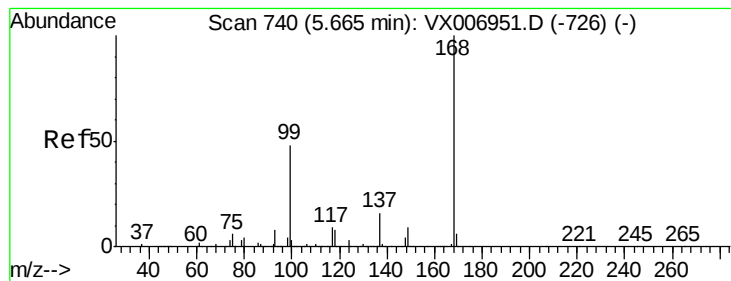
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 25 00:05:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
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: VX007208.D

Acq: 24 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

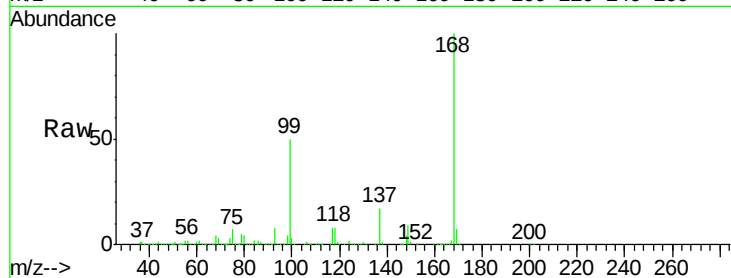
PB116589TB

Tot Ion:168 Resp: 543251

Ion Ratio Lower Upper

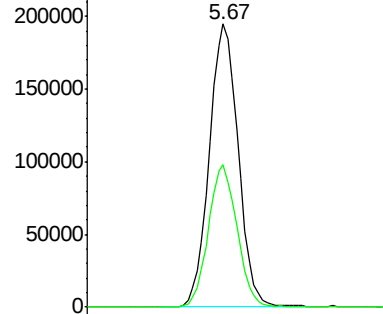
168 100

99 50.2 41.8 62.8

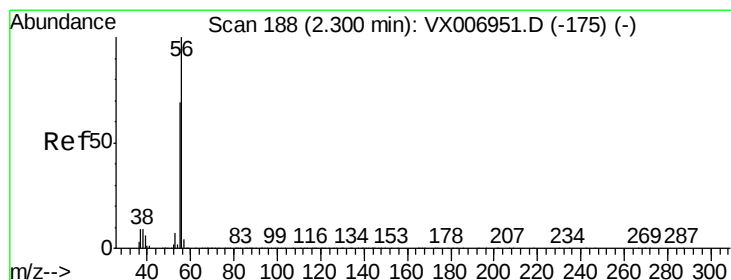
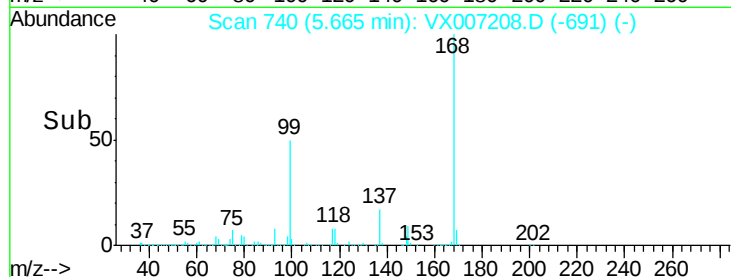


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time--> 5.50 5.60 5.70 5.80



#13

Acrolein

Concen: 3.845 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007208.D

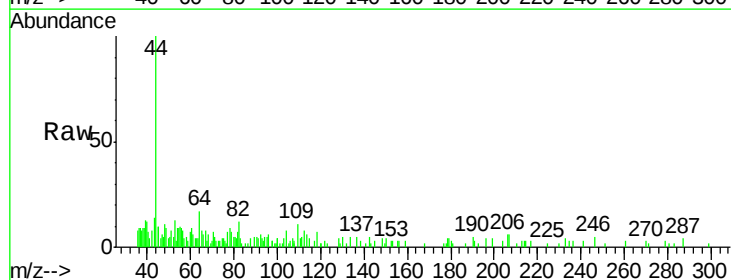
Acq: 24 Jan 2019 17:15

Tgt Ion: 56 Resp: 445

Ion Ratio Lower Upper

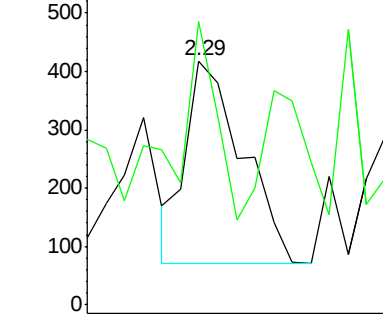
56 100

55 67.9 58.2 87.4

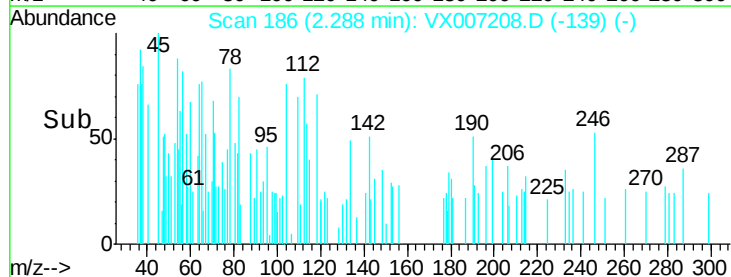


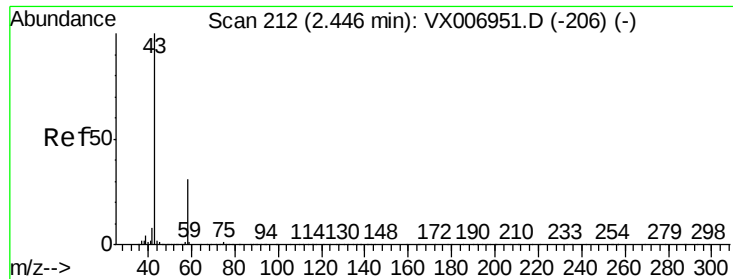
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time--> 2.26 2.28 2.30 2.32 2.34

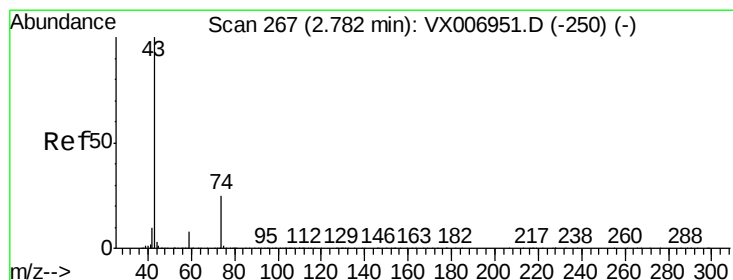
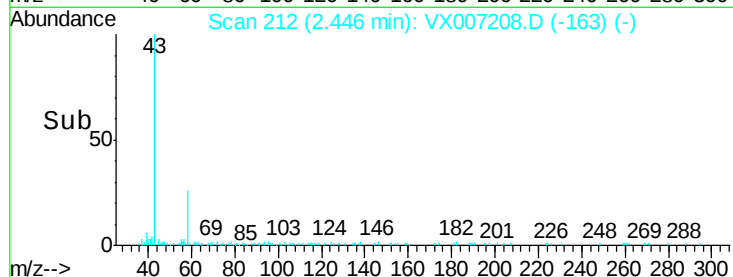
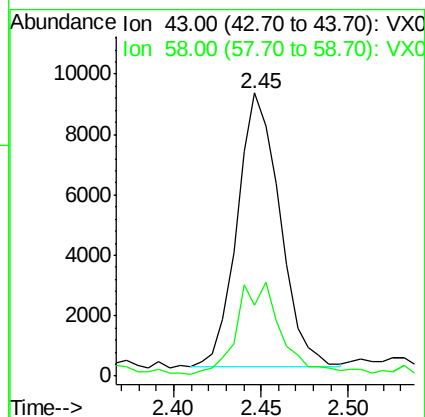
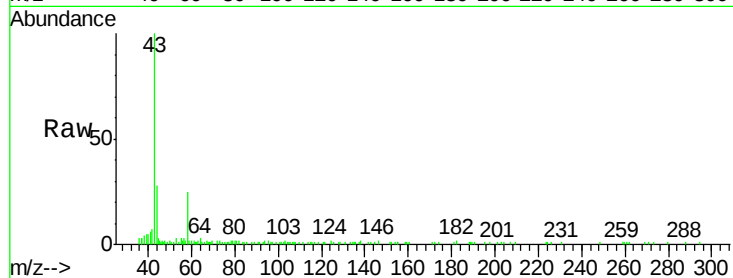




#16
Acetone
Concen: 5.458 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007208.D
Acq: 24 Jan 2019 17:15

