

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX073019\
 Data File : VX011227.D
 Acq On : 31 Jul 2019 04:35
 Operator : JC/SP
 Sample : PB121803ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB121803ZHE#07

Quant Time: Jul 31 08:49:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	325983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	294735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133410	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110205	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
35) Dibromofluoromethane	5.50	113	95158	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
50) Toluene-d8	8.71	98	385312	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	126420	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	

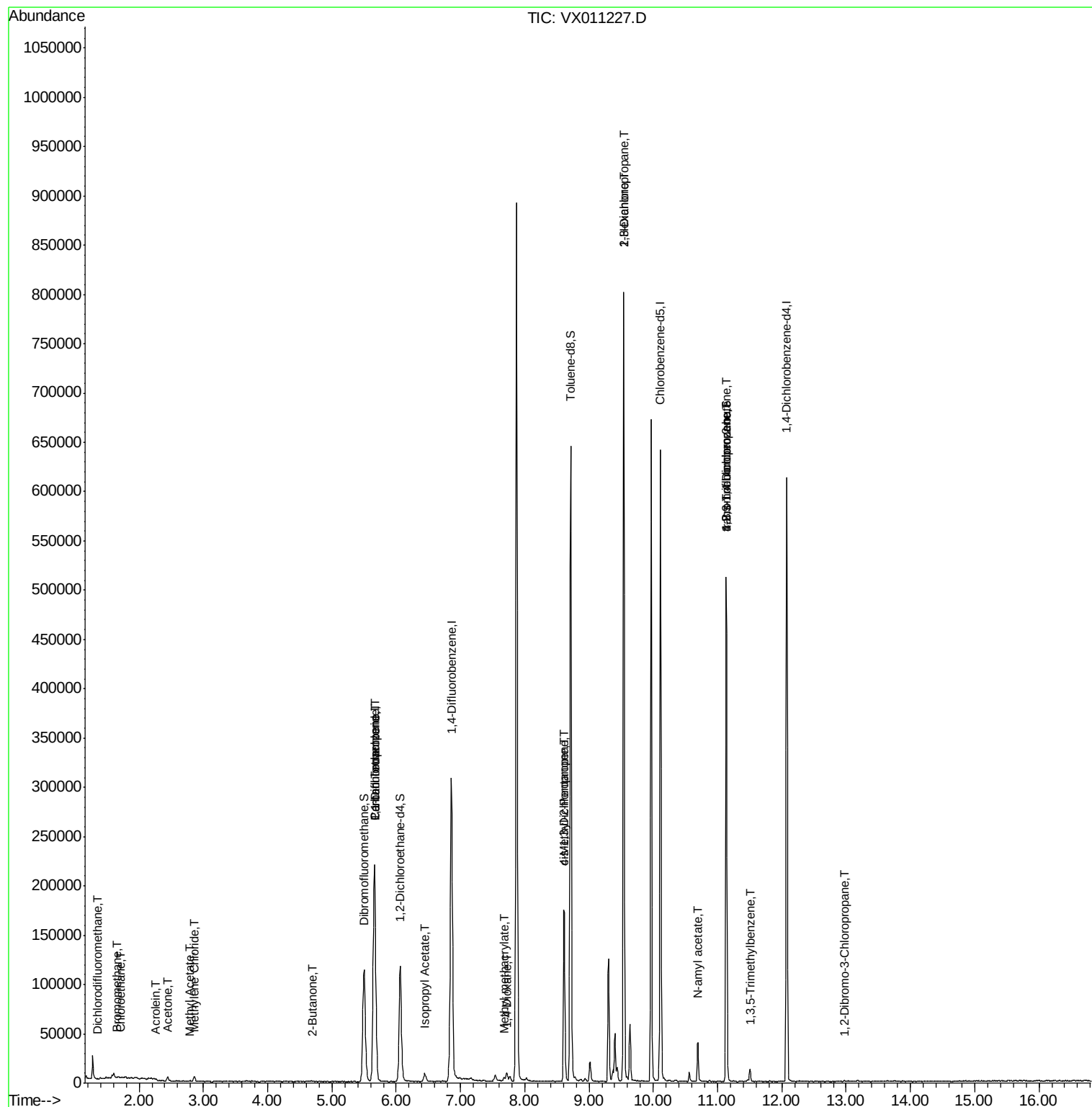
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	22	0.556	ug/l #	43
5) Bromomethane	1.66	94	368	0.314	ug/l #	58
6) Chloroethane	1.70	64	427	0.323	ug/l #	41
13) Acrolein	2.26	56	135	0.426	ug/l #	8
16) Acetone	2.45	43	4723	4.435	ug/l	92
18) Methyl Acetate	2.78	43	1847	0.762	ug/l #	88
20) Methylene Chloride	2.85	84	2366	1.048	ug/l	92
25) 2-Butanone	4.70	43	926	0.606	ug/l	91
36) 1,1-Dichloropropene	5.66	75	14840	5.542	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21252	7.617	ug/l #	17
43) Isopropyl Acetate	6.45	43	11395	2.527	ug/l	97
48) Methyl methacrylate	7.68	41	5110	2.327	ug/l #	10
49) 1,4-Dioxane	7.73	88	26	0.423	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	57479	19.668	ug/l #	48
54) cis-1,3-Dichloropropene	8.61	75	29319	9.228	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	7140	2.029	ug/l #	43
59) 2-Hexanone	9.54	43	90946	40.122	ug/l #	51
74) N-amyl acetate	10.69	43	9308	2.702	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	64250	26.688	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	5625	0.747	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	64250	66.213	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.98	75	135	0.219	ug/l #	1

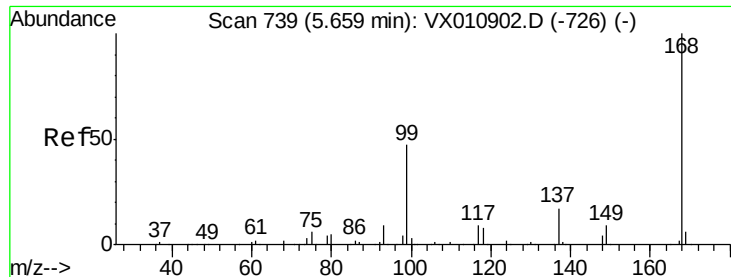
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

Instrument :

MSVOA_X

ClientSampleId :

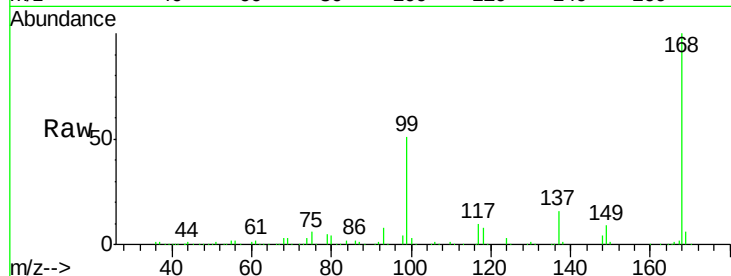
PB121803ZHE#07

Tgt Ion:168 Resp: 221639

Ion Ratio Lower Upper

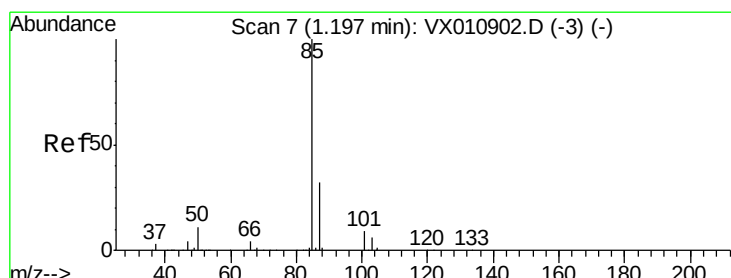
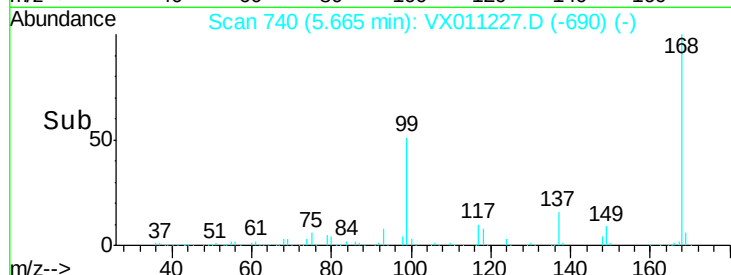
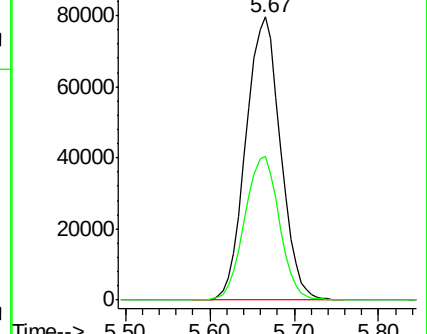
168 100

99 51.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.556 ug/l

RT: 1.35 min Scan# 33

Delta R.T. 0.16 min

Lab File: VX011227.D

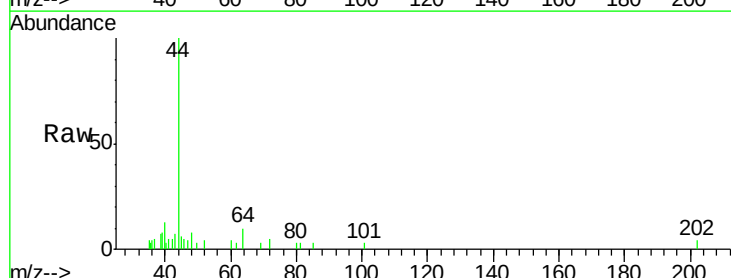
Acq: 31 Jul 2019 04:35

Tgt Ion: 85 Resp: 22

Ion Ratio Lower Upper

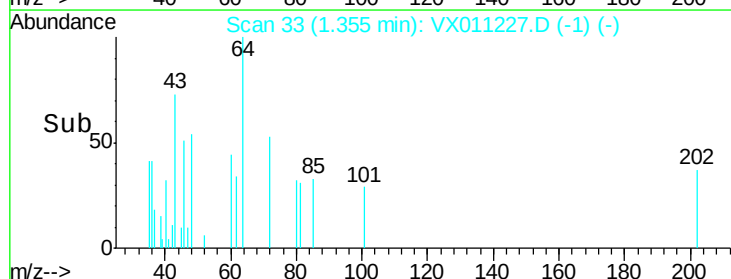
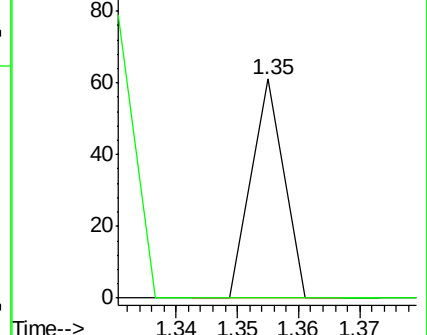
85 100

