

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080719\
 Data File : VX011358.D
 Acq On : 07 Aug 2019 13:08
 Operator : JC/SP
 Sample : PB122030TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB122030TB

Quant Time: Aug 08 07:02:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

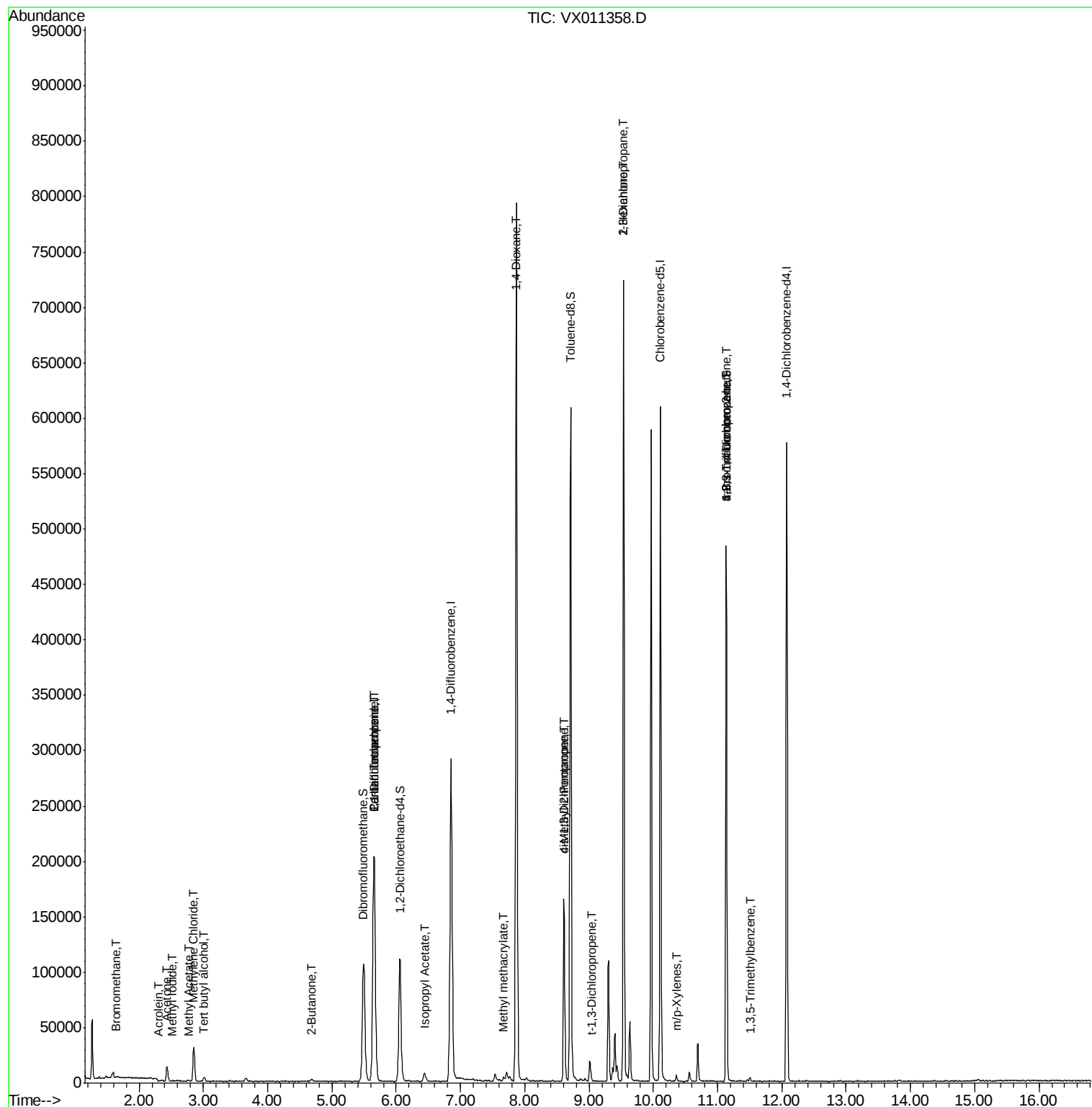
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	204444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	298460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	105350	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
35) Dibromofluoromethane	5.49	113	90609	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	8.71	98	355149	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.13	95	116602	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	481	0.346	ug/l	83
6) Chloroethane	1.70	64	747	Below Cal		96
10) Methyl Iodide	2.51	142	585	0.247	ug/l #	94
11) Tert butyl alcohol	3.01	59	2151	5.262	ug/l #	72
13) Acrolein	2.30	56	166	0.229	ug/l #	51
16) Acetone	2.43	43	14529	14.826	ug/l	95
18) Methyl Acetate	2.78	43	1023	0.457	ug/l #	85
20) Methylene Chloride	2.85	84	14772	6.883	ug/l	97
25) 2-Butanone	4.68	43	1615	1.159	ug/l #	70
36) 1,1-Dichloropropene	5.66	75	13763	5.282	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19482	7.431	ug/l #	15
43) Isopropyl Acetate	6.44	43	10307	2.466	ug/l	98
48) Methyl methacrylate	7.67	41	4475	2.275	ug/l #	10
49) 1,4-Dioxane	7.88	88	119	2.087	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	51733	19.182	ug/l #	49
53) t-1,3-Dichloropropene	9.05	75	116	2.876	ug/l #	43
54) cis-1,3-Dichloropropene	8.61	75	26678	9.175	ug/l #	66
57) 1,3-Dichloropropane	9.54	76	6418	1.920	ug/l #	42
59) 2-Hexanone	9.54	43	80823	38.691	ug/l #	50
68) m/p-Xylenes	10.36	106	1312	0.348	ug/l	86
76) 1,2,3-Trichloropropane	11.13	75	59315	26.428	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	1435	0.203	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	59315	68.707	ug/l #	10

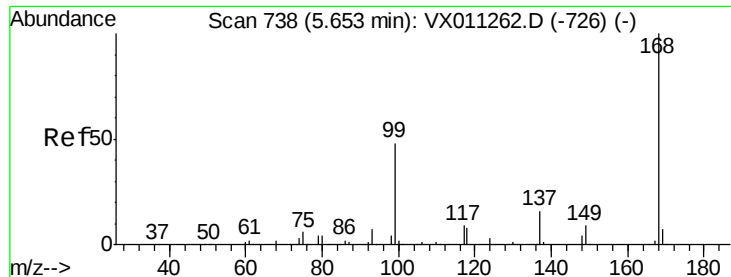
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX080719\
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Instrument :
MSVOA_X
ClientSampleId :
PB122030TB

Quant Time: Aug 08 07:02:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

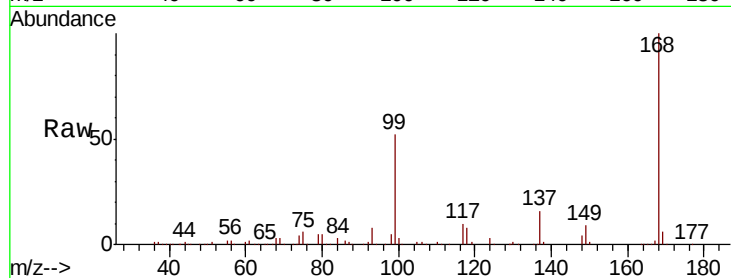
PB122030TB

Tgt Ion:168 Resp: 204444

Ion Ratio Lower Upper

168 100

99 52.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

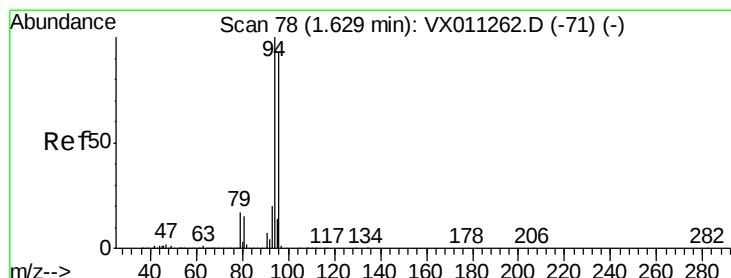
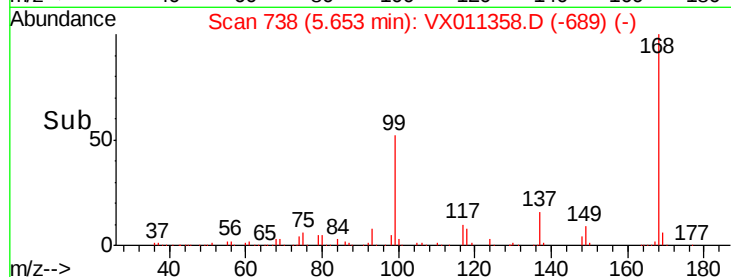
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.346 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011358.D

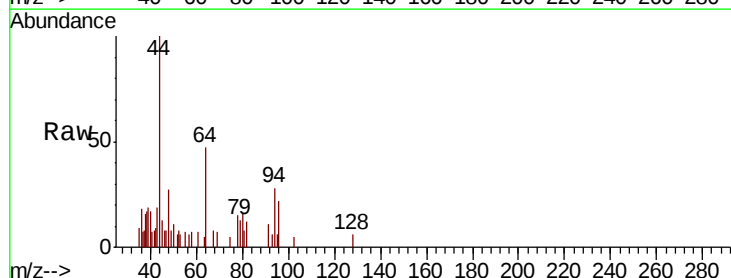
Acq: 07 Aug 2019 13:08

Tgt Ion: 94 Resp: 481

Ion Ratio Lower Upper

94 100

96 76.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

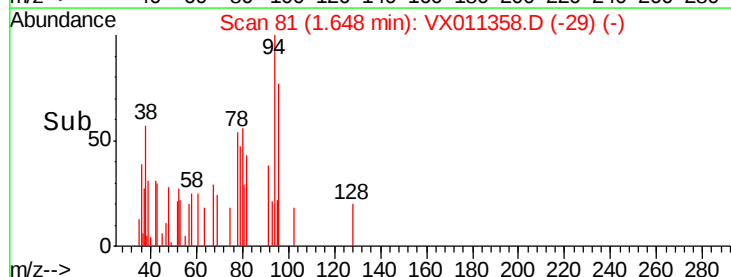
300

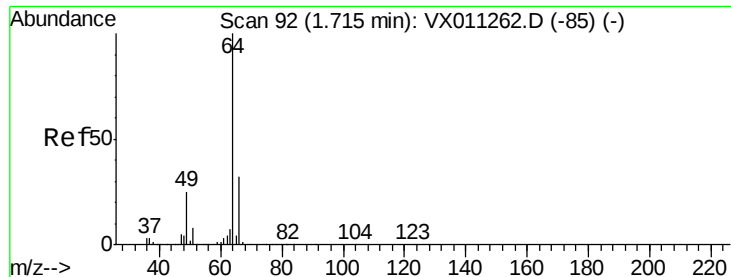
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