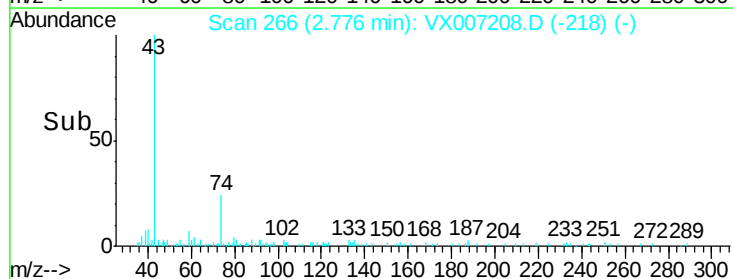
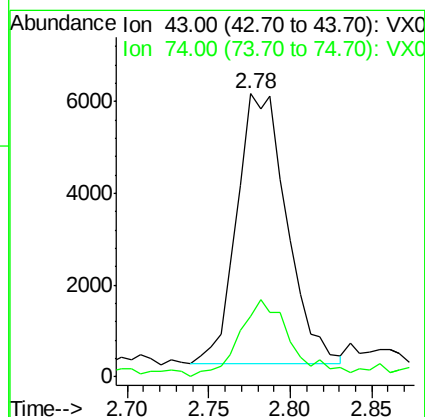
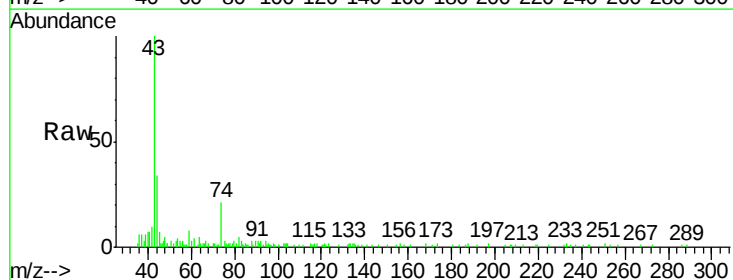
Instrument :
MSVOA_X
ClientSampled :
PB116589TB

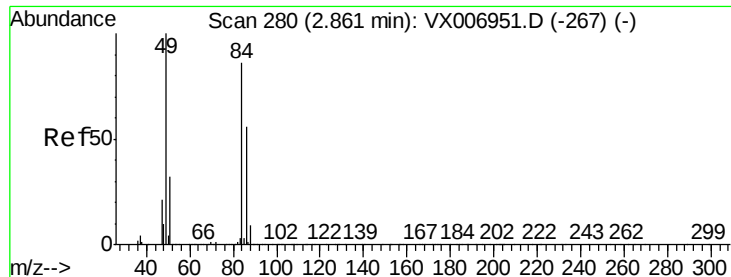
Tot Ion: 43 Resp: 15318
Ion Ratio Lower Upper
43 100
58 24.9 25.0 37.6#



#18
Methyl Acetate
Concen: 1.537 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007208.D
Acq: 24 Jan 2019 17:15

Tgt Ion: 43 Resp: 12489
Ion Ratio Lower Upper
43 100
74 29.6 18.6 28.0#





#20

Methylene Chloride

Concen: 5.017 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

PB116589TB

Tot Ion: 84 Resp: 29503

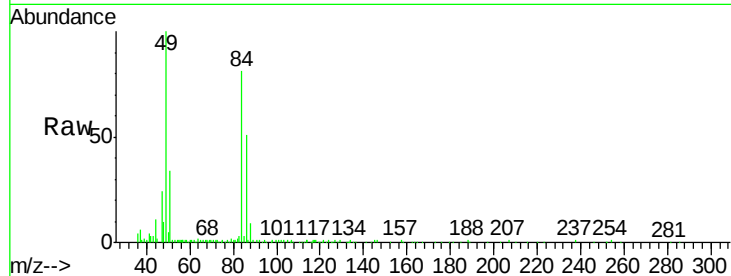
Ion Ratio Lower Upper

84 100

49 122.8 91.8 137.6

51 40.8 28.5 42.7

86 62.9 50.2 75.2

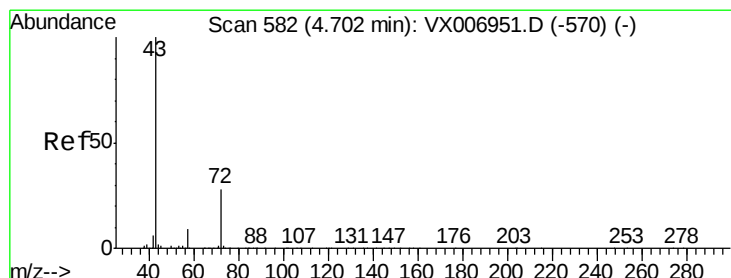
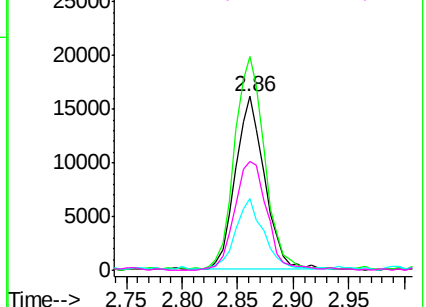
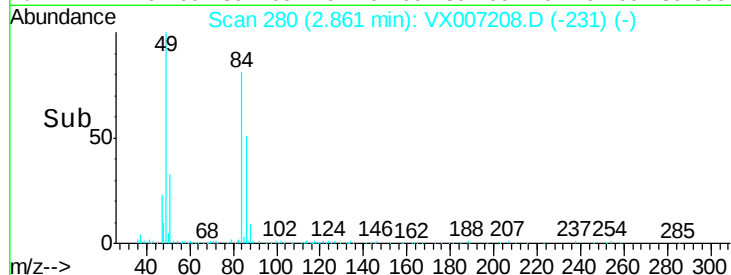


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.857 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007208.D

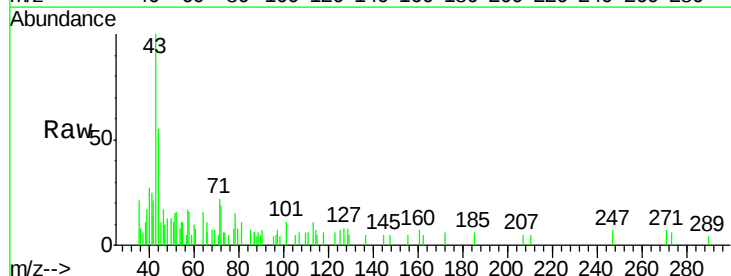
Acq: 24 Jan 2019 17:15

Tgt Ion: 43 Resp: 3440

Ion Ratio Lower Upper

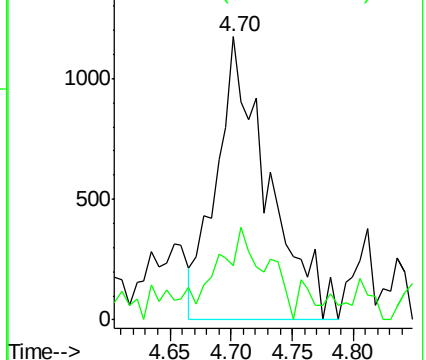
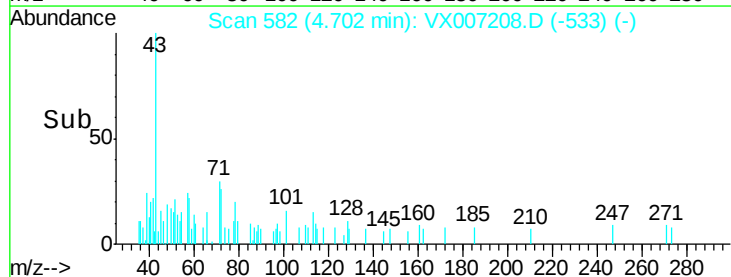
43 100

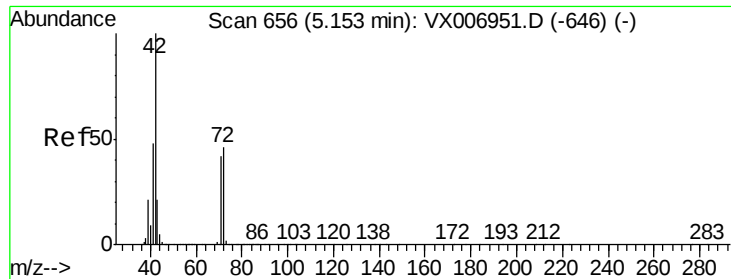
72 14.1 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.598 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

PB116589TB

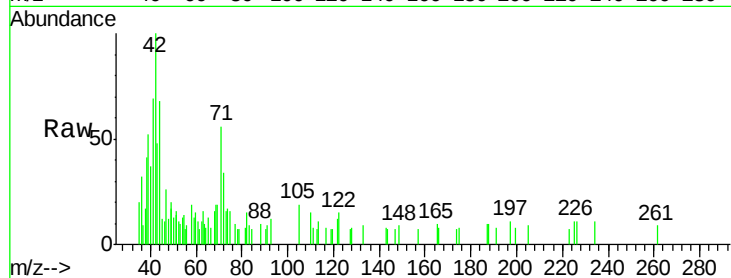
Tot Ion: 42 Resp: 1562

Ion Ratio Lower Upper

42 100

72 0.0 38.9 58.3#

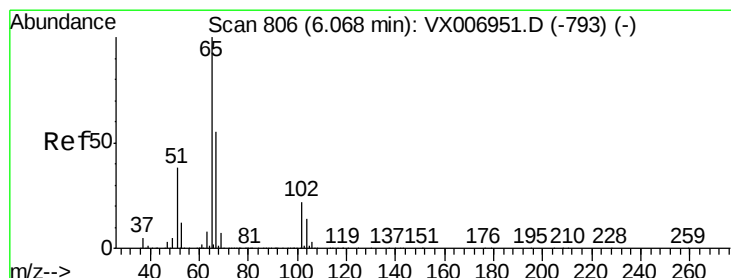
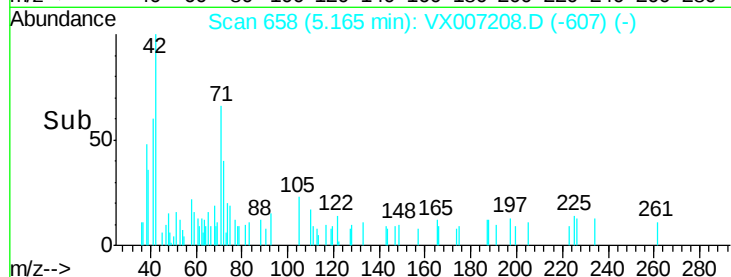
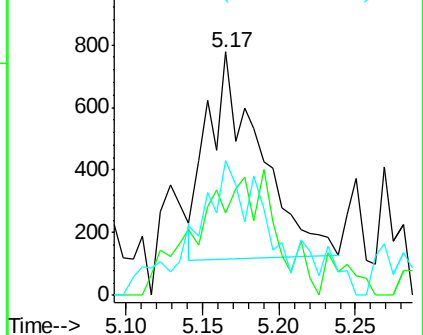
71 84.3 36.2 54.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.037 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007208.D

