

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
 Data File : VX012787.D
 Acq On : 03 Oct 2019 16:36
 Operator : JC/SP
 Sample : K5189-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ134I-20190930

Quant Time: Oct 04 06:50:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100448	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	121542	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	5.49	113	90653	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	8.71	98	354458	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	11.14	95	120916	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	

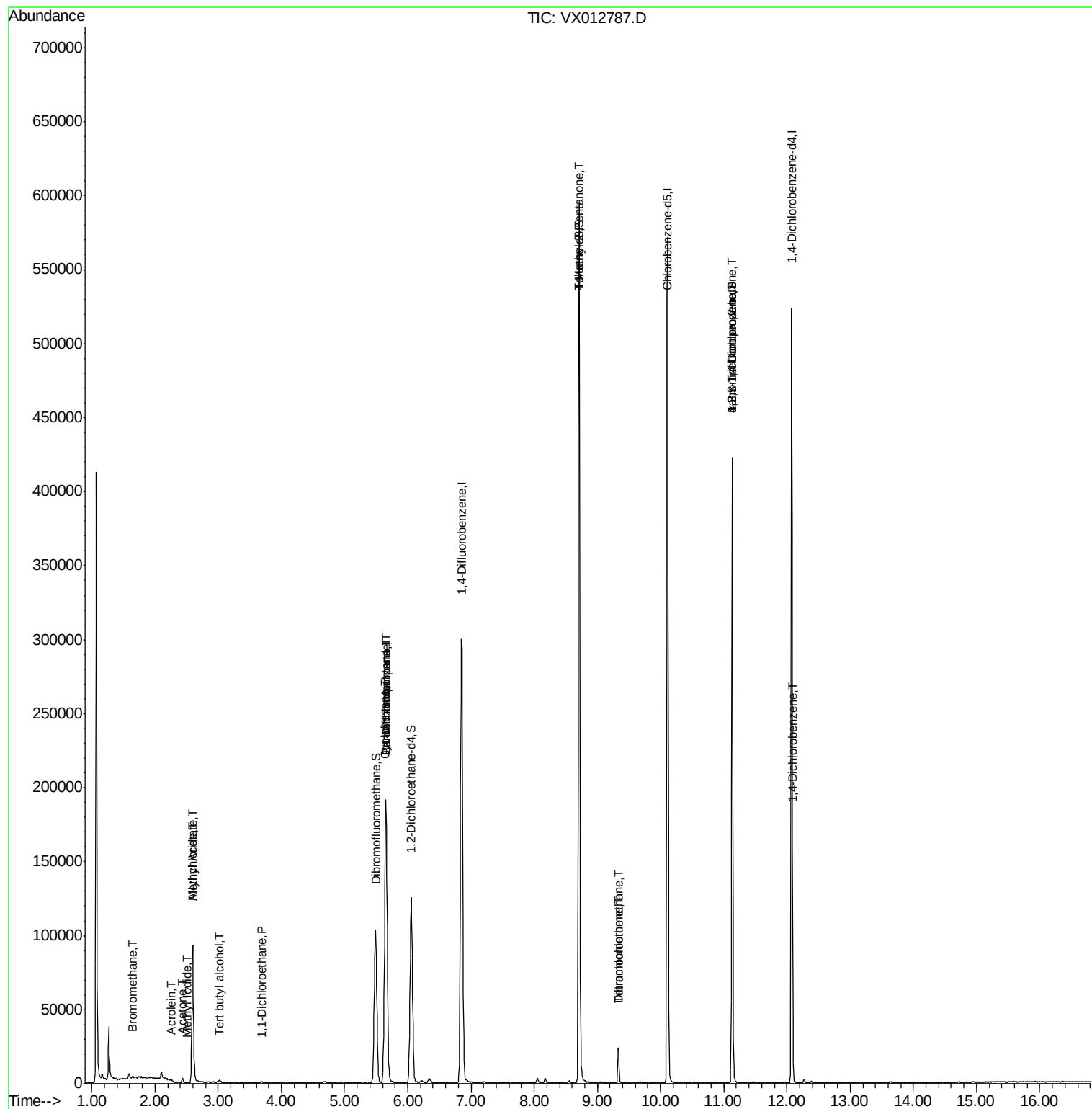
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	339	0.386	ug/l #	74
10) Methyl Iodide	2.50	142	23	4.963	ug/l #	35
11) Tert butyl alcohol	3.02	59	1390	2.194	ug/l #	72
13) Acrolein	2.26	56	76	10.439	ug/l #	1
14) Allyl chloride	2.59	41	9074	2.443	ug/l #	63
16) Acetone	2.43	43	3332	2.481	ug/l	93
18) Methyl Acetate	2.59	43	24407	7.717	ug/l #	54
24) 1,1-Dichloroethane	3.69	63	1166	0.299	ug/l #	81
31) Cyclohexane	5.64	56	4009	1.136	ug/l #	11
36) 1,1-Dichloropropene	5.65	75	14568	5.036	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18225	6.203	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1616	0.463	ug/l #	1
60) Dibromochloromethane	9.33	129	4327	2.010	ug/l #	11
64) Tetrachloroethene	9.33	164	4430	2.466	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	59565	22.417	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	59565	64.243	ug/l #	8
88) 1,4-Dichlorobenzene	12.09	146	1048	0.311	ug/l #	1

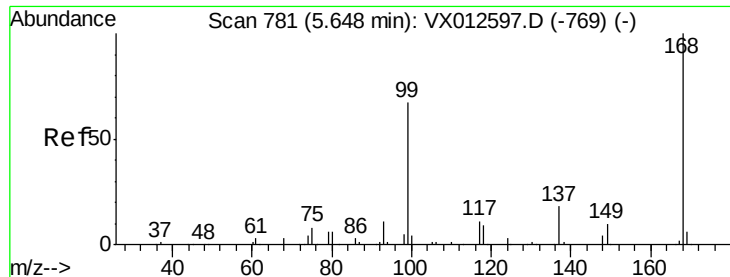
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

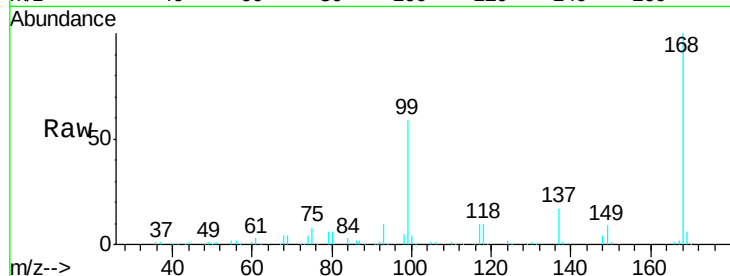
SA-PZ134I-20190930

Tgt Ion: 168 Resp: 174138

Ion Ratio Lower Upper

168 100

99 58.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

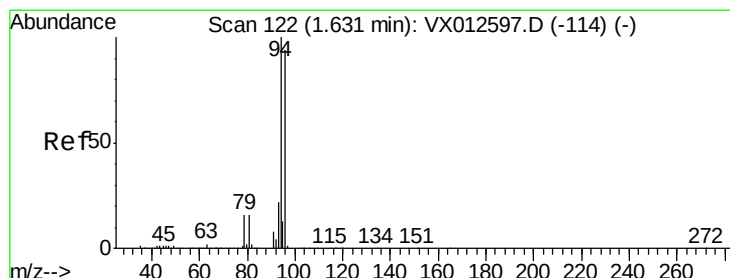
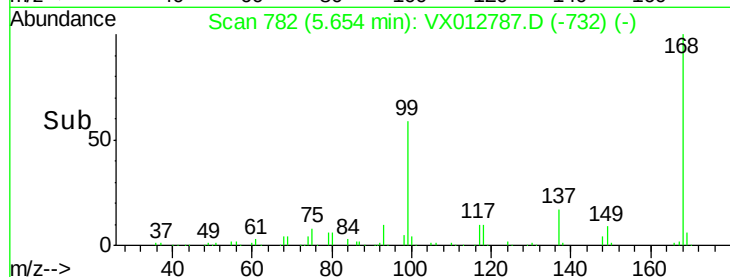
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: 0.386 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012787.D