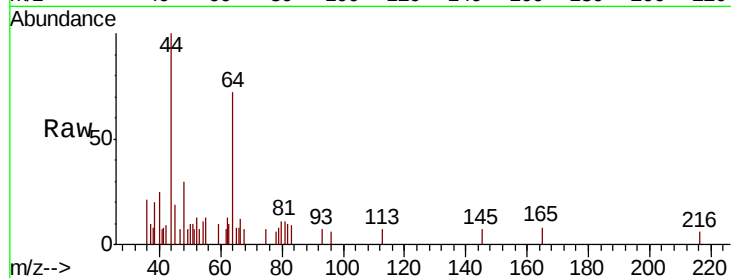
PB122030TB

Tgt Ion: 64 Resp: 747

Ion Ratio Lower Upper

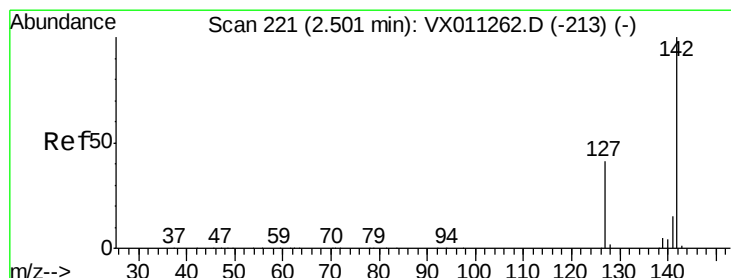
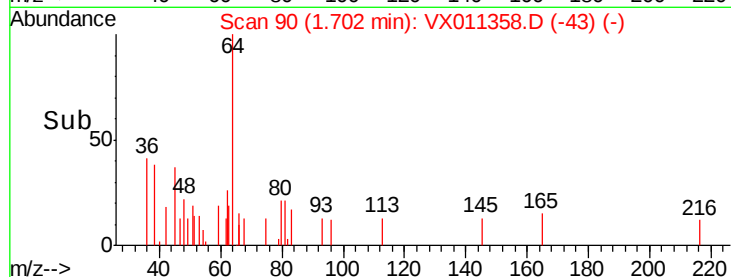
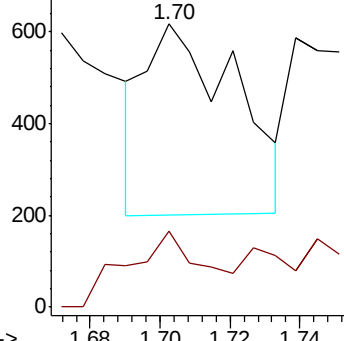
64 100

66 29.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.247 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.01 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

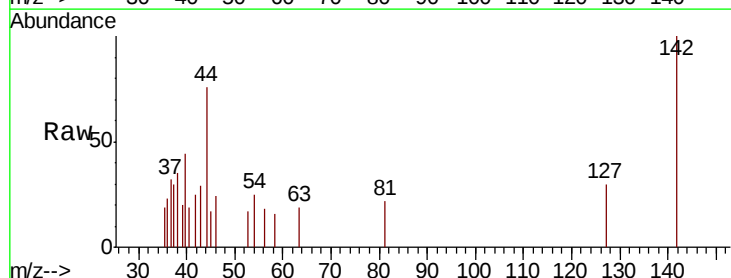
Tgt Ion: 142 Resp: 585

Ion Ratio Lower Upper

142 100

127 39.3 33.8 50.8

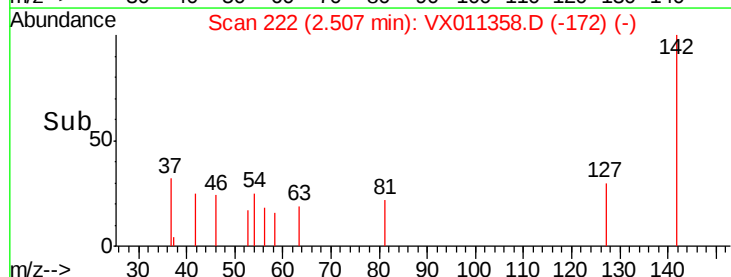
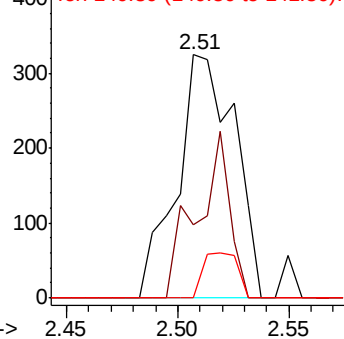
141 10.9 11.4 17.2#

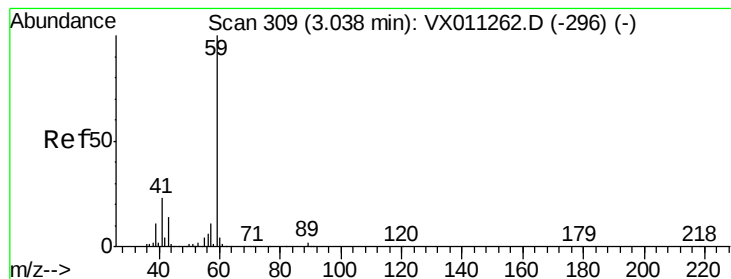


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 5.262 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

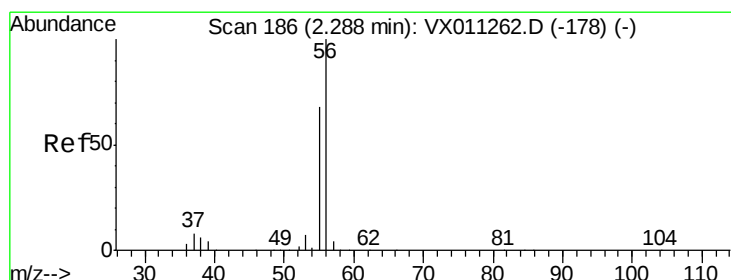
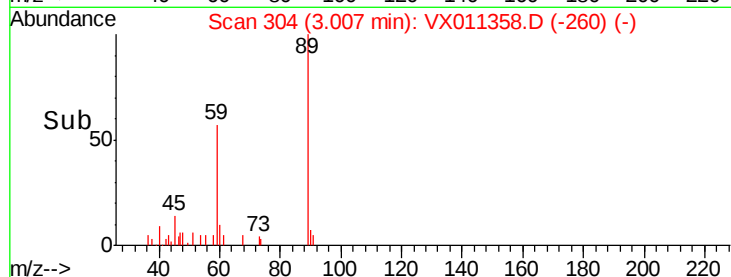
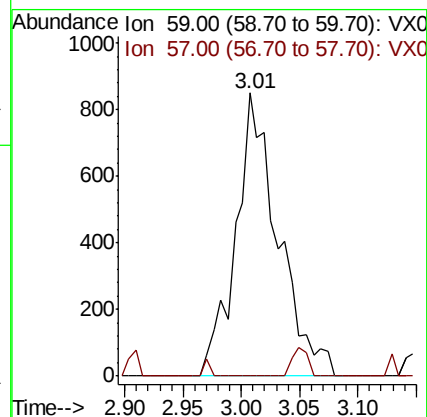
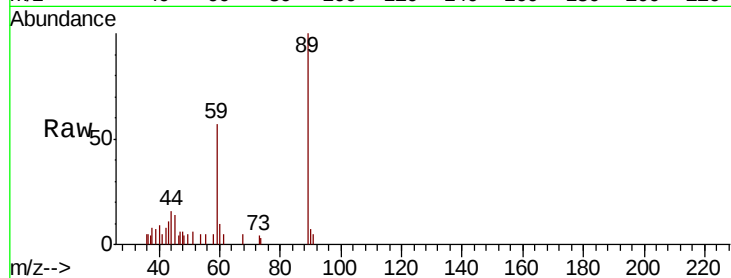
PB122030TB

Tgt Ion: 59 Resp: 2151

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.229 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX011358.D

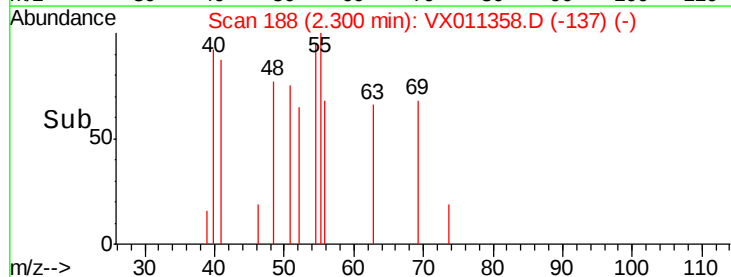
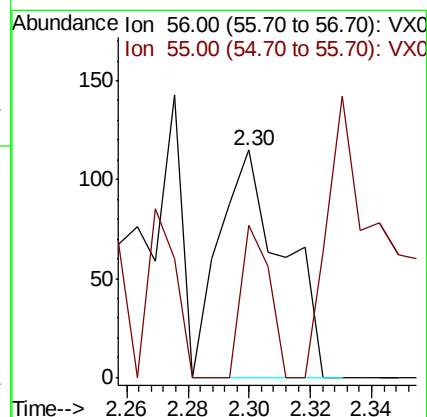
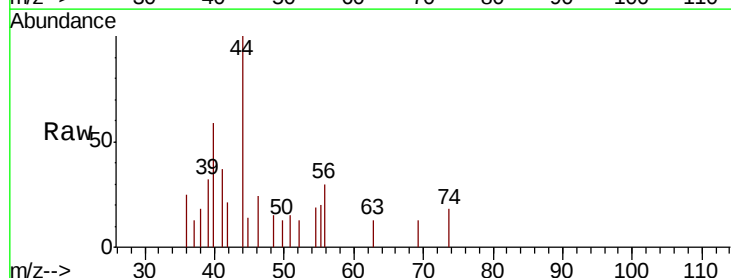
Acq: 07 Aug 2019 13:08