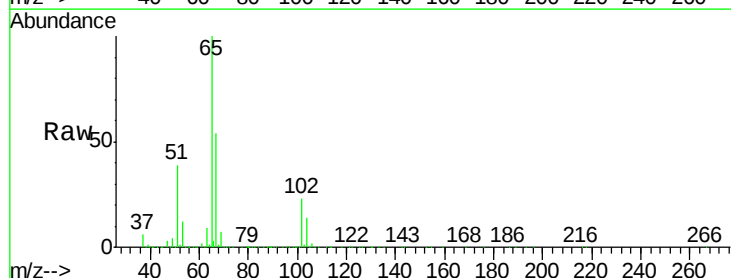
Acq: 24 Jan 2019 17:15

Tgt Ion: 65 Resp: 295439

Ion Ratio Lower Upper

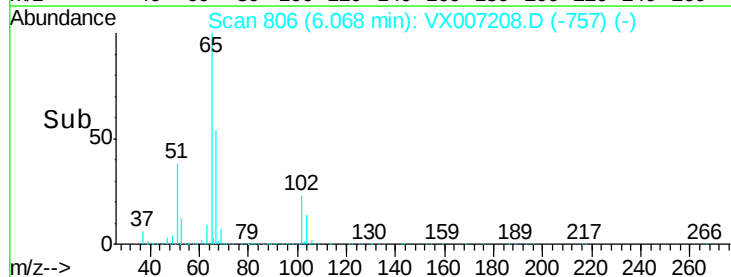
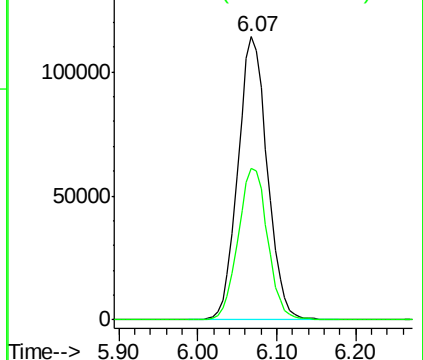
65 100

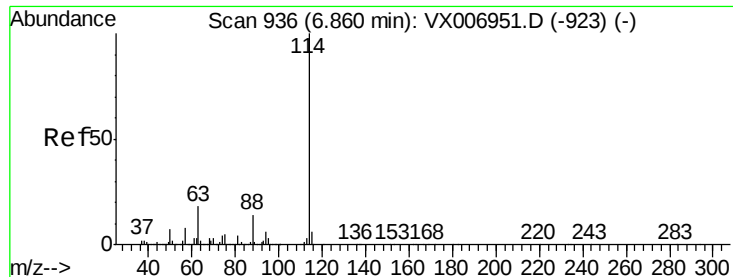
67 54.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

PB116589TB

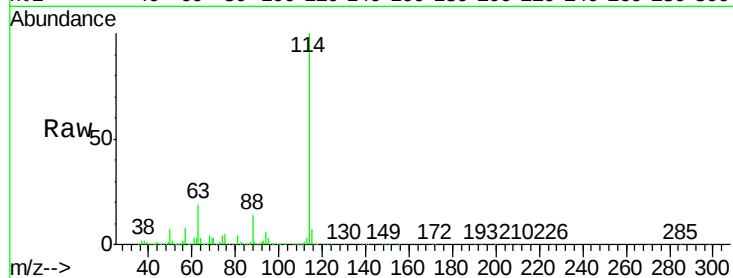
Tot Ion:114 Resp: 845004

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

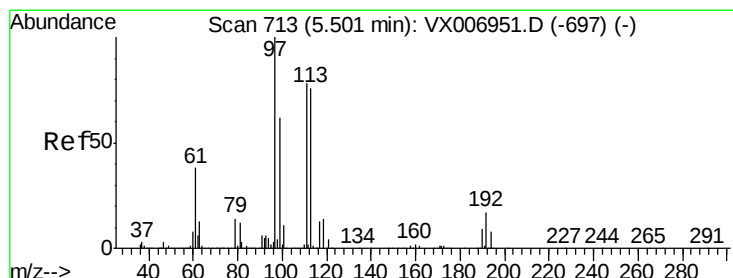
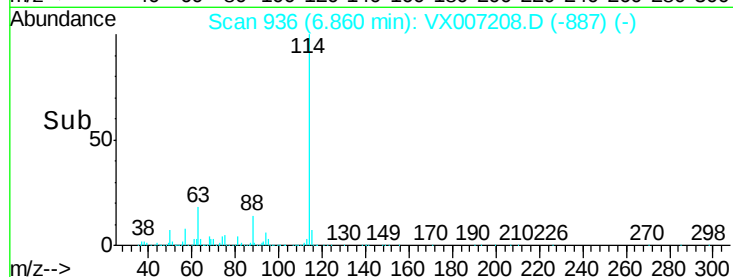
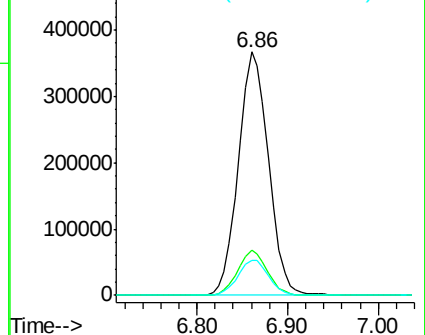
88 14.2 0.0 28.8



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: 49.398 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

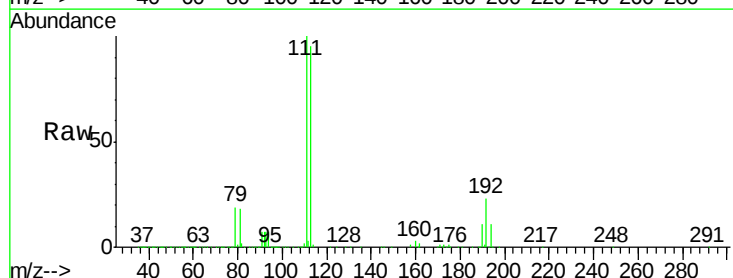
Tgt Ion:113 Resp: 267308

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

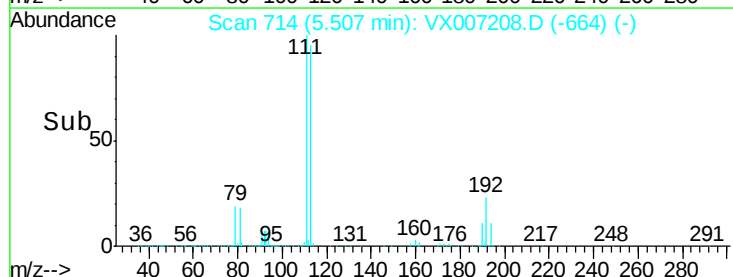
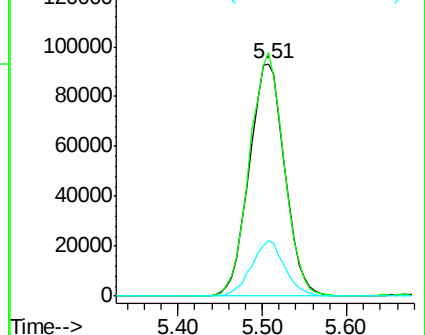
192 22.4 16.7 25.1

