

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
 Data File : VX012788.D
 Acq On : 03 Oct 2019 17:00
 Operator : JC/SP
 Sample : K5189-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ13311-20190930

Quant Time: Oct 04 06:50:26 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	169226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	293153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95199	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	117553	47.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.40%		
35) Dibromofluoromethane	5.49	113	88078	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.90%		
50) Toluene-d8	8.71	98	344963	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.62%		
62) 4-Bromofluorobenzene	11.14	95	115814	43.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.62%		

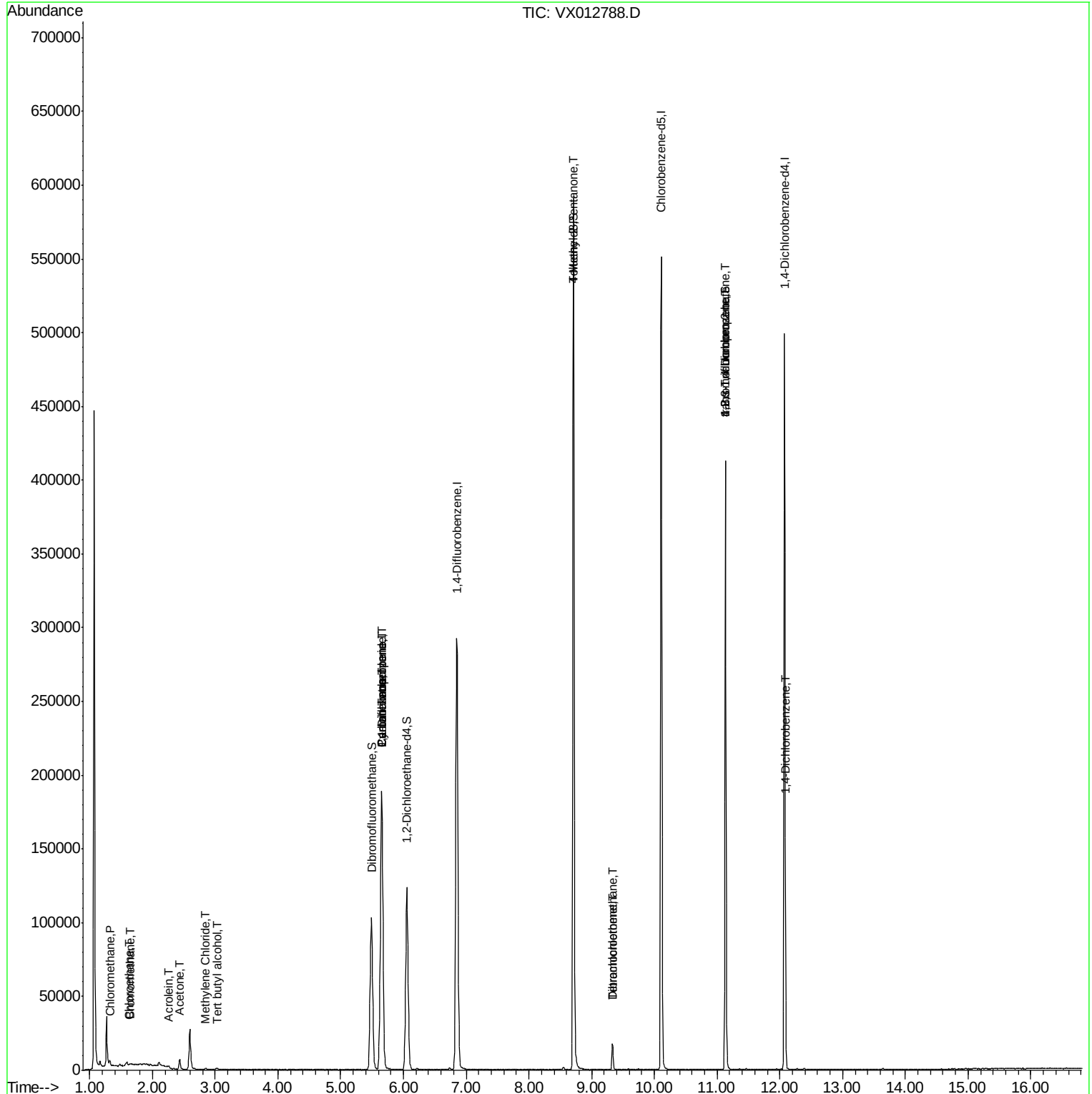
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1467	0.671	ug/l	96
5) Bromomethane	1.65	94	361	0.423	ug/l #	59
6) Chloroethane	1.62	64	2489	1.699	ug/l #	45
11) Tert butyl alcohol	3.03	59	944	1.533	ug/l	96
13) Acrolein	2.25	56	98	10.507	ug/l #	1
16) Acetone	2.44	43	7209	5.523	ug/l	93
20) Methylene Chloride	2.84	84	477	0.216	ug/l #	86
31) Cyclohexane	5.65	56	3749	1.093	ug/l #	7
36) 1,1-Dichloropropene	5.65	75	14200	5.025	ug/l #	52
38) Carbon Tetrachloride	5.65	117	17707	6.169	ug/l #	18
51) 4-Methyl-2-Pentanone	8.71	43	1703	0.499	ug/l #	1
60) Dibromochloromethane	9.33	129	3380	1.607	ug/l #	11
64) Tetrachloroethene	9.33	164	3275	1.898	ug/l #	87
76) 1,2,3-Trichloropropane	11.14	75	59369	23.576	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	59369	67.562	ug/l #	8
88) 1,4-Dichlorobenzene	12.09	146	1247	0.391	ug/l #	15

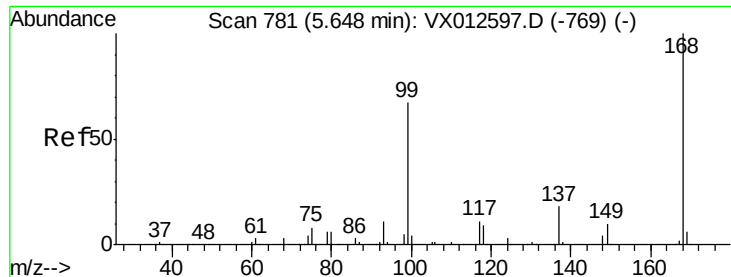
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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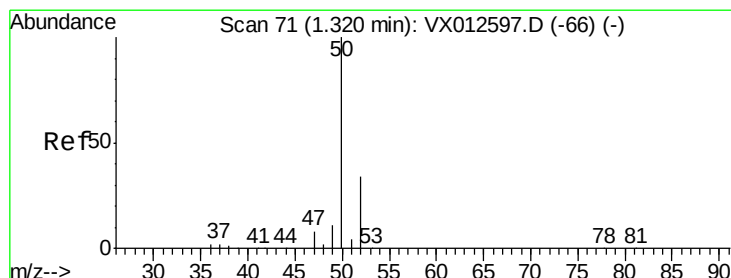
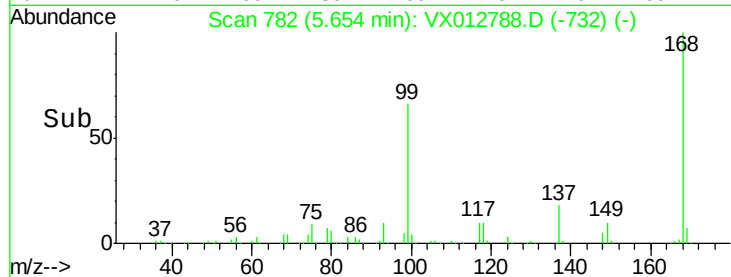
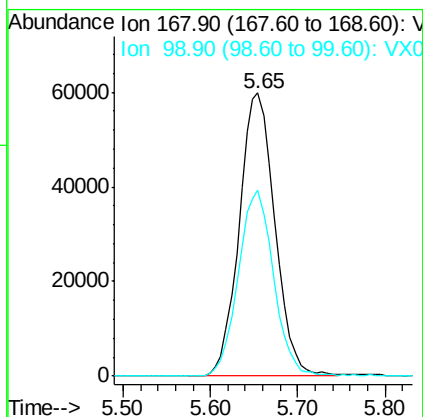
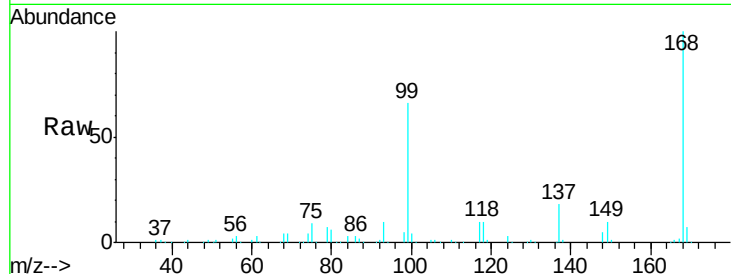




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX012788.D
Acq: 03 Oct 2019 17:00