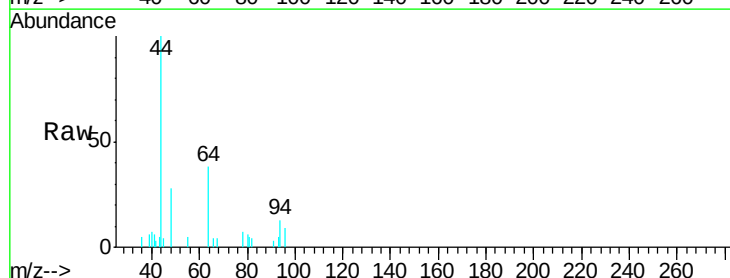
Acq: 03 Oct 2019 16:36

Tgt Ion: 94 Resp: 339

Ion Ratio Lower Upper

94 100

96 66.5 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

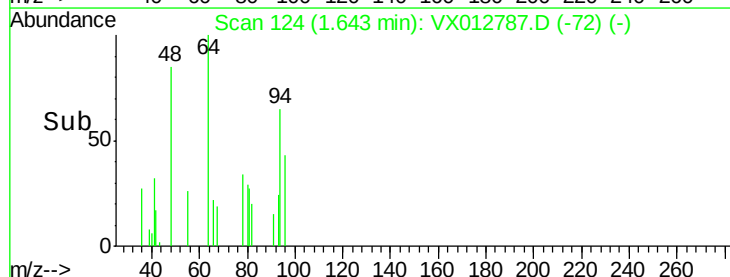
150

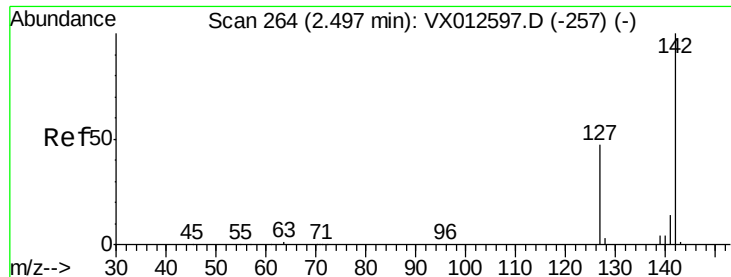
100

50

0

Time--> 1.60 1.65 1.70

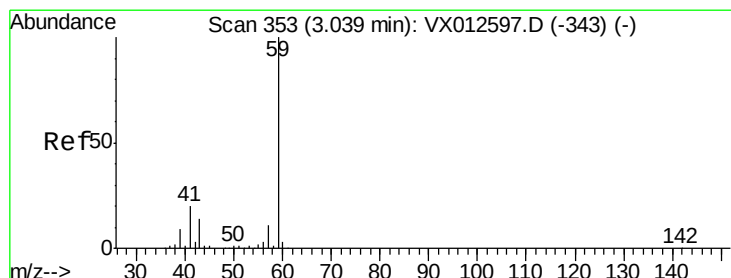
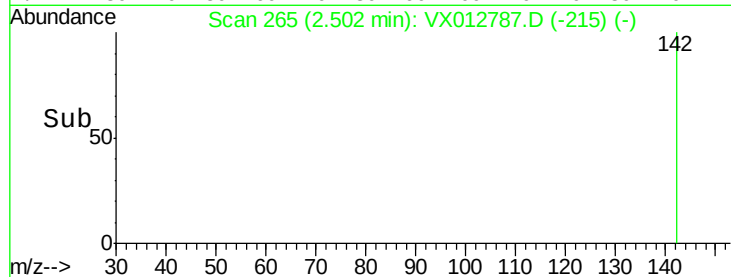
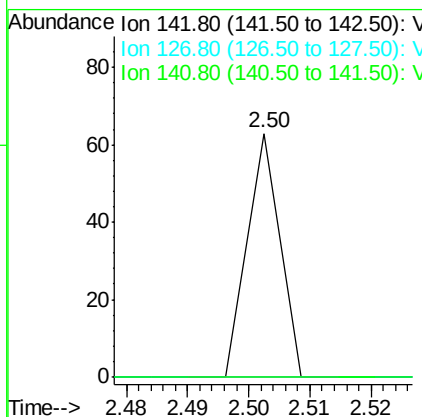
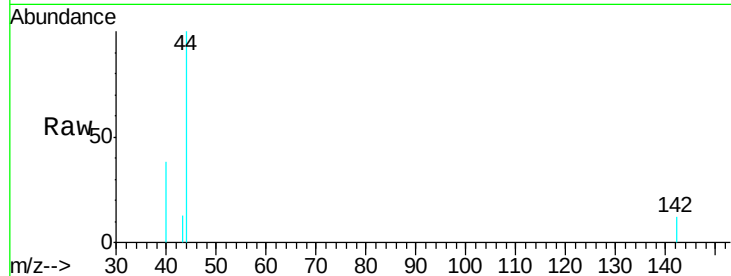




#10
Methyl Iodide
Concen: 4.963 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012787.D
Acq: 03 Oct 2019 16:36

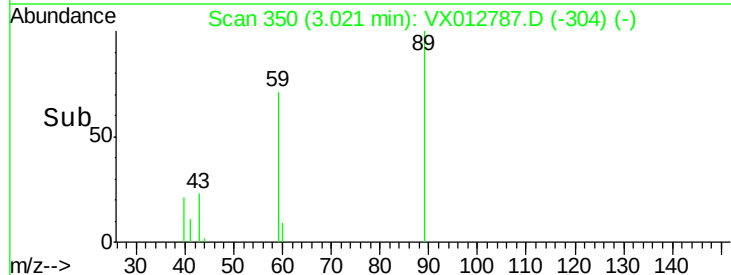
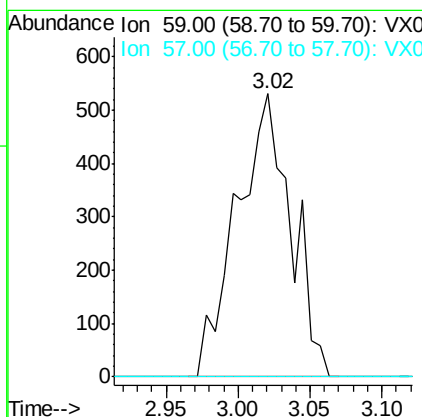
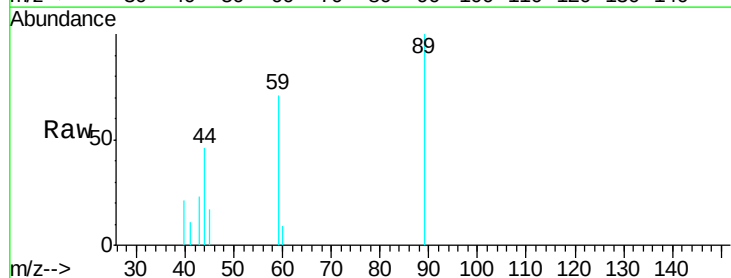
Instrument :
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SA-PZ134I-20190930

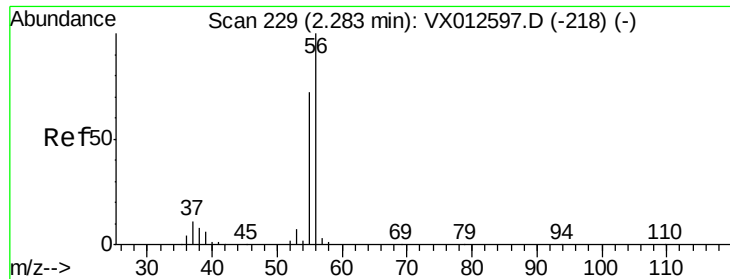
Tgt Ion: 142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 2.194 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012787.D
Acq: 03 Oct 2019 16:36

Tgt Ion: 59 Resp: 1390
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 10.439 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

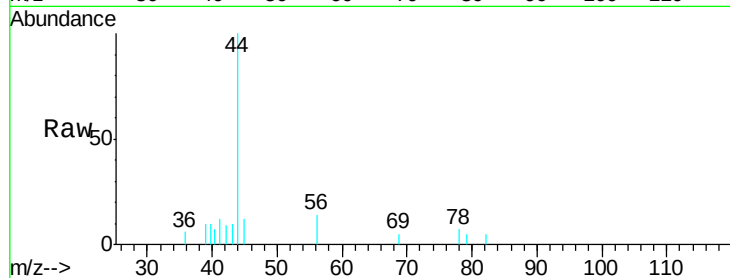
SA-PZ134I-20190930

Tgt Ion: 56 Resp: 76

Ion Ratio Lower Upper

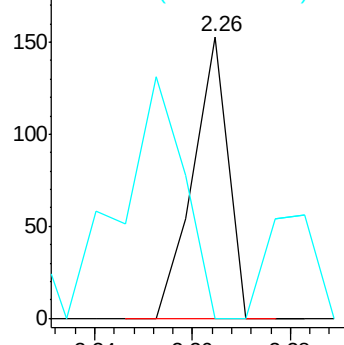
56 100

55 177.6 55.8 83.8#

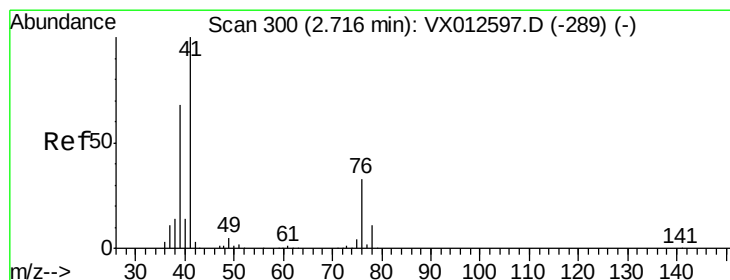
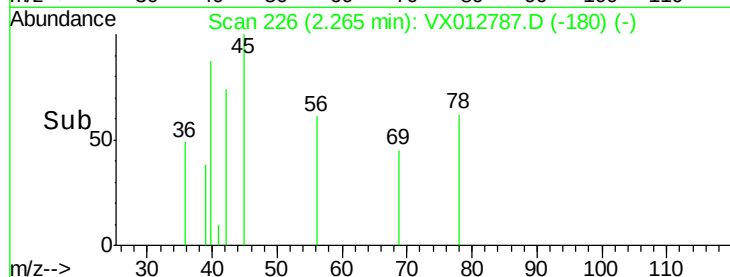