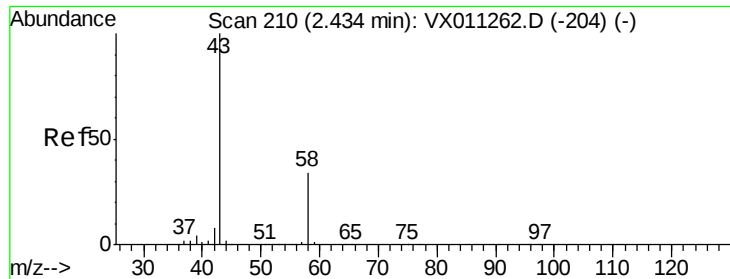
Tgt Ion: 56 Resp: 166

Ion Ratio Lower Upper

56 100

55 29.5 56.0 84.0#





#16

Acetone

Concen: 14.826 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

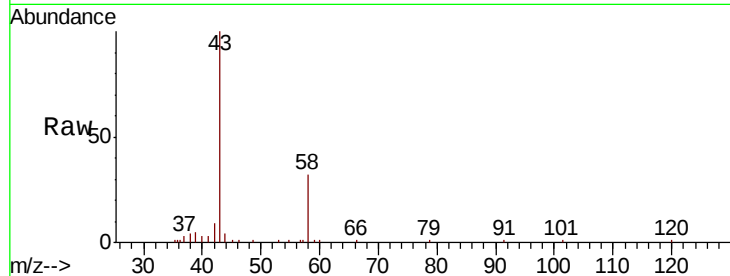
PB122030TB

Tgt Ion: 43 Resp: 14529

Ion Ratio Lower Upper

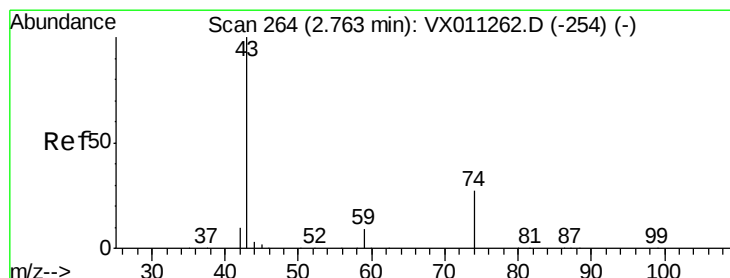
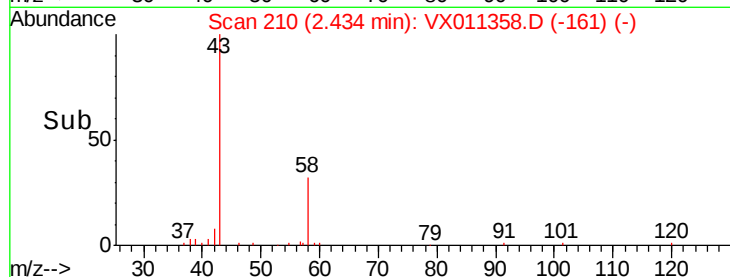
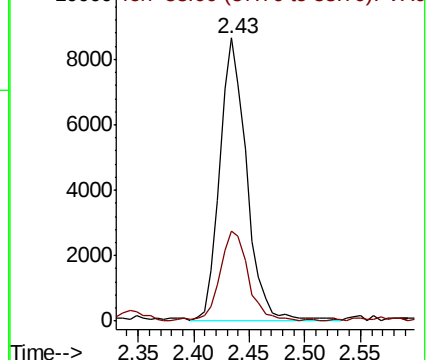
43 100

58 31.1 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.457 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX011358.D

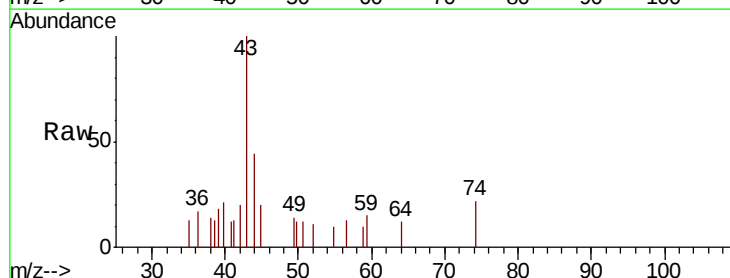
Acq: 07 Aug 2019 13:08

Tgt Ion: 43 Resp: 1023

Ion Ratio Lower Upper

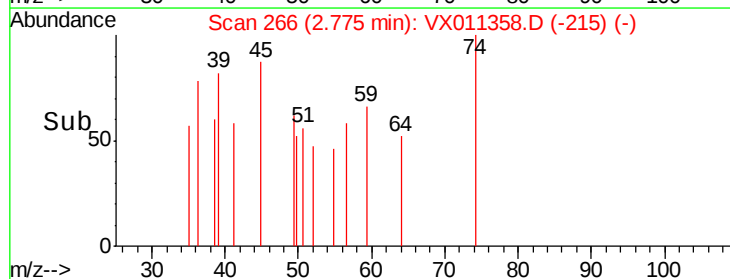
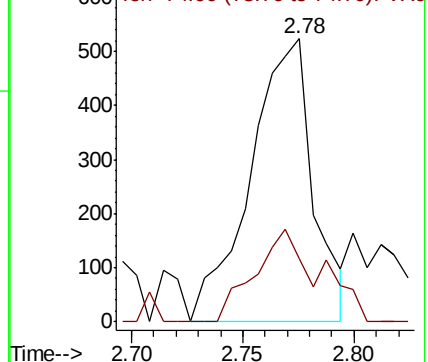
43 100

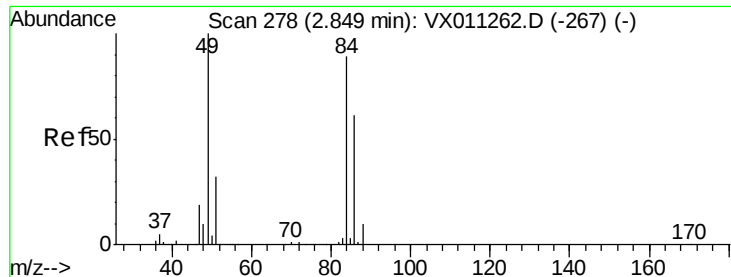
74 34.1 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

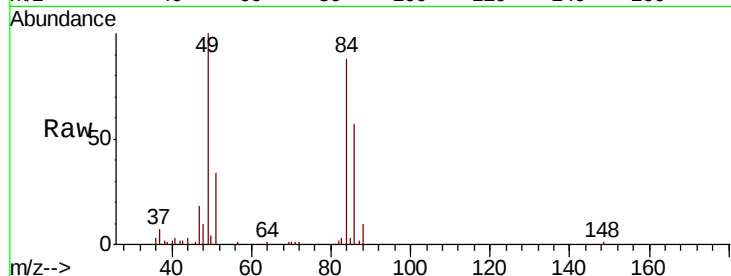




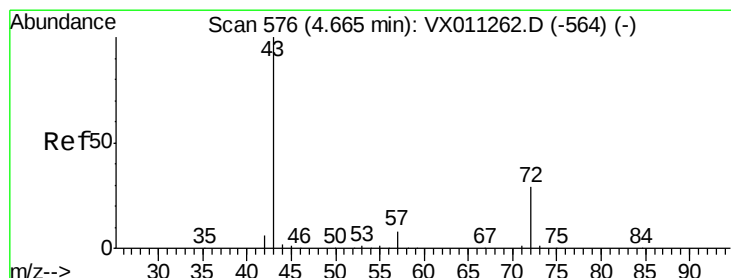
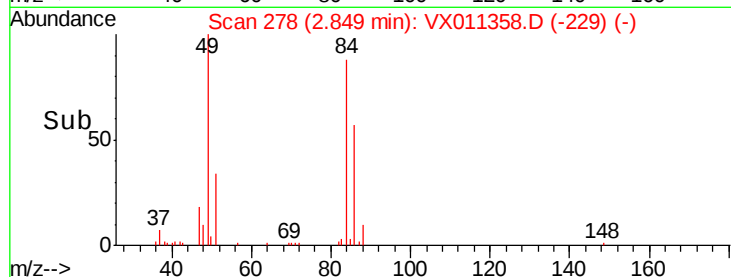
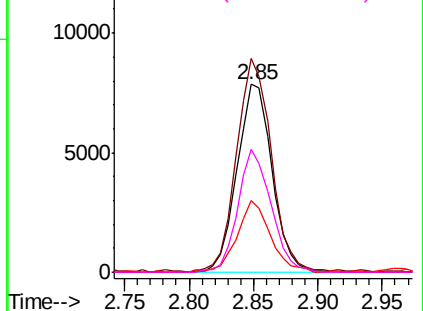
#20
Methylene Chloride
Concen: 6.883 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011358.D
Acq: 07 Aug 2019 13:08

Instrument :
MSVOA_X
ClientSampled :
PB122030TB

Tgt Ion:	84	Resp:	14772
Ion	Ratio	Lower	Upper
84	100		
49	113.8	89.3	133.9
51	38.3	28.3	42.5
86	65.4	54.5	81.7

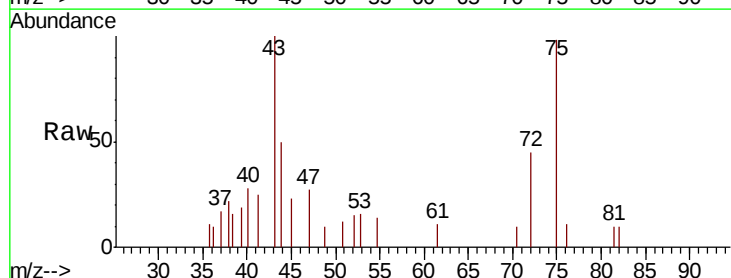


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

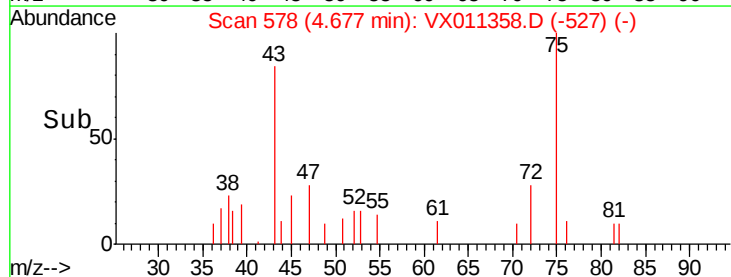
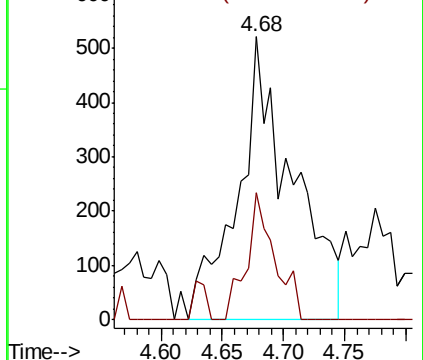


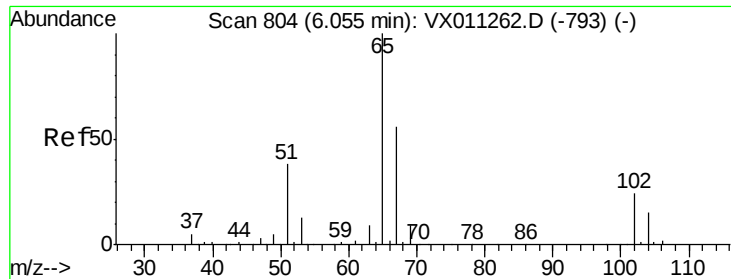
#25
2-Butanone
Concen: 1.159 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX011358.D
Acq: 07 Aug 2019 13:08

Tgt Ion:	43	Resp:	1615
Ion	Ratio	Lower	Upper
43	100		
72	44.9	23.2	34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.169 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