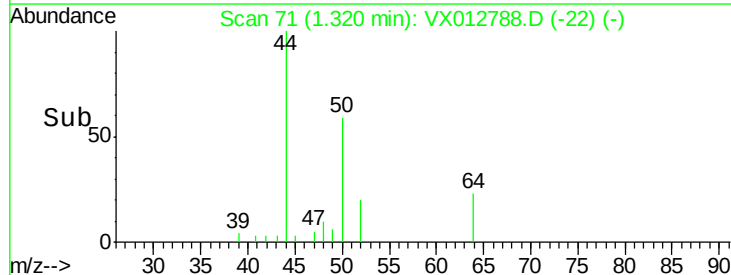
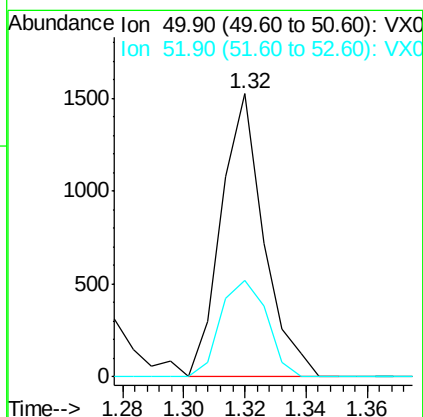
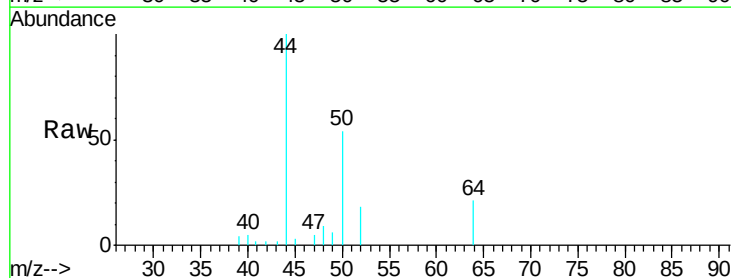
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ13311-20190930

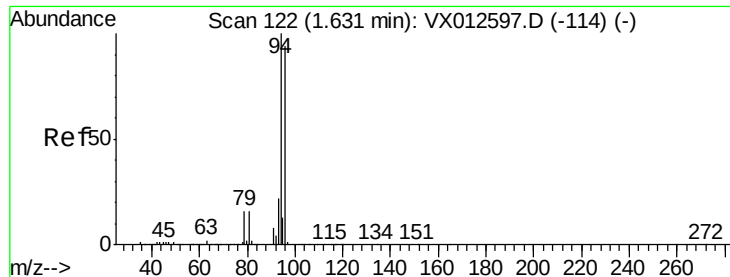
Tgt Ion: 168 Resp: 169226
Ion Ratio Lower Upper
168 100
99 65.9 51.4 77.2



#3
Chloromethane
Concen: 0.671 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012788.D
Acq: 03 Oct 2019 17:00

Tgt Ion: 50 Resp: 1467
Ion Ratio Lower Upper
50 100
52 34.2 25.7 38.5





#5

Bromomethane

Concen: 0.423 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012788.D

Acq: 03 Oct 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

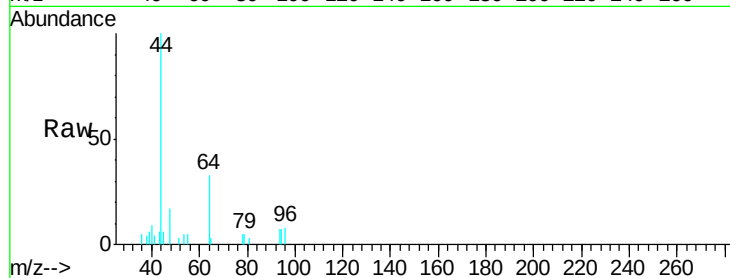
SA-PZ13311-20190930

Tgt Ion: 94 Resp: 361

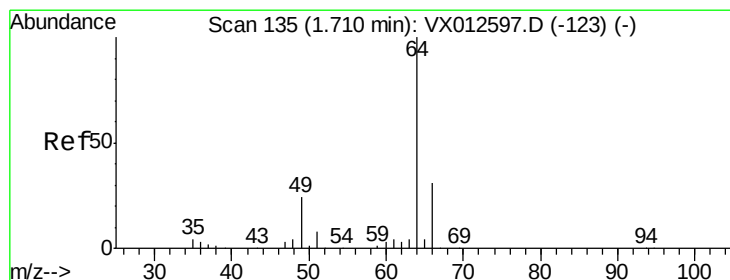
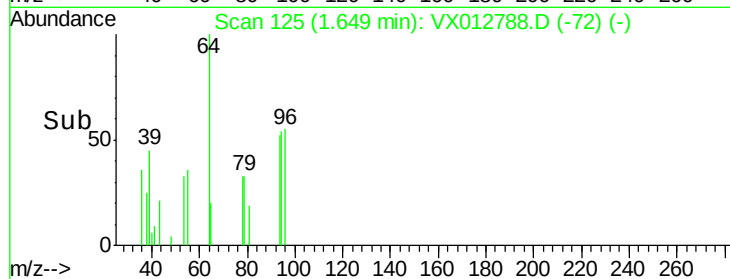
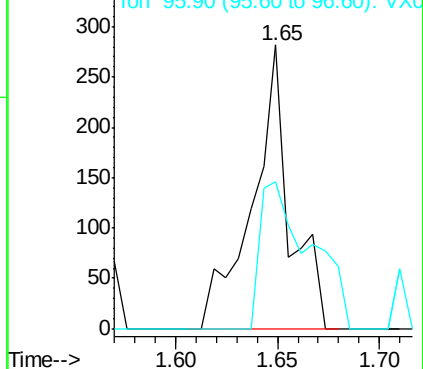
Ion Ratio Lower Upper

94 100

96 51.8 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 1.699 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.09 min

Lab File: VX012788.D

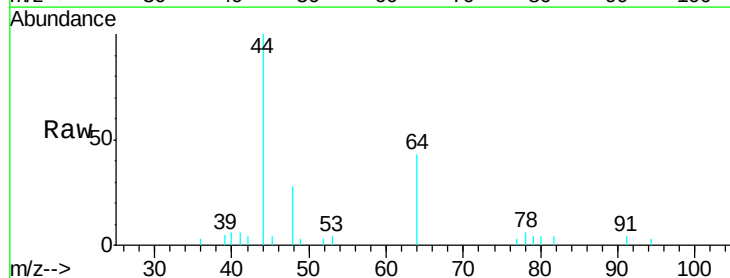
Acq: 03 Oct 2019 17:00

Tgt Ion: 64 Resp: 2489

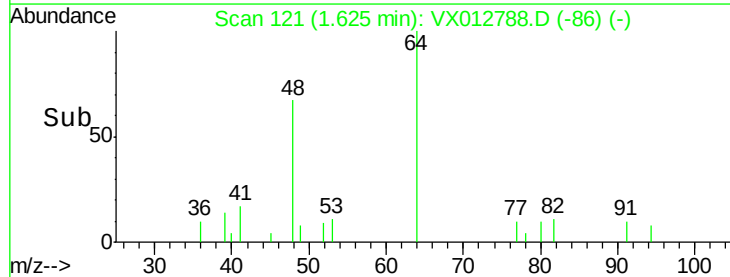
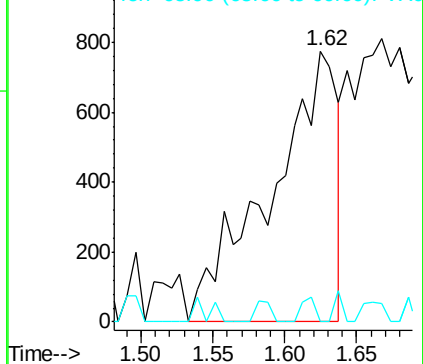
Ion Ratio Lower Upper

