

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012844.D
 Acq On : 07 Oct 2019 17:33
 Operator : JC/SP
 Sample : K5154-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:13:11 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	179288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100088	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	119322	45.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.40%	
35) Dibromofluoromethane	5.49	113	91603	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.90%	
50) Toluene-d8	8.71	98	358022	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.14	95	119803	43.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.14%	

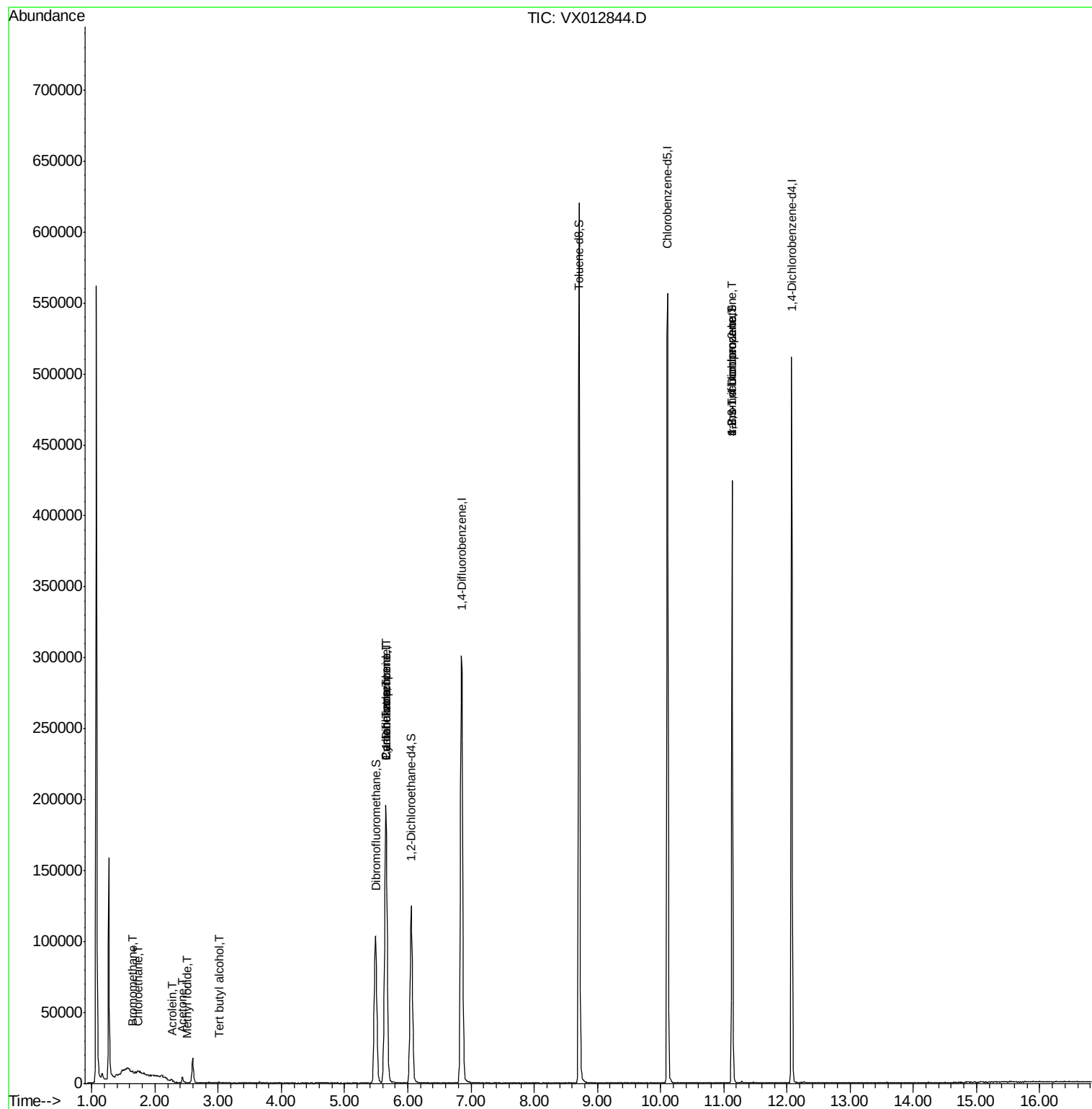
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	363	0.401	ug/l	98
6) Chloroethane	1.73	64	857	0.552	ug/l #	81
10) Methyl Iodide	2.51	142	94	4.994	ug/l #	35
11) Tert butyl alcohol	3.01	59	557	0.854	ug/l #	72
13) Acrolein	2.28	56	23	10.294	ug/l #	1
16) Acetone	2.43	43	3827	2.767	ug/l	98
31) Cyclohexane	5.65	56	3693	1.016	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14499	4.934	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18940	6.345	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	61230	23.127	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	61230	66.276	ug/l #	8

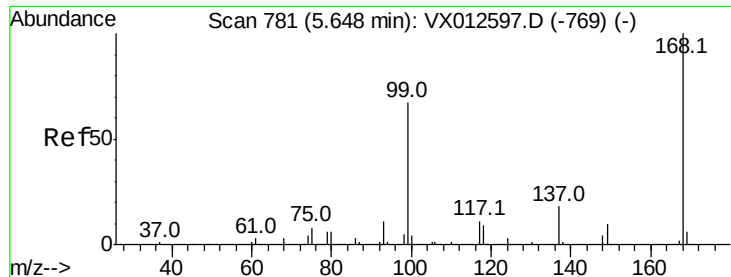
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012844.D