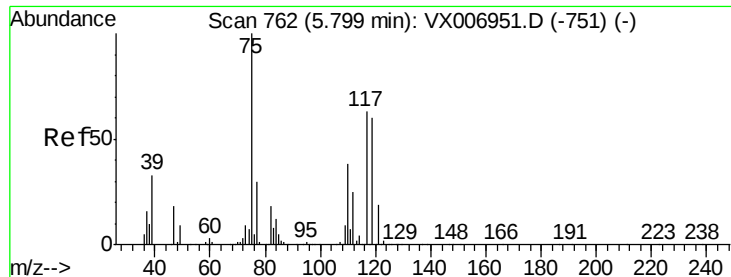


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

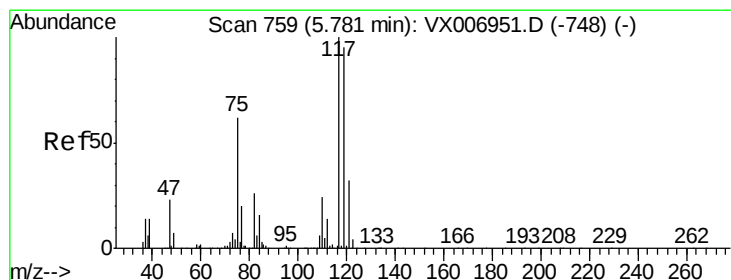
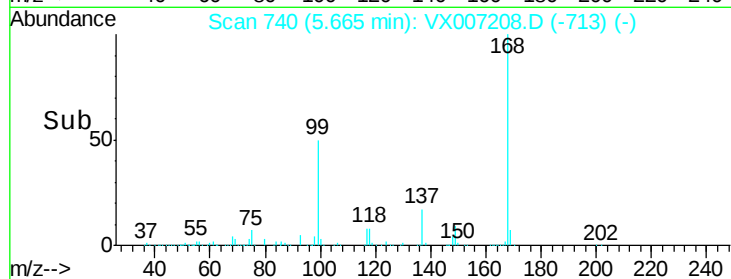
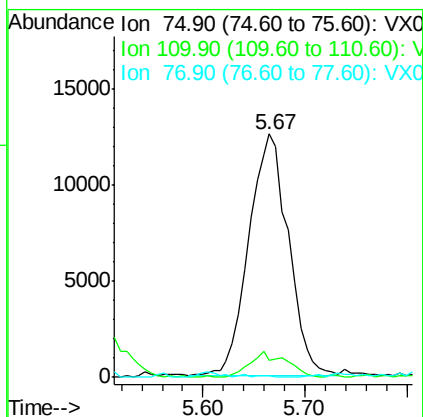
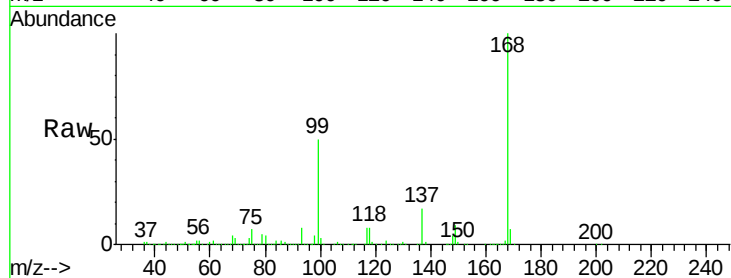




#36
 1,1-Dichloropropene
 Concen: 4.593 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007208.D
 Acq: 24 Jan 2019 17:15

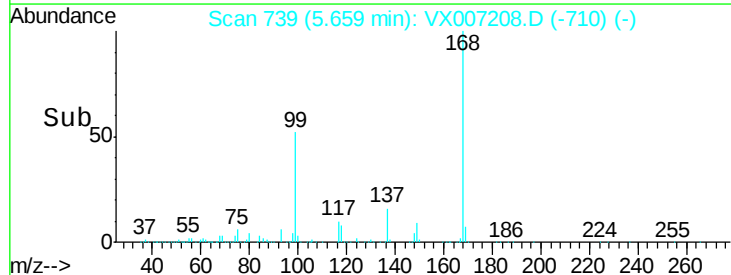
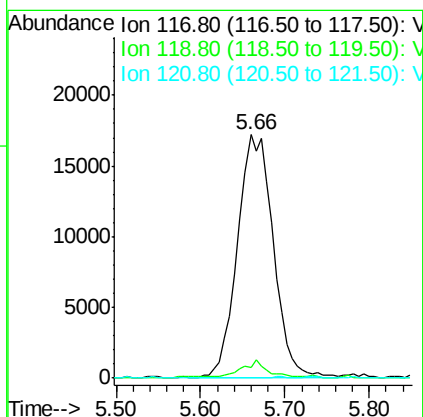
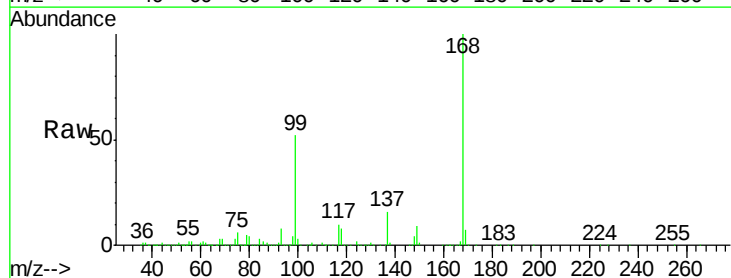
Instrument :
 MSVOA_X
 ClientSampleId :
 PB116589TB

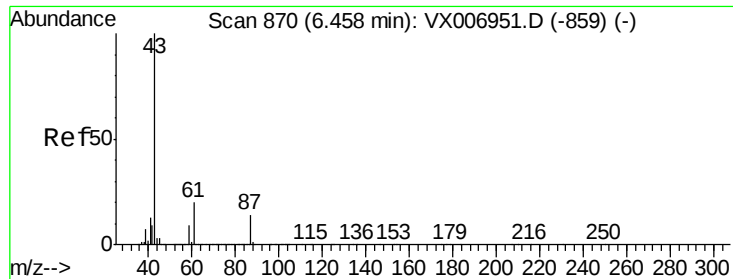
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	20.2	60.5#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.736 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX007208.D
 Acq: 24 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	79.4	119.2#
121	0.0	24.0	36.0#



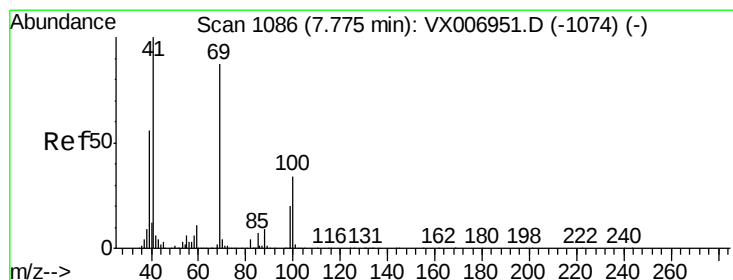
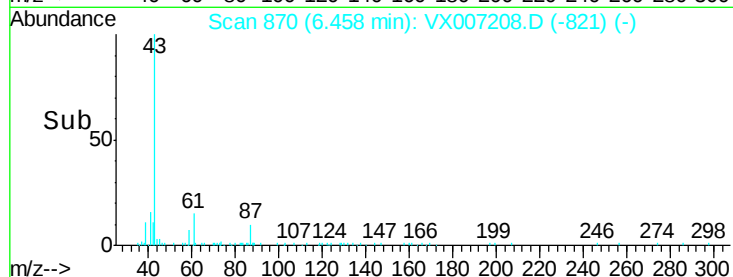
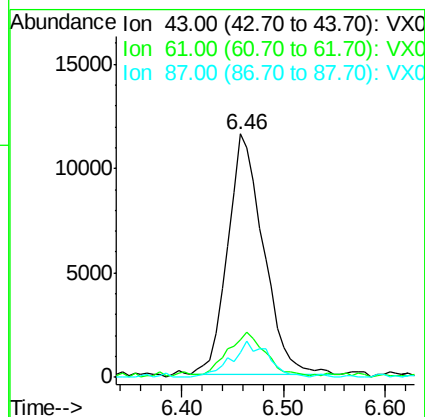
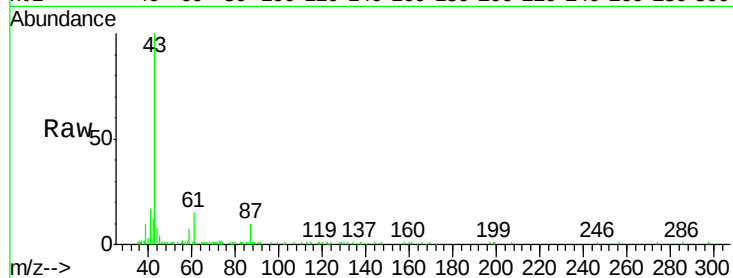


#43

Isopropyl Acetate
 Concen: 2.259 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007208.D
 Acq: 24 Jan 2019 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 PB116589TB

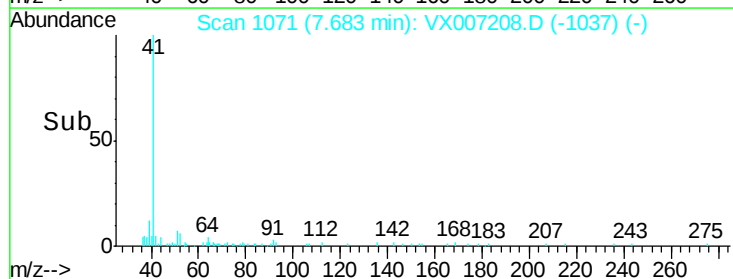
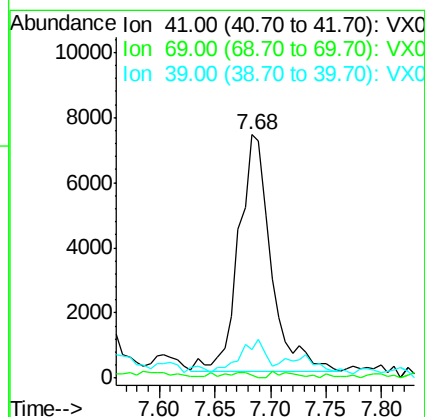
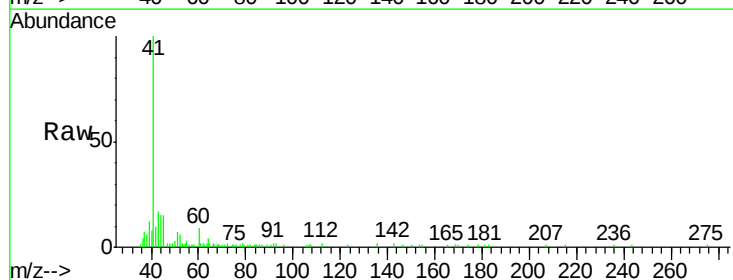
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	16.8	25.2
87	15.5	12.4	18.6