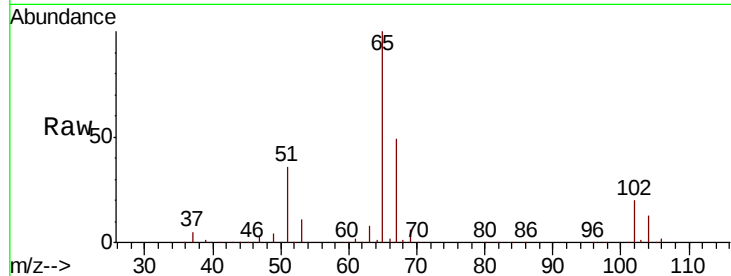
PB122030TB

Tgt Ion: 65 Resp: 105350

Ion Ratio Lower Upper

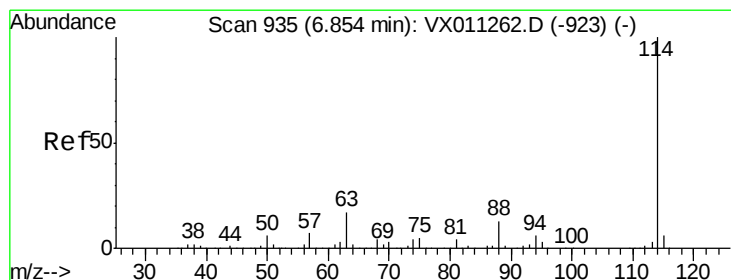
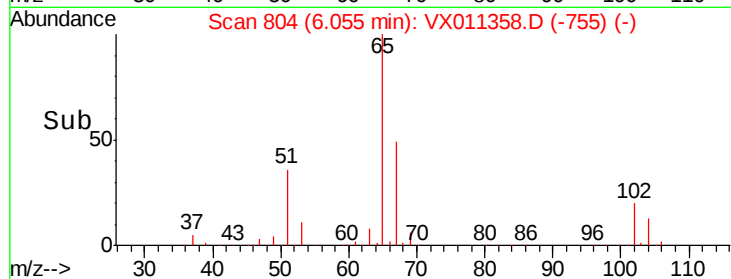
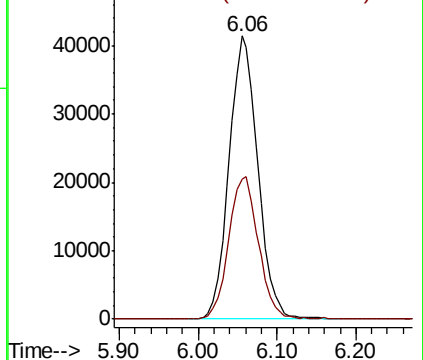
65 100

67 51.7 0.0 110.6



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: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

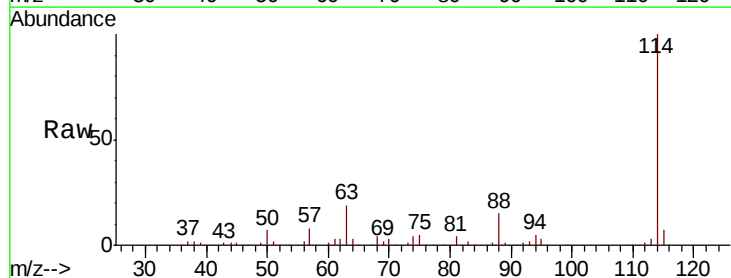
Tgt Ion: 114 Resp: 298460

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.0

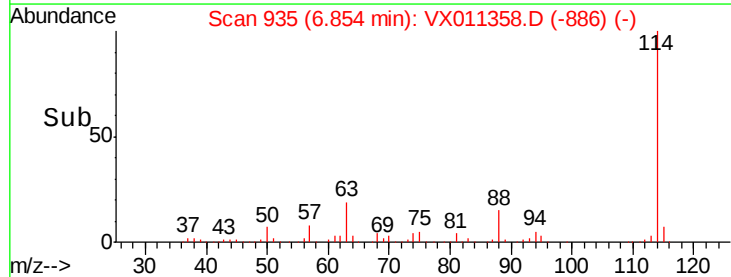
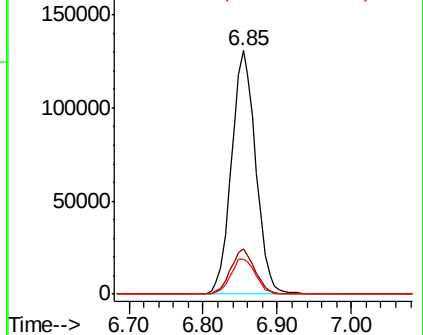
88 14.5 0.0 26.4

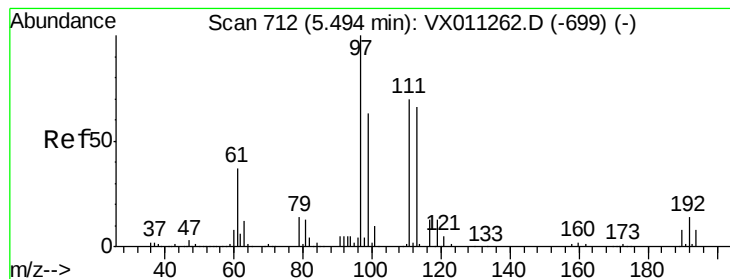


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.500 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

PB122030TB

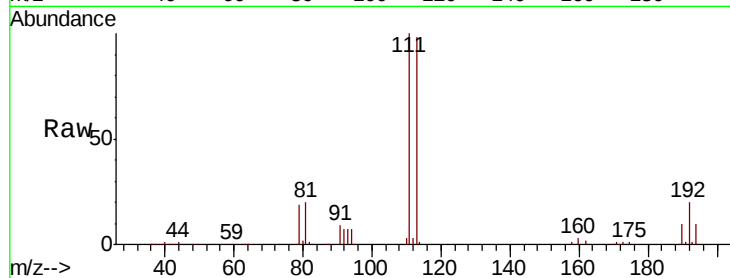
Tgt Ion:113 Resp: 90609

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

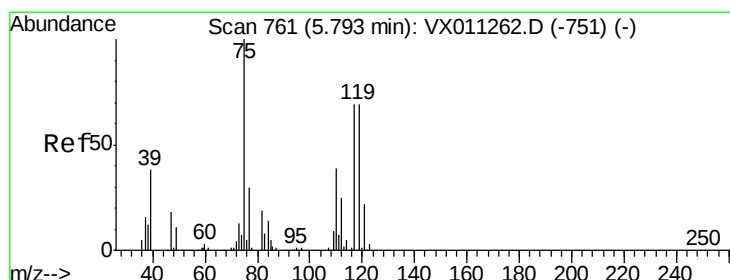
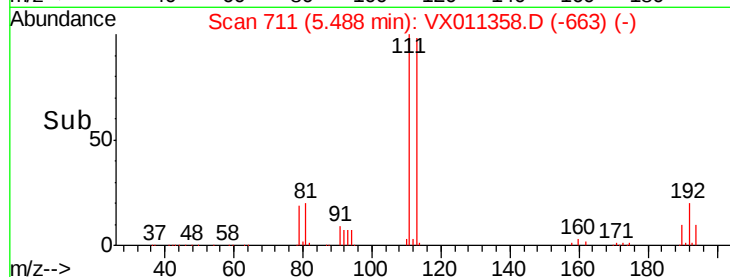
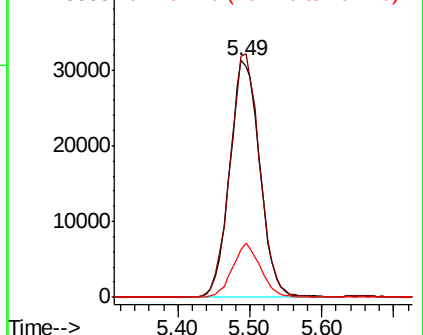
192 21.2 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.282 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

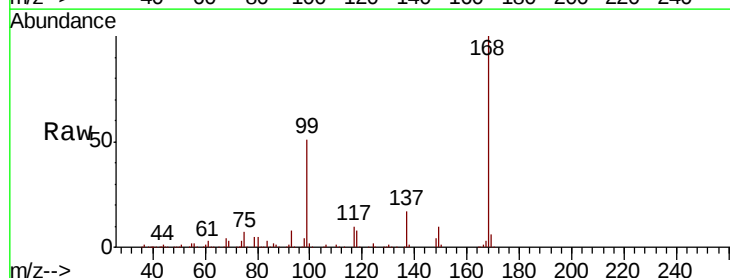
Tgt Ion: 75 Resp: 13763

Ion Ratio Lower Upper

75 100

110 12.3 20.0 59.9#

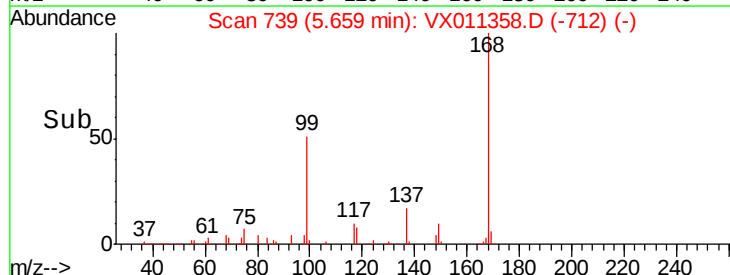
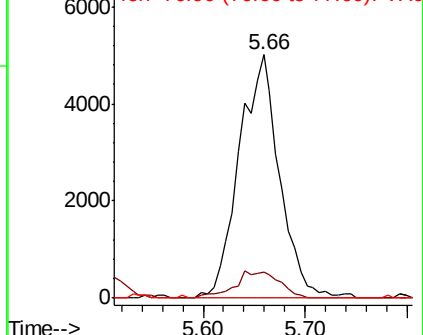
77 0.0 24.8 37.2#

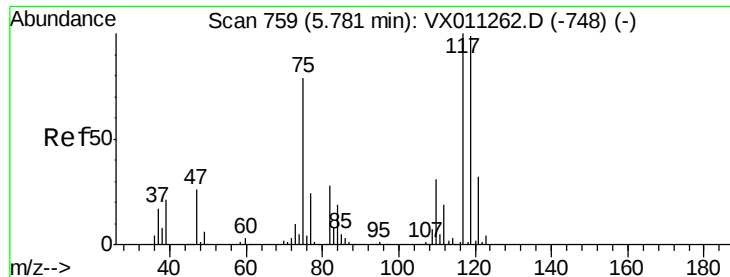


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.431 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