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 2.443 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

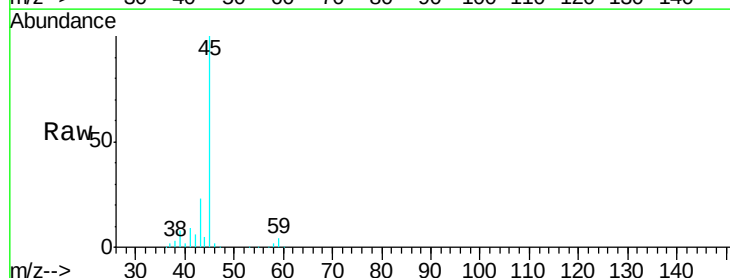
Tgt Ion: 41 Resp: 9074

Ion Ratio Lower Upper

41 100

39 87.2 51.3 76.9#

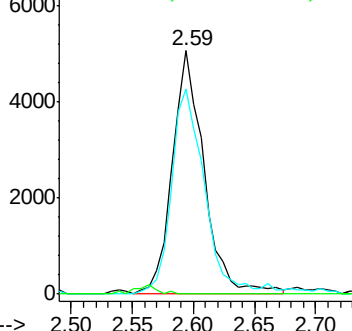
76 0.0 22.6 33.8#



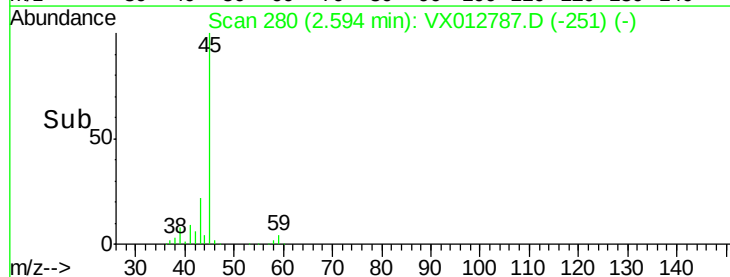
Abundance Ion 41.00 (40.70 to 41.70): VX0

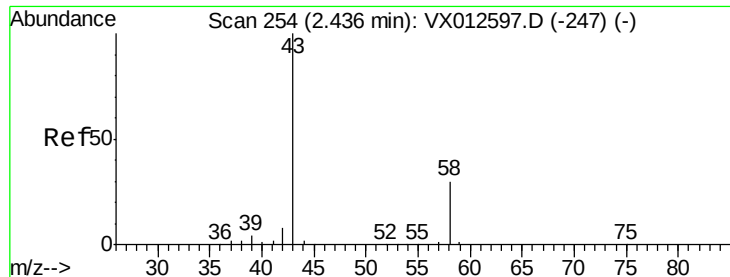
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->





#16

Acetone

Concen: 2.481 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

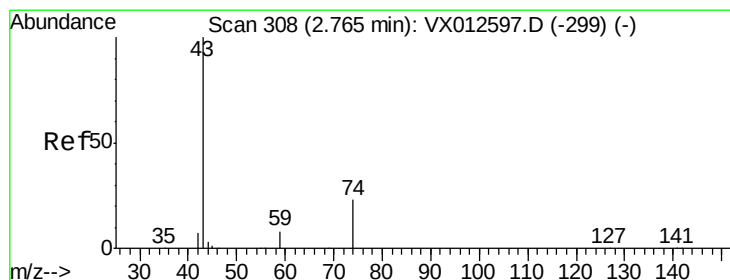
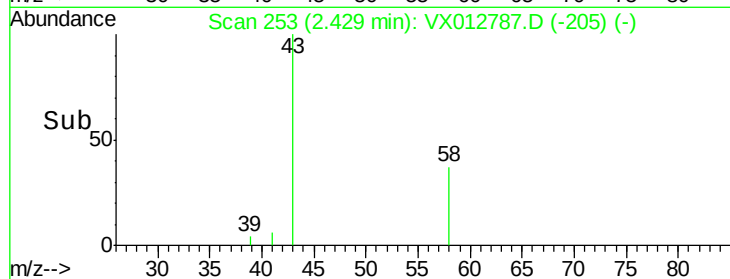
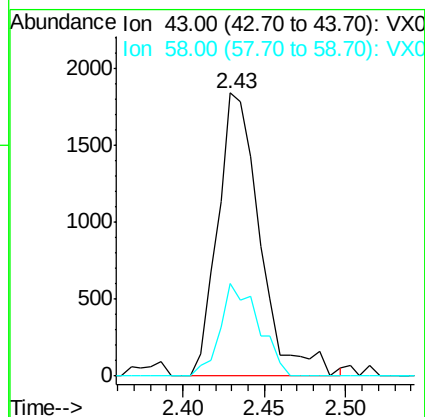
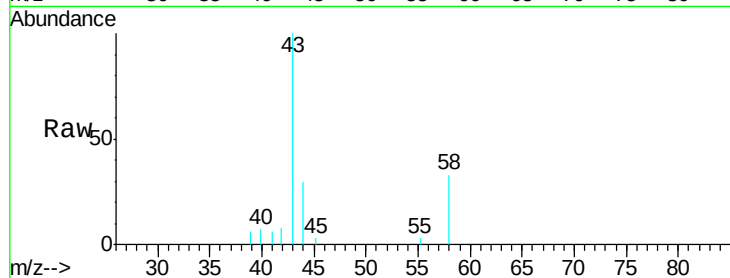
SA-PZ134I-20190930

Tgt Ion: 43 Resp: 3332

Ion Ratio Lower Upper

43 100

58 32.9 23.3 34.9



#18

Methyl Acetate

Concen: 7.717 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012787.D

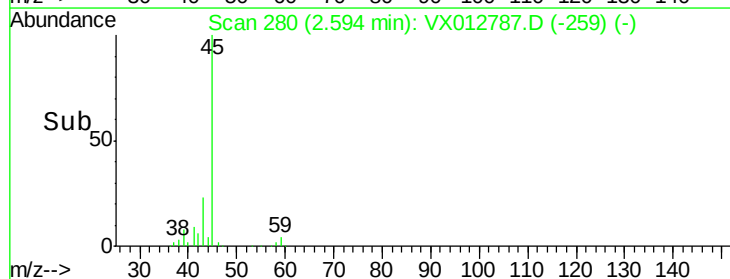
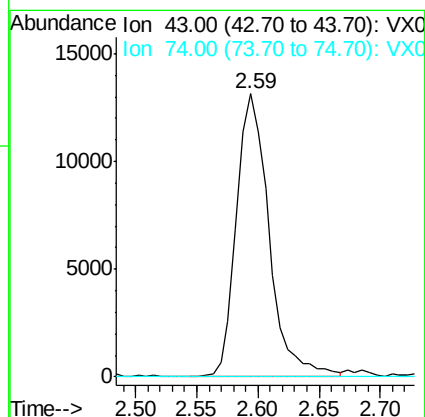
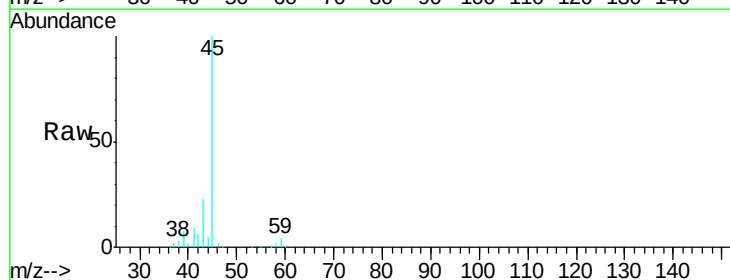
Acq: 03 Oct 2019 16:36