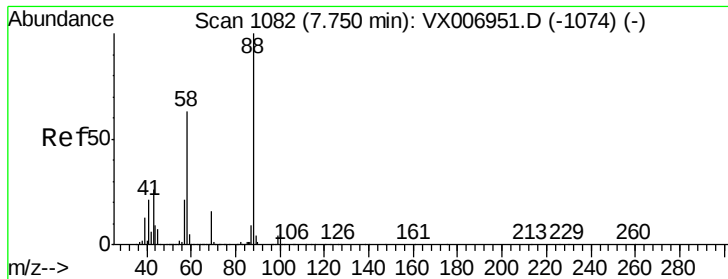


#48

Methyl methacrylate
 Concen: 2.308 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX007208.D
 Acq: 24 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	1.1	72.4	108.6#
39	0.0	45.8	68.8#

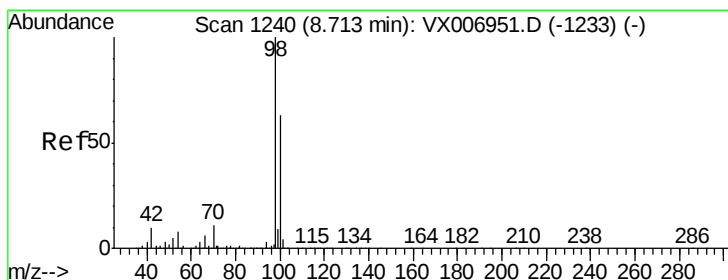
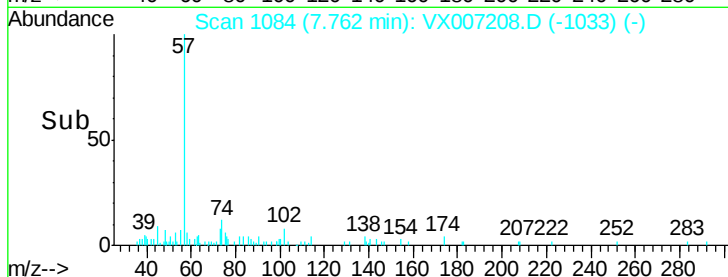
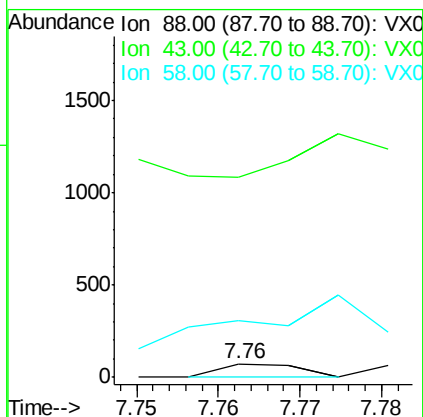
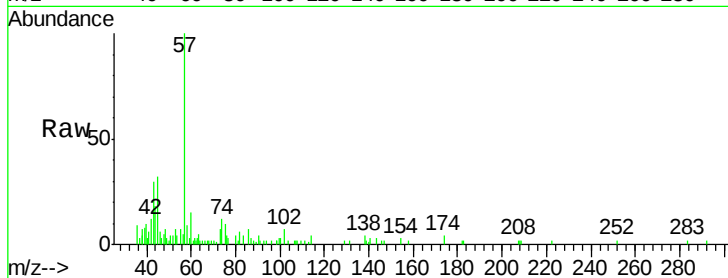




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX007208.D
Acq: 24 Jan 2019 17:15

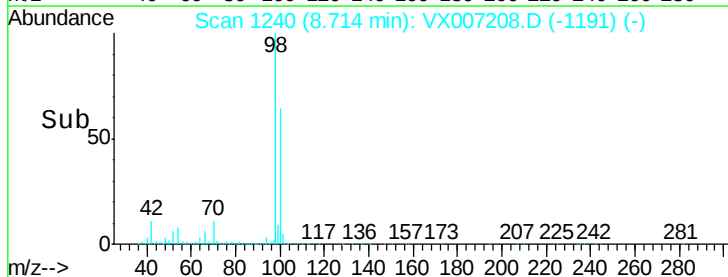
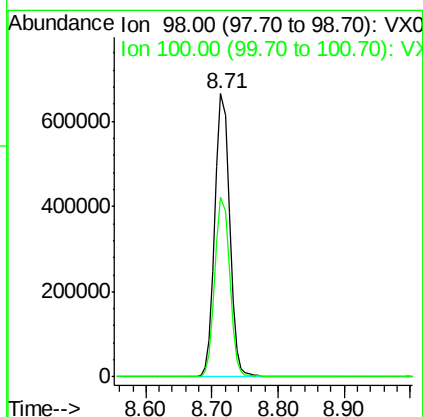
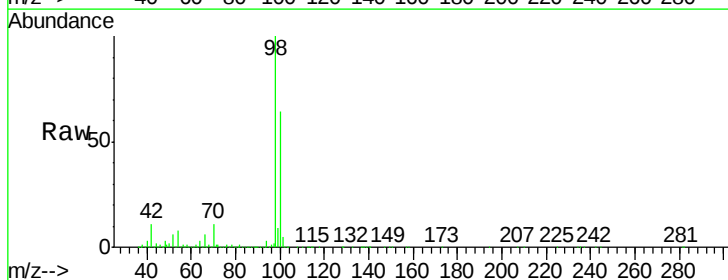
Instrument :
MSVOA_X
ClientSampleId :
PB116589TB

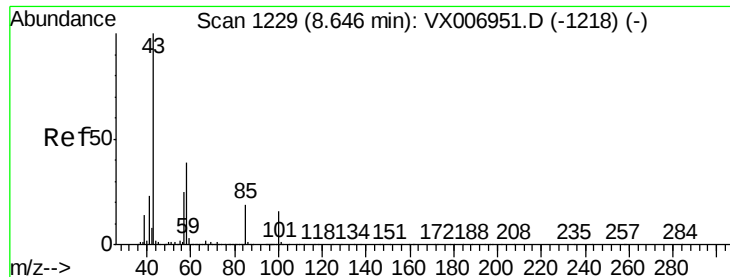
Tot Ion	88	Resp	52
Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.2	33.4#
58	0.0	51.0	76.4#



#50
Toluene-d8
Concen: 51.984 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007208.D
Acq: 24 Jan 2019 17:15

Tgt Ion	98	Resp	1029669
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 17.964 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampled :

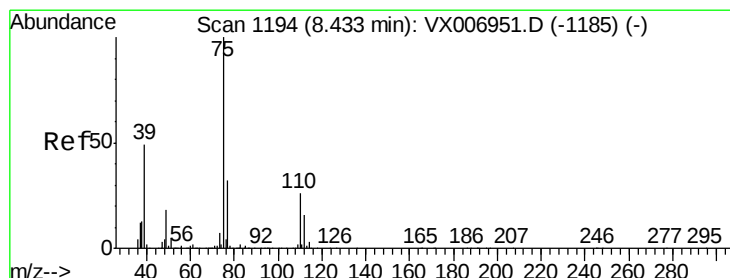
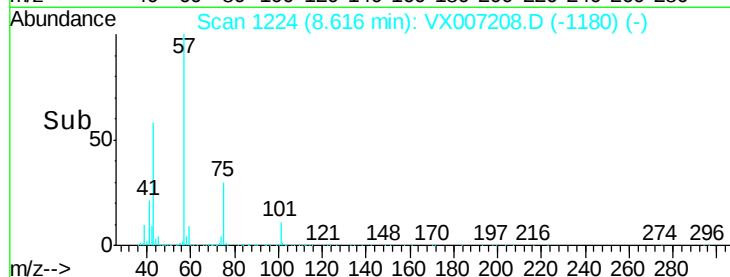
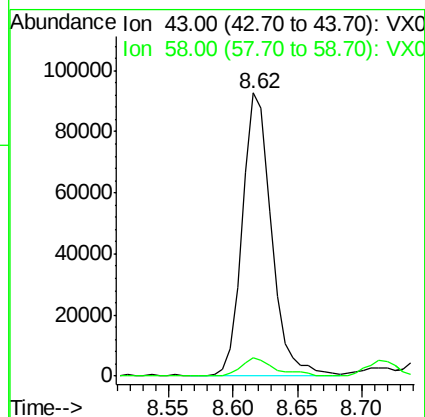
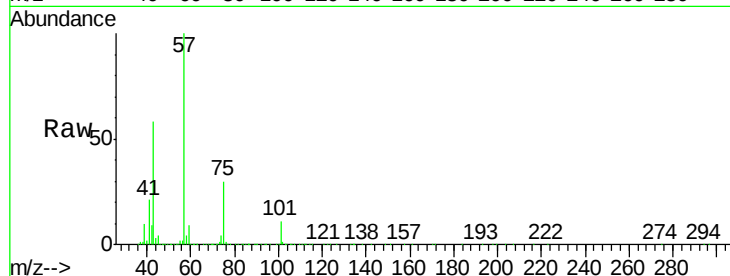
PB116589TB

Tot Ion: 43 Resp: 143427

Ion Ratio Lower Upper

43 100

58 7.7 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 8.602 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