PB122030TB

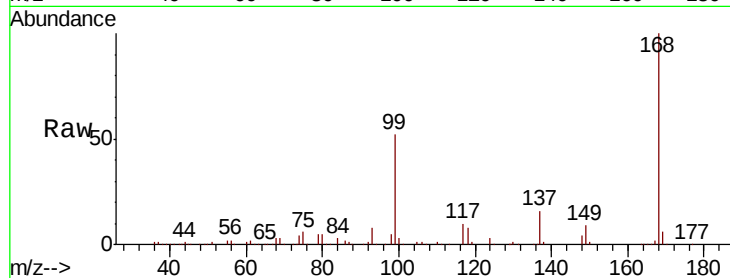
Tgt Ion:117 Resp: 19482

Ion Ratio Lower Upper

117 100

119 6.0 79.0 118.4#

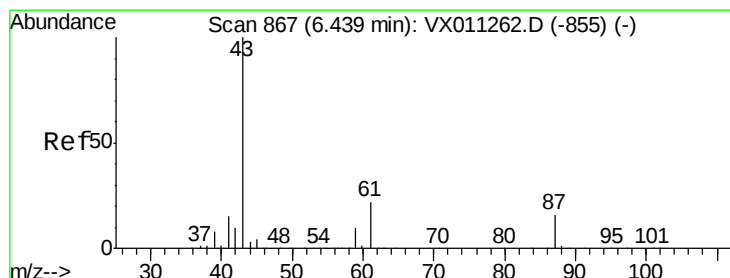
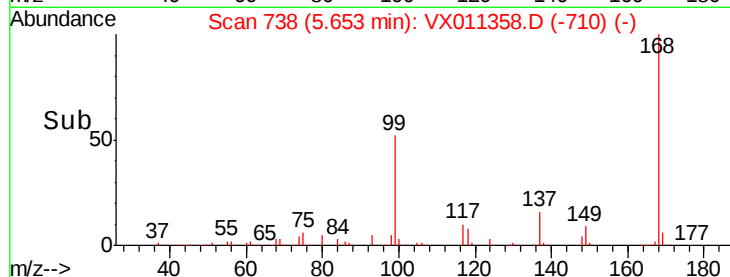
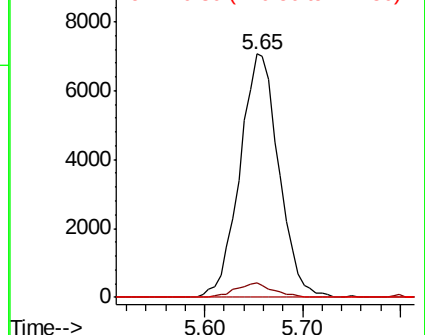
121 0.0 25.9 38.9#



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: 2.466 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

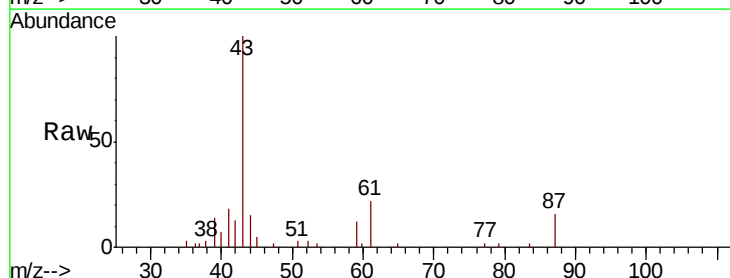
Tgt Ion: 43 Resp: 10307

Ion Ratio Lower Upper

43 100

61 21.0 16.5 24.7

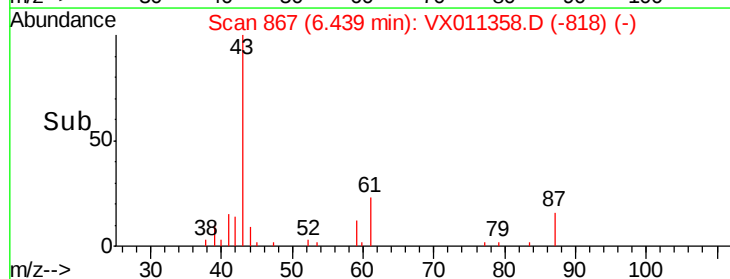
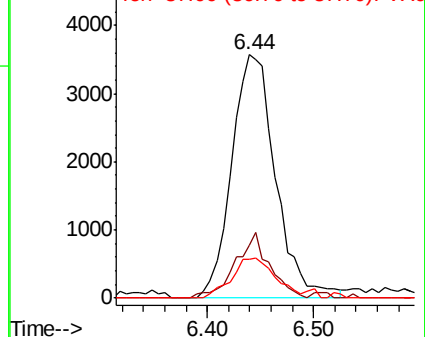
87 16.4 12.1 18.1

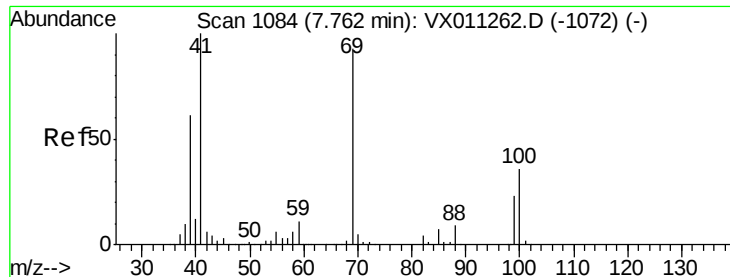


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

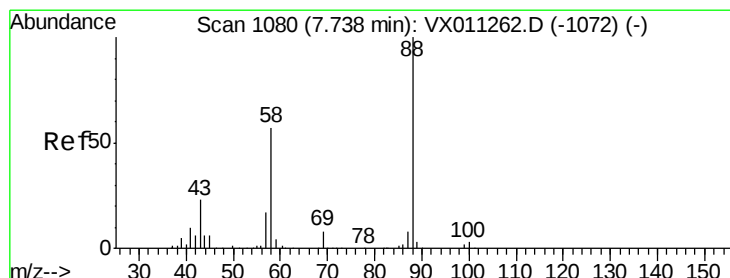
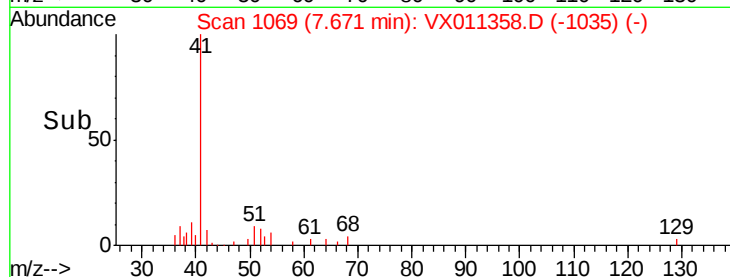
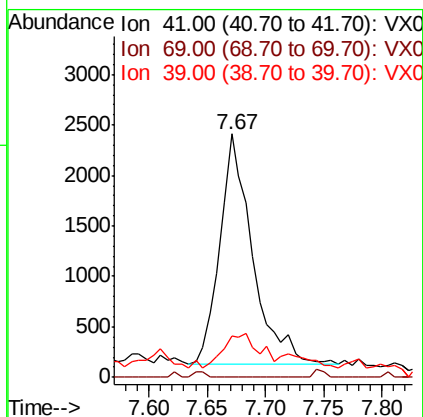
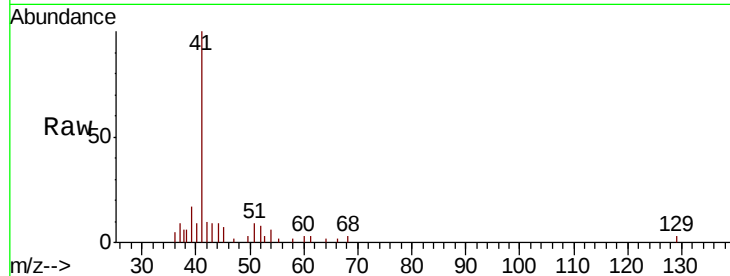




#48
Methyl methacrylate
Concen: 2.275 ug/l
RT: 7.67 min Scan# 1069
Delta R.T. -0.09 min
Lab File: VX011358.D
Acq: 07 Aug 2019 13:08

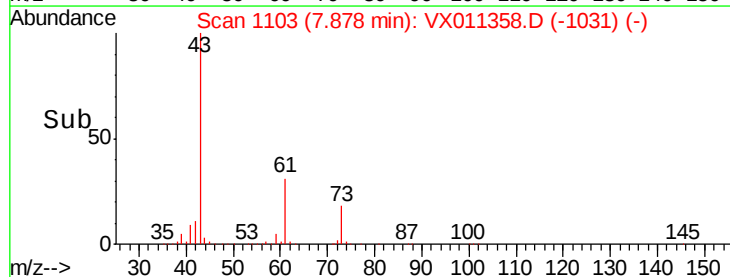
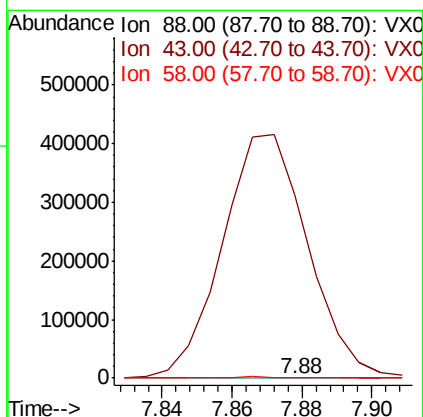
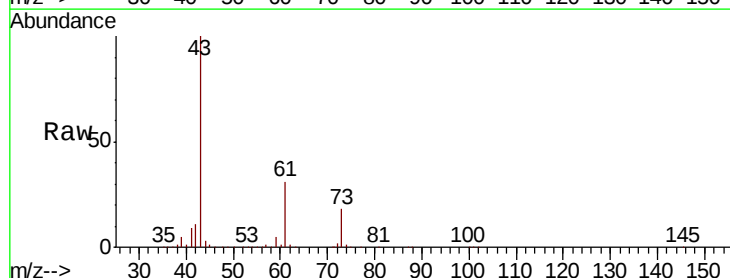
Instrument :
MSVOA_X
ClientSampleId :
PB122030TB

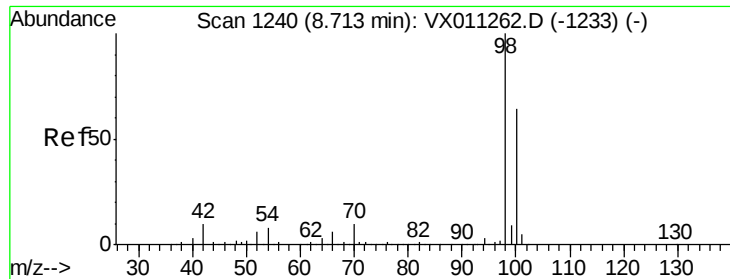
Tgt Ion: 41 Resp: 4475
Ion Ratio Lower Upper
41 100
69 0.0 74.5 111.7#
39 0.0 48.6 72.8#



#49
1,4-Dioxane
Concen: 2.087 ug/l
RT: 7.88 min Scan# 1103
Delta R.T. 0.14 min
Lab File: VX011358.D
Acq: 07 Aug 2019 13:08

Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 602426.1 22.2 33.2#
58 2952.1 47.8 71.8#





#50

Toluene-d8

Concen: 48.285 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampled :

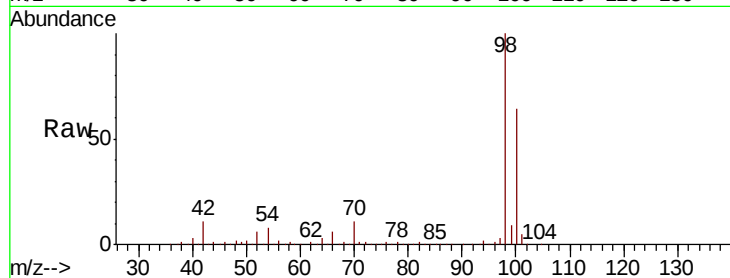
PB122030TB

Tgt Ion: 98 Resp: 355149

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

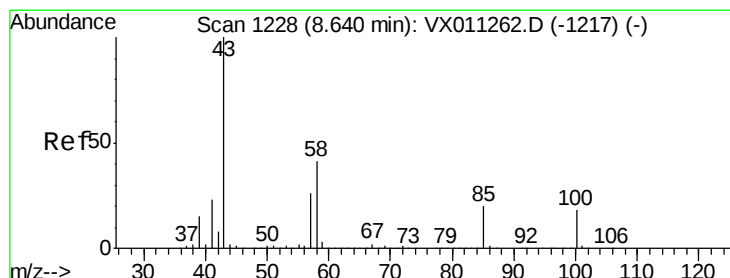
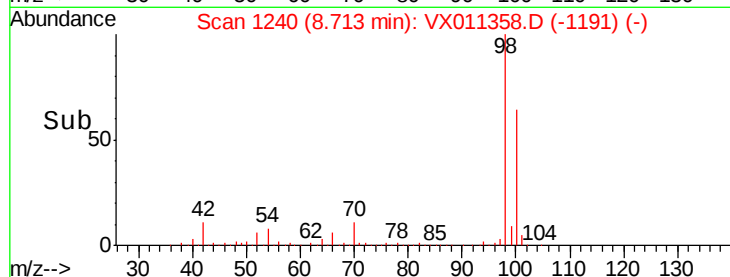
100000

50000

0

8.60 8.70 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 19.182 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011358.D

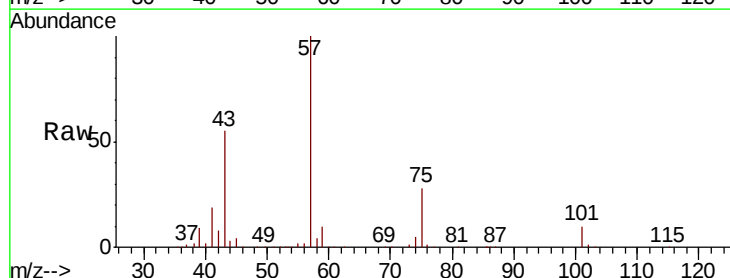
Acq: 07 Aug 2019 13:08

Tgt Ion: 43 Resp: 51733

Ion Ratio Lower Upper

43 100

58 9.0 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

40000

30000

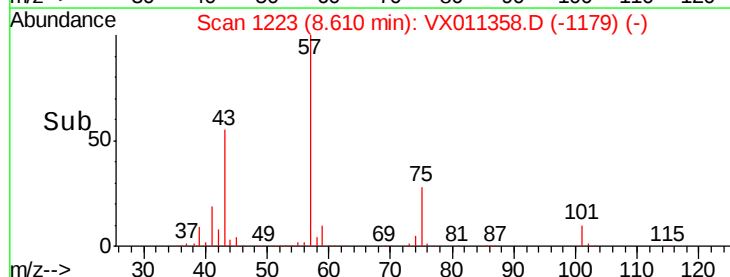
20000

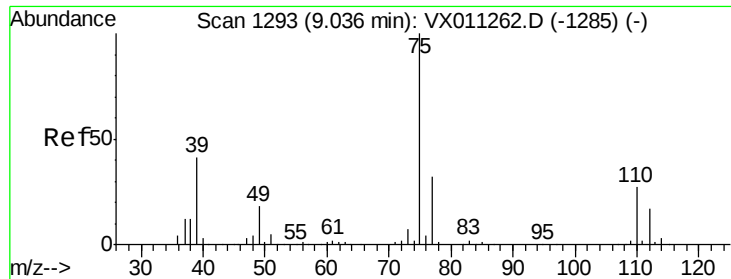
10000

0

8.50 8.55 8.60 8.65 8.70

Time-->

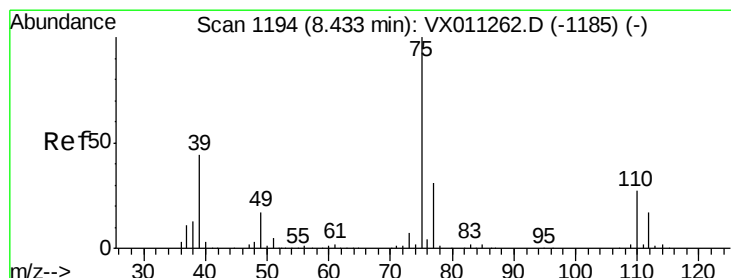
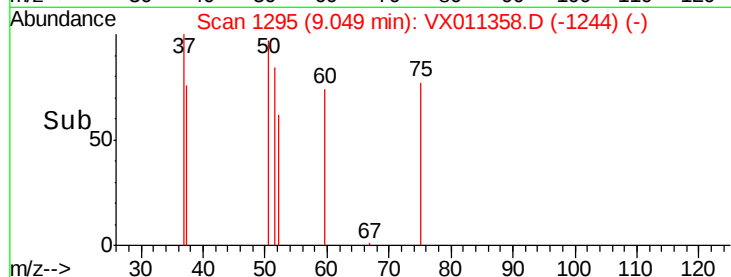
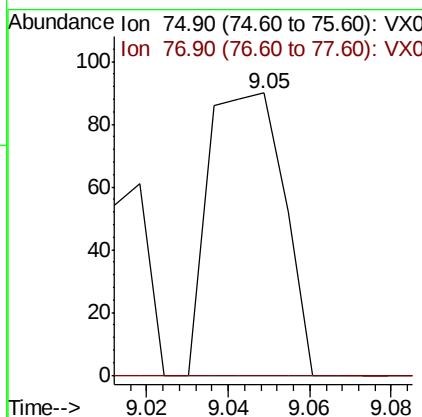
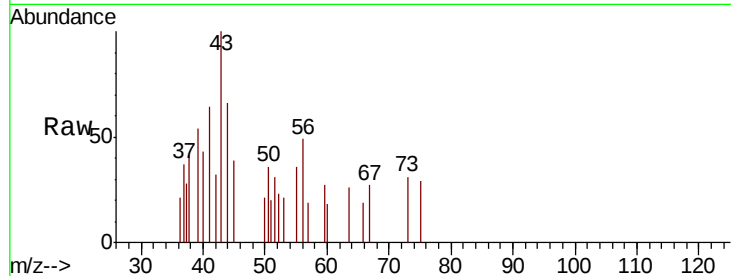




#53
 t-1,3-Dichloropropene
 Concen: 2.876 ug/l
 RT: 9.05 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: VX011358.D
 Acq: 07 Aug 2019 13:08

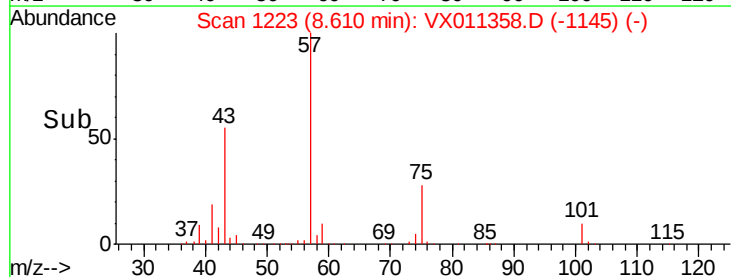
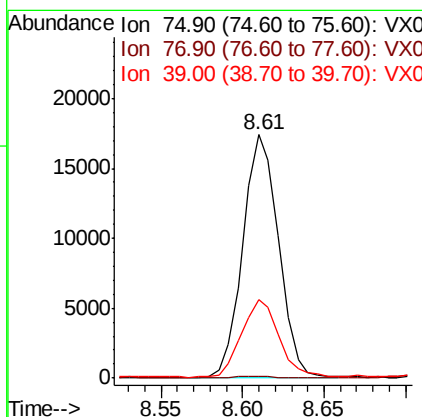
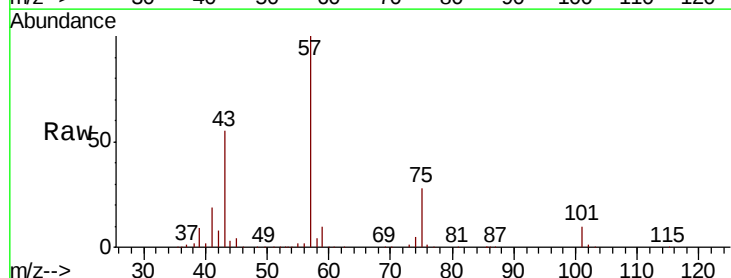
Instrument :
 MSVOA_X
 ClientSampleID :
 PB122030TB

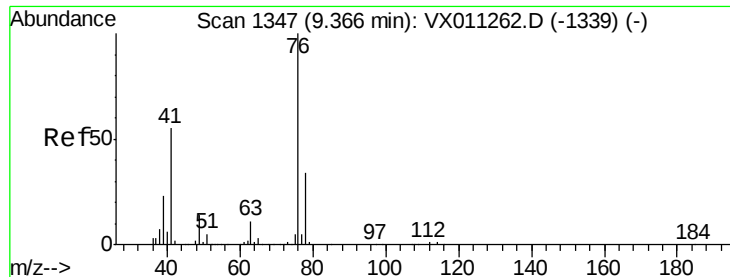
Tgt Ion: 75 Resp: 116
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 9.175 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011358.D
 Acq: 07 Aug 2019 13:08

Tgt Ion: 75 Resp: 26678
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.6#
 39 31.8 35.3 52.9#





#57

1,3-Dichloropropane

Concen: 1.920 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.17 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