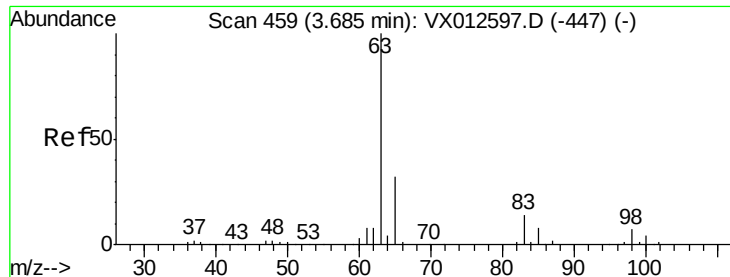
Tgt Ion: 43 Resp: 24407

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#24

1,1-Dichloroethane

Concen: 0.299 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ134I-20190930

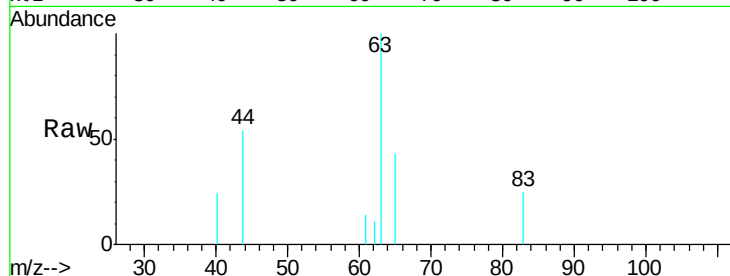
Tgt Ion: 63 Resp: 1166

Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.7#

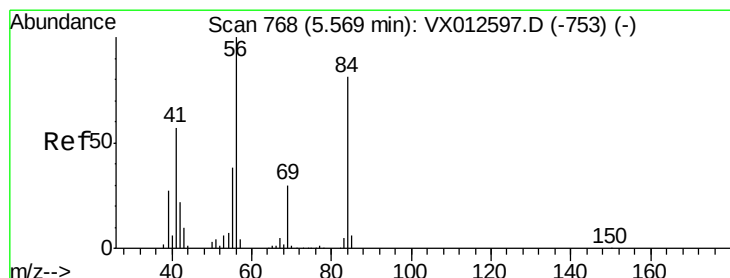
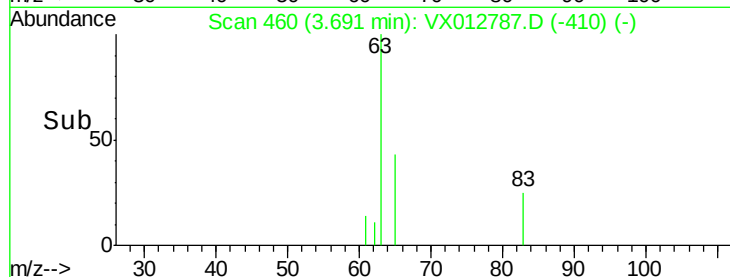
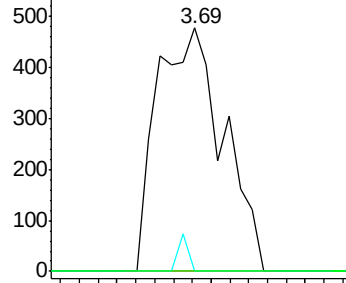
100 0.0 2.3 6.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#31

Cyclohexane

Concen: 1.136 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

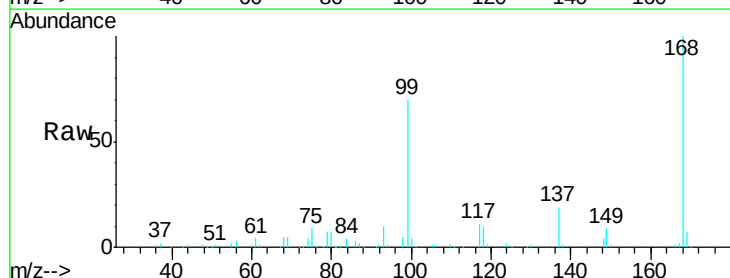
Tgt Ion: 56 Resp: 4009

Ion Ratio Lower Upper

56 100

69 148.2 25.0 37.6#

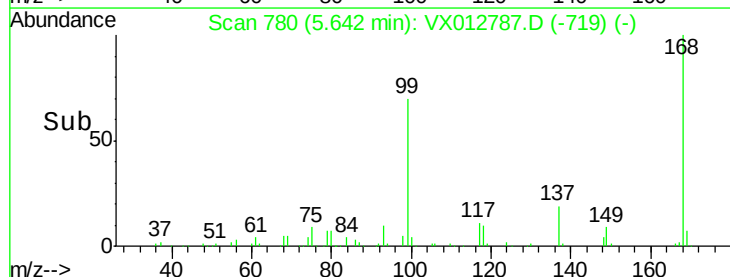
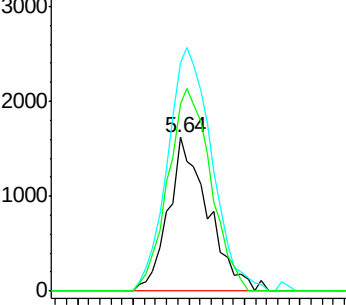
84 121.8 66.4 99.6#

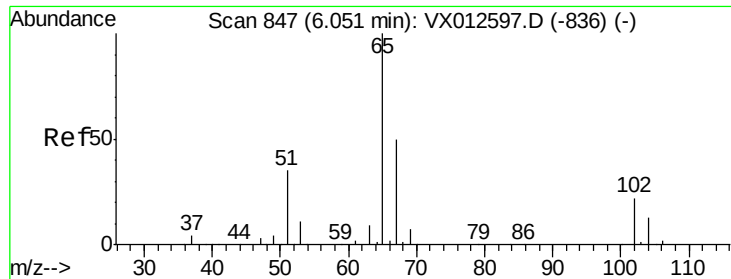


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

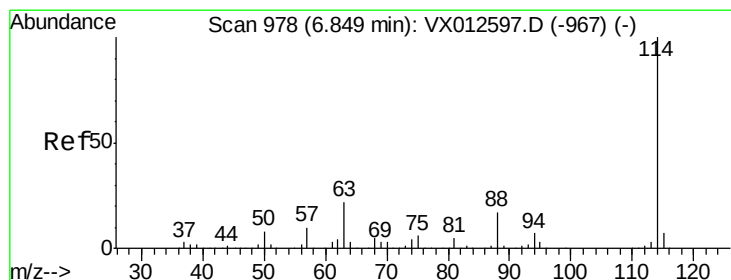
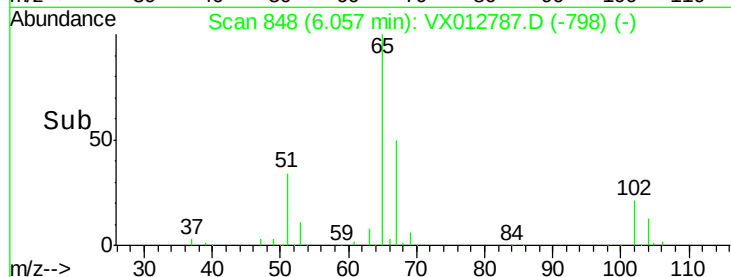
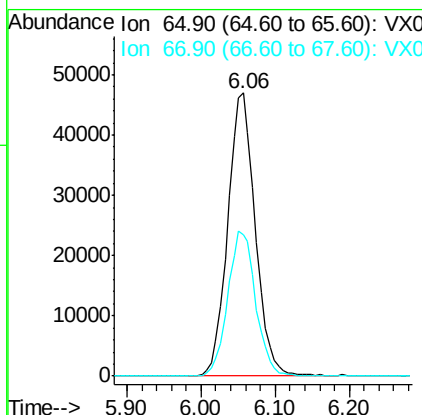
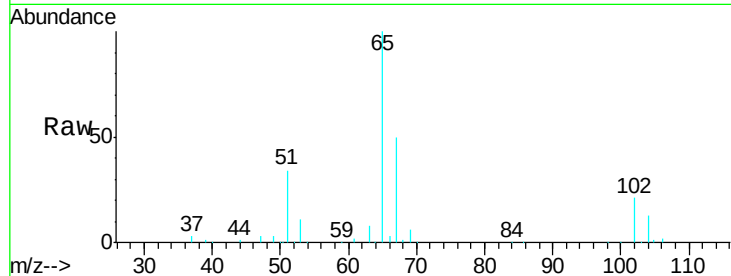




#33
 1,2-Dichloroethane-d4
 Concen: 47.931 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012787.D
 Acq: 03 Oct 2019 16:36