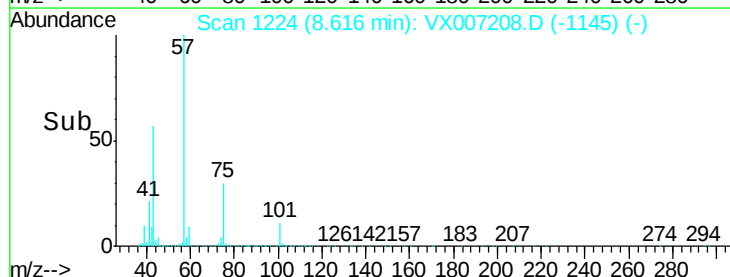
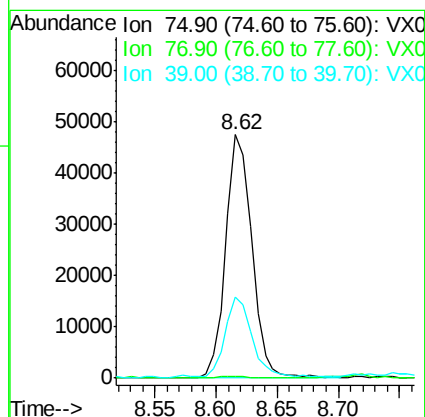
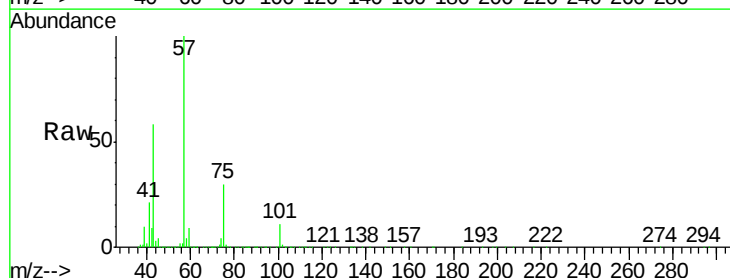
Tgt Ion: 75 Resp: 71017

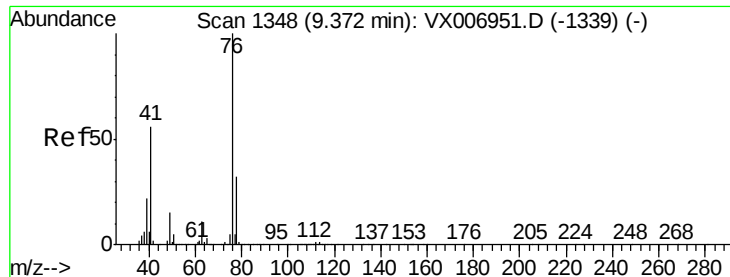
Ion Ratio Lower Upper

75 100

77 0.6 26.2 39.2#

39 32.9 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 1.769 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

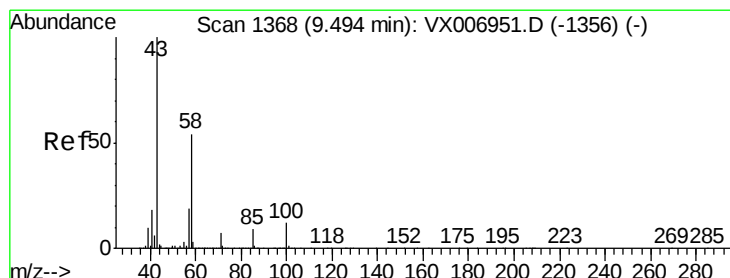
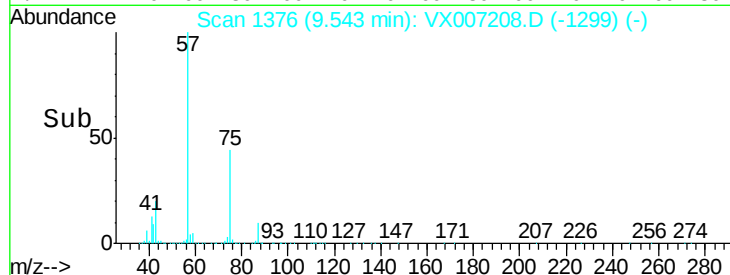
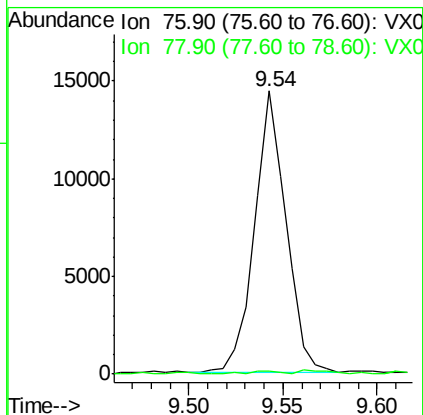
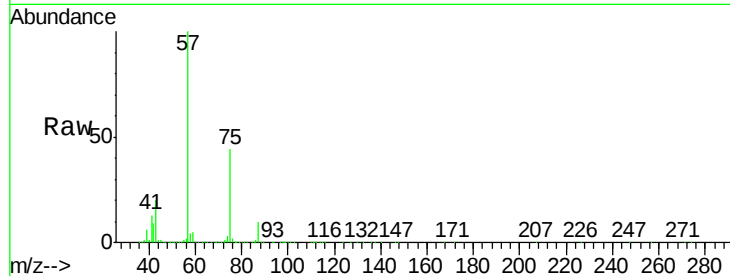
PB116589TB

Tot Ion: 76 Resp: 16717

Ion Ratio Lower Upper

76 100

78 1.0 26.0 39.0#



#59

2-Hexanone

Concen: 37.158 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007208.D

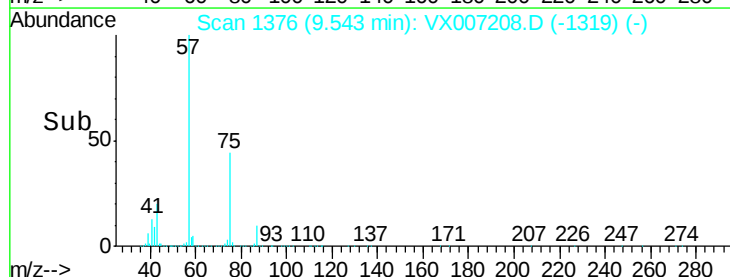
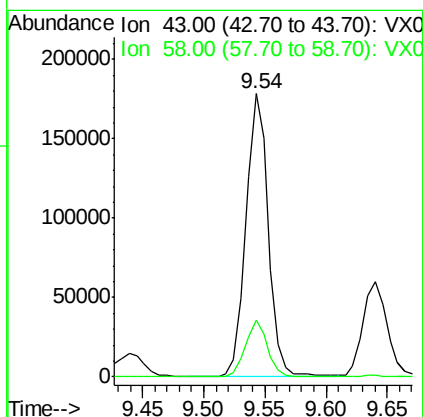
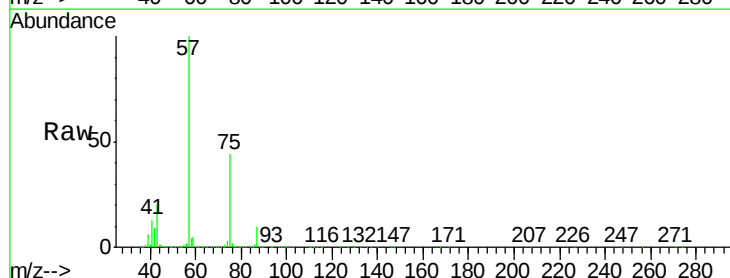
Acq: 24 Jan 2019 17:15

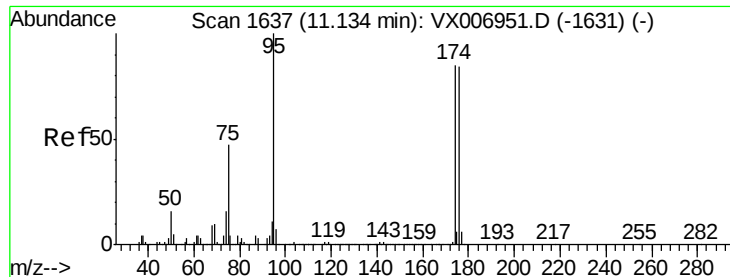
Tgt Ion: 43 Resp: 226085

Ion Ratio Lower Upper

43 100

58 19.5 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 52.053 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