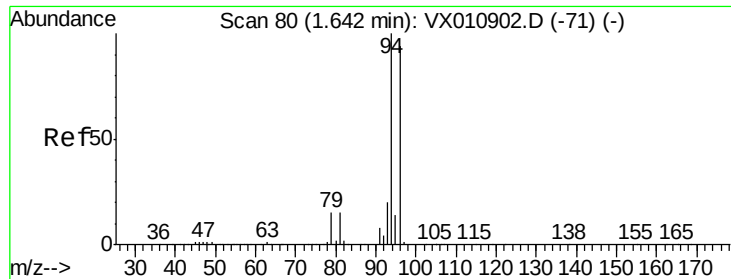
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.314 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

Instrument :

MSVOA_X

ClientSampleId :

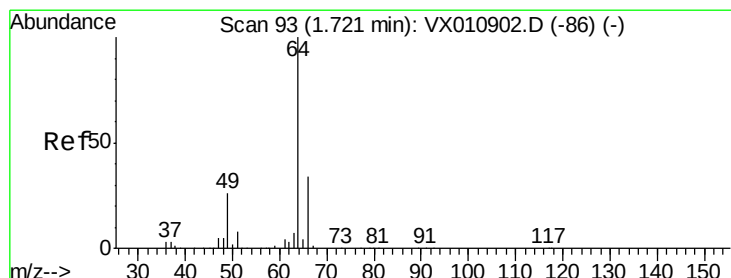
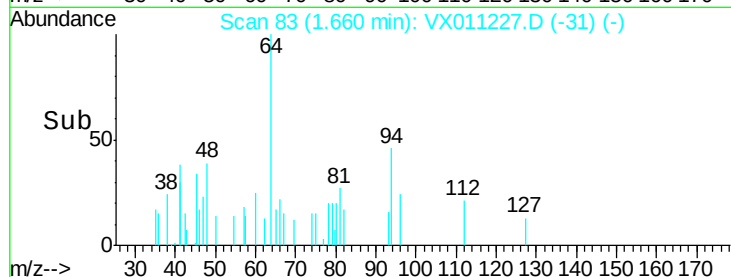
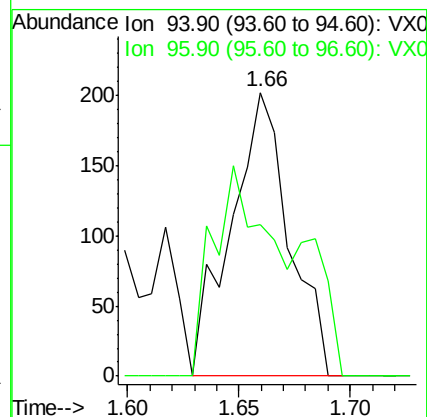
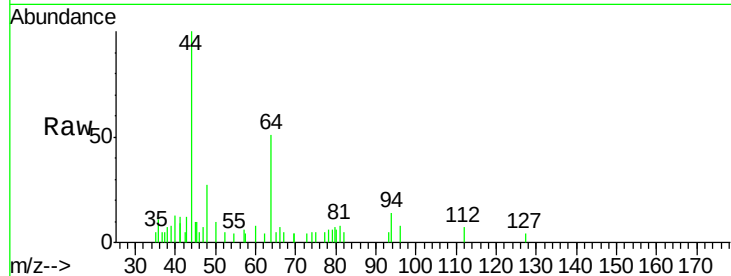
PB121803ZHE#07

Tgt Ion: 94 Resp: 368

Ion Ratio Lower Upper

94 100

96 53.5 75.6 113.4#



#6

Chloroethane

Concen: 0.323 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX011227.D

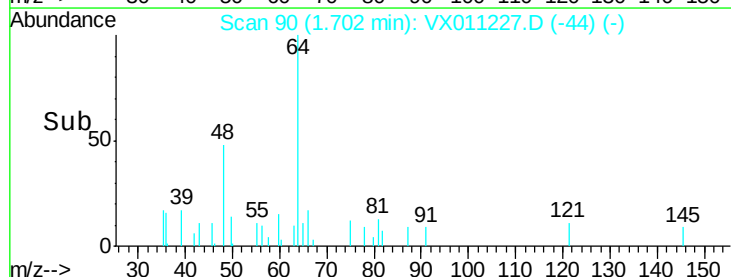
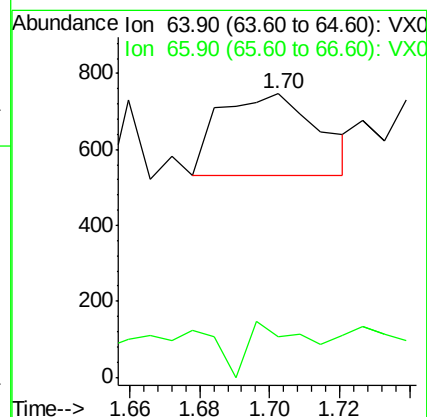
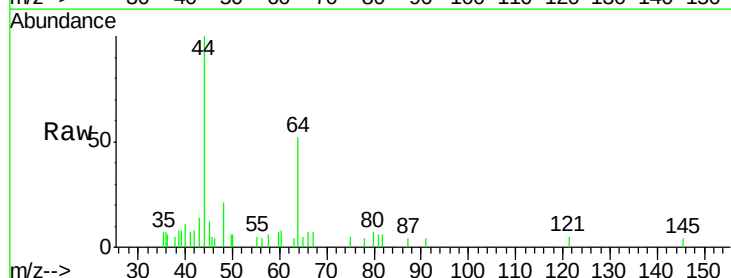
Acq: 31 Jul 2019 04:35

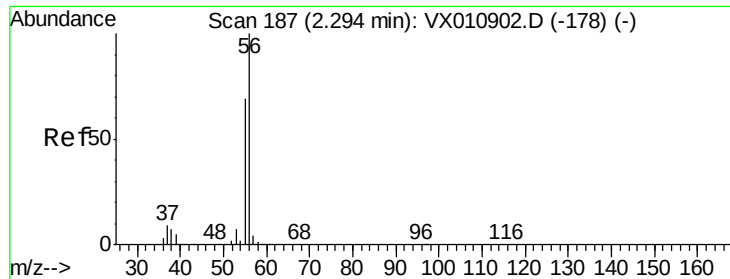
Tgt Ion: 64 Resp: 427

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#

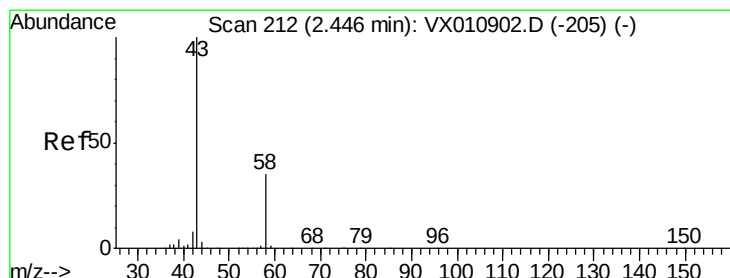
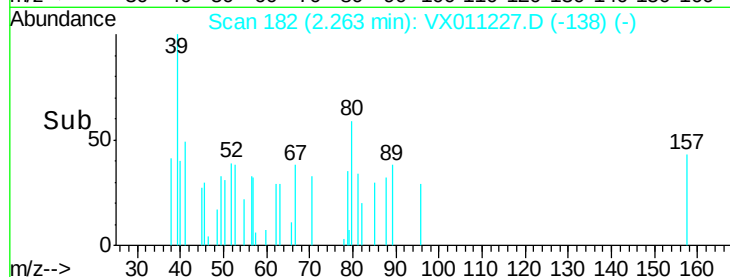
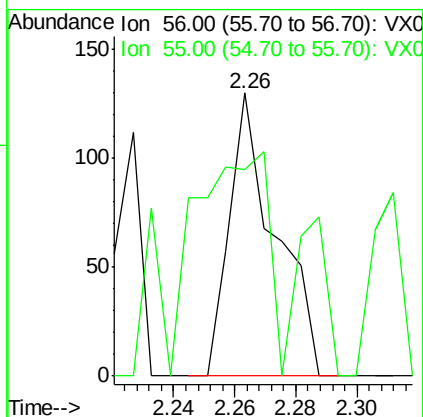
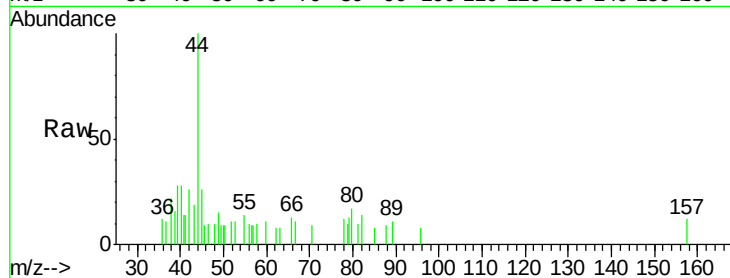




#13
Acrolein
Concen: 0.426 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.03 min
Lab File: VX011227.D
Acq: 31 Jul 2019 04:35

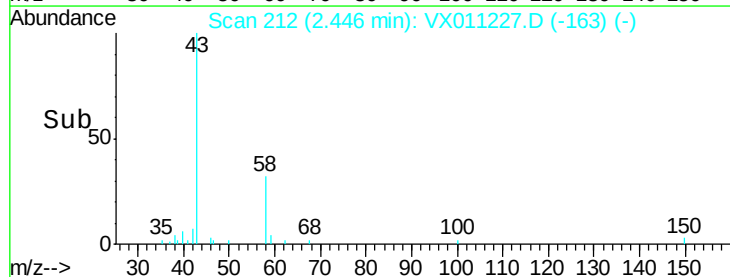
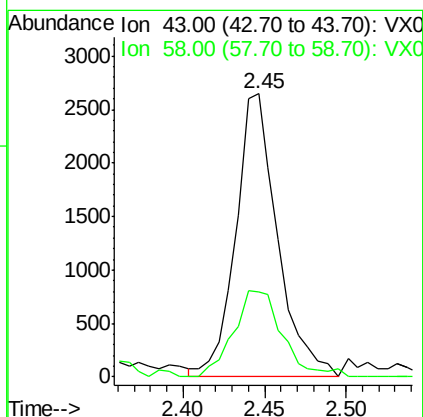
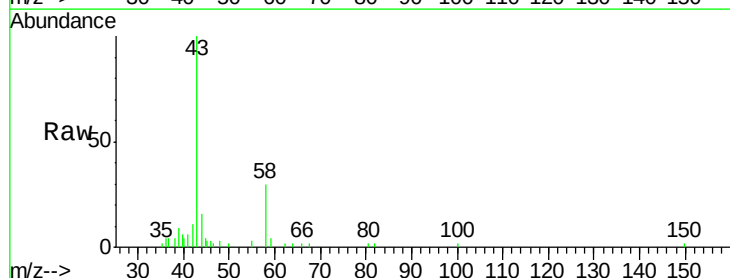
Instrument :
MSVOA_X
ClientSampleId :
PB121803ZHE#07