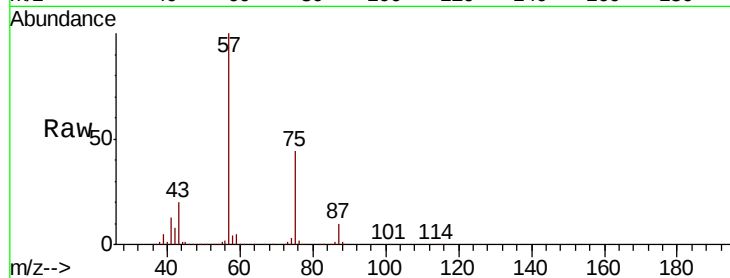
PB122030TB

Tgt Ion: 76 Resp: 6418

Ion Ratio Lower Upper

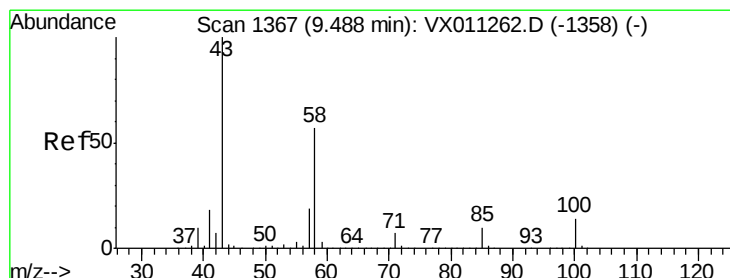
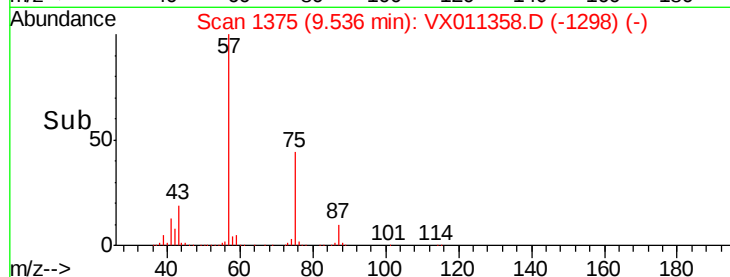
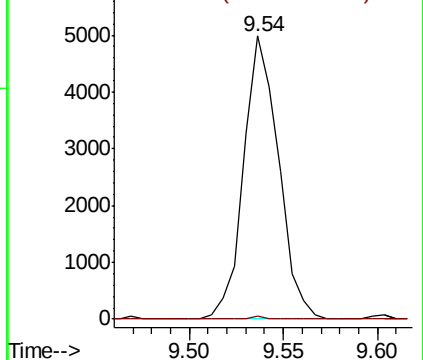
76 100

78 0.3 26.6 40.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 38.691 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011358.D

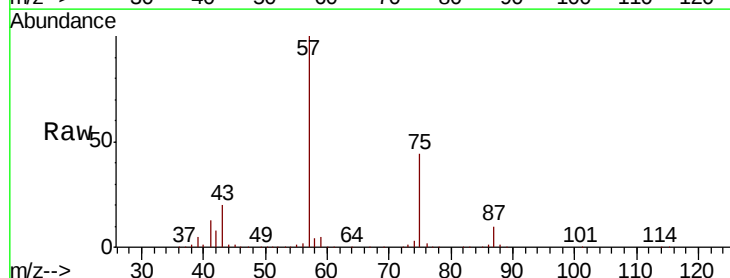
Acq: 07 Aug 2019 13:08

Tgt Ion: 43 Resp: 80823

Ion Ratio Lower Upper

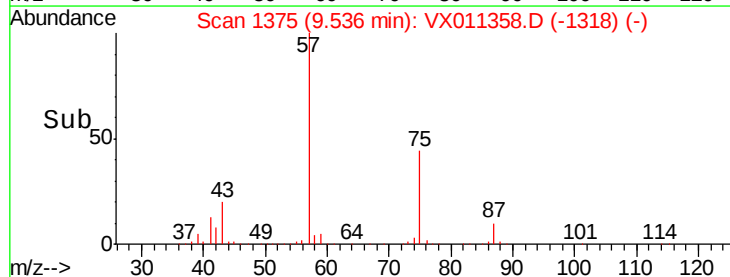
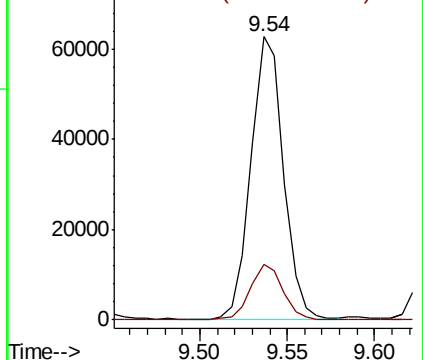
43 100

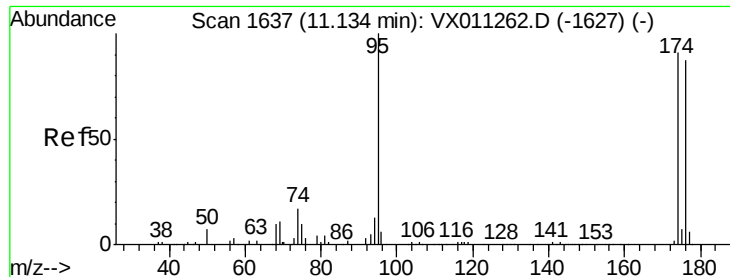
58 20.1 28.2 84.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

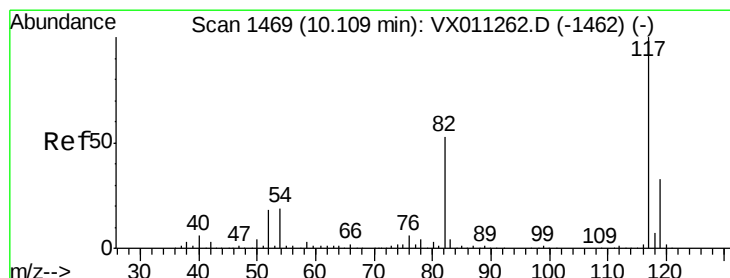
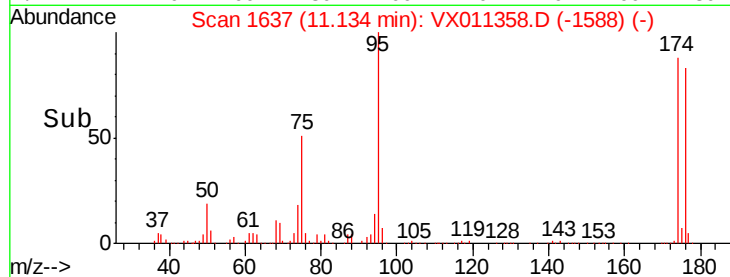
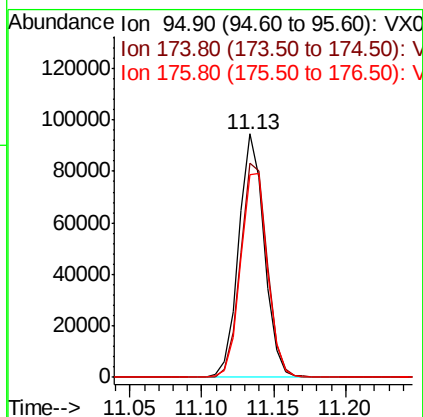
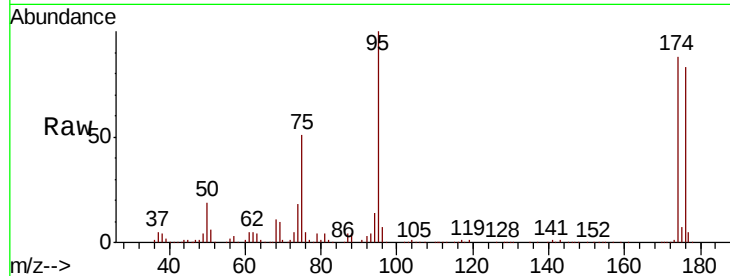




#62
4-Bromofluorobenzene
Concen: 44.402 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011358.D
Acq: 07 Aug 2019 13:08

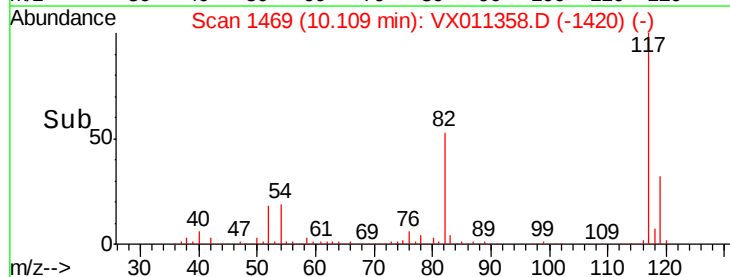
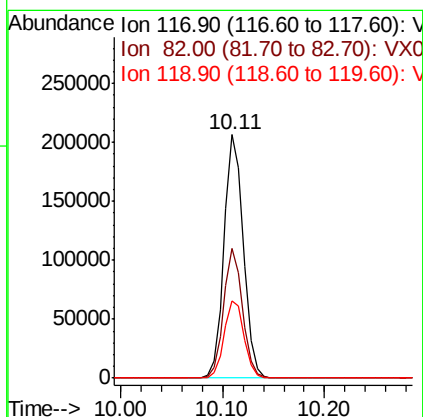
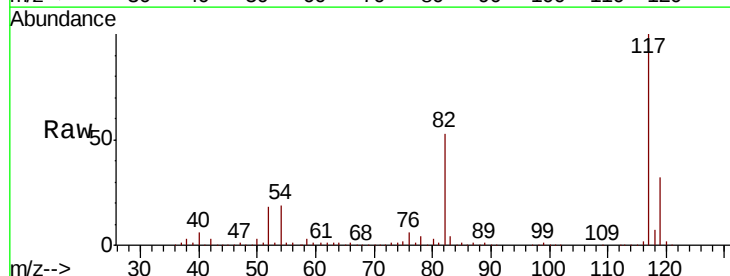
Instrument :
MSVOA_X
ClientSampleId :
PB122030TB

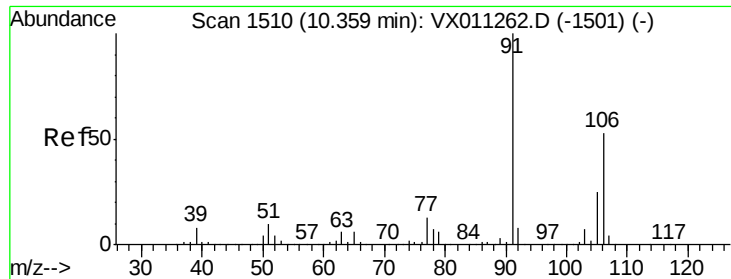
Tgt Ion: 95 Resp: 116602
Ion Ratio Lower Upper
95 100
174 92.1 0.0 191.2
176 88.5 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011358.D
Acq: 07 Aug 2019 13:08

Tgt Ion: 117 Resp: 271445
Ion Ratio Lower Upper
117 100
82 53.3 42.2 63.2
119 31.6 26.6 39.8