PB116589TB

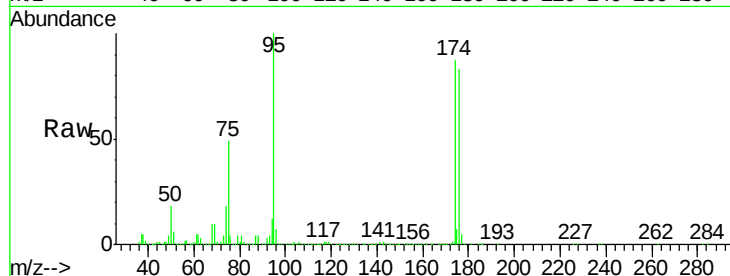
Tot Ion: 95 Resp: 359442

Ion Ratio Lower Upper

95 100

174 93.2 0.0 182.2

176 89.3 0.0 178.8

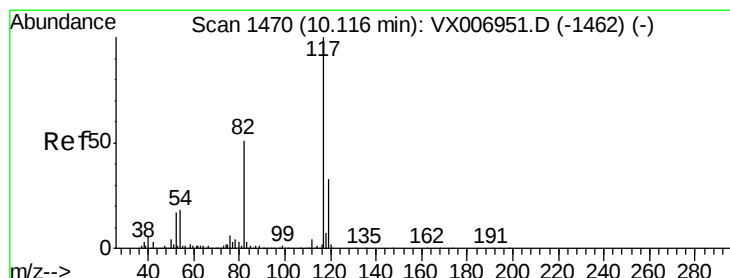
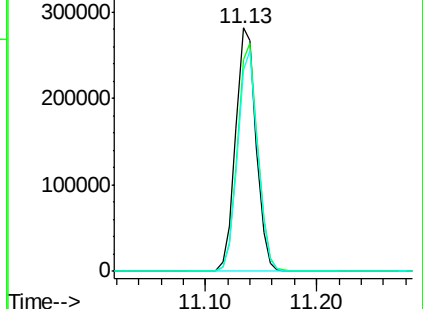
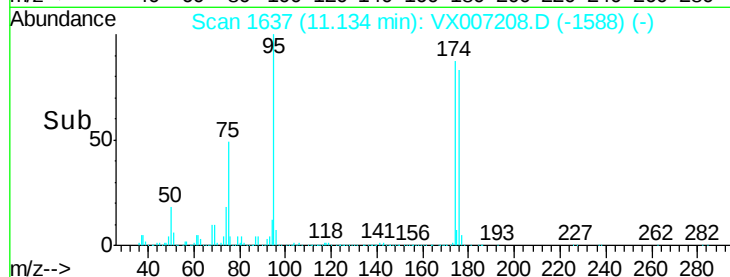


Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

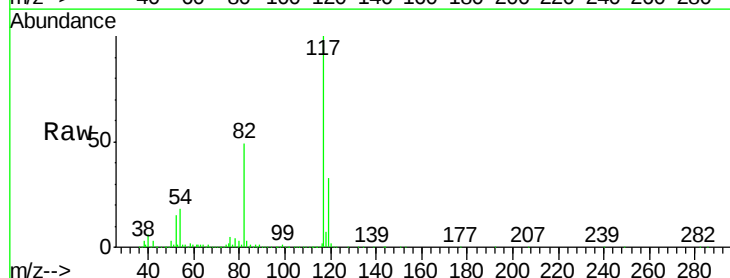
Tgt Ion: 117 Resp: 807573

Ion Ratio Lower Upper

117 100

82 49.4 41.0 61.6

119 32.7 25.4 38.0

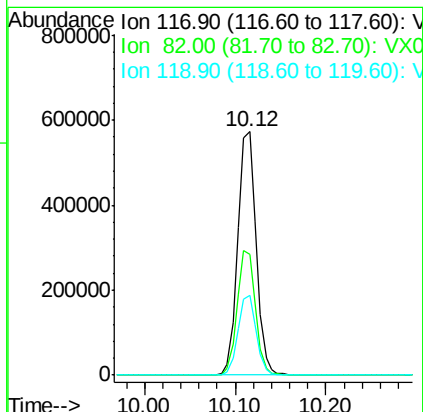
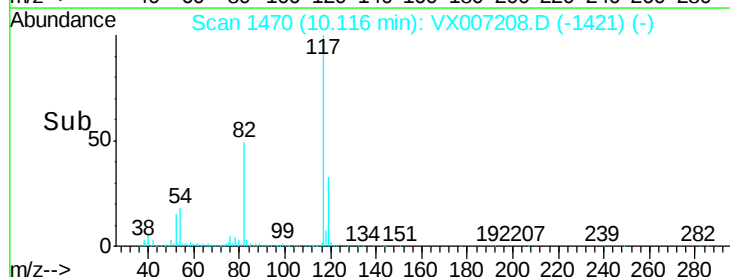


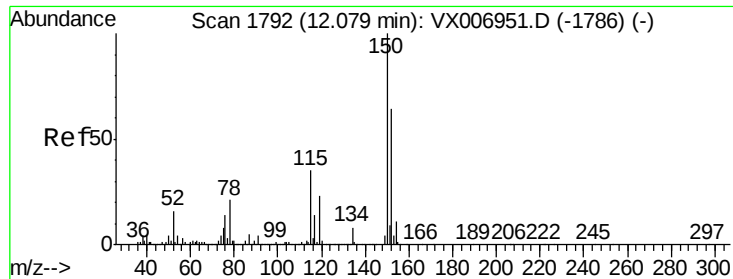
Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

PB116589TB

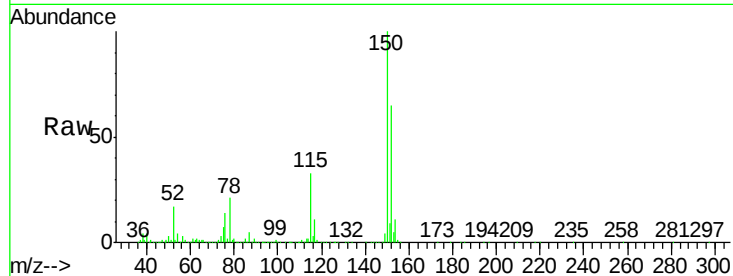
Tot Ion:152 Resp: 383902

Ion Ratio Lower Upper

152 100

115 54.5 39.1 117.2

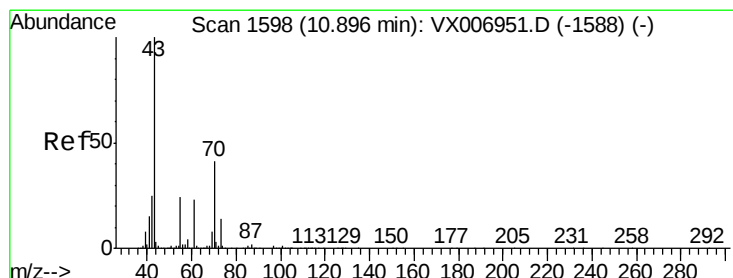
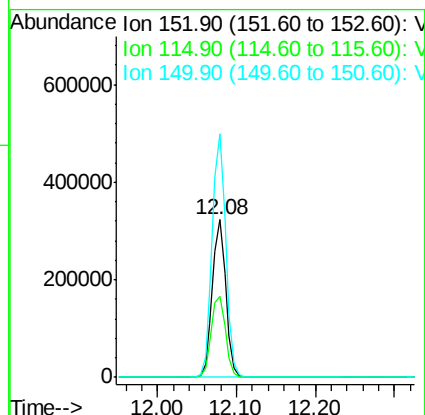
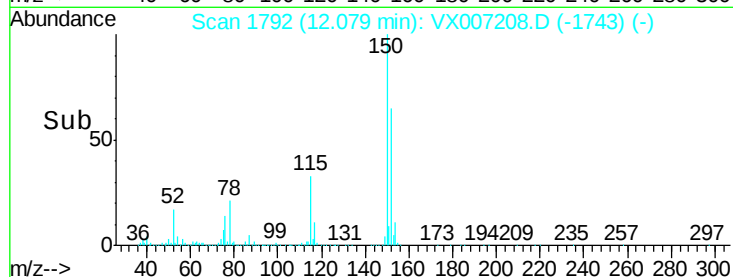
150 155.8 0.0 344.8



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: 1.934 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

Tgt Ion: 43 Resp: 21084

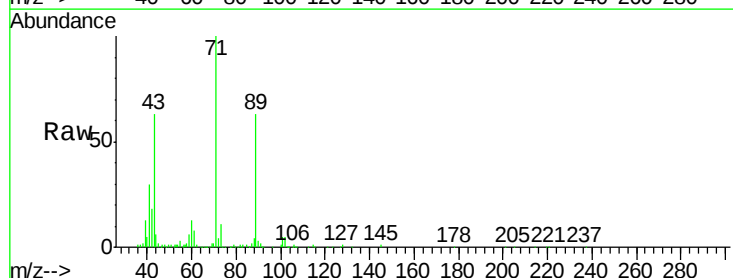
Ion Ratio Lower Upper

43 100

70 3.5 35.8 53.8#

55 7.0 19.4 29.0#

61 12.6 20.1 30.1#

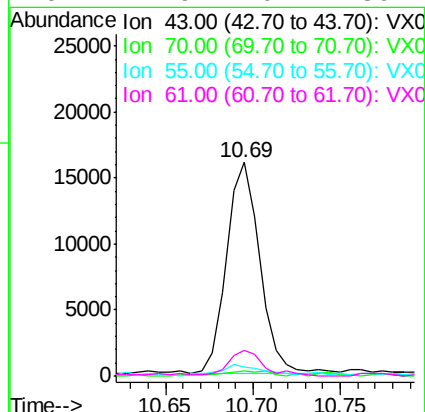
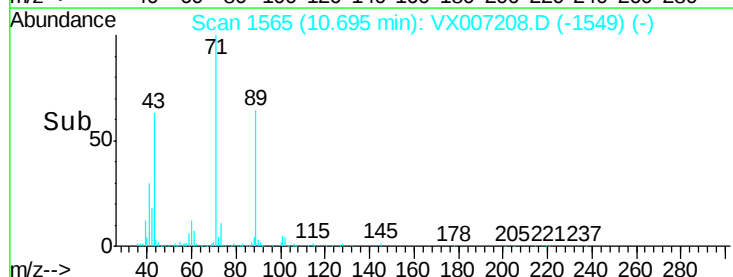