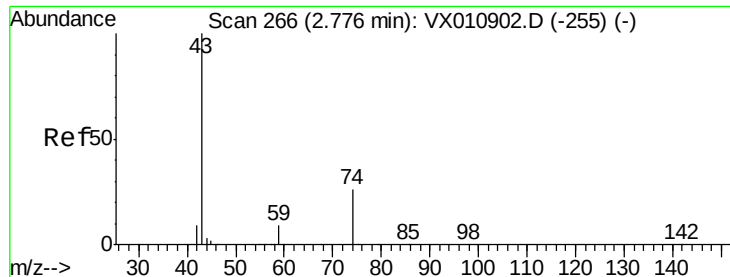
Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 145.2 55.9 83.9#



#16
Acetone
Concen: 4.435 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX011227.D
Acq: 31 Jul 2019 04:35

Tgt Ion: 43 Resp: 4723
Ion Ratio Lower Upper
43 100
58 30.2 27.7 41.5

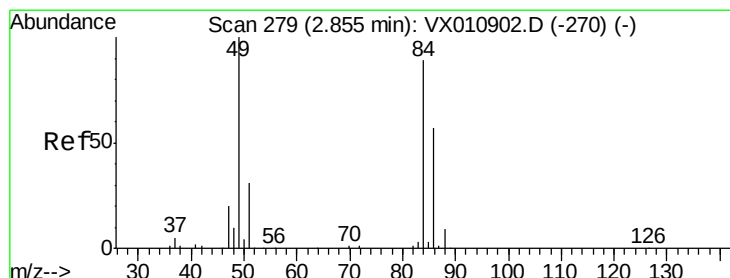
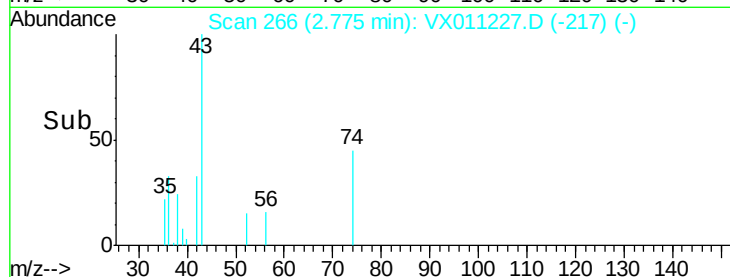
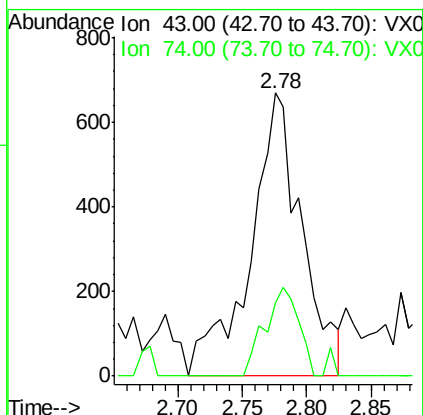
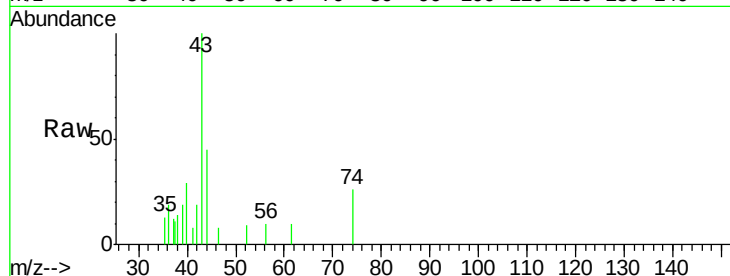




#18
Methyl Acetate
Concen: 0.762 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011227.D
Acq: 31 Jul 2019 04:35

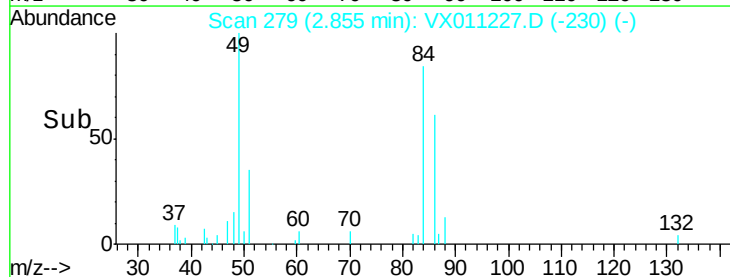
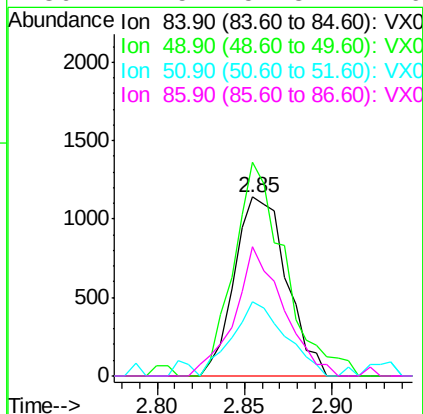
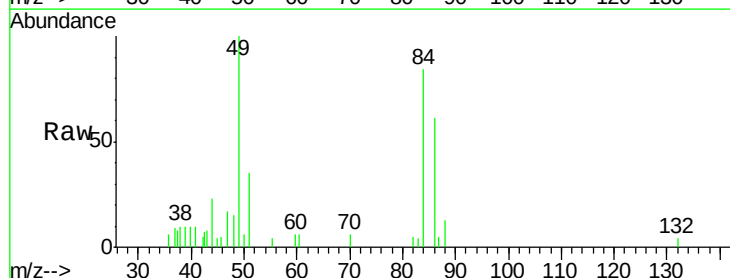
Instrument :
MSVOA_X
ClientSampleId :
PB121803ZHE#07

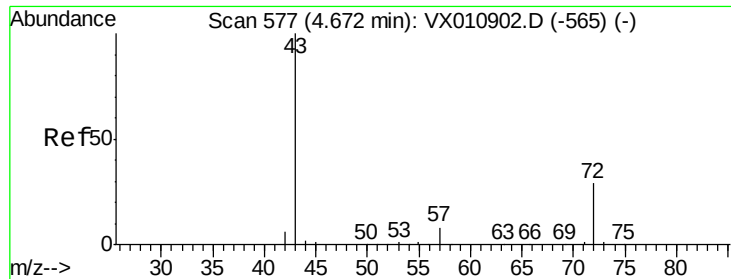
Tgt Ion: 43 Resp: 1847
Ion Ratio Lower Upper
43 100
74 20.8 21.5 32.3#



#20
Methylene Chloride
Concen: 1.048 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011227.D
Acq: 31 Jul 2019 04:35

Tgt Ion: 84 Resp: 2366
Ion Ratio Lower Upper
84 100
49 119.4 89.9 134.9
51 41.2 27.8 41.6
86 72.5 51.8 77.6





#25

2-Butanone

Concen: 0.606 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

Instrument :

MSVOA_X

ClientSampleId :

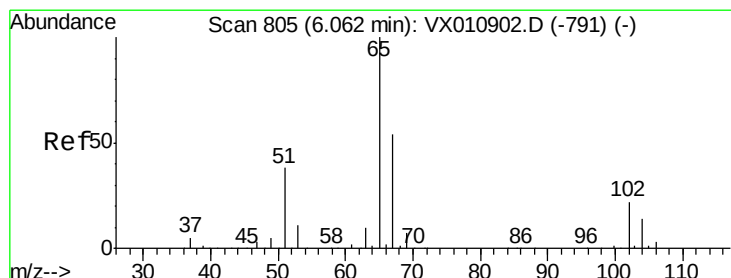
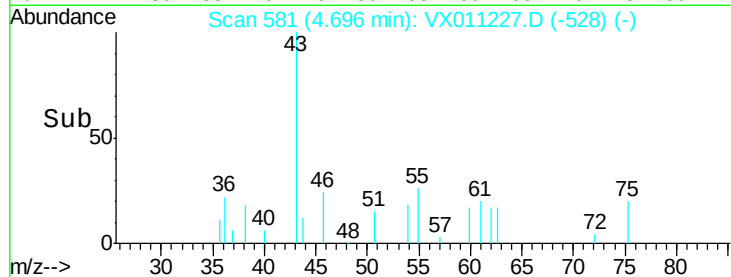
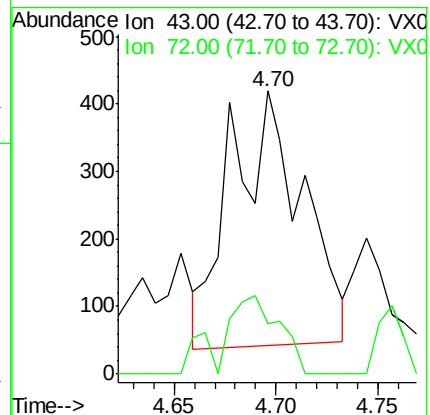
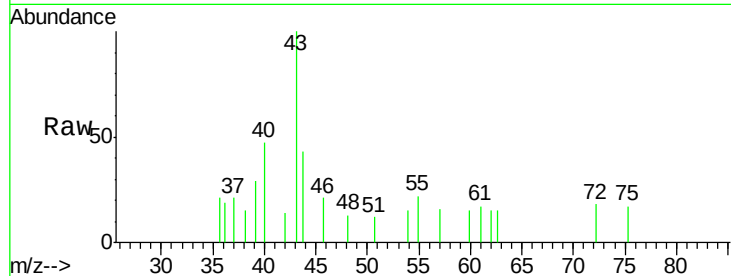
PB121803ZHE#07

Tgt Ion: 43 Resp: 926

Ion Ratio Lower Upper

43 100

72 23.9 23.0 34.6



#33

1,2-Dichloroethane-d4

Concen: 46.739 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011227.D

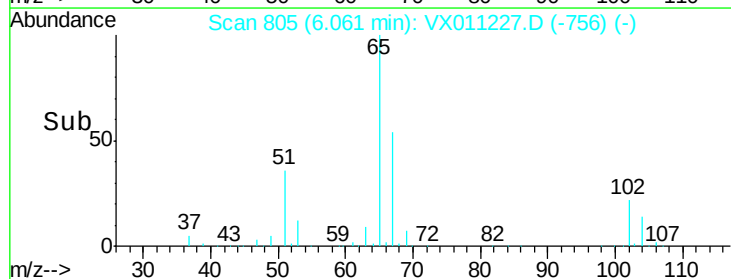
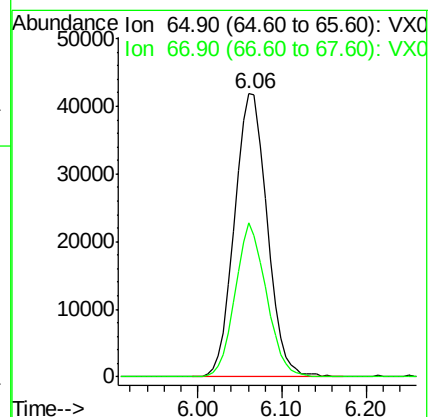
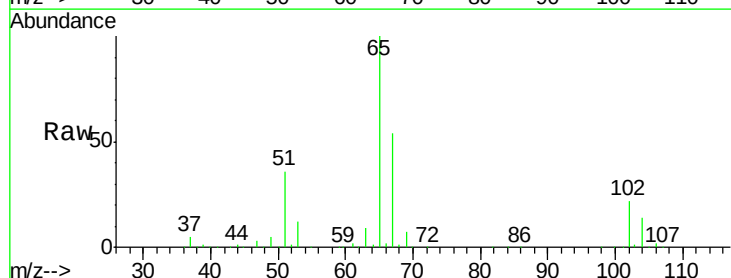
Acq: 31 Jul 2019 04:35