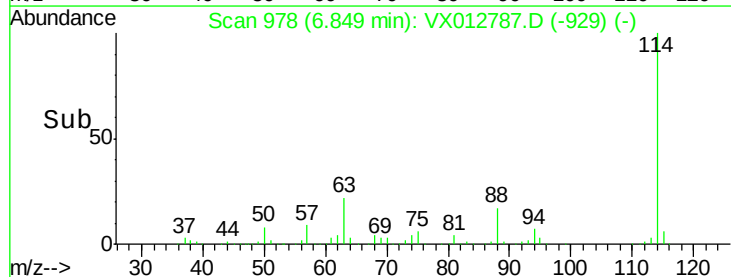
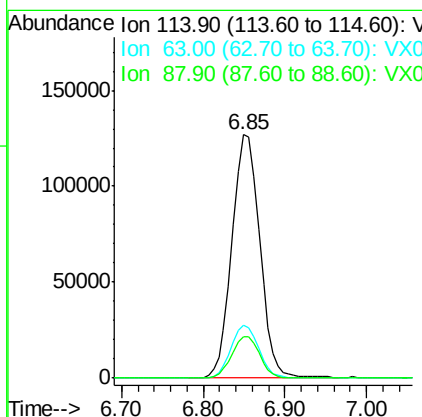
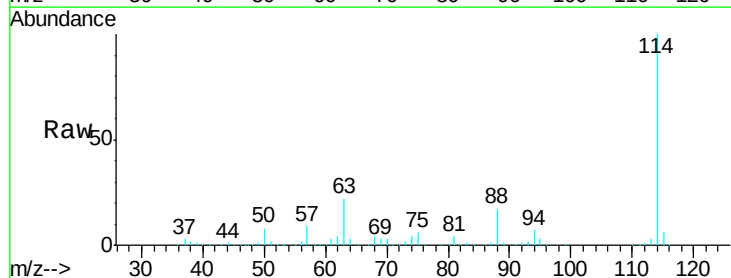
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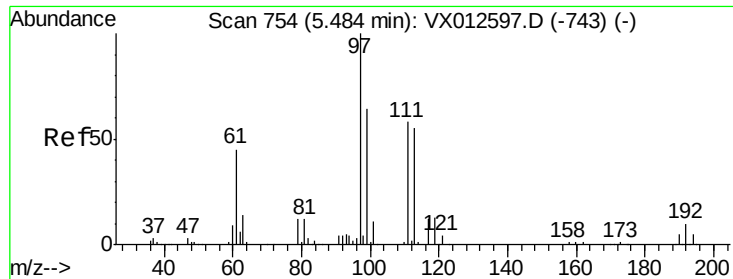
Tgt Ion: 65 Resp: 121542
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012787.D
 Acq: 03 Oct 2019 16:36

Tgt Ion: 114 Resp: 300090
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.9 0.0 33.2

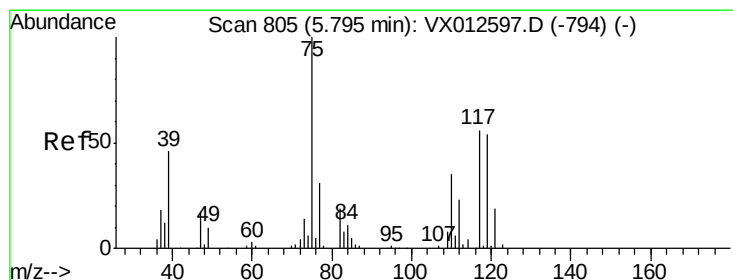
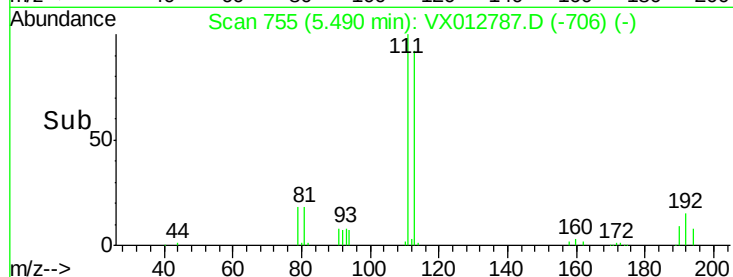
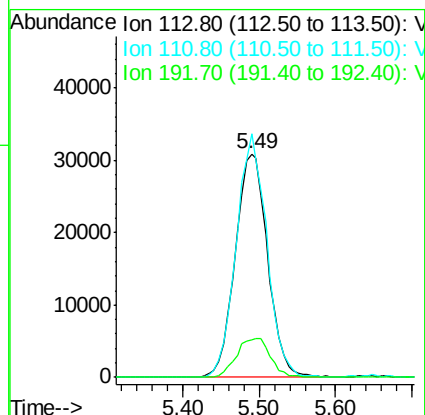
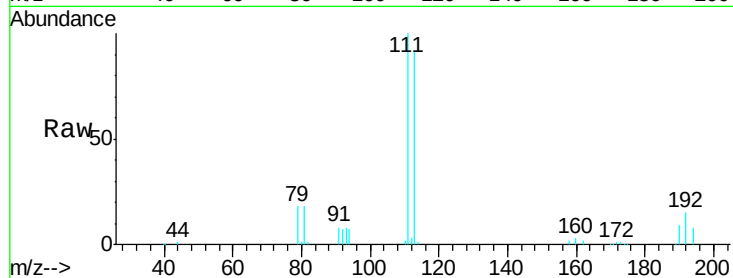




#35
 Dibromofluoromethane
 Concen: 50.724 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012787.D
 Acq: 03 Oct 2019 16:36

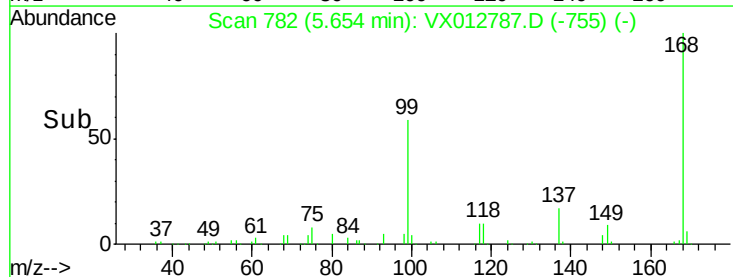
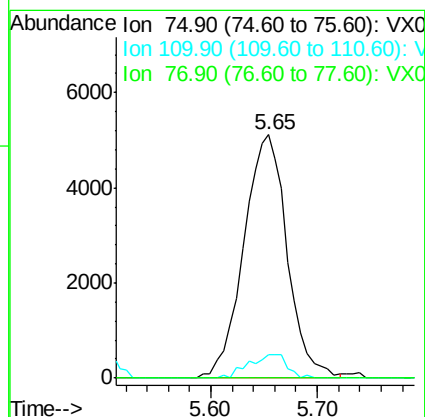
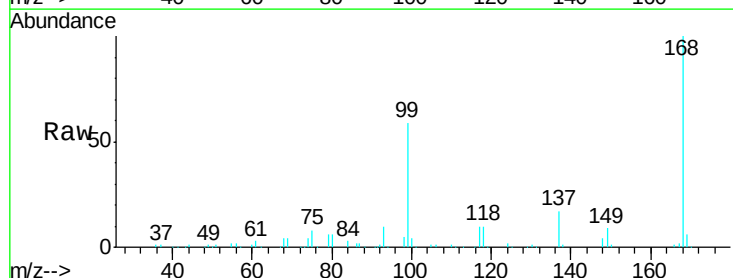
Instrument :
 MSVOA_X
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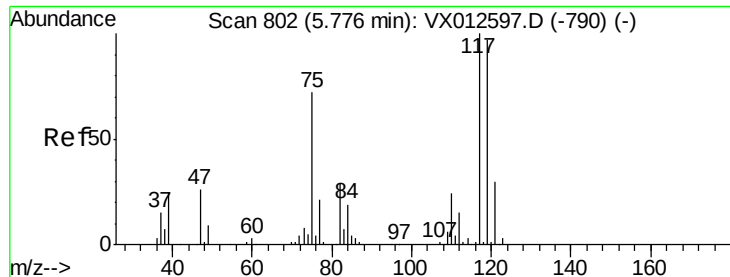
Tgt Ion:113 Resp: 90653
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.4 125.2
 192 18.1 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.036 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012787.D
 Acq: 03 Oct 2019 16:36

Tgt Ion: 75 Resp: 14568
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.7 50.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.203 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ134I-20190930