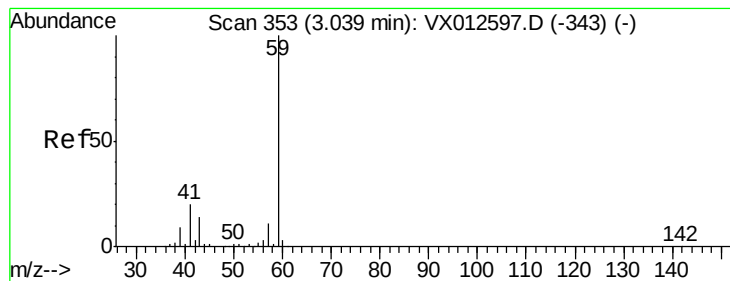
64 100

66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0



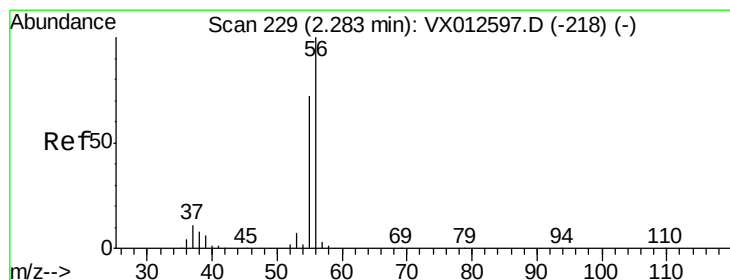
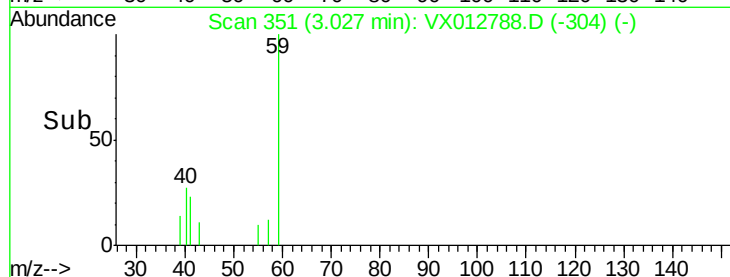
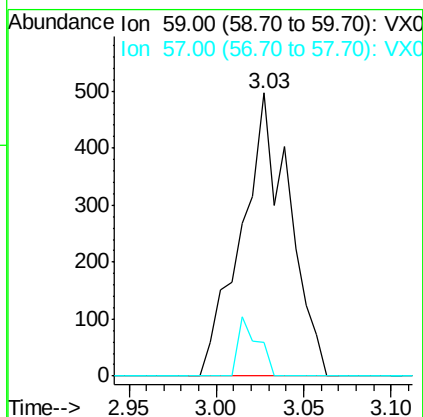
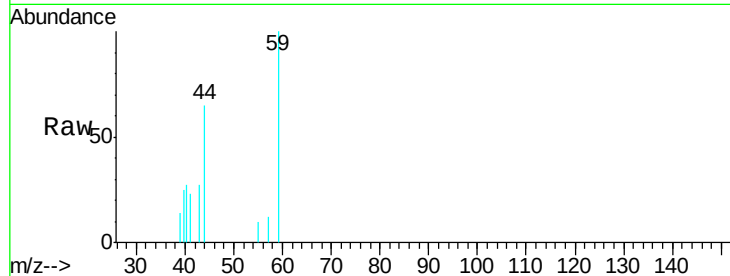


#11

Tert butyl alcohol
Concen: 1.533 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012788.D
Acq: 03 Oct 2019 17:00

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ13311-20190930

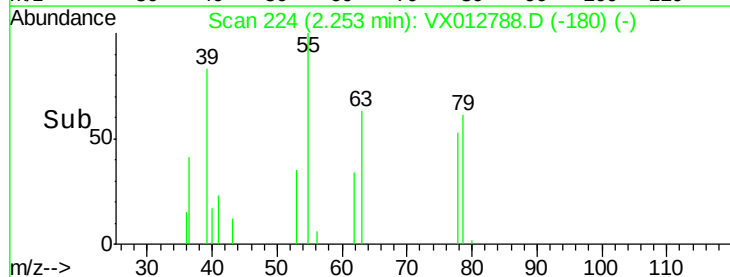
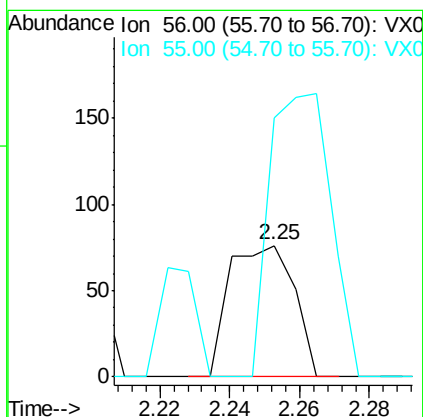
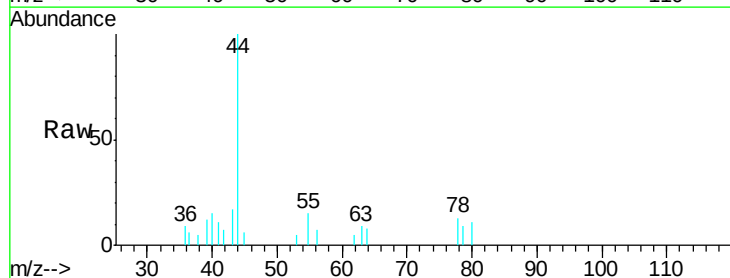
Tgt Ion: 59 Resp: 944
Ion Ratio Lower Upper
59 100
57 8.8 8.3 12.5

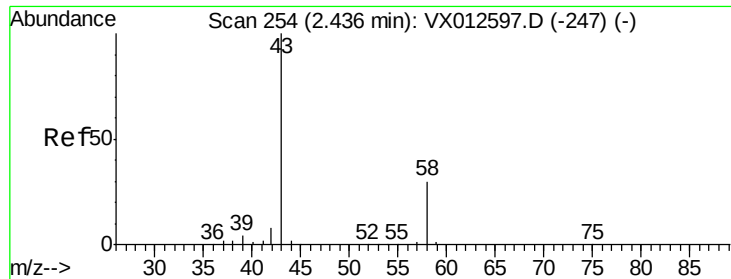


#13

Acrolein
Concen: 10.507 ug/l
RT: 2.25 min Scan# 224
Delta R.T. -0.03 min
Lab File: VX012788.D
Acq: 03 Oct 2019 17:00

Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
55 204.1 55.8 83.8#





#16

Acetone

Concen: 5.523 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012788.D

Acq: 03 Oct 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

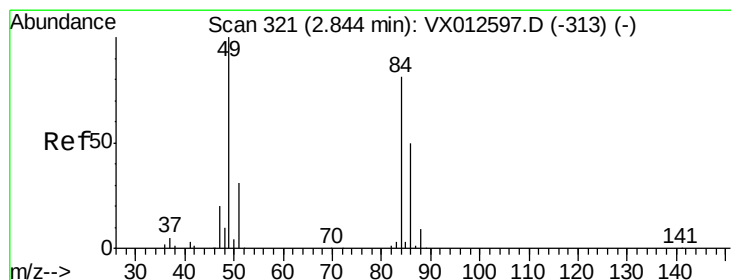
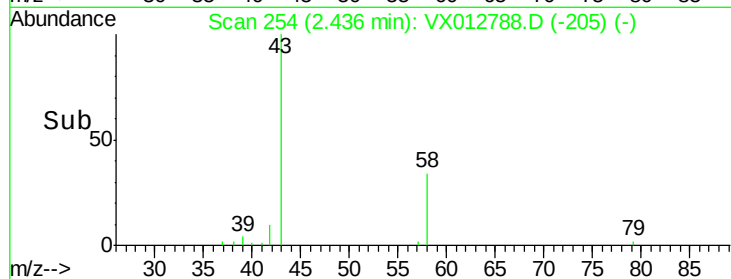
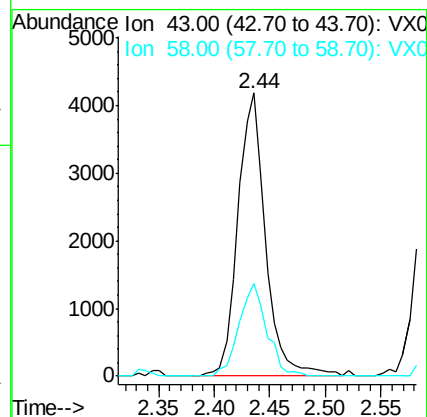
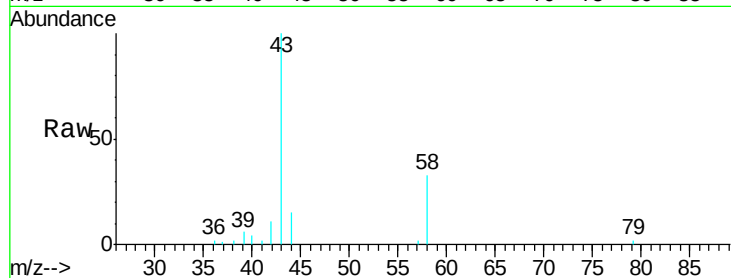
SA-PZ13311-20190930