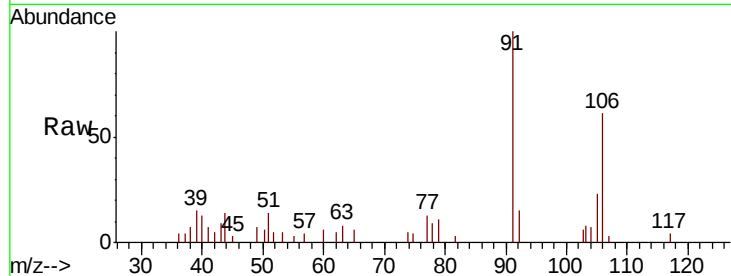




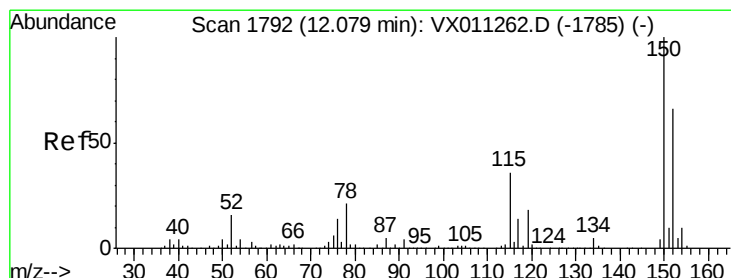
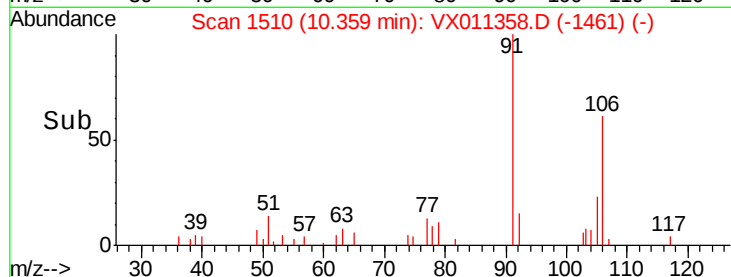
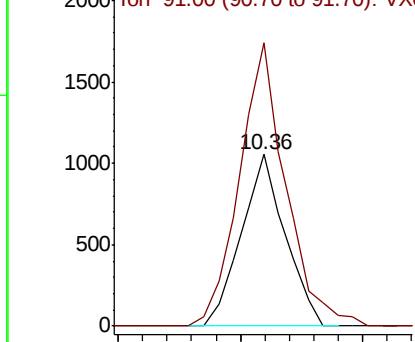
#68
m/p-Xylenes
Concen: 0.348 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011358.D
Acq: 07 Aug 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
PB122030TB

Tgt Ion:106 Resp: 1312
Ion Ratio Lower Upper
106 100
91 174.5 155.9 233.9

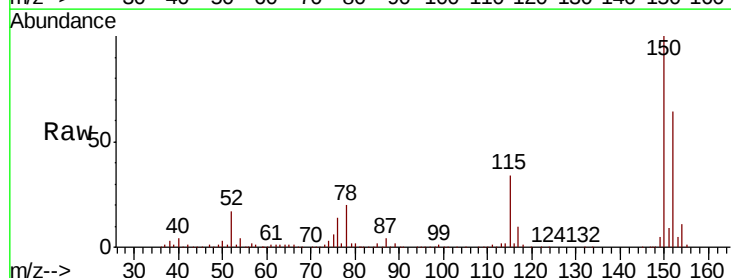


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

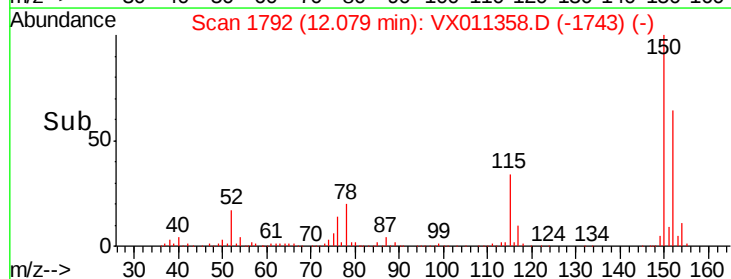
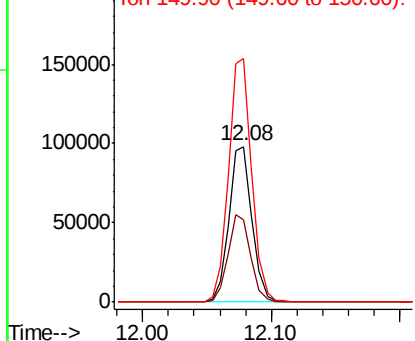


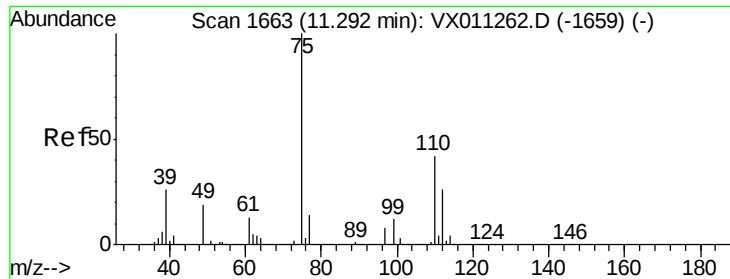
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011358.D
Acq: 07 Aug 2019 13:08

Tgt Ion:152 Resp: 123244
Ion Ratio Lower Upper
152 100
115 55.6 40.0 119.9
150 157.4 0.0 350.4



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: 26.428 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

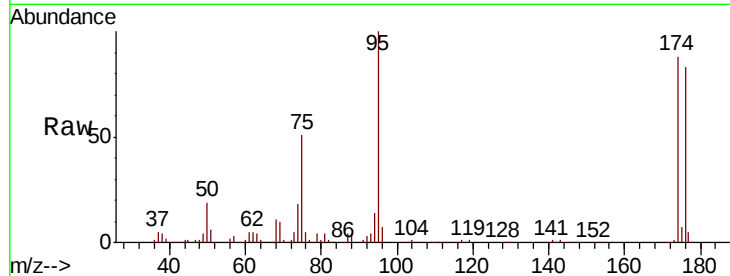
PB122030TB

Tgt Ion: 75 Resp: 59315

Ion Ratio Lower Upper

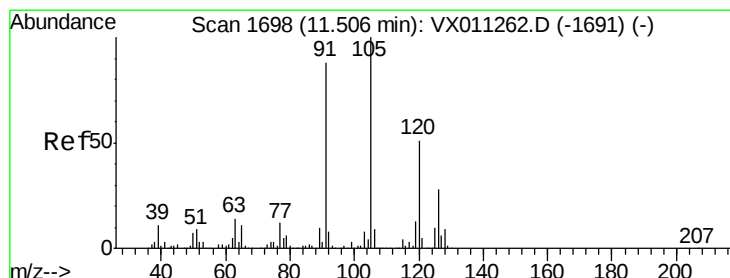
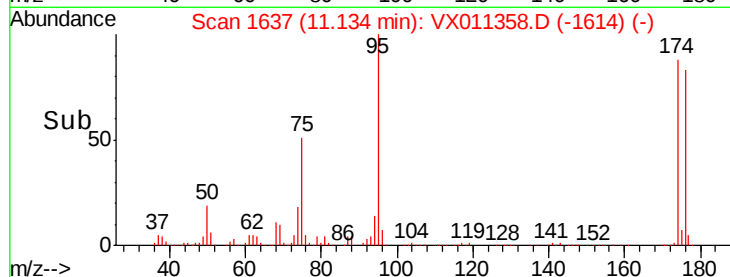
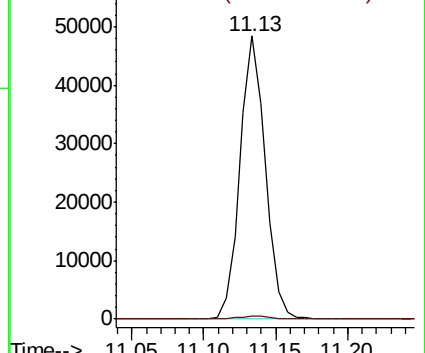
75 100

77 1.4 21.1 63.4#



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: 0.203 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011358.D

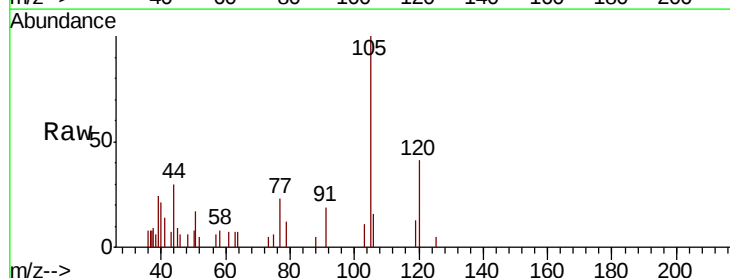
Acq: 07 Aug 2019 13:08

Tgt Ion: 105 Resp: 1435

Ion Ratio Lower Upper

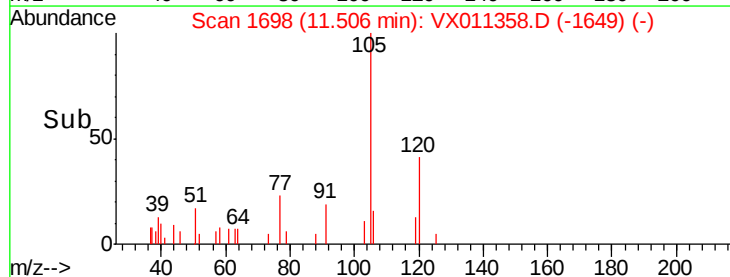
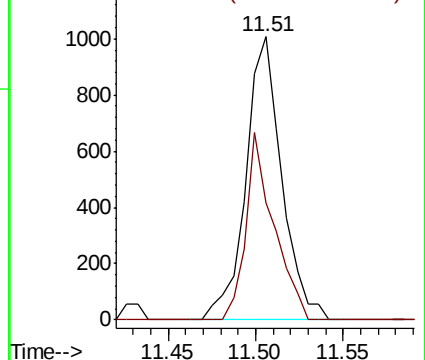
105 100

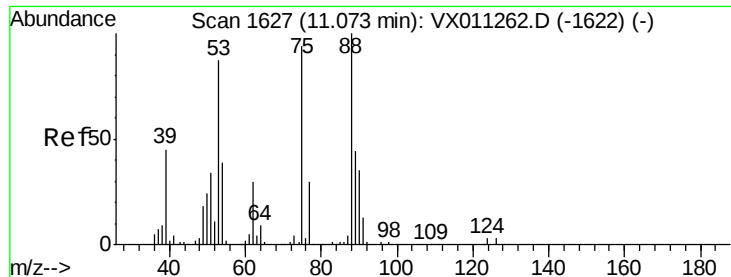
120 51.2 25.1 75.2



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: 68.707 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011358.D

Acq: 07 Aug 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

PB122030TB

Tgt Ion: 75 Resp: 59315

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 37.9 56.9#