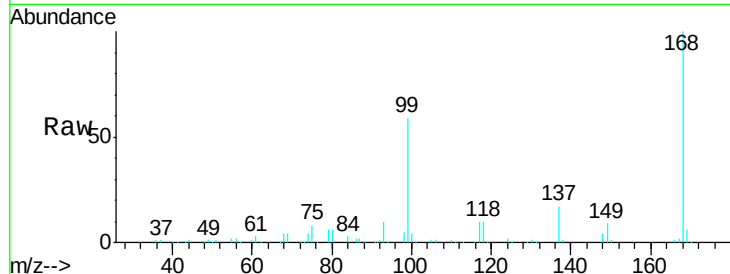
Tgt Ion:117 Resp: 18225

Ion Ratio Lower Upper

117 100

119 4.7 75.7 113.5#

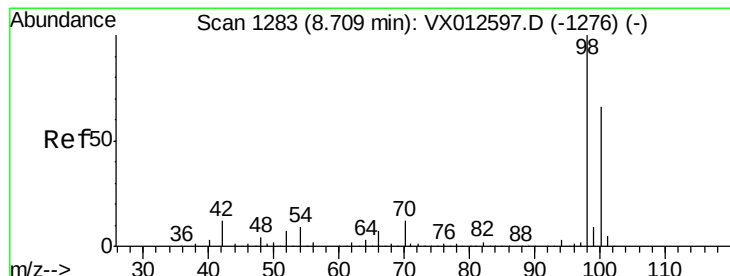
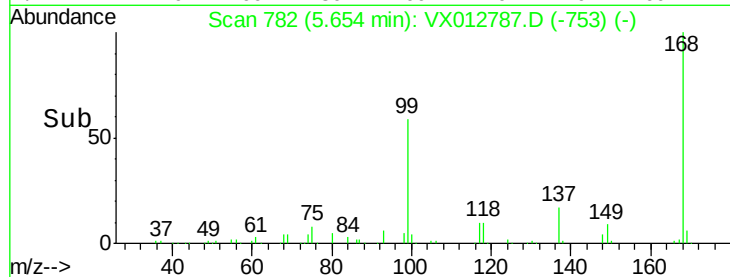
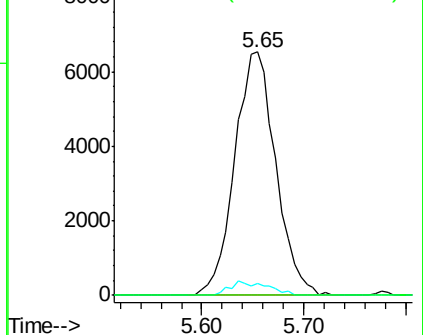
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: 51.501 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012787.D

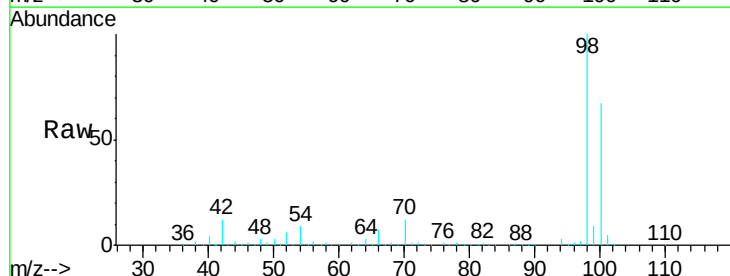
Acq: 03 Oct 2019 16:36

Tgt Ion: 98 Resp: 354458

Ion Ratio Lower Upper

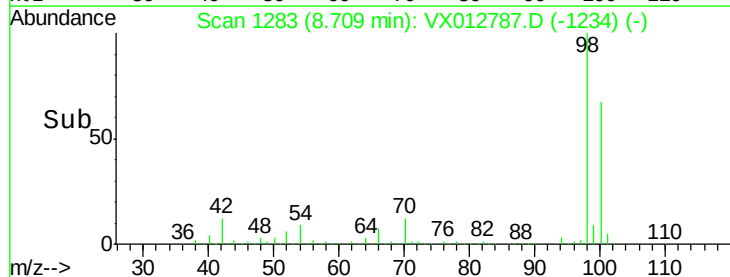
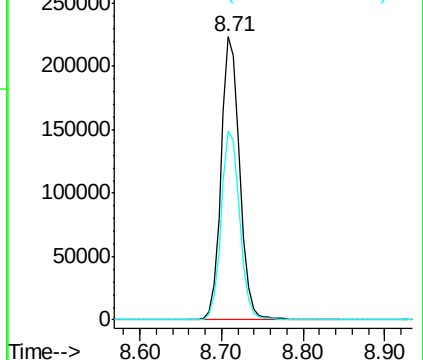
98 100

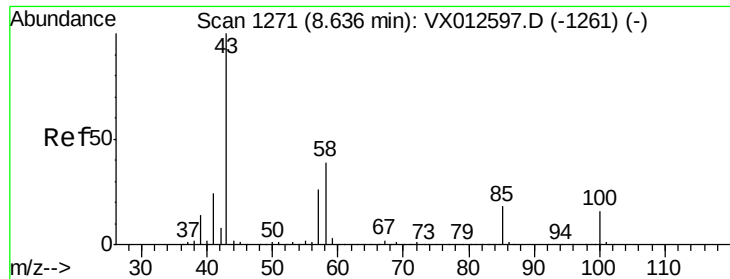
100 67.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

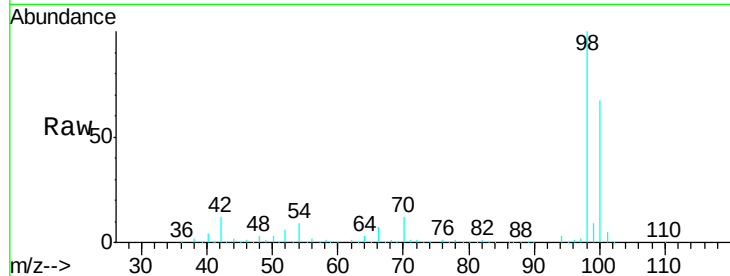




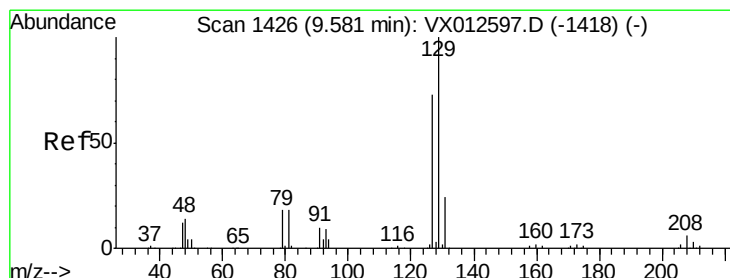
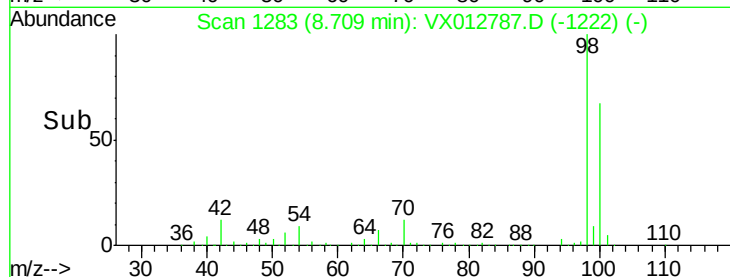
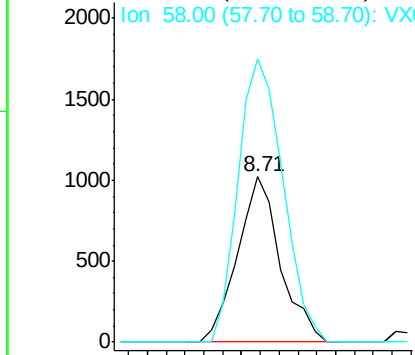
#51
 4-Methyl-2-Pentanone
 Concen: 0.463 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.07 min
 Lab File: VX012787.D
 Acq: 03 Oct 2019 16:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ134I-20190930

Tgt Ion: 43 Resp: 1616
 Ion Ratio Lower Upper
 43 100
 58 178.5 29.8 44.6#

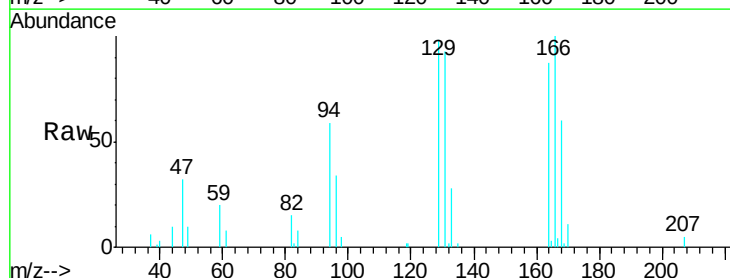


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

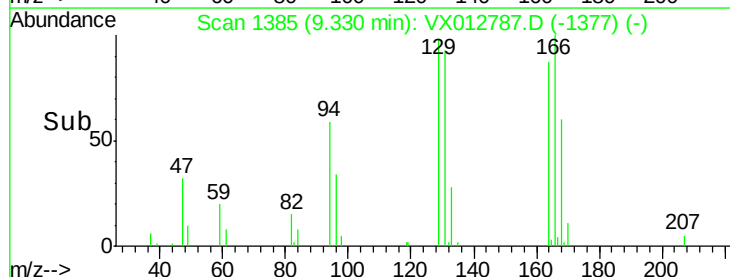
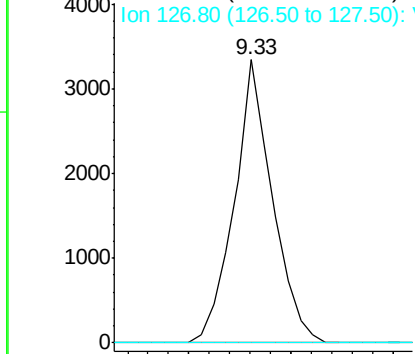