Tgt Ion: 43 Resp: 7209

Ion Ratio Lower Upper

43 100

58 32.9 23.3 34.9



#20

Methylene Chloride

Concen: 0.216 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012788.D

Acq: 03 Oct 2019 17:00

Tgt Ion: 84 Resp: 477

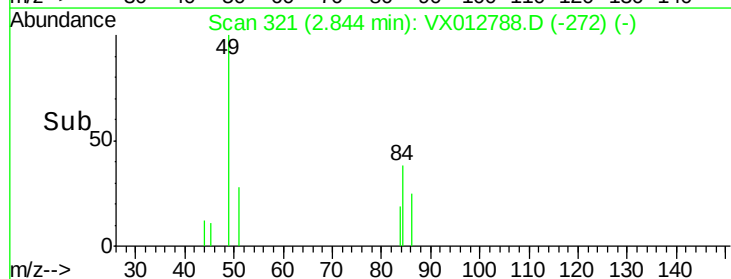
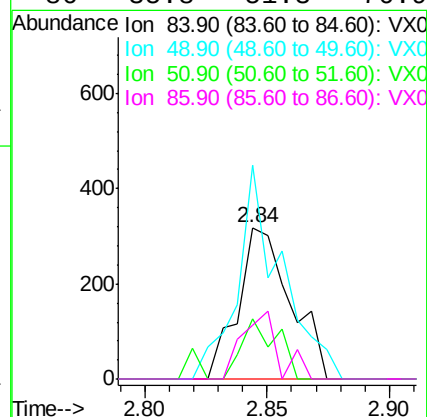
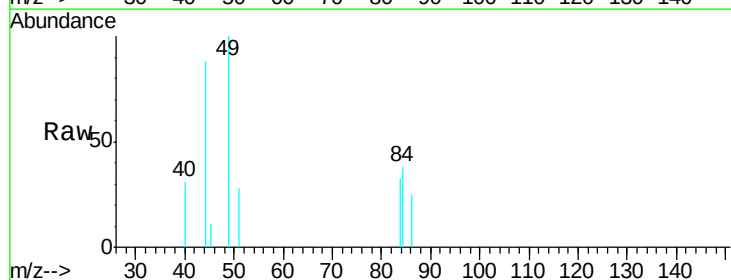
Ion Ratio Lower Upper

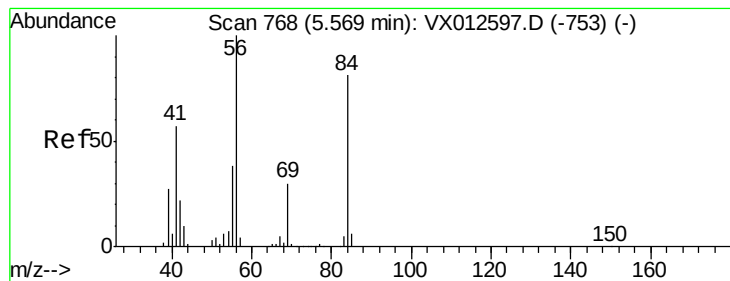
84 100

49 141.2 106.8 160.2

51 39.6 32.3 48.5

86 35.8 51.3 76.9#





#31

Cyclohexane

Concen: 1.093 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012788.D

Acq: 03 Oct 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ13311-20190930

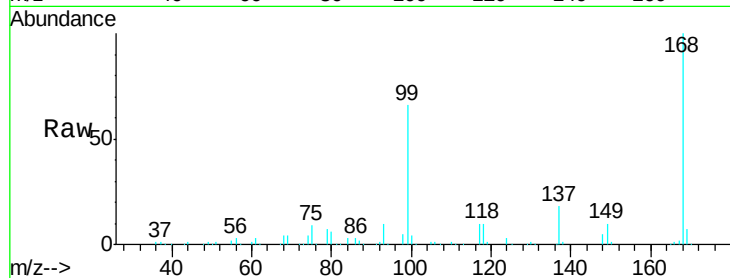
Tgt Ion: 56 Resp: 3749

Ion Ratio Lower Upper

56 100

69 150.4 25.0 37.6#

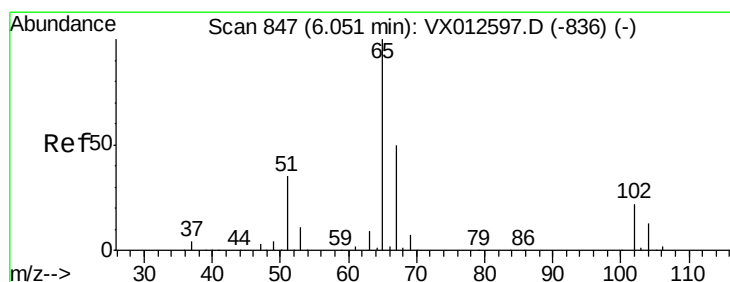
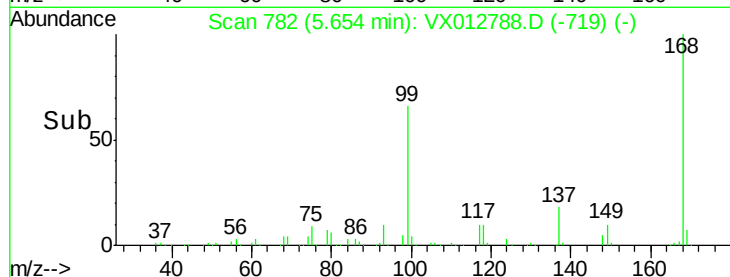
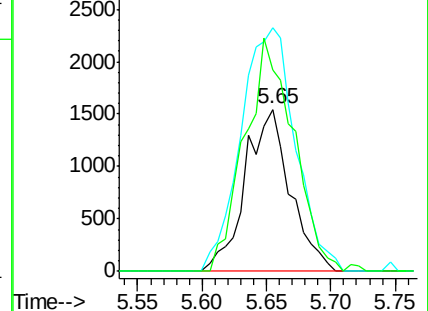
84 124.5 66.4 99.6#



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: 47.703 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012788.D

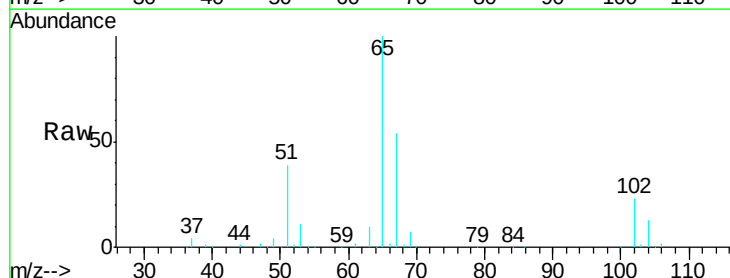
Acq: 03 Oct 2019 17:00

Tgt Ion: 65 Resp: 117553

Ion Ratio Lower Upper

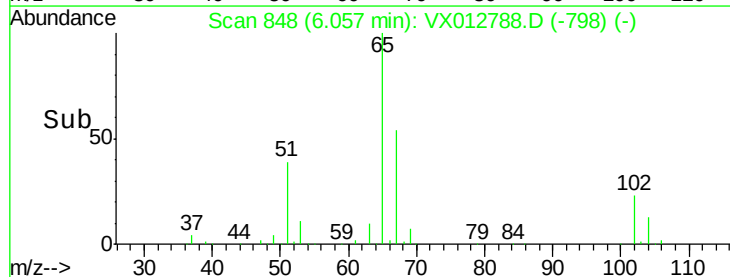
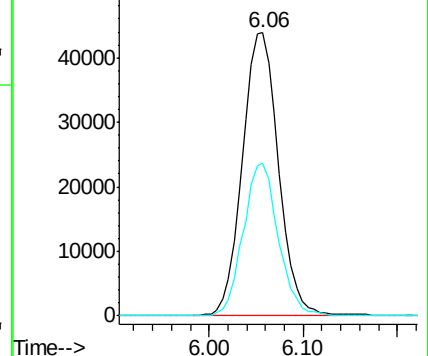
65 100

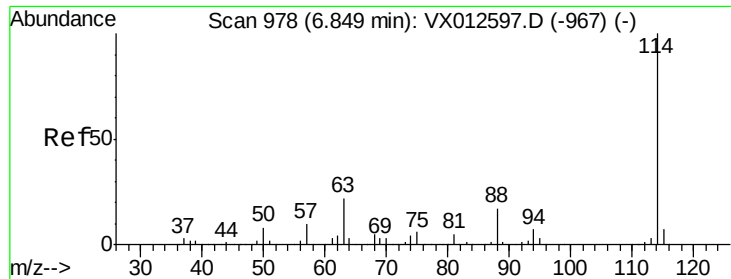
67 52.4 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