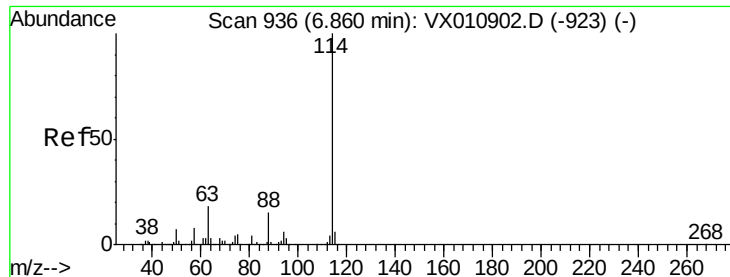
Tgt Ion: 65 Resp: 110205

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

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MSVOA_X

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PB121803ZHE#07

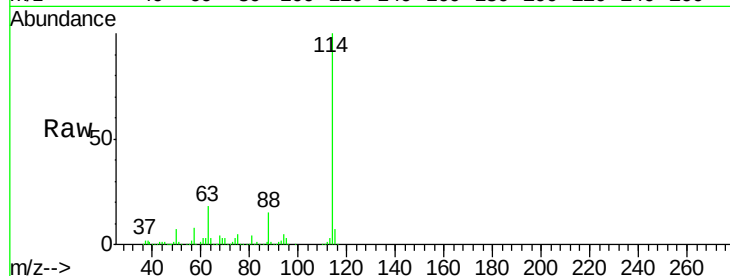
Tgt Ion:114 Resp: 325983

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

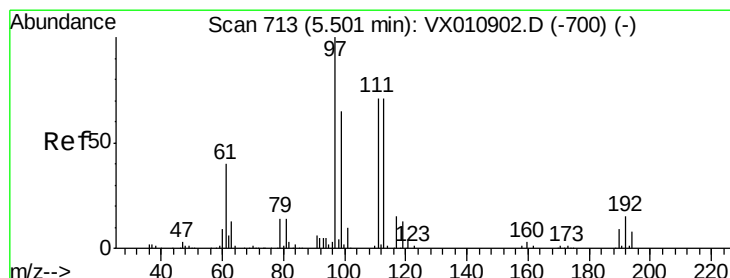
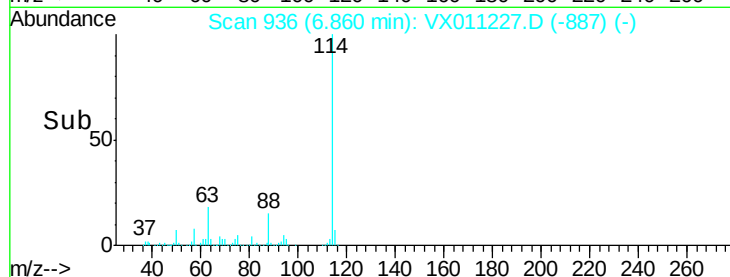
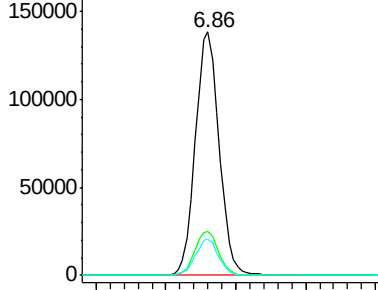
88 15.0 0.0 29.8



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: 45.990 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

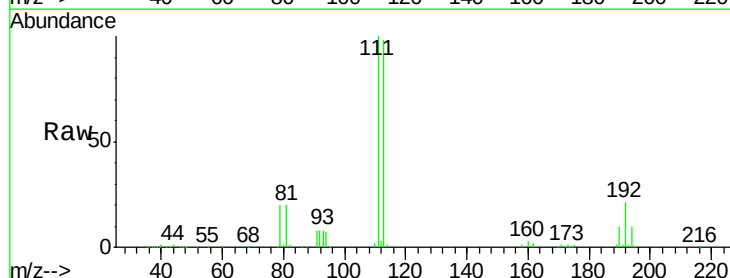
Tgt Ion:113 Resp: 95158

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

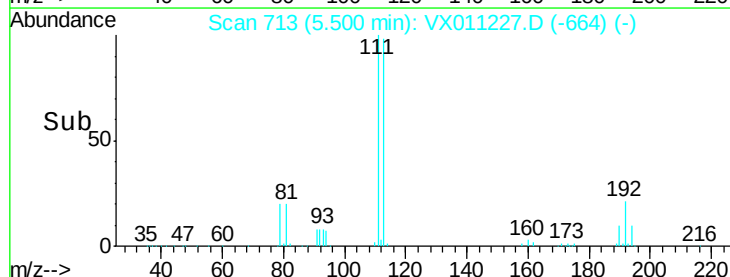
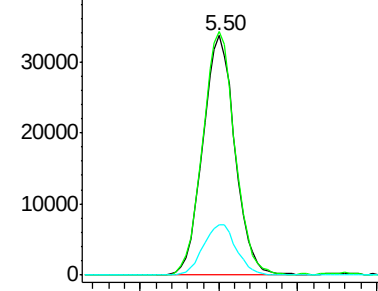
192 21.9 17.4 26.2

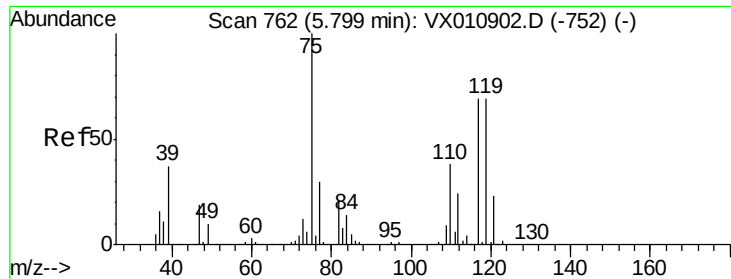


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

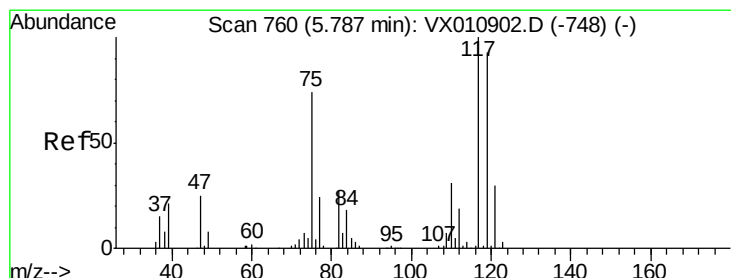
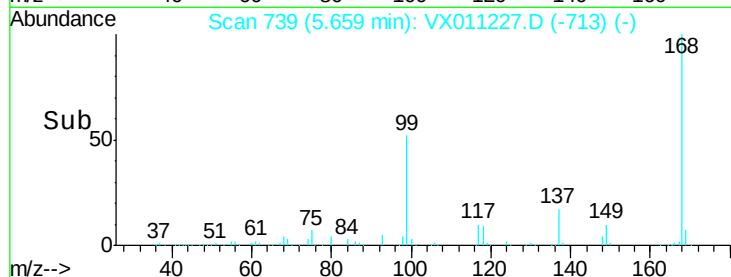
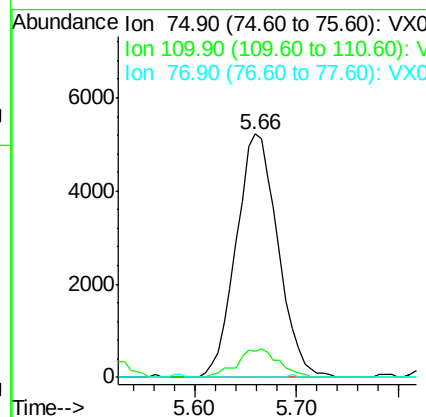
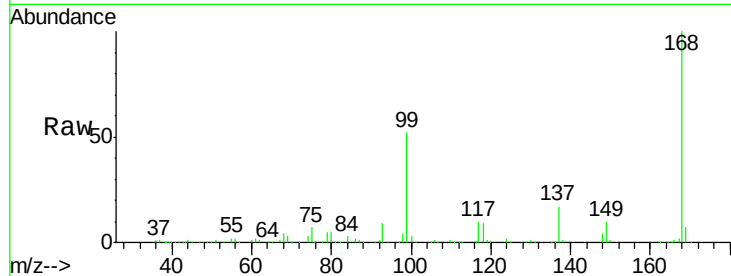




#36
 1,1-Dichloropropene
 Concen: 5.542 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX011227.D
 Acq: 31 Jul 2019 04:35

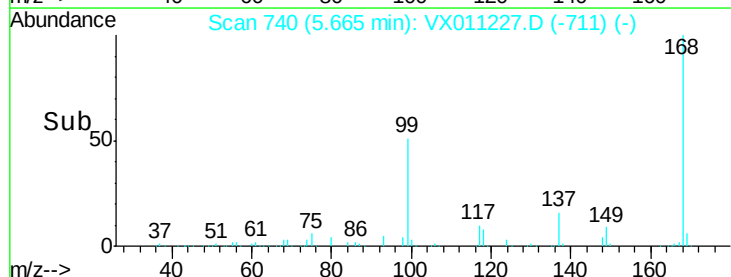
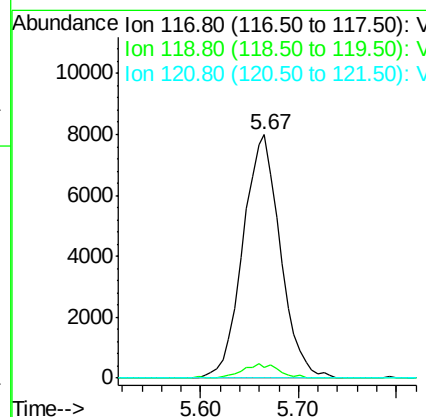
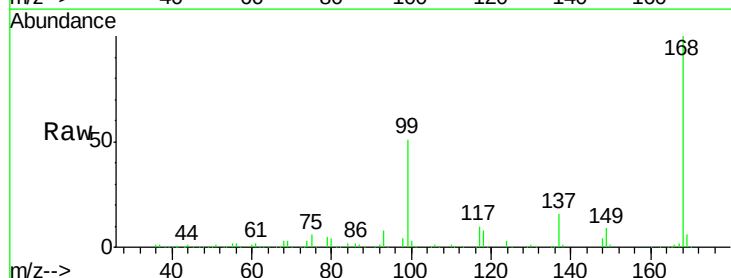
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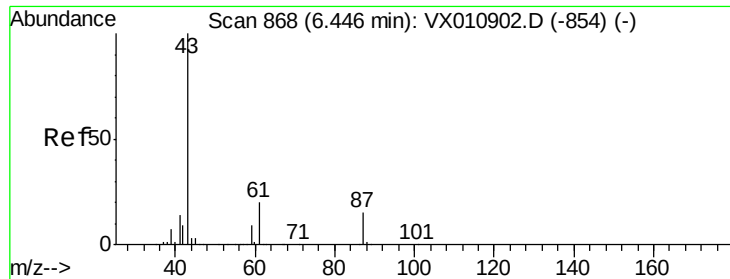
Tgt Ion: 75 Resp: 14840
 Ion Ratio Lower Upper
 75 100
 110 11.7 19.9 59.7#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.617 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX011227.D
 Acq: 31 Jul 2019 04:35