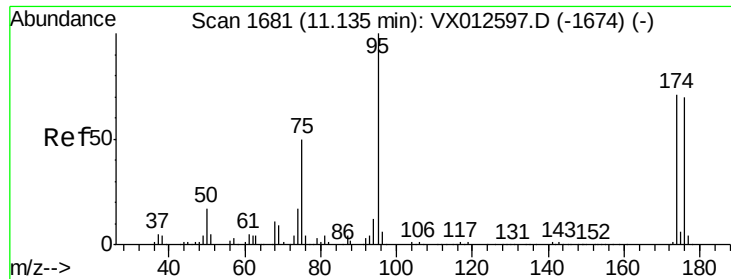
#60
 Dibromochloromethane
 Concen: 2.010 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.25 min
 Lab File: VX012787.D
 Acq: 03 Oct 2019 16:36

Tgt Ion: 129 Resp: 4327
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 44.681 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ134I-20190930

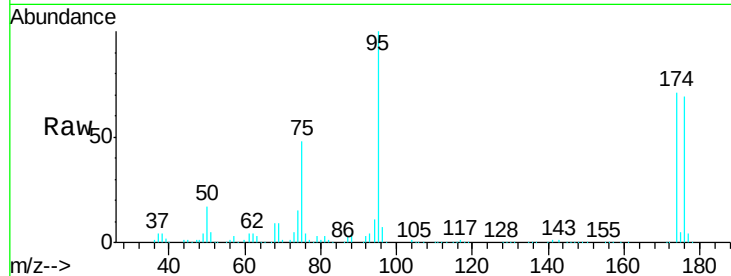
Tgt Ion: 95 Resp: 120916

Ion Ratio Lower Upper

95 100

174 70.0 0.0 140.0

176 67.0 0.0 135.4

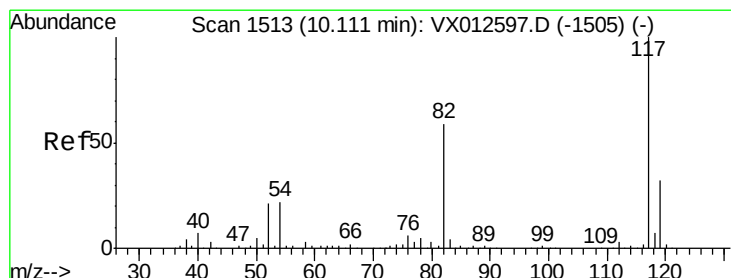
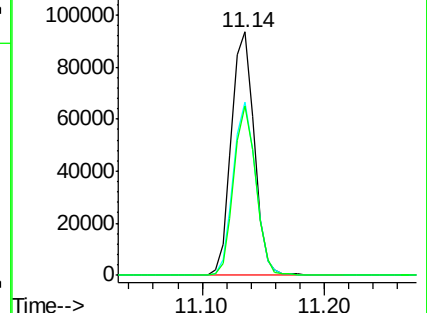
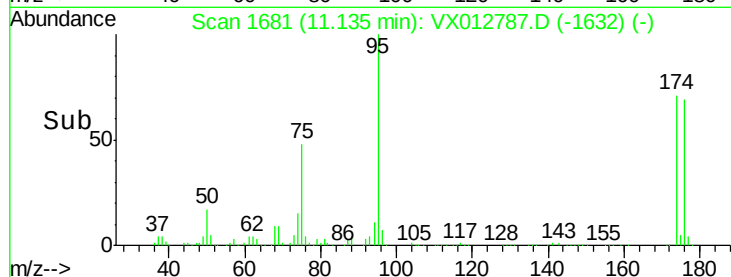


Abundance Ion 94.90 (94.60 to 95.60): VX012597.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012597.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012597.D (-1674) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

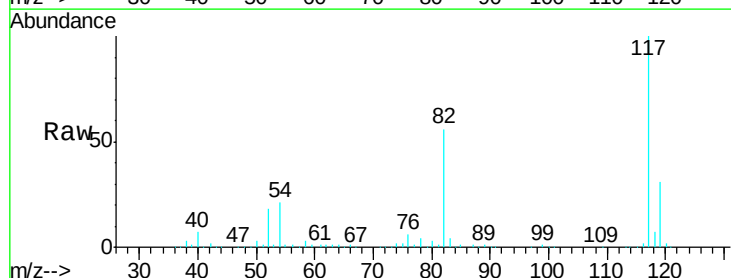
Tgt Ion: 117 Resp: 257688

Ion Ratio Lower Upper

117 100

82 56.3 45.9 68.9

119 31.3 25.3 37.9

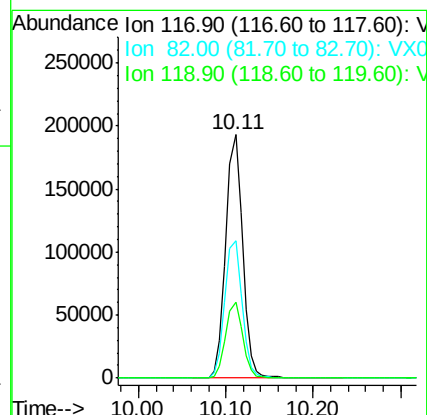
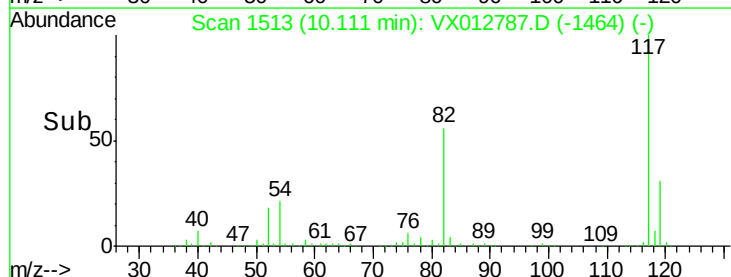


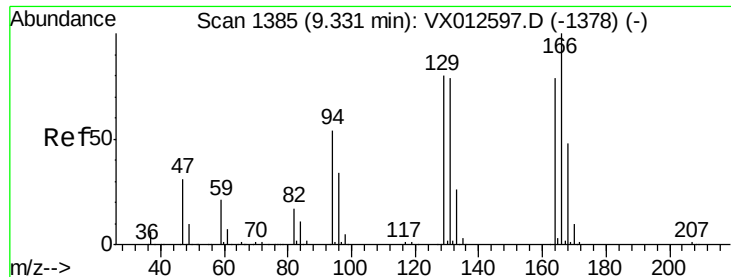
Abundance Ion 116.90 (116.60 to 117.60): VX012597.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012597.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012597.D (-1505) (-)

Time-->





#64

Tetrachloroethene

Concen: 2.466 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ134I-20190930

Tgt Ion:164 Resp: 4430

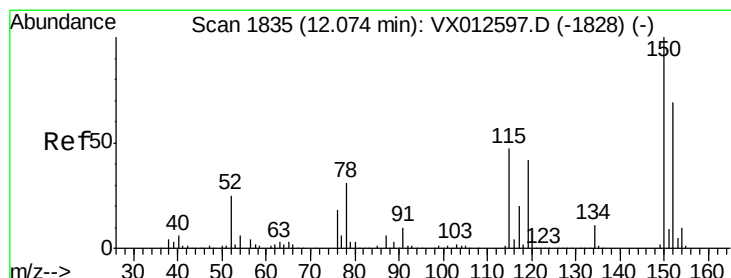
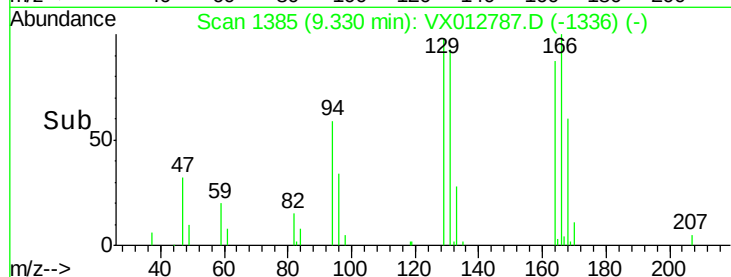
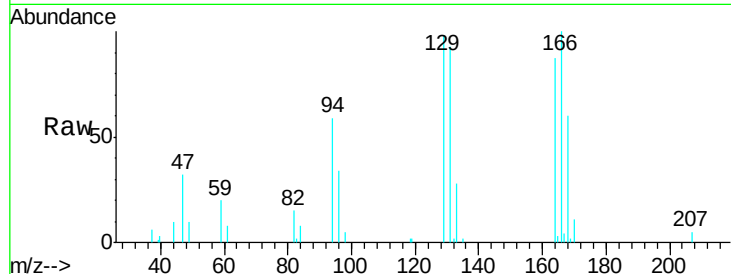
Ion Ratio Lower Upper