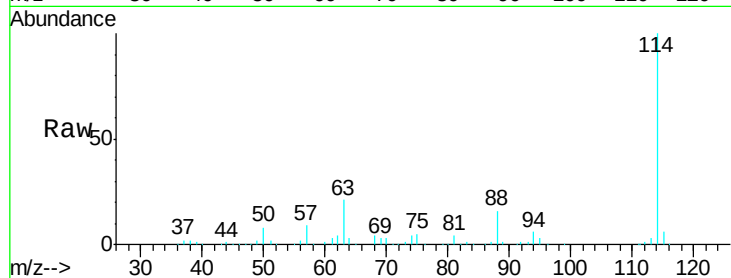




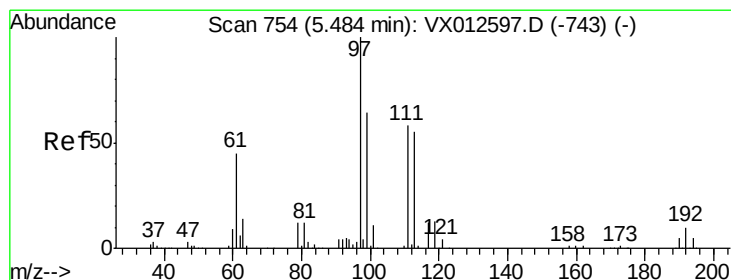
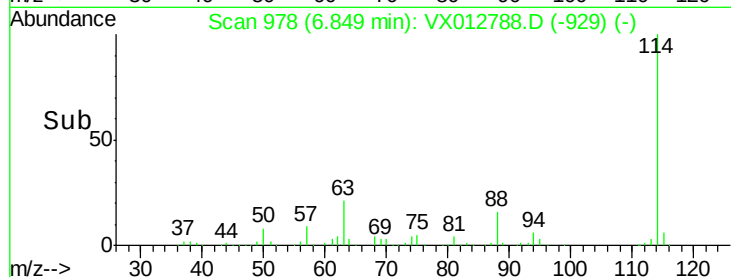
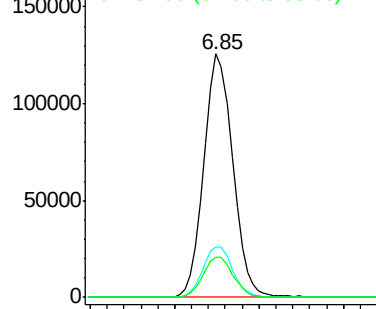
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012788.D
 Acq: 03 Oct 2019 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ13311-20190930

Tgt Ion:114 Resp: 293153
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 16.4 0.0 33.2

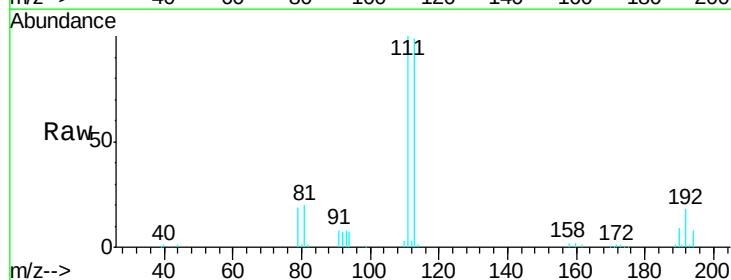


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

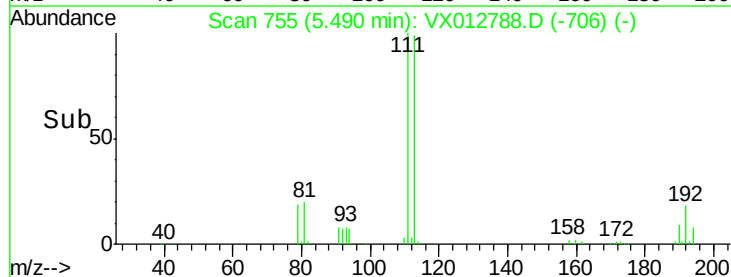
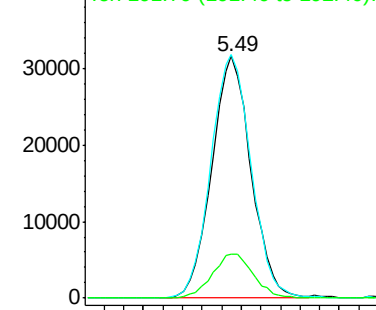


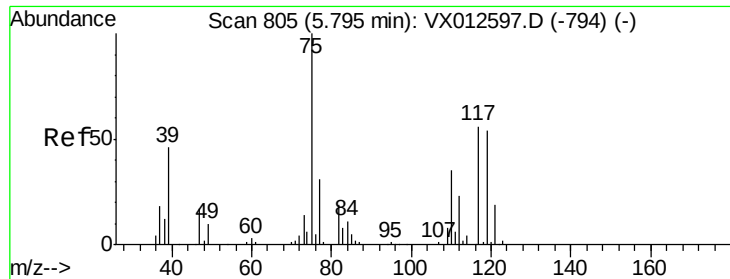
#35
 Dibromofluoromethane
 Concen: 50.450 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012788.D
 Acq: 03 Oct 2019 17:00

Tgt Ion:113 Resp: 88078
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.4 125.2
 192 19.0 14.4 21.6



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

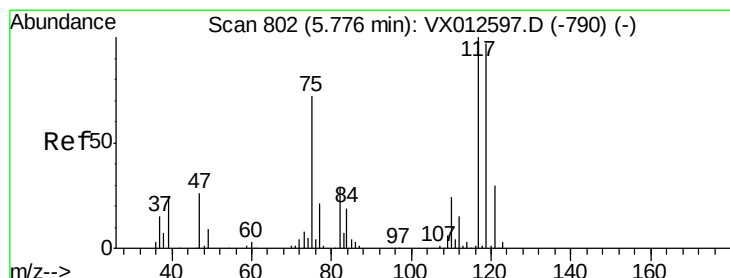
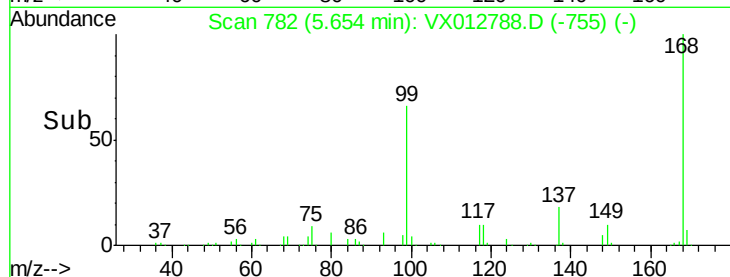
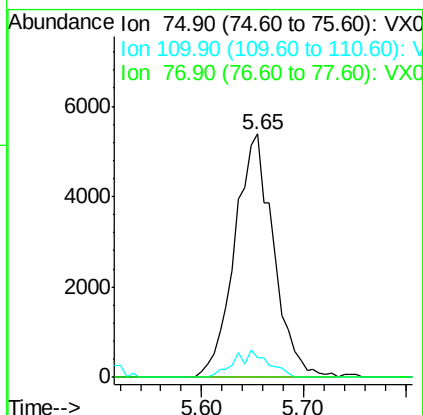
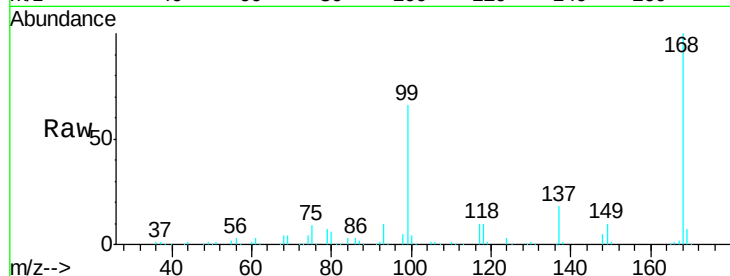




#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012788.D
 Acq: 03 Oct 2019 17:00

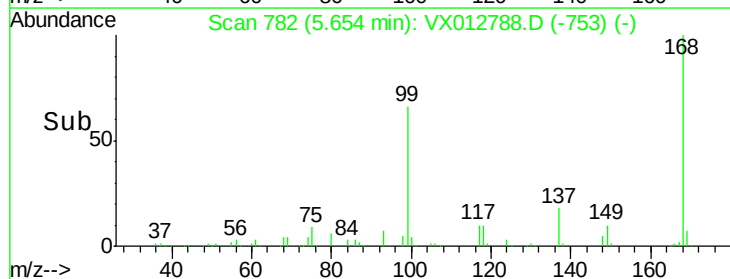
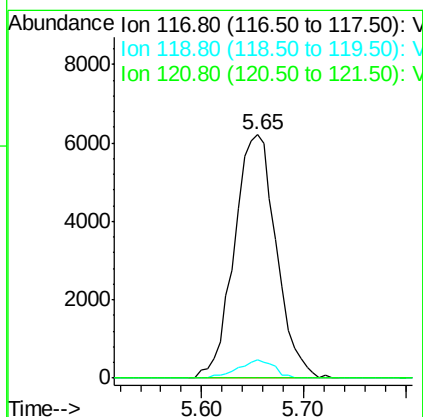
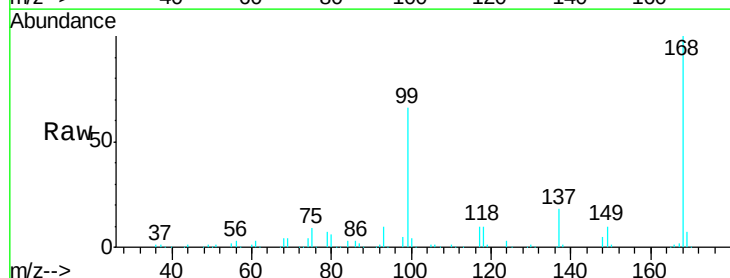
Instrument :
 MSVOA_X
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 SA-PZ13311-20190930