Tgt Ion: 117 Resp: 21252
 Ion Ratio Lower Upper
 117 100
 119 4.4 74.2 111.2#
 121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 2.527 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

Instrument :

MSVOA_X

ClientSampleId :

PB121803ZHE#07

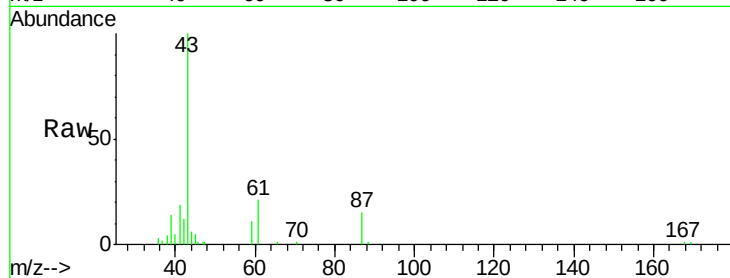
Tgt Ion: 43 Resp: 11395

Ion Ratio Lower Upper

43 100

61 20.0 17.1 25.7

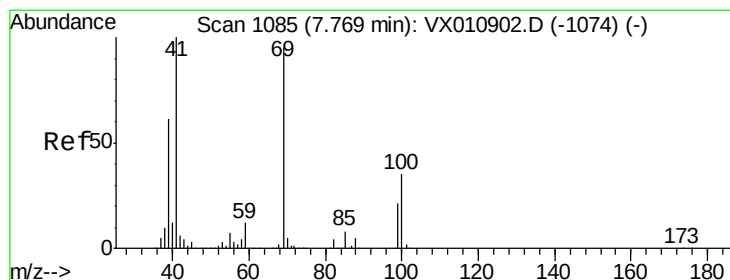
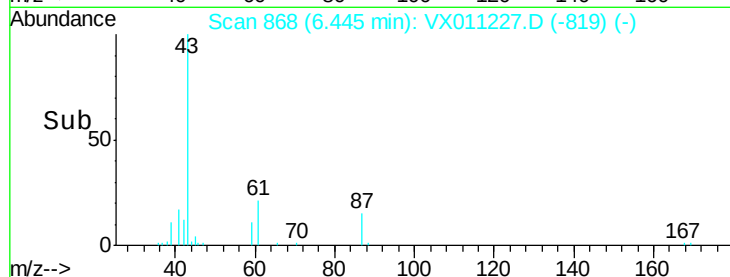
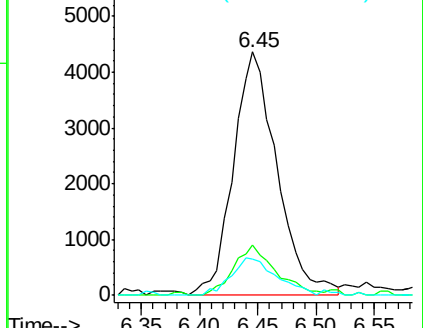
87 15.9 12.0 18.0



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: 2.327 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

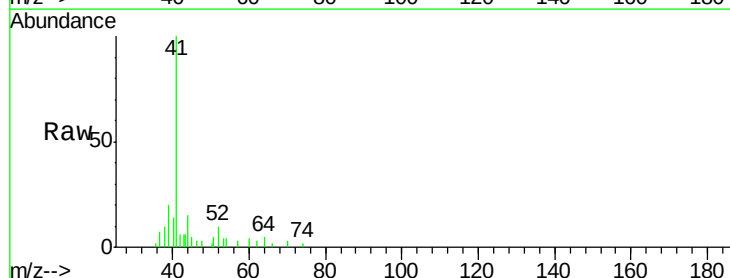
Tgt Ion: 41 Resp: 5110

Ion Ratio Lower Upper

41 100

69 0.0 74.4 111.6#

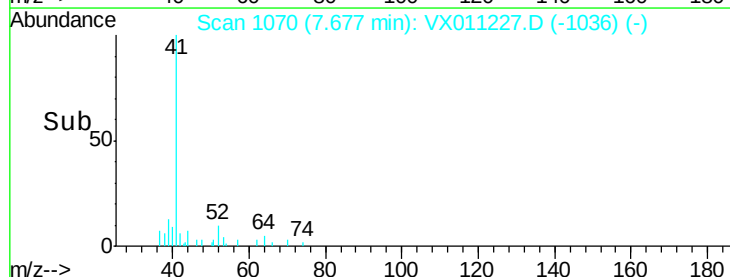
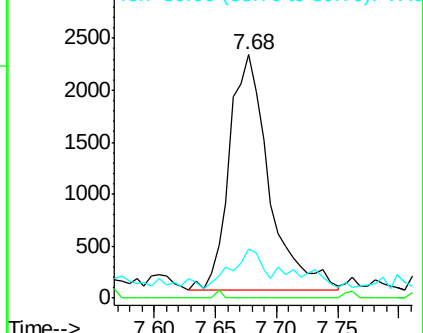
39 0.0 48.9 73.3#

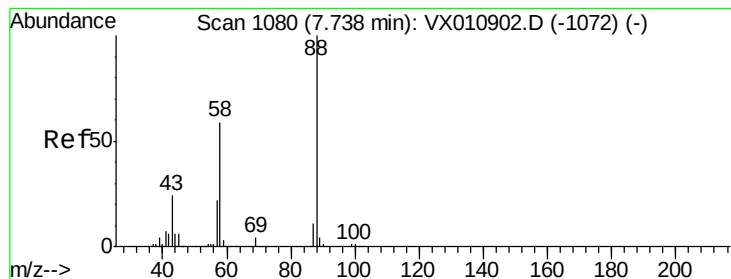


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.423 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

Instrument :

MSVOA_X

ClientSampleId :

PB121803ZHE#07

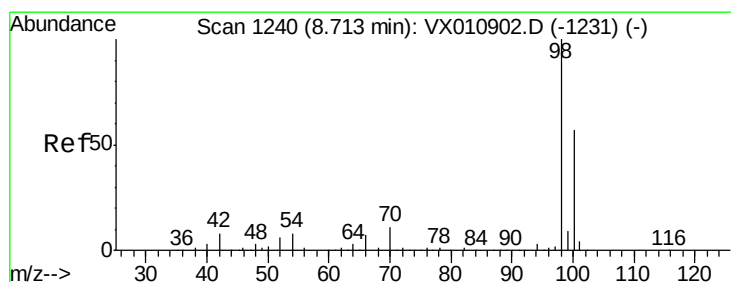
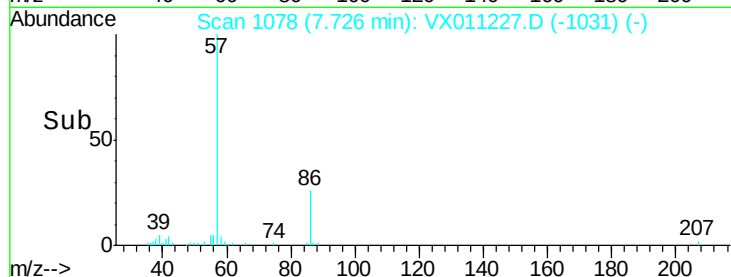
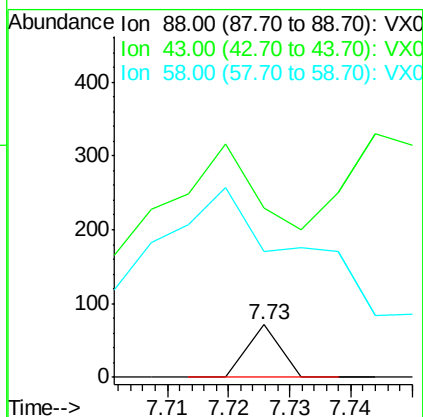
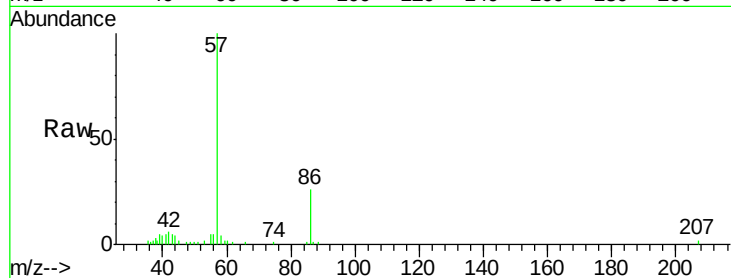
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

58 2284.6 49.8 74.8#



#50

Toluene-d8

Concen: 49.651 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011227.D

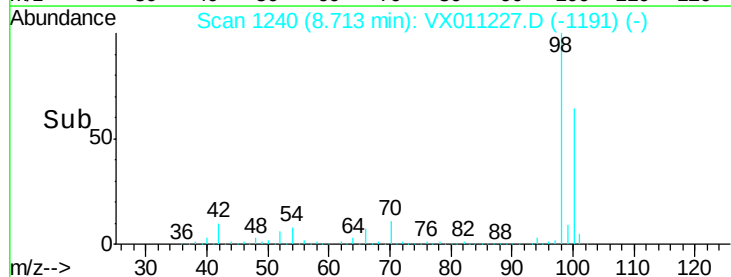
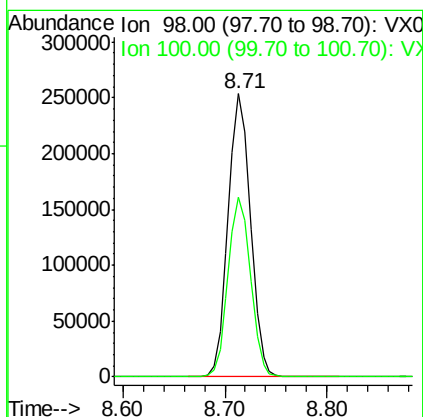
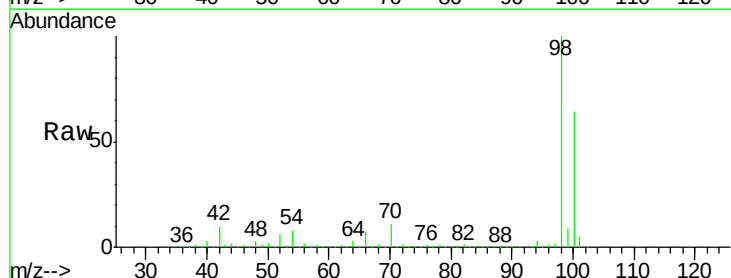
Acq: 31 Jul 2019 04:35