164 100

166 114.9 107.8 161.6

129 112.3 86.2 129.2

131 106.7 80.4 120.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

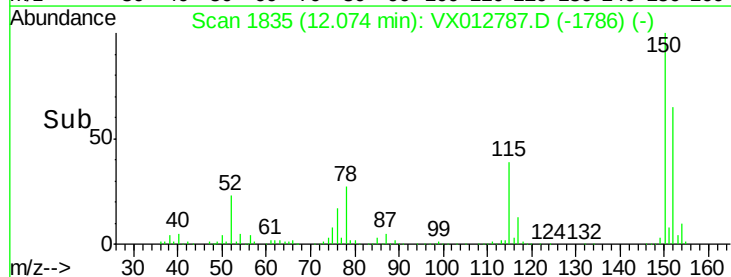
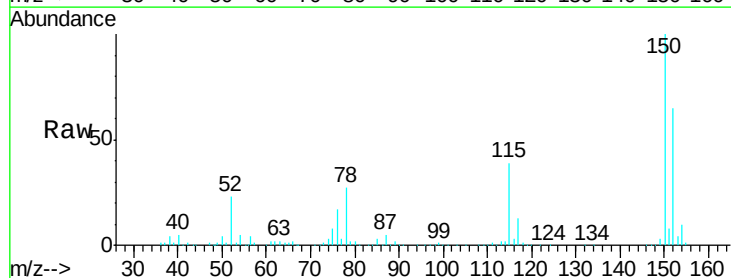
Tgt Ion:152 Resp: 100448

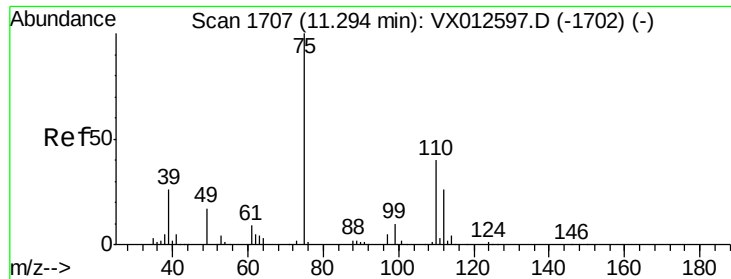
Ion Ratio Lower Upper

152 100

115 63.5 44.1 132.3

150 158.0 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 22.417 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

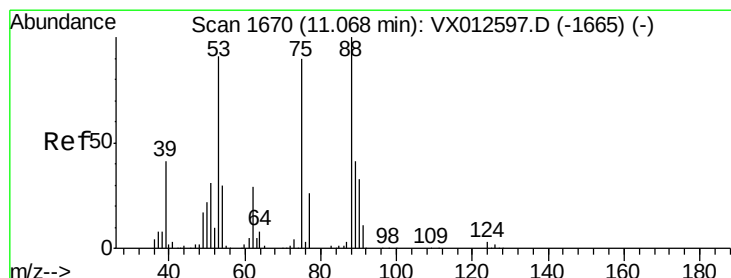
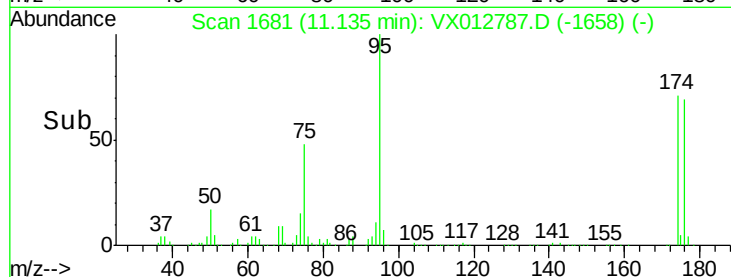
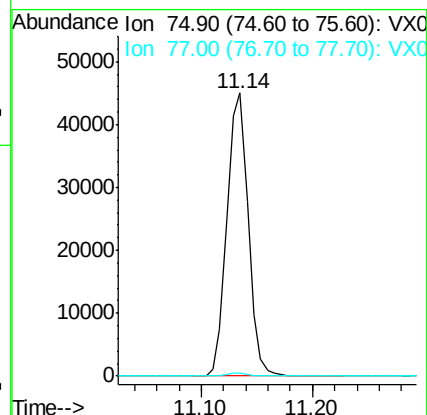
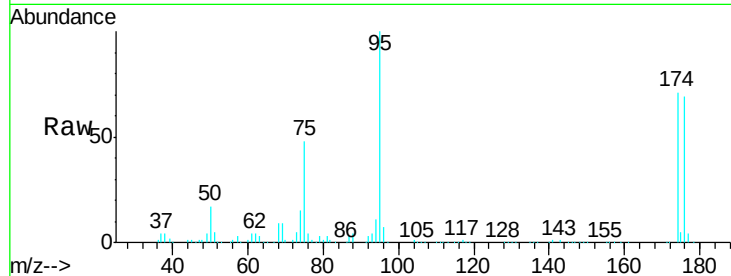
SA-PZ134I-20190930

Tgt Ion: 75 Resp: 59565

Ion Ratio Lower Upper

75 100

77 1.1 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.243 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

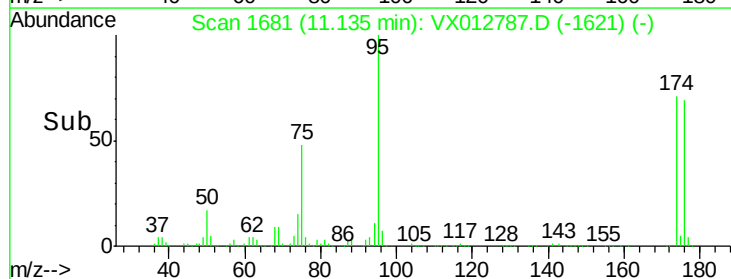
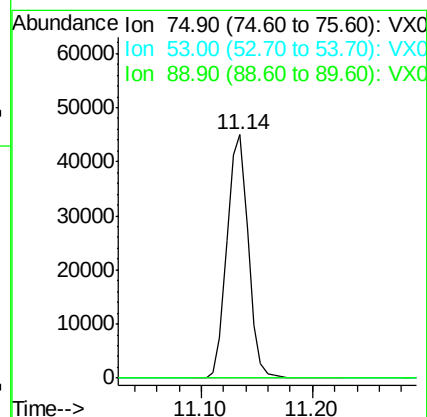
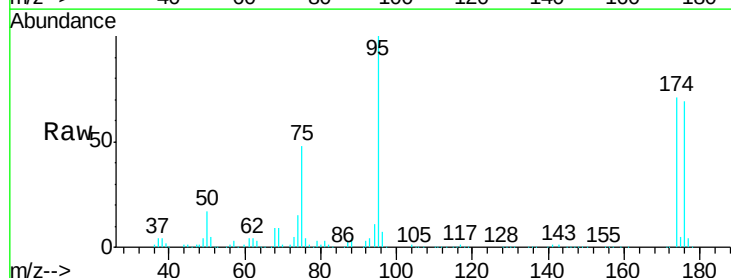
Tgt Ion: 75 Resp: 59565

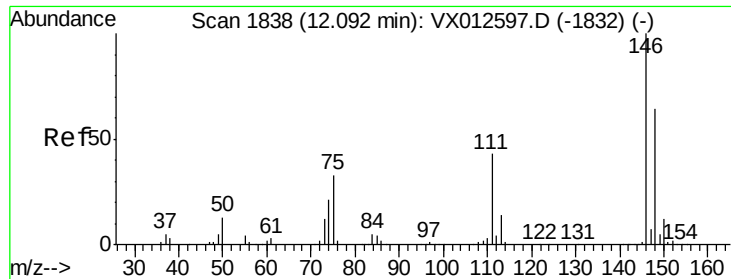
Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: 0.311 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX012787.D

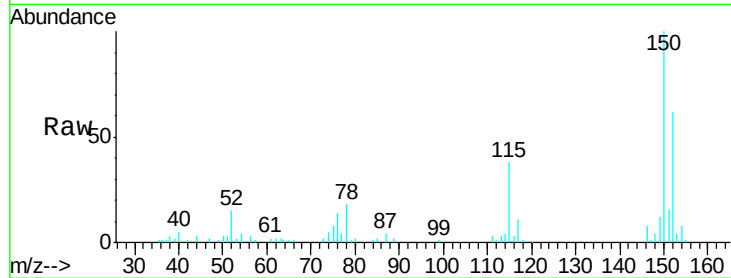
Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ134I-20190930



Tgt Ion:	146	Resp:	1048
Ion	Ratio	Lower	Upper
146	100		
111	175.3	21.1	63.3#
148	89.5	32.1	96.5