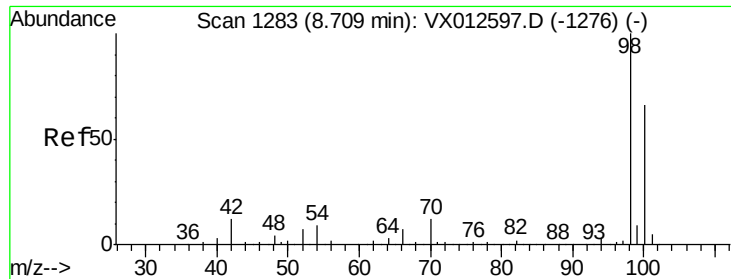
Tgt Ion: 75 Resp: 14200
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.169 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012788.D
 Acq: 03 Oct 2019 17:00

Tgt Ion: 117 Resp: 17707
 Ion Ratio Lower Upper
 117 100
 119 7.4 75.7 113.5#
 121 0.0 24.2 36.4#

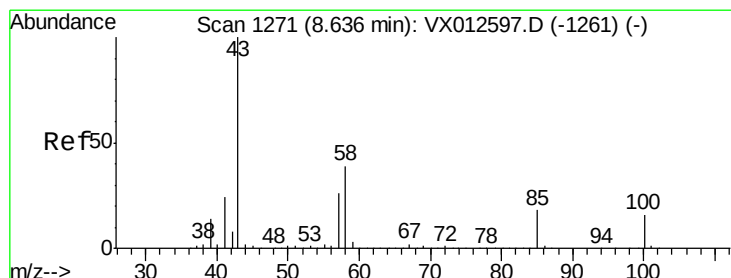
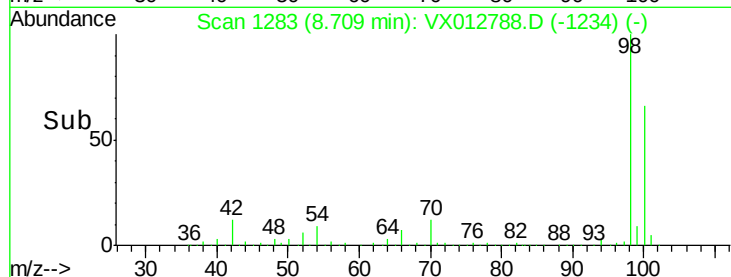
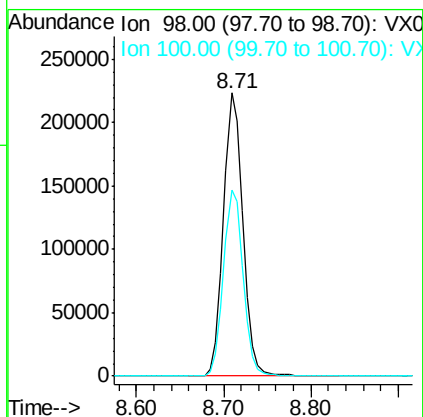
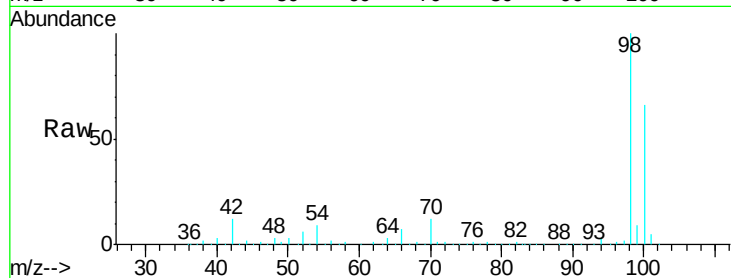




#50
Toluene-d8
Concen: 51.308 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012788.D
Acq: 03 Oct 2019 17:00

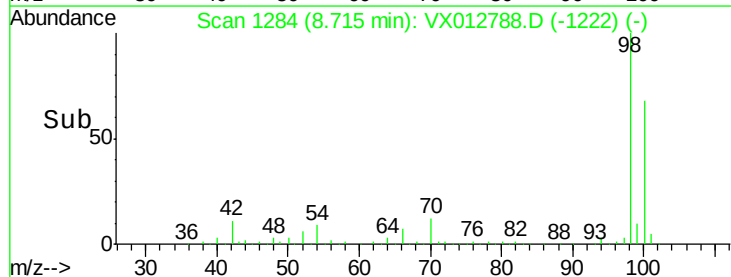
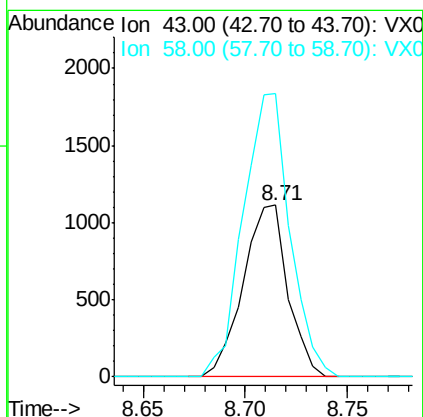
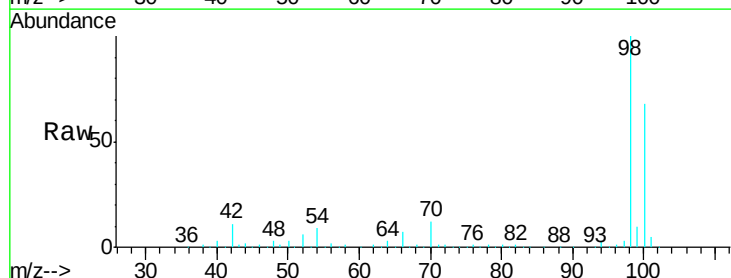
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ133I1-20190930

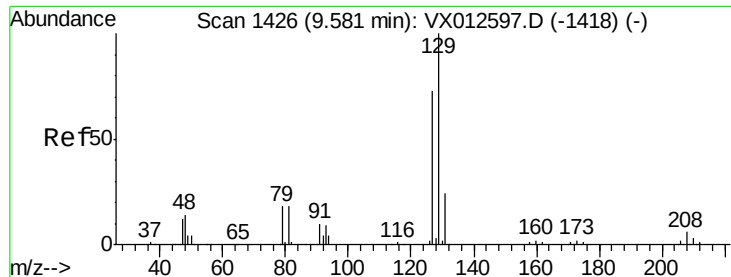
Tgt Ion: 98 Resp: 344963
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.499 ug/l
RT: 8.71 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX012788.D
Acq: 03 Oct 2019 17:00

Tgt Ion: 43 Resp: 1703
Ion Ratio Lower Upper
43 100
58 171.8 29.8 44.6#





#60

Dibromochloromethane

Concen: 1.607 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012788.D

Acq: 03 Oct 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

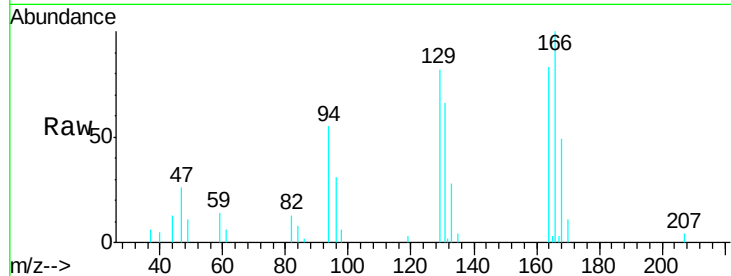
SA-PZ13311-20190930

Tgt Ion:129 Resp: 3380

Ion Ratio Lower Upper

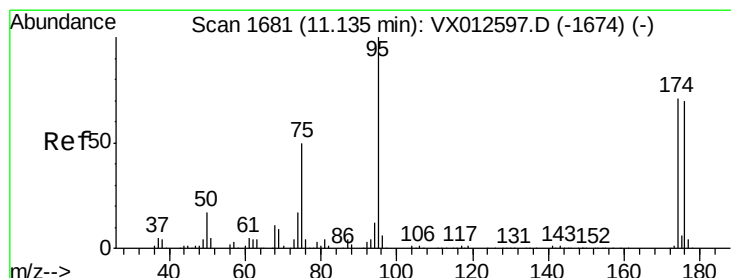
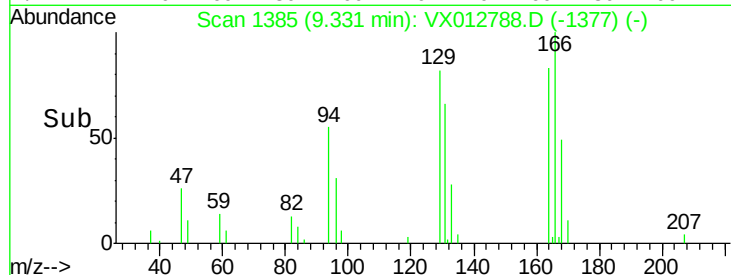
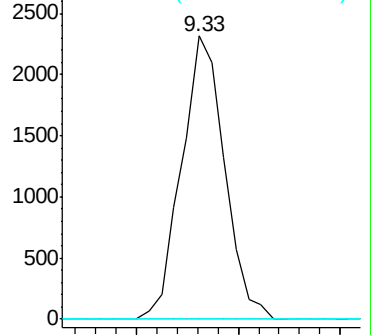
129 100