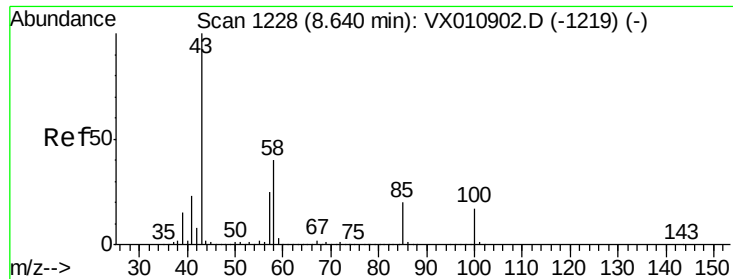
Tgt Ion: 98 Resp: 385312

Ion Ratio Lower Upper

98 100

100 63.9 50.6 75.8

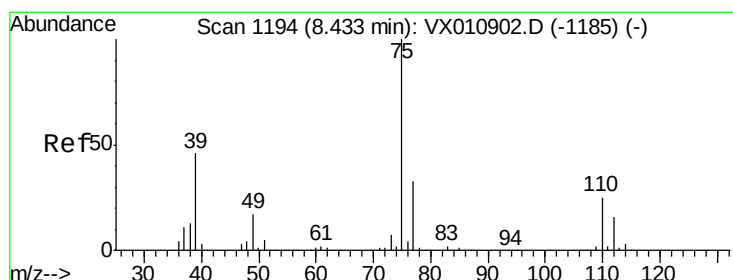
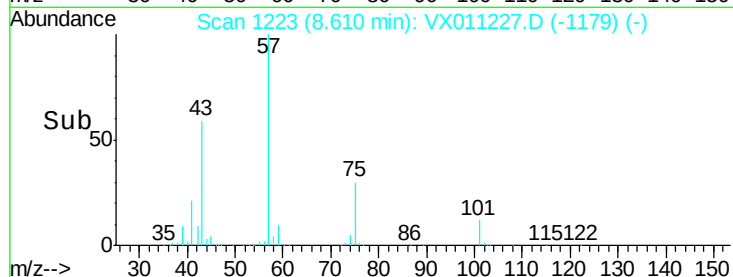
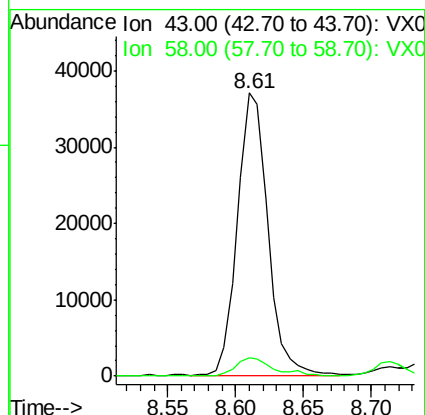
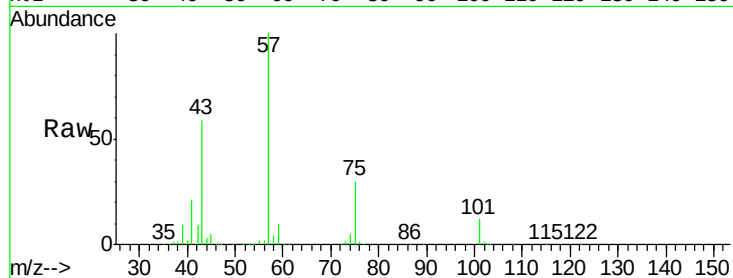




#51
 4-Methyl-2-Pentanone
 Concen: 19.668 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011227.D
 Acq: 31 Jul 2019 04:35

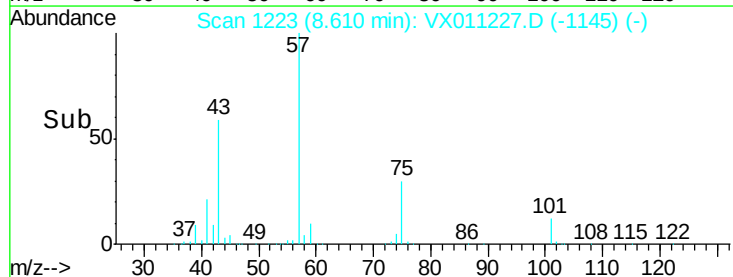
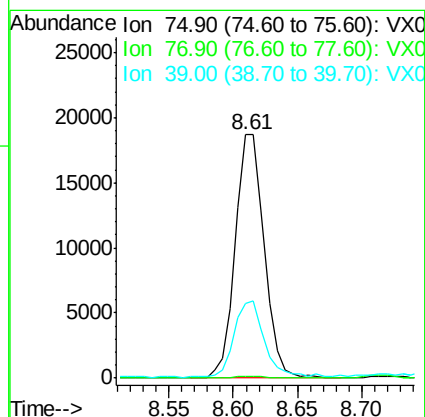
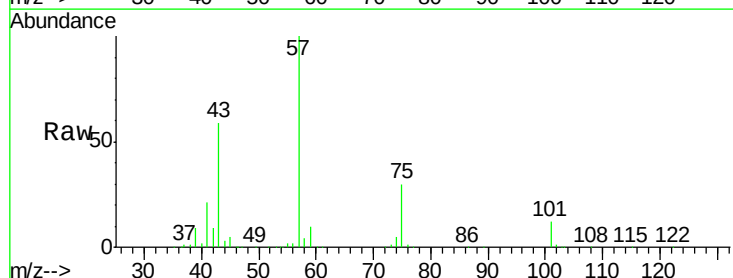
Instrument :
 MSVOA_X
 ClientSampleId :
 PB121803ZHE#07

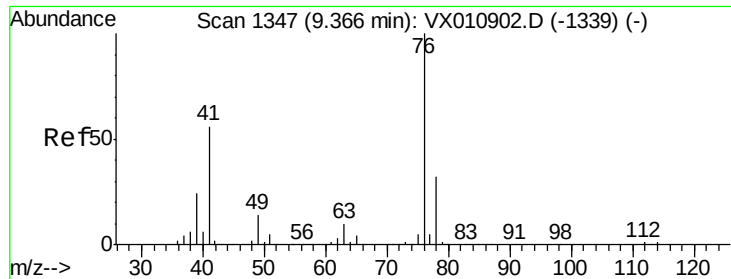
Tgt Ion: 43 Resp: 57479
 Ion Ratio Lower Upper
 43 100
 58 8.2 32.2 48.4#



#54
 cis-1,3-Dichloropropene
 Concen: 9.228 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011227.D
 Acq: 31 Jul 2019 04:35

Tgt Ion: 75 Resp: 29319
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 30.0 36.6 54.8#

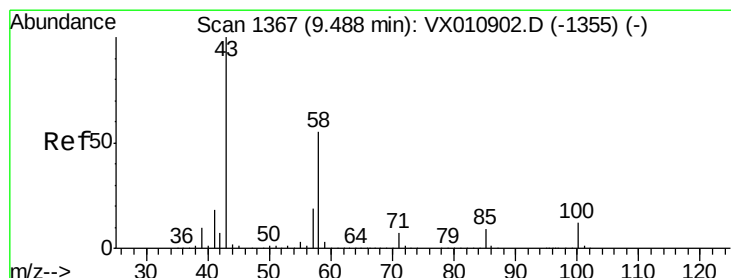
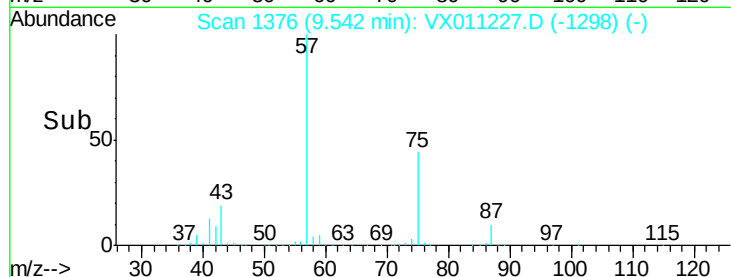
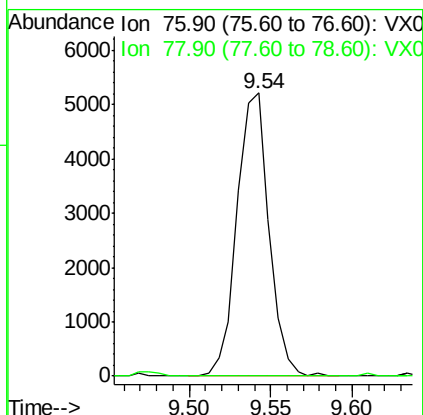
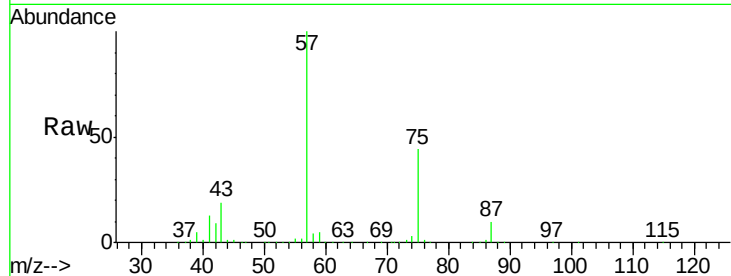




#57
 1,3-Dichloropropane
 Concen: 2.029 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.18 min
 Lab File: VX011227.D
 Acq: 31 Jul 2019 04:35

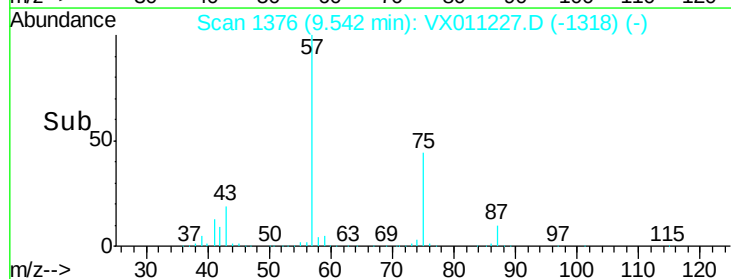
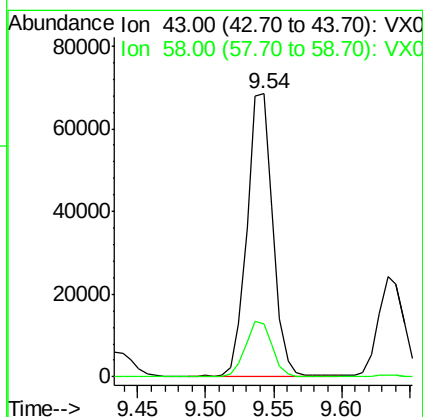
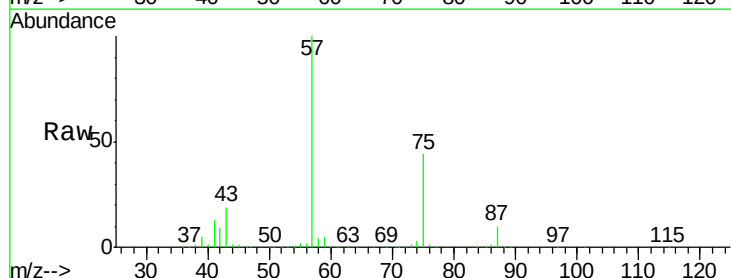
Instrument :
 MSVOA_X
 ClientSampleId :
 PB121803ZHE#07