Acq: 07 Oct 2019 17:33

Instrument :

MSVOA_X

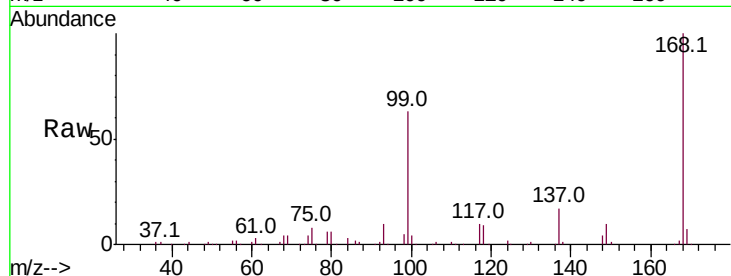
ClientSampleId :

Tot Ion:168 Resp: 179288

Ion Ratio Lower Upper

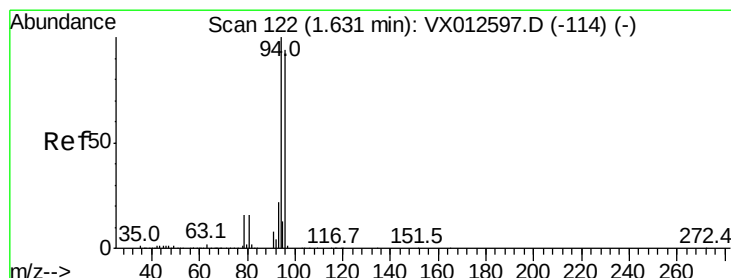
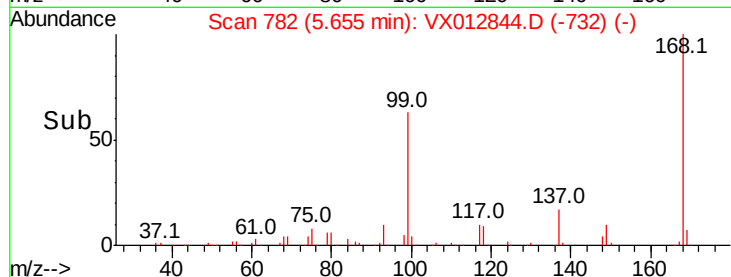
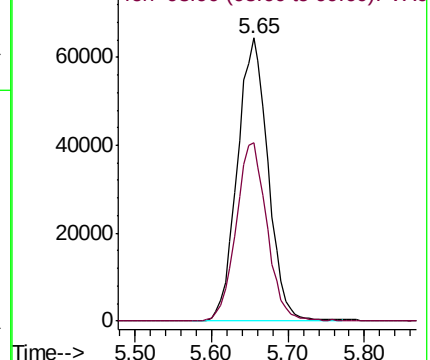
168 100

99 62.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.401 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012844.D

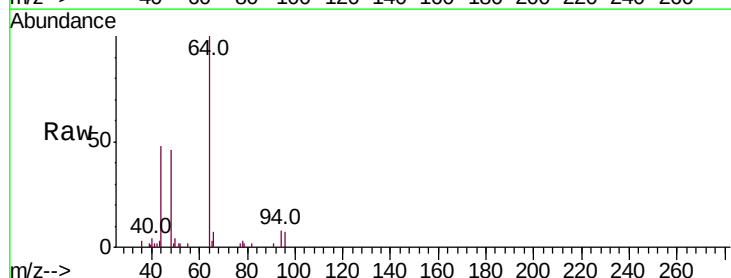
Acq: 07 Oct 2019 17:33

Tgt Ion: 94 Resp: 363

Ion Ratio Lower Upper

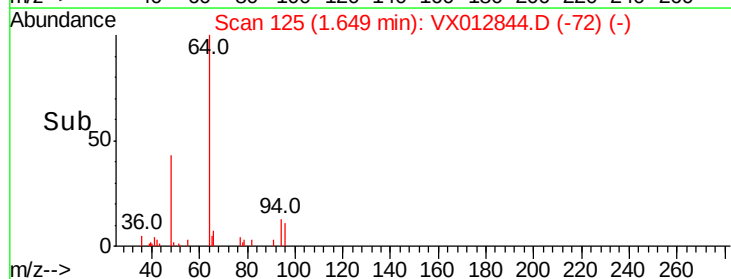
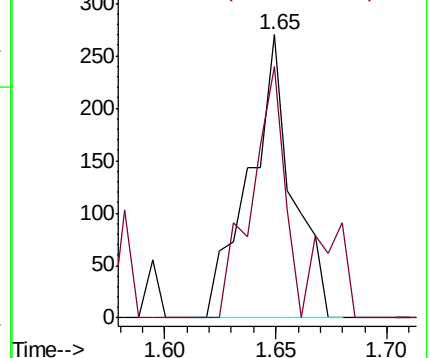
94 100

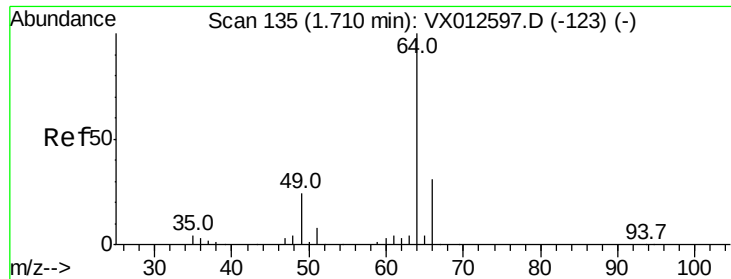
96 88.9 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.552 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012844.D