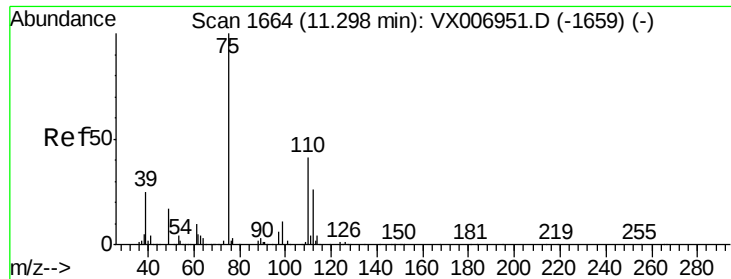
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

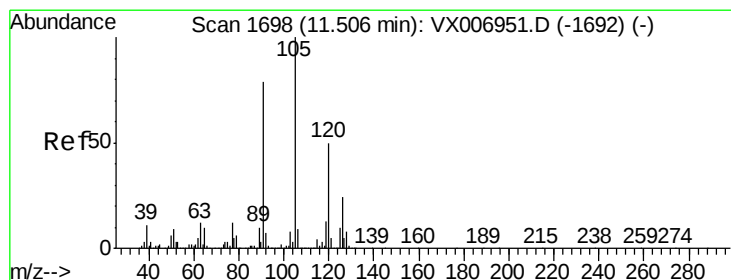
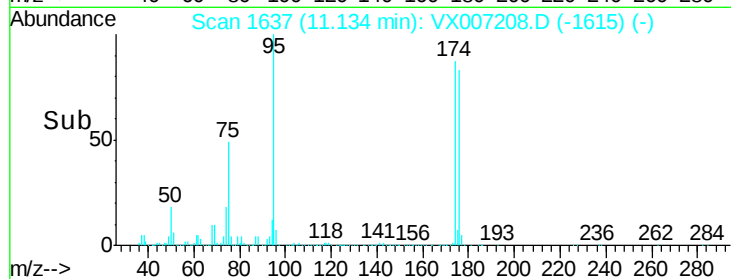
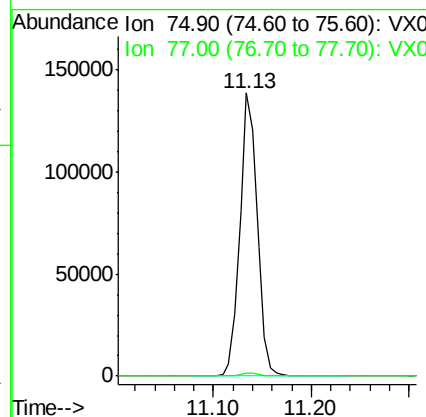
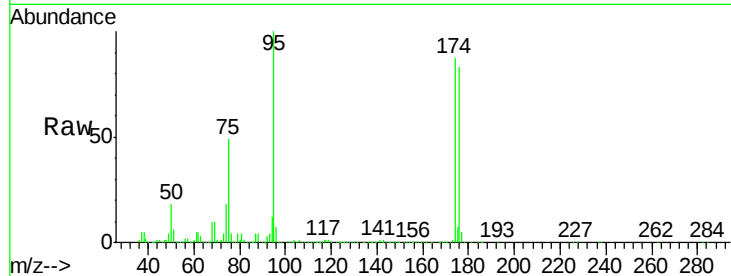




#76
 1,2,3-Trichloropropane
 Concen: 22.015 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007208.D
 Acq: 24 Jan 2019 17:15

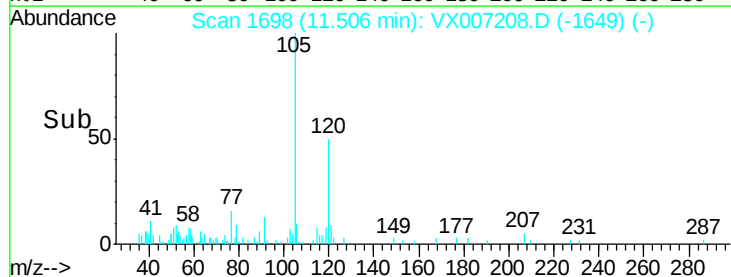
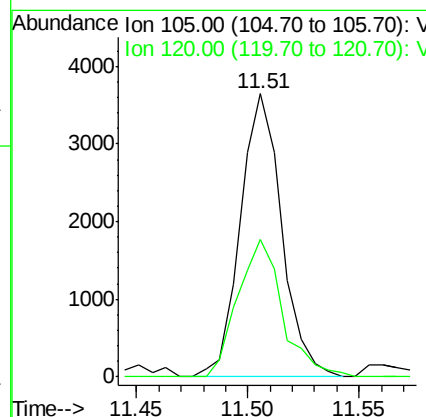
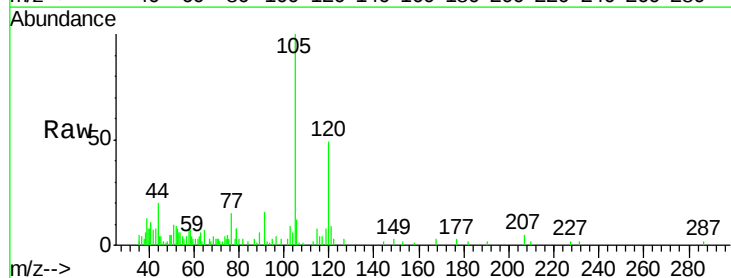
Instrument :
 MSVOA_X
 ClientSampleId :
 PB116589TB

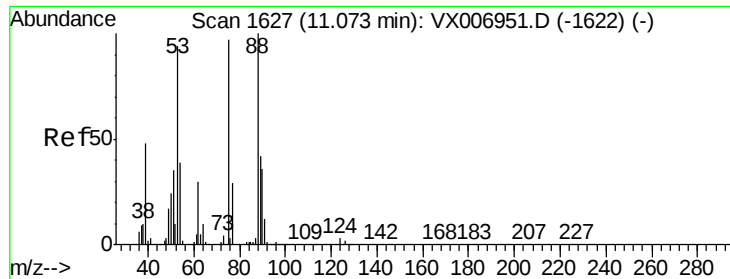
Tot Ion: 75 Resp: 171268
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.5 55.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.208 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007208.D
 Acq: 24 Jan 2019 17:15

Tgt Ion:105 Resp: 4709
 Ion Ratio Lower Upper
 105 100
 120 53.0 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 65.194 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007208.D

Acq: 24 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampled :

PB116589TB

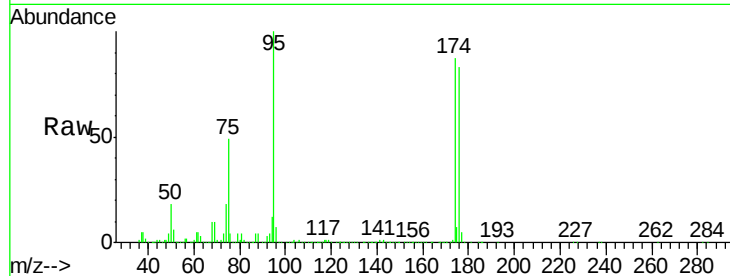
Tot Ion: 75 Resp: 171268

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

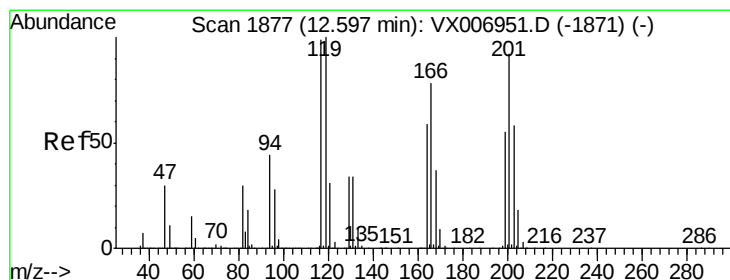
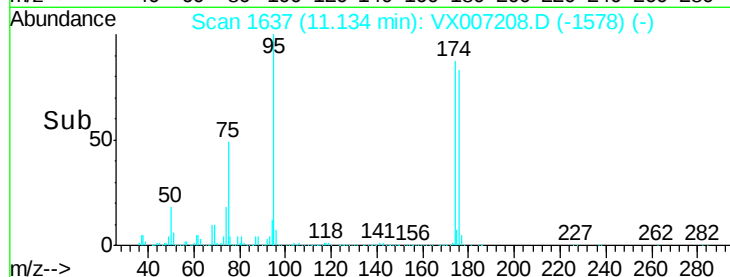
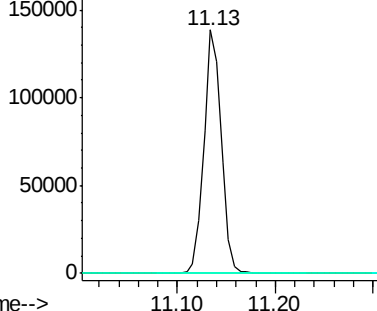
89 0.1 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#90

Hexachloroethane

Concen: 2.949 ug/l

RT: 12.60 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX007208.D

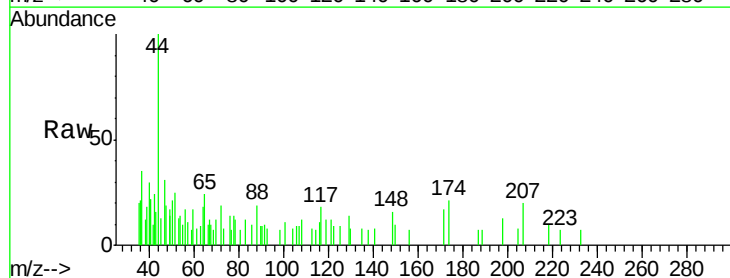
Acq: 24 Jan 2019 17:15

Tgt Ion: 117 Resp: 165

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