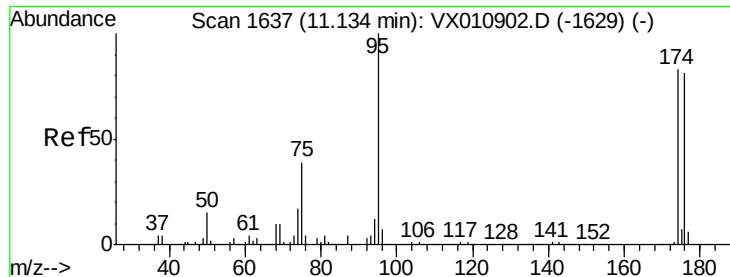
Tgt Ion: 76 Resp: 7140
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 40.122 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.05 min
 Lab File: VX011227.D
 Acq: 31 Jul 2019 04:35

Tgt Ion: 43 Resp: 90946
 Ion Ratio Lower Upper
 43 100
 58 20.1 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 44.319 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

Instrument :

MSVOA_X

ClientSampleId :

PB121803ZHE#07

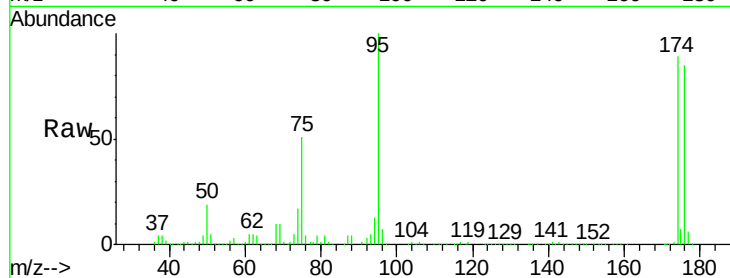
Tgt Ion: 95 Resp: 126420

Ion Ratio Lower Upper

95 100

174 92.3 0.0 180.6

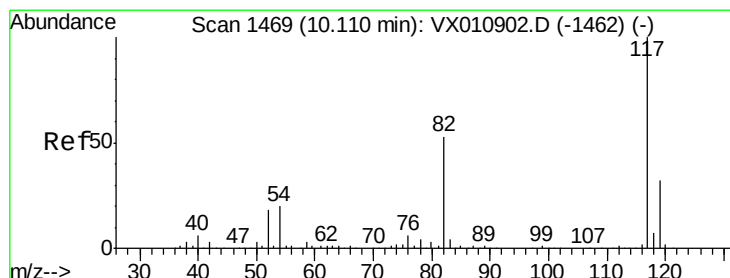
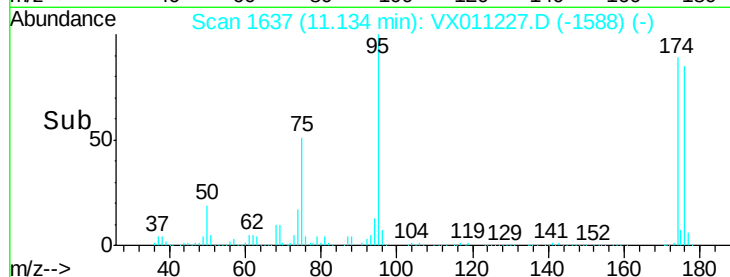
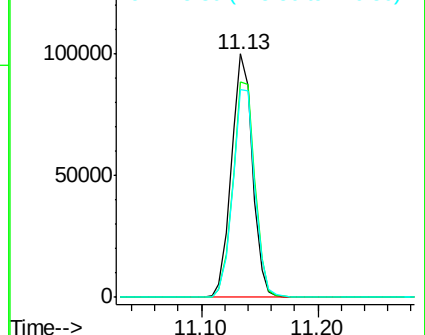
176 89.4 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011227.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011227.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011227.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

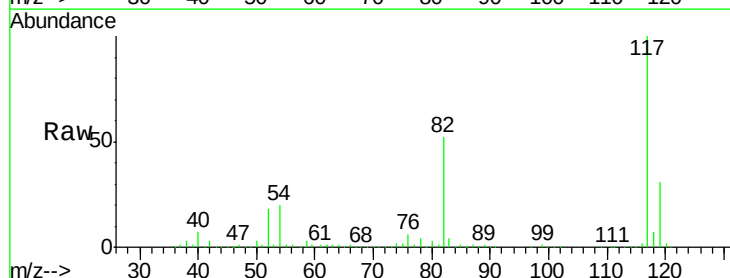
Tgt Ion: 117 Resp: 294735

Ion Ratio Lower Upper

117 100

82 52.3 42.6 63.8

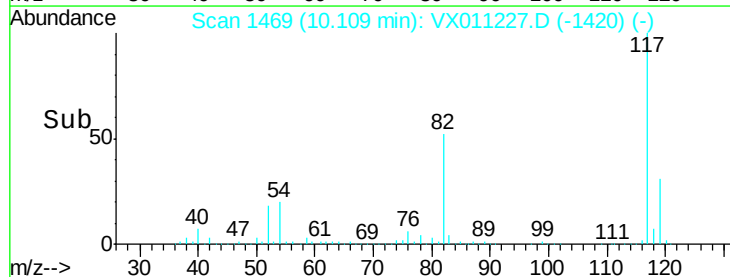
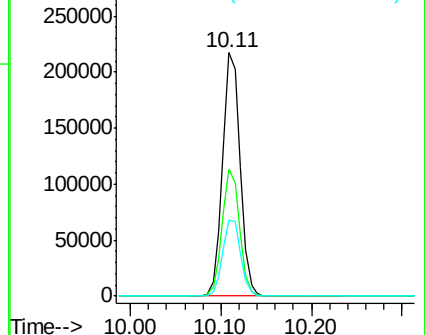
119 31.0 25.9 38.9

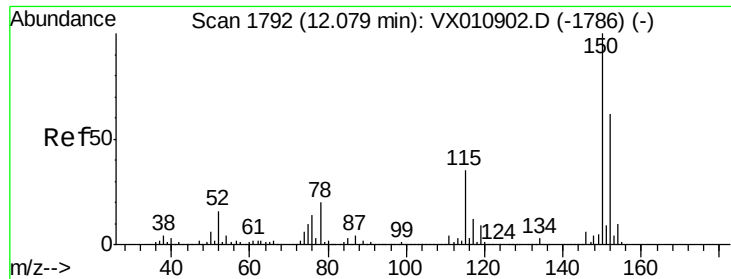


Abundance Ion 116.90 (116.60 to 117.60): VX011227.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011227.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011227.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

Instrument :

MSVOA_X

ClientSampleId :

PB121803ZHE#07

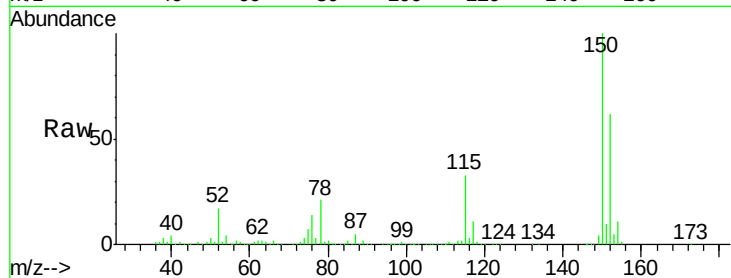
Tgt Ion:152 Resp: 133410

Ion Ratio Lower Upper

152 100

115 55.8 39.7 119.1

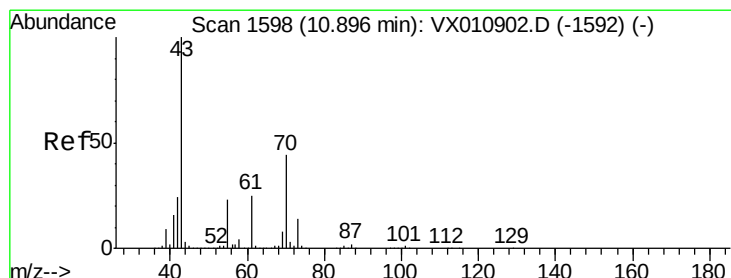
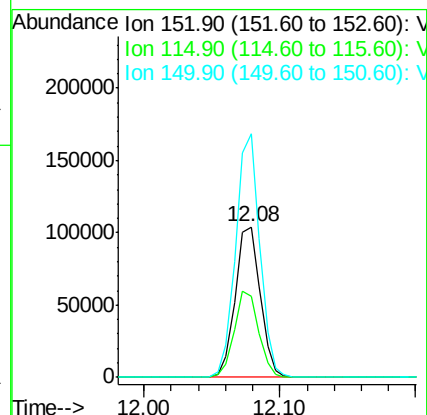
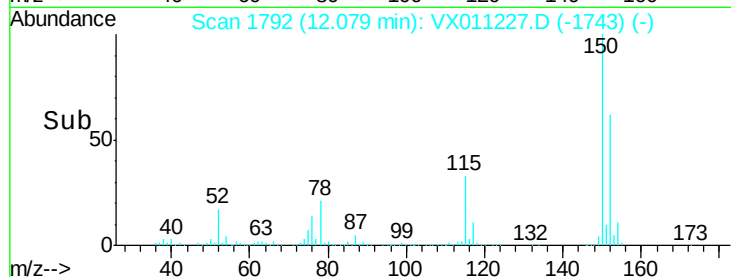
150 155.7 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.702 ug/l