Acq: 07 Oct 2019 17:33

Instrument :

MSVOA_X

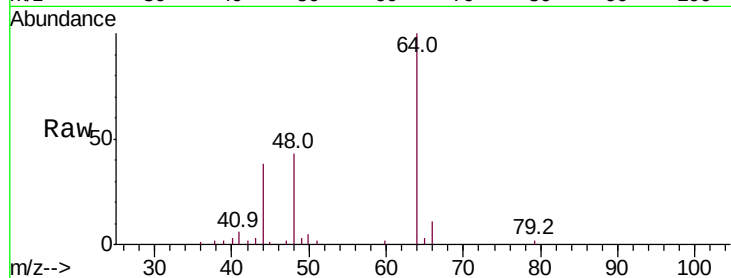
ClientSampleId :

Tot Ion: 64 Resp: 857

Ion Ratio Lower Upper

64 100

66 19.9 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

4000

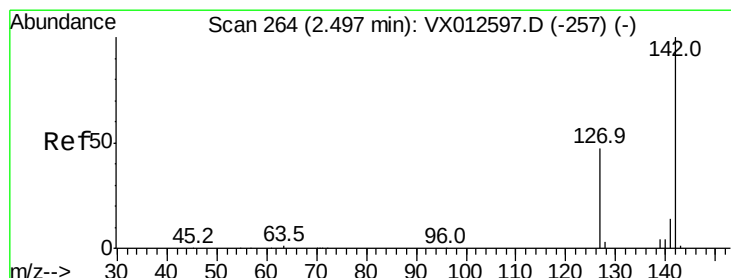
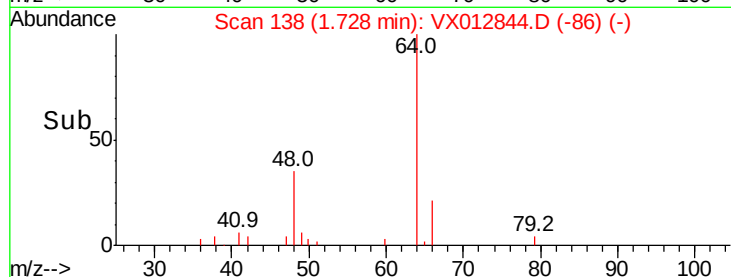
3000