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: 43.808 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012788.D

Acq: 03 Oct 2019 17:00

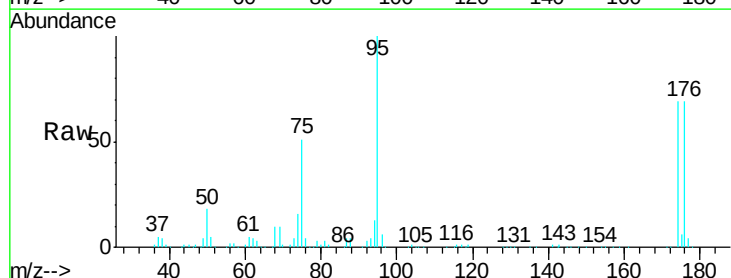
Tgt Ion: 95 Resp: 115814

Ion Ratio Lower Upper

95 100

174 69.3 0.0 140.0

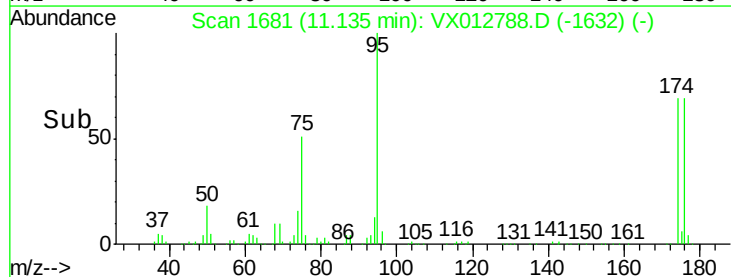
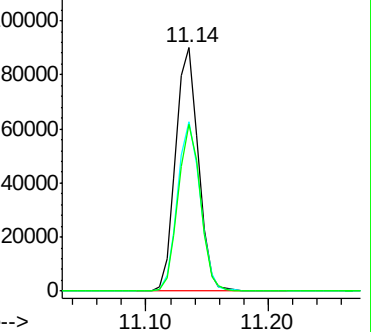
176 67.4 0.0 135.4

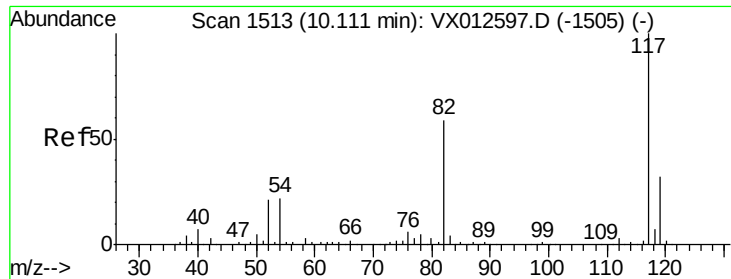


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

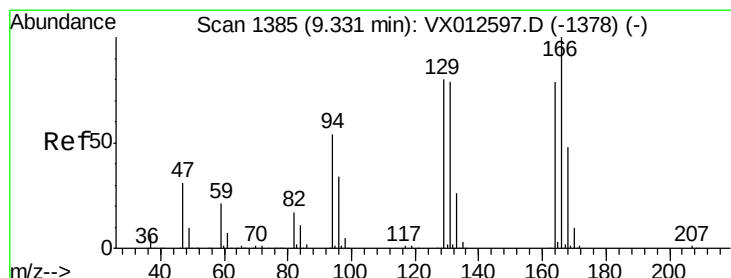
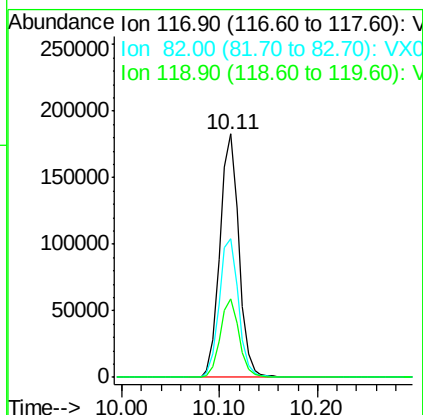
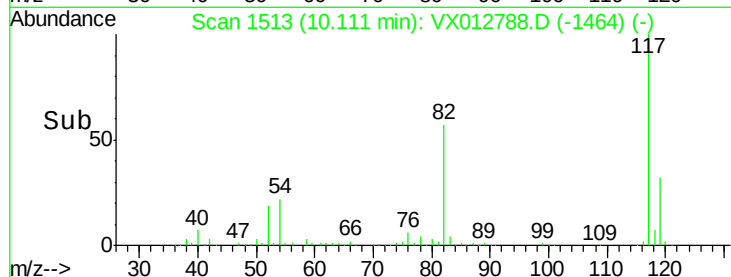
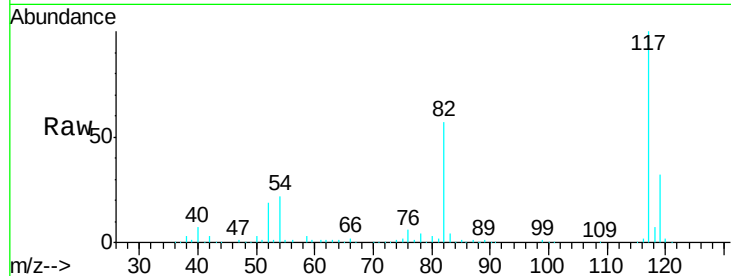




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012788.D
Acq: 03 Oct 2019 17:00

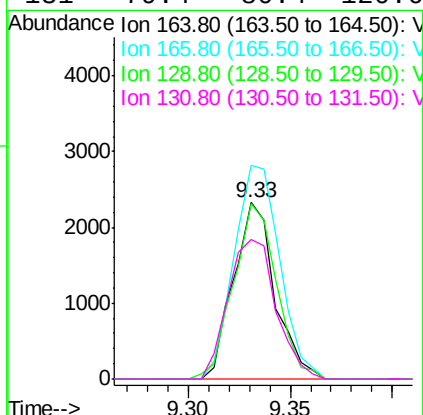
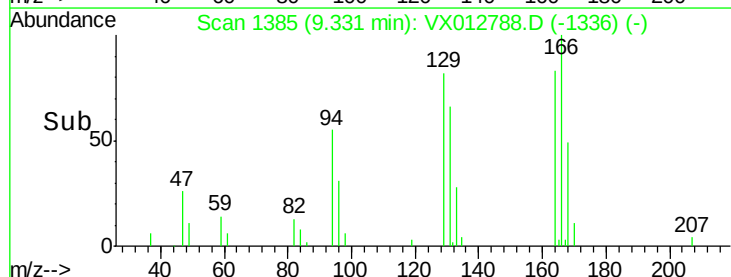
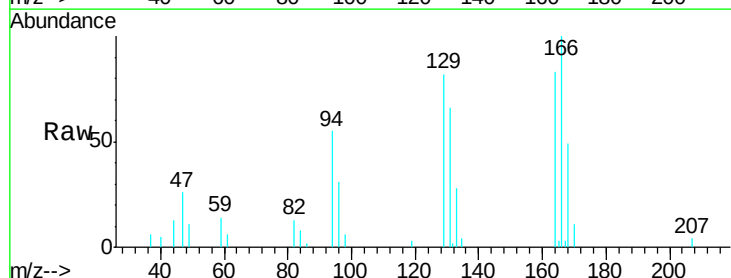
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ13311-20190930

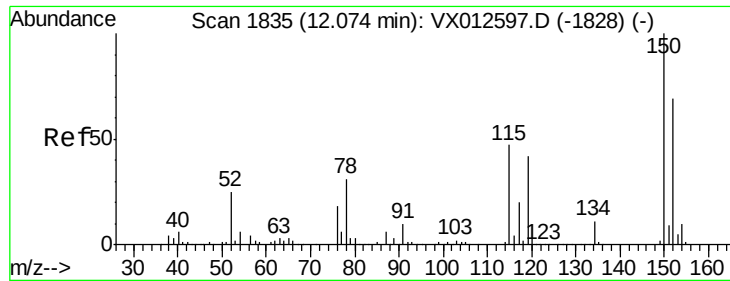
Tgt Ion:117 Resp: 247476
Ion Ratio Lower Upper
117 100
82 56.9 45.9 68.9
119 32.3 25.3 37.9



#64
Tetrachloroethene
Concen: 1.898 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012788.D
Acq: 03 Oct 2019 17:00

Tgt Ion:164 Resp: 3275
Ion Ratio Lower Upper
164 100
166 121.0 107.8 161.6
129 99.4 86.2 129.2
131 79.4 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: VX012788.D