RT: 10.69 min Scan# 1564

Delta R.T. -0.21 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

Tgt Ion: 43 Resp: 9308

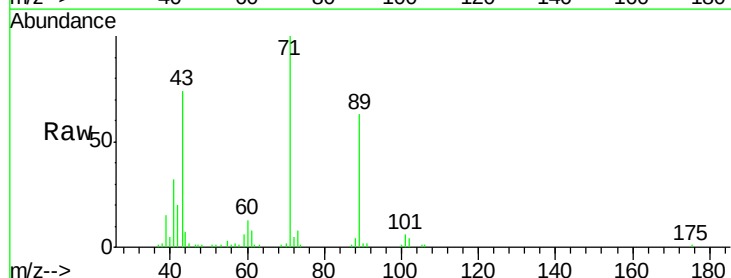
Ion Ratio Lower Upper

43 100

70 3.2 34.7 52.1#

55 7.3 19.1 28.7#

61 12.9 19.9 29.9#

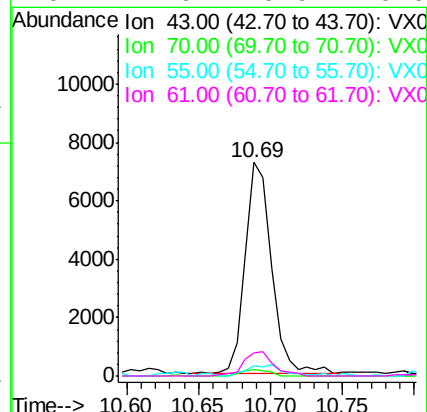
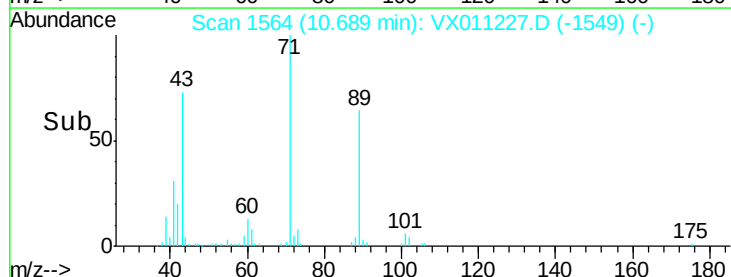


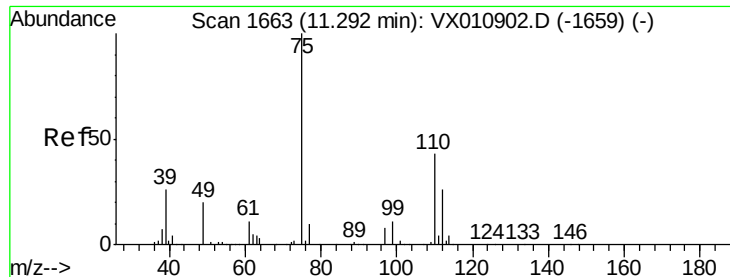
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 26.688 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

Instrument :

MSVOA_X

ClientSampleId :

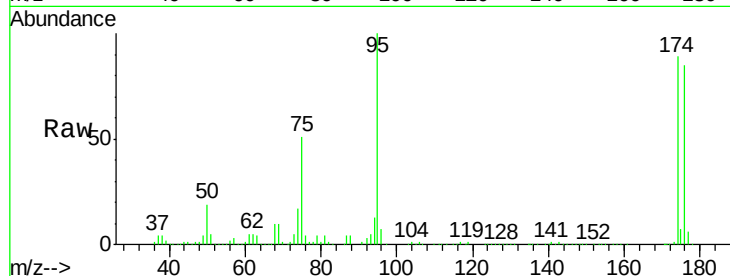
PB121803ZHE#07

Tgt Ion: 75 Resp: 64250

Ion Ratio Lower Upper

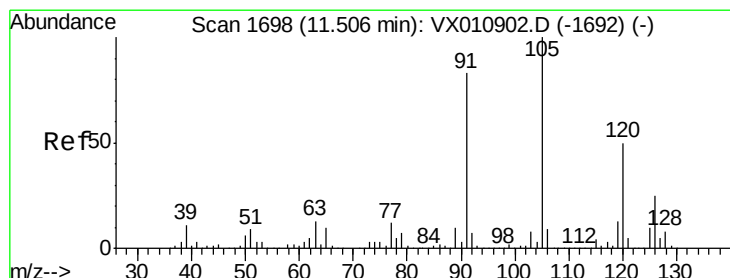
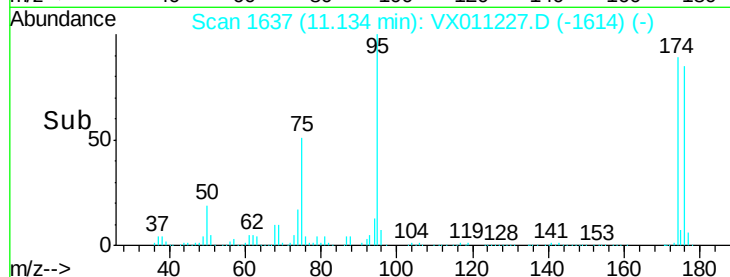
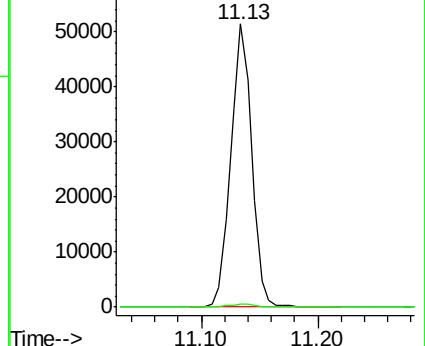
75 100

77 1.2 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.747 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011227.D

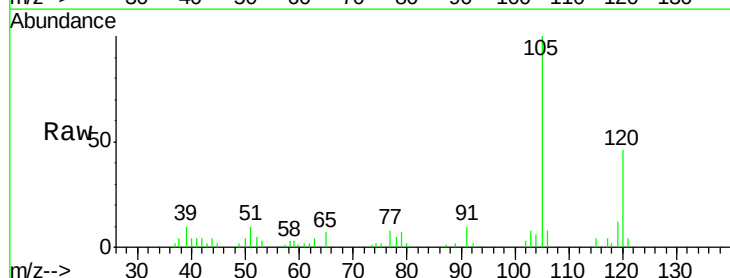
Acq: 31 Jul 2019 04:35

Tgt Ion: 105 Resp: 5625

Ion Ratio Lower Upper

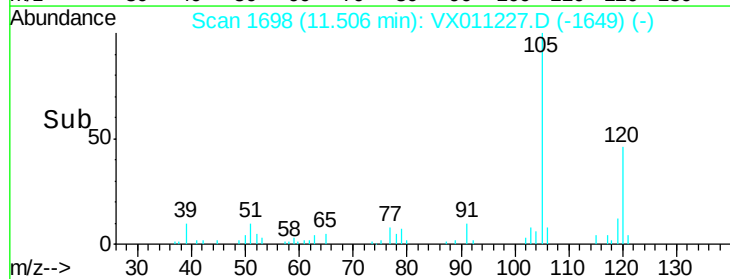
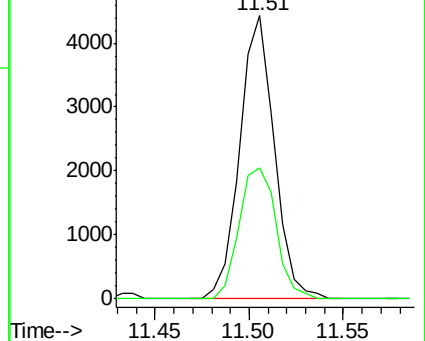
105 100

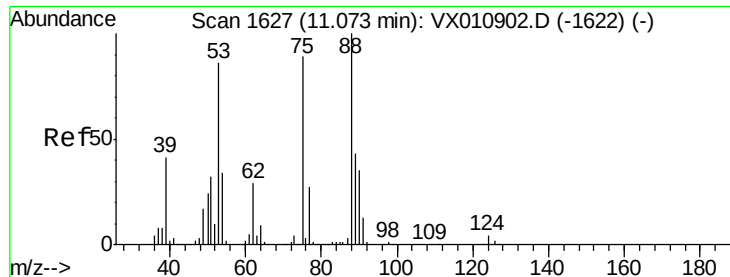
120 49.6 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 66.213 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

Instrument :

MSVOA_X

ClientSampleId :

PB121803ZHE#07

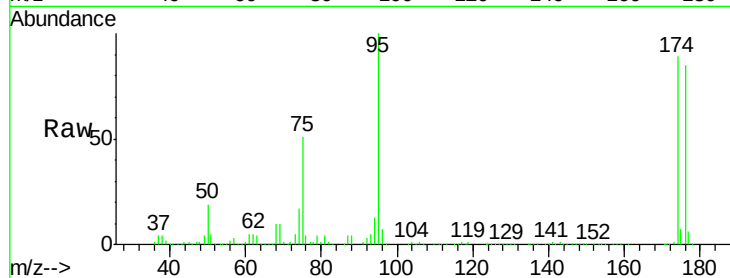
Tgt Ion: 75 Resp: 64250

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

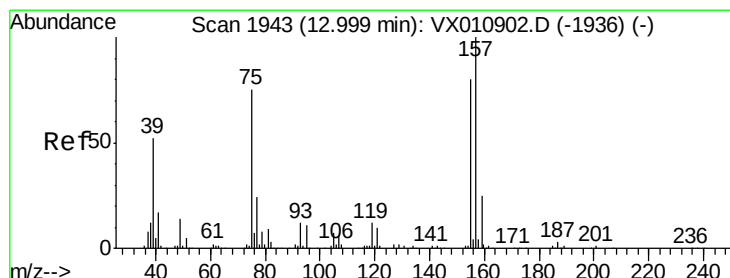
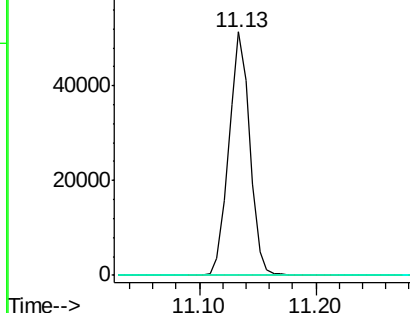
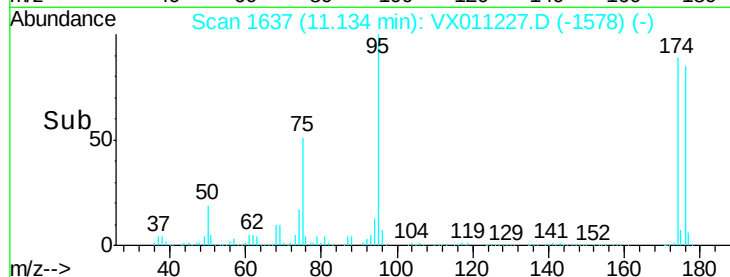
89 0.1 38.5 57.7#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.219 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX011227.D

Acq: 31 Jul 2019 04:35

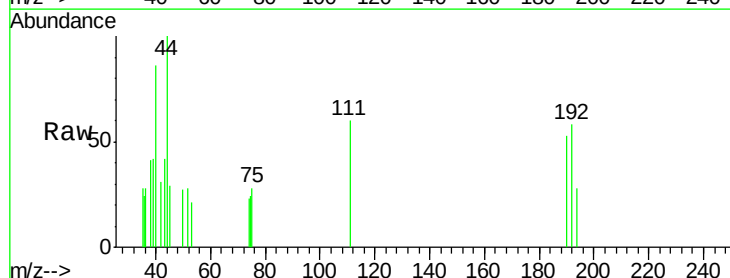
Tgt Ion: 75 Resp: 135

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

157 0.0 62.5 187.6#



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