2000

1000

0

Time--> 1.70 1.72 1.74



#10

Methyl Iodide

Concen: 4.994 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX012844.D

Acq: 07 Oct 2019 17:33

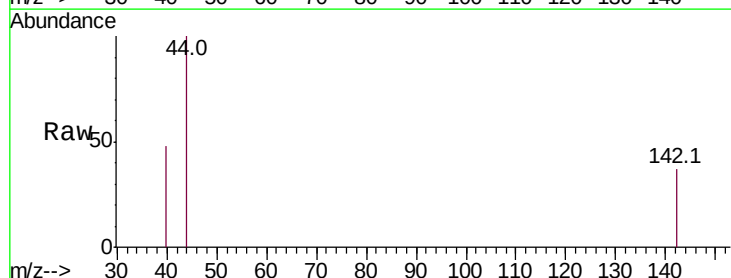
Tgt Ion: 142 Resp: 94

Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#



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

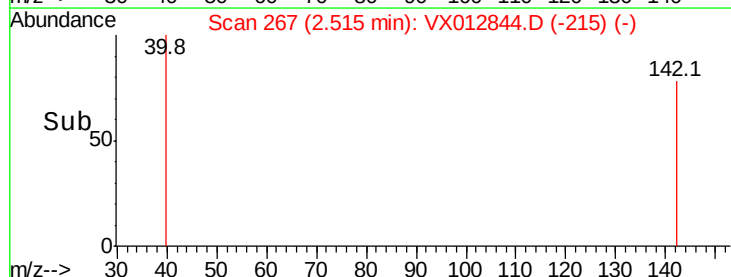
150

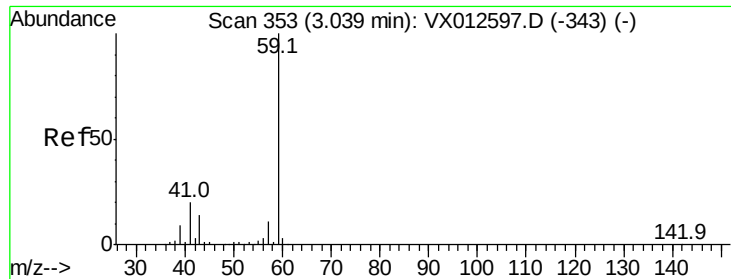
100

50

0

Time--> 2.48 2.50 2.52 2.54



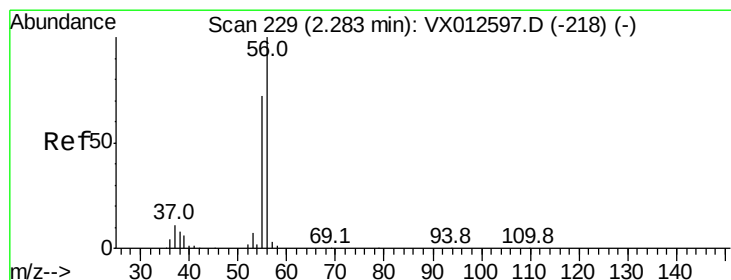
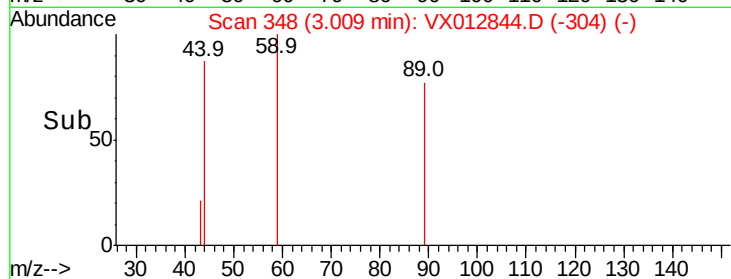
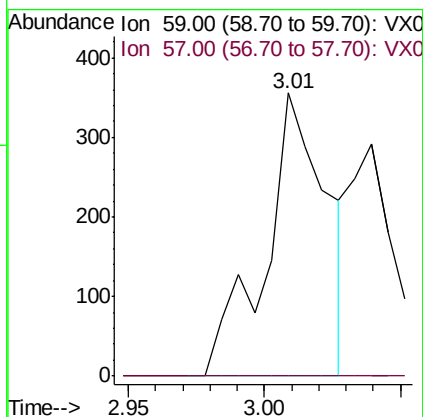
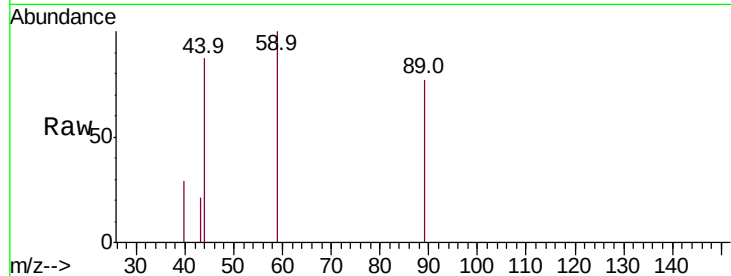


#11

Tert butyl alcohol
Concen: 0.854 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012844.D
Acq: 07 Oct 2019 17:33

Instrument :
MSVOA_X
ClientSampled :

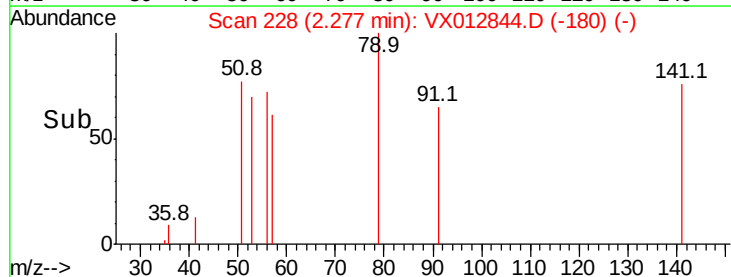
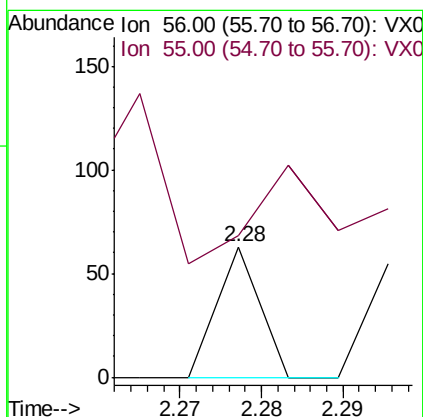
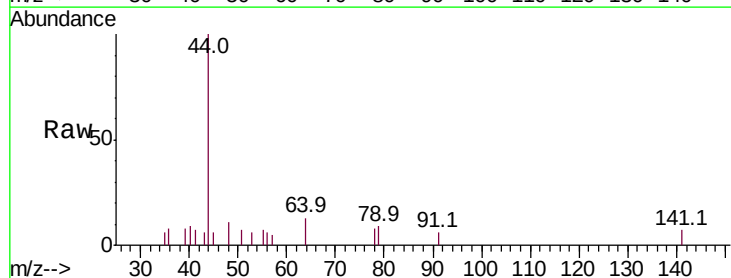
Tot Ion: 59 Resp: 557
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

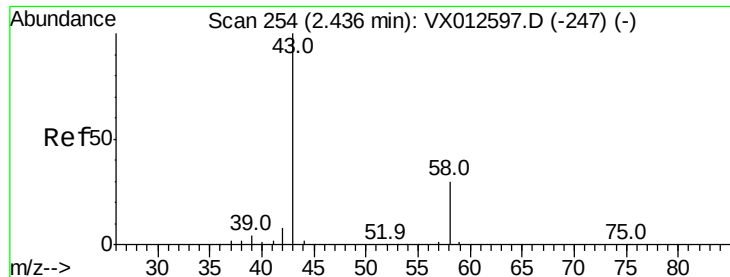


#13

Acrolein
Concen: 10.294 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX012844.D
Acq: 07 Oct 2019 17:33

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 491.3 55.8 83.8#





#16

Acetone

Concen: 2.767 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012844.D

Acq: 07 Oct 2019 17:33

Instrument :

MSVOA_X

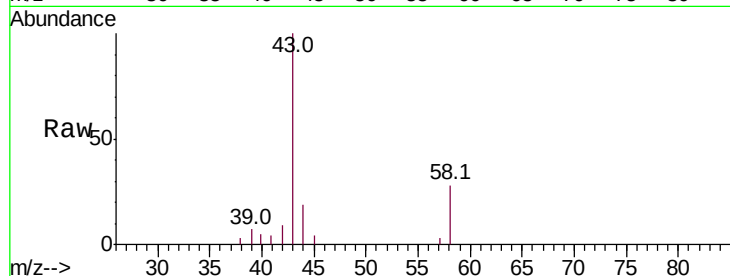
ClientSampleId :