Acq: 03 Oct 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ13311-20190930

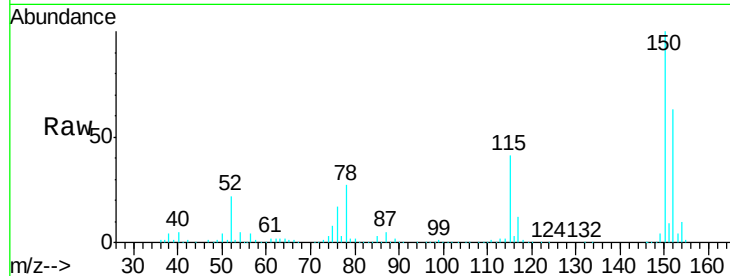
Tgt Ion:152 Resp: 95199

Ion Ratio Lower Upper

152 100

115 64.1 44.1 132.3

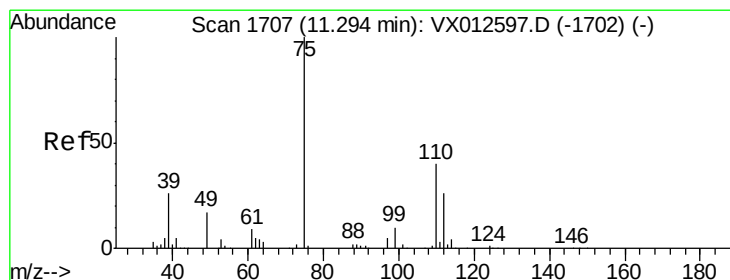
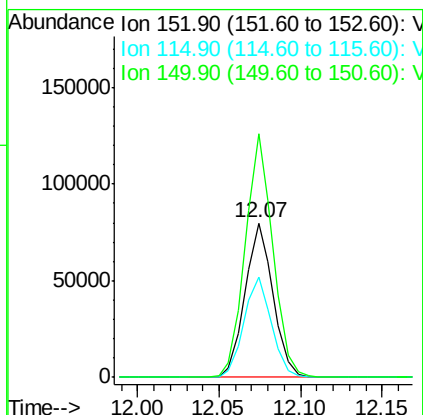
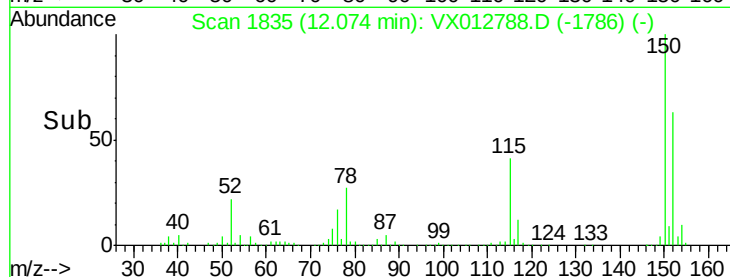
150 156.3 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.576 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012788.D

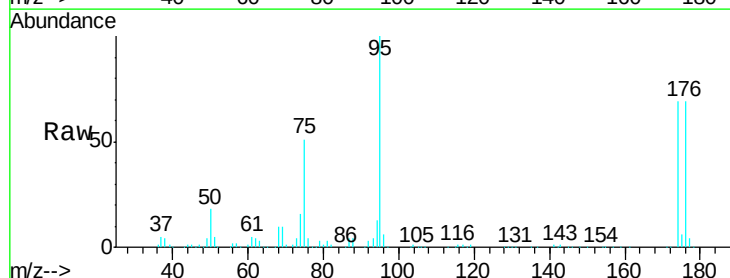
Acq: 03 Oct 2019 17:00

Tgt Ion: 75 Resp: 59369

Ion Ratio Lower Upper

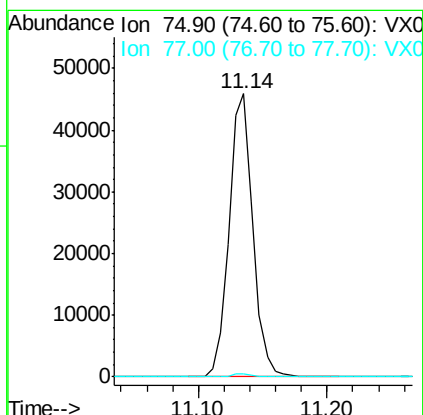
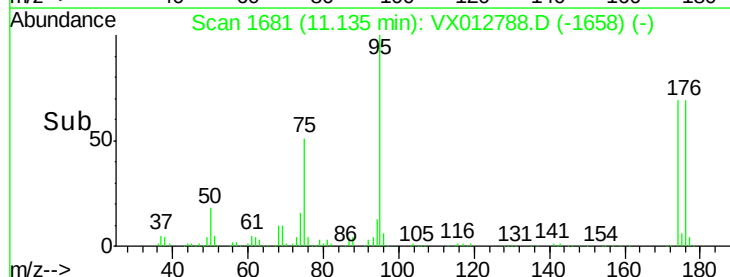
75 100

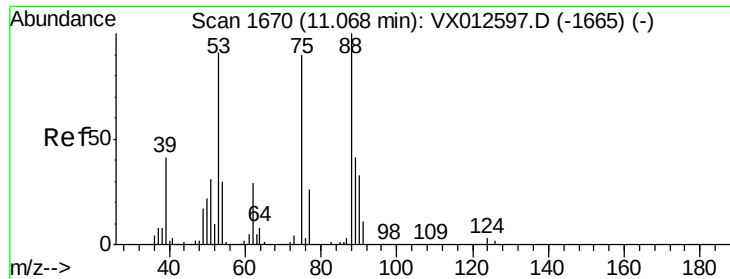
77 1.0 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.562 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012788.D

Acq: 03 Oct 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ13311-20190930

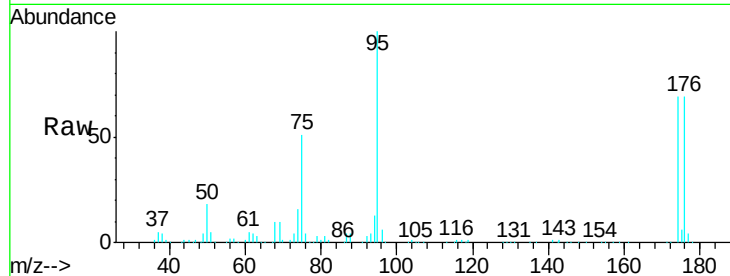
Tgt Ion: 75 Resp: 59369

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

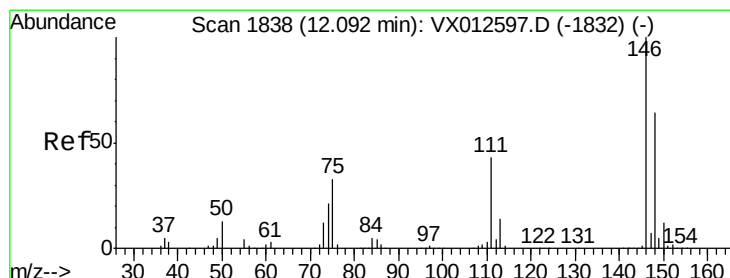
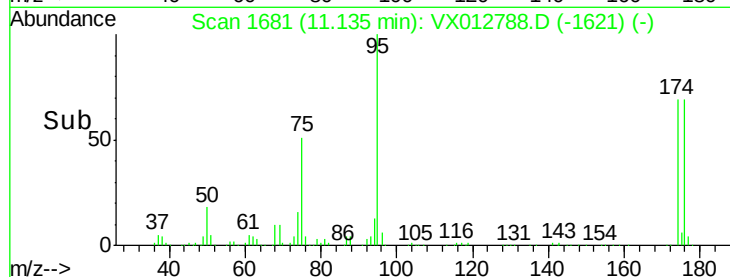
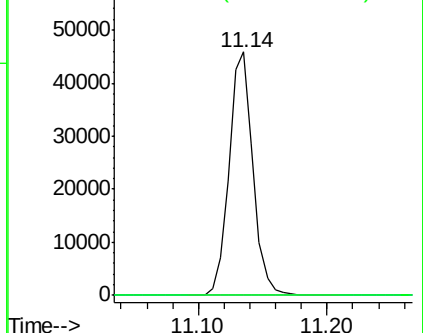
89 0.0 36.3 54.5#



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



#88

1,4-Dichlorobenzene

Concen: 0.391 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012788.D

Acq: 03 Oct 2019 17:00

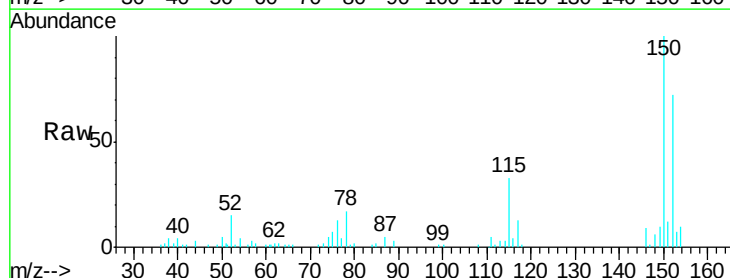
Tgt Ion: 146 Resp: 1247

Ion Ratio Lower Upper

146 100

111 141.0 21.1 63.3#

148 94.1 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