Tot Ion: 43 Resp: 3827

Ion Ratio Lower Upper

43 100

58 28.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

2500

2000

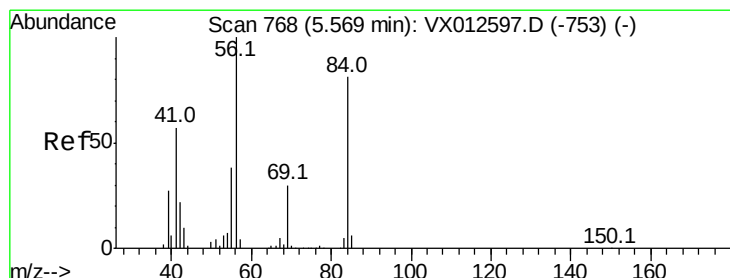
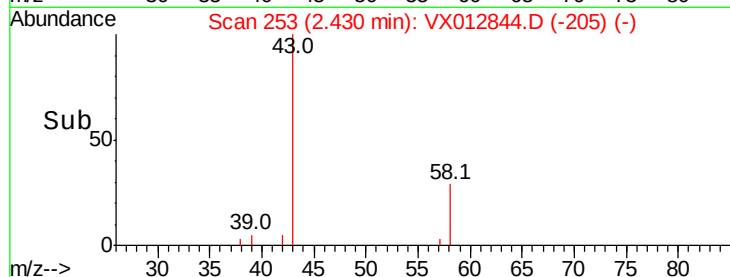
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#31

Cyclohexane

Concen: 1.016 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012844.D

Acq: 07 Oct 2019 17:33

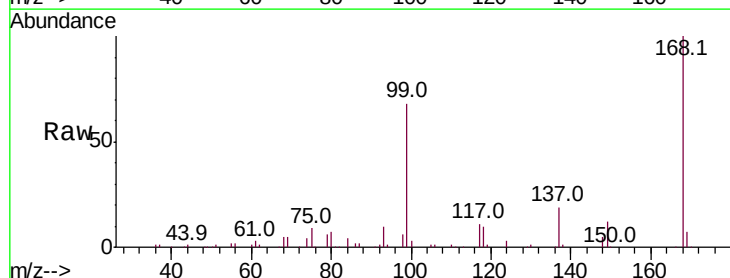
Tgt Ion: 56 Resp: 3693

Ion Ratio Lower Upper

56 100

69 213.6 25.0 37.6#

84 179.4 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

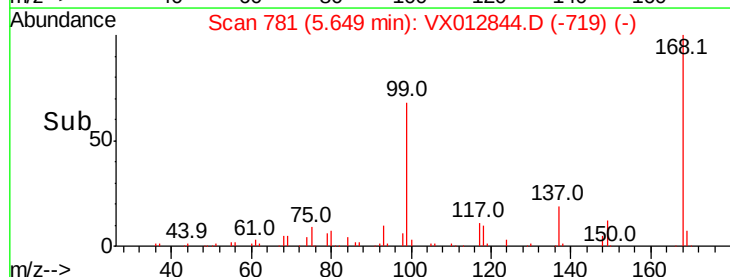
3000

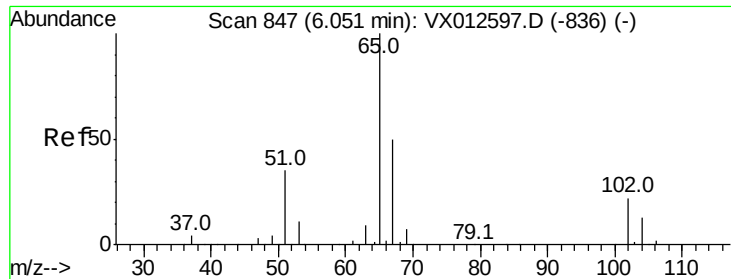
2000

1000

0

Time--> 5.55 5.60 5.65 5.70 5.75

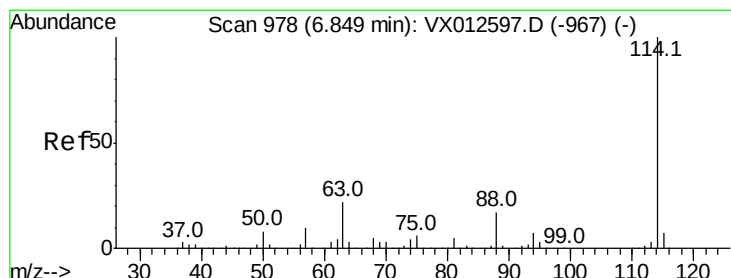
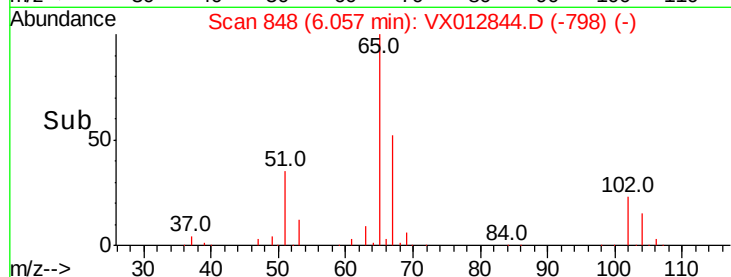
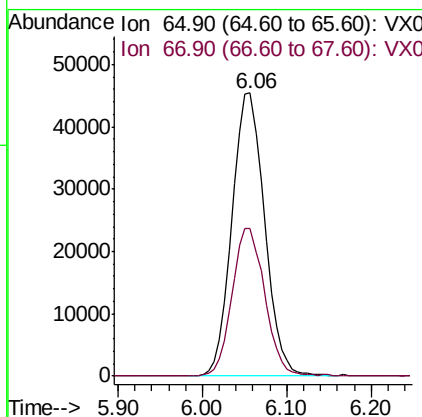
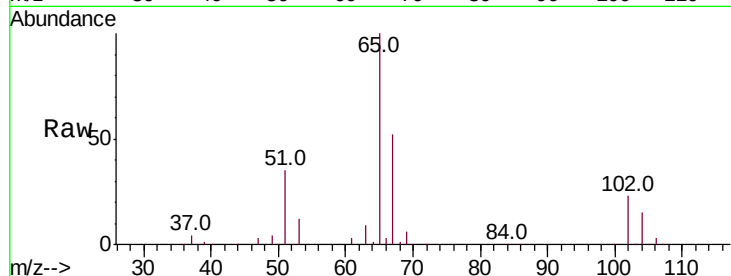




#33
 1,2-Dichloroethane-d4
 Concen: 45.704 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012844.D
 Acq: 07 Oct 2019 17:33

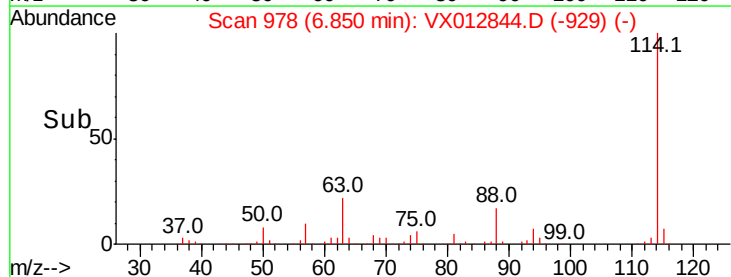
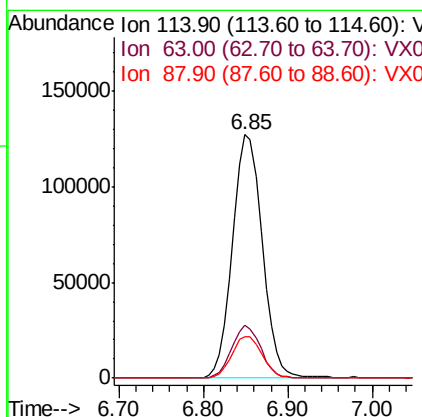
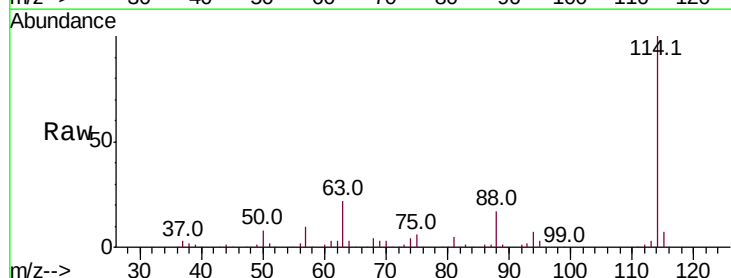
Instrument :
 MSVOA_X
 ClientSampleId :

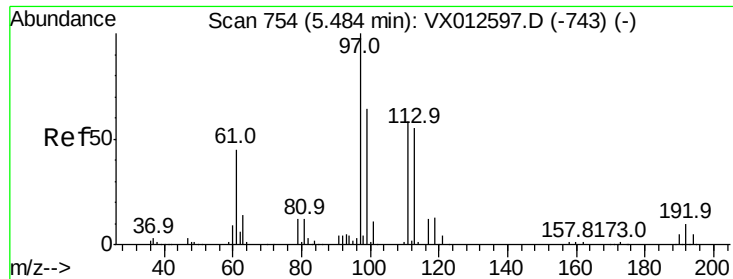
Tot Ion: 65 Resp: 119322
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012844.D
 Acq: 07 Oct 2019 17:33

Tgt Ion: 114 Resp: 304882
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 17.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.450 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012844.D

Acq: 07 Oct 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :

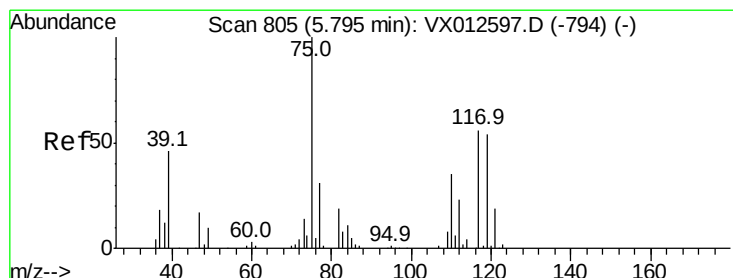
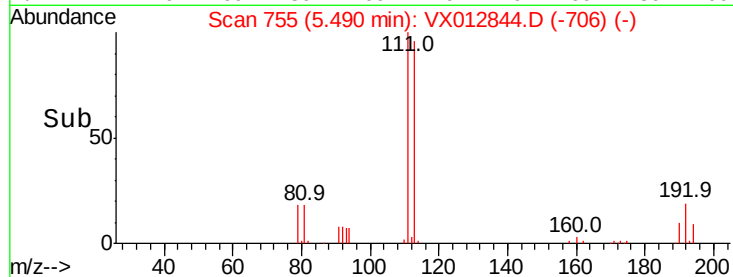
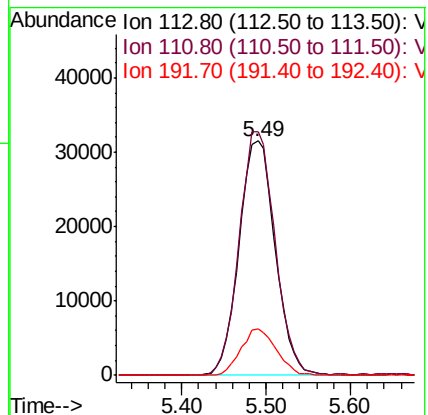
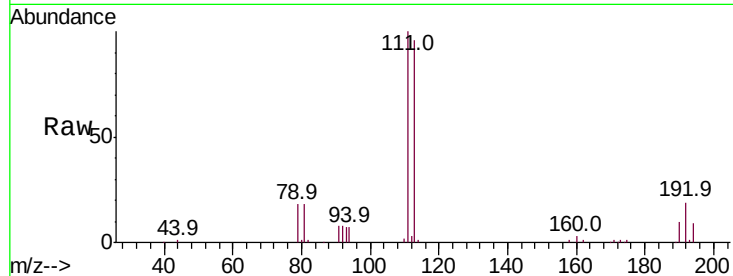
Tot Ion:113 Resp: 91603

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

192 19.5 14.4 21.6



#36

1,1-Dichloropropene

Concen: 4.934 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012844.D

Acq: 07 Oct 2019 17:33

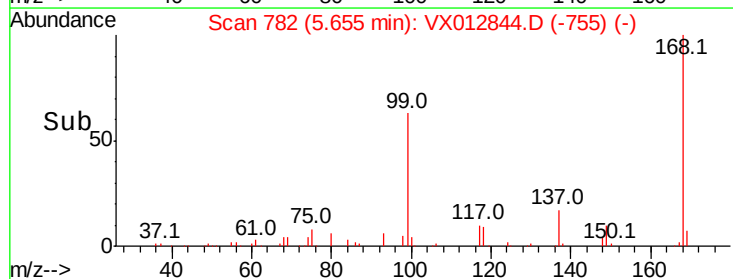
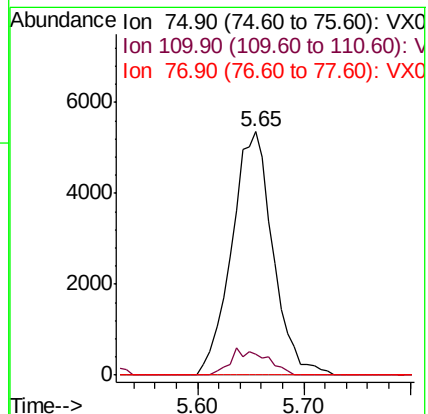
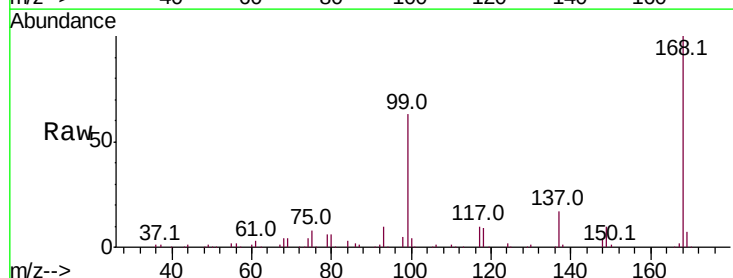
Tgt Ion: 75 Resp: 14499

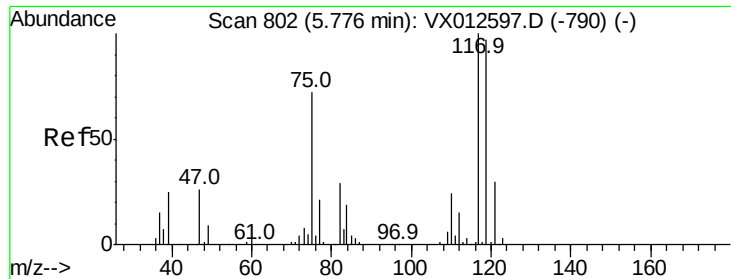
Ion Ratio Lower Upper

75 100

110 9.5 16.7 50.0#

77 0.0 24.2 36.2#

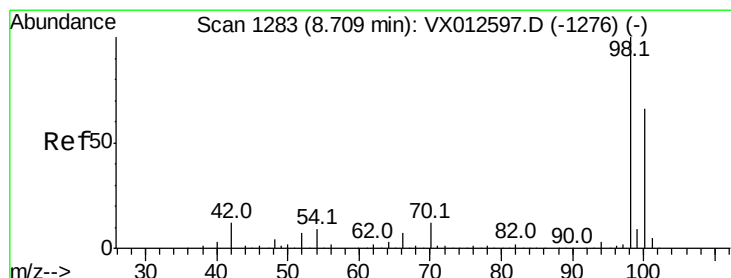
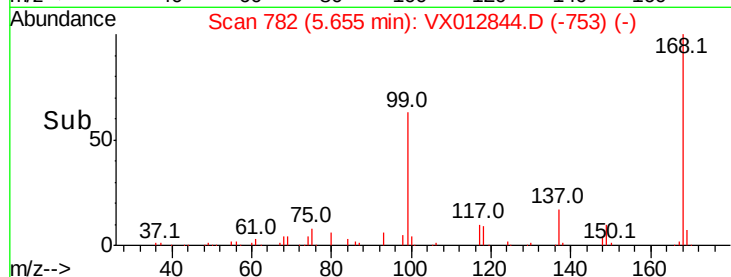
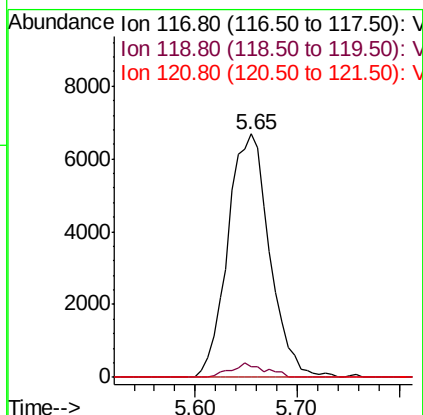
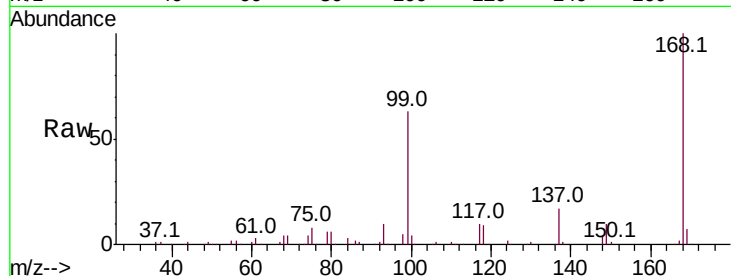




#38
Carbon Tetrachloride
Concen: 6.345 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012844.D
Acq: 07 Oct 2019 17:33

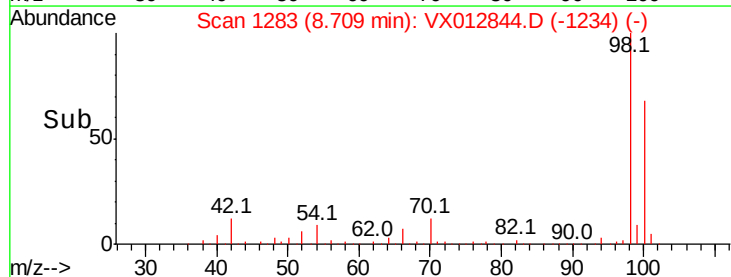
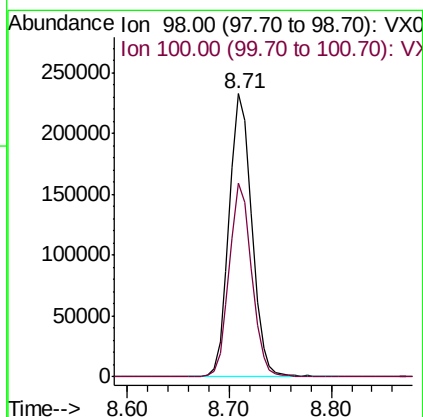
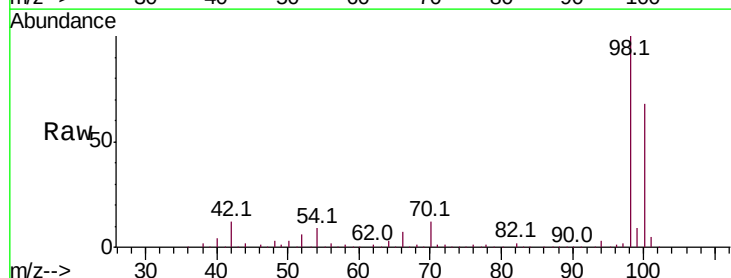
Instrument :
MSVOA_X
ClientSampleId :

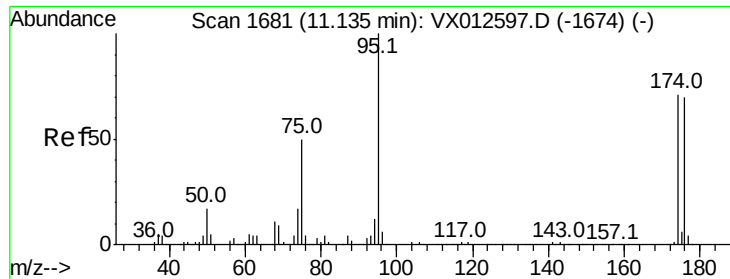
Tot Ion:117 Resp: 18940
Ion Ratio Lower Upper
117 100
119 4.2 75.7 113.5#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 51.202 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012844.D
Acq: 07 Oct 2019 17:33

Tgt Ion: 98 Resp: 358022
Ion Ratio Lower Upper
98 100
100 67.6 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 43.574 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012844.D

Acq: 07 Oct 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

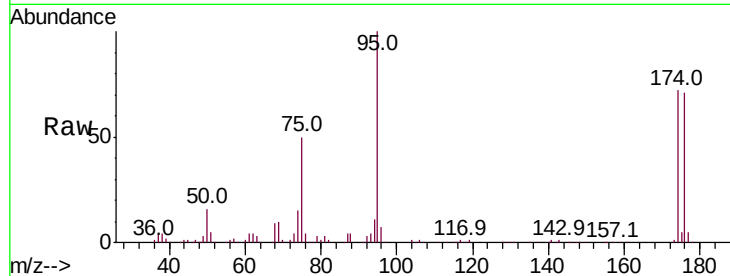
Tot Ion: 95 Resp: 119803

Ion Ratio Lower Upper

95 100

174 72.2 0.0 140.0

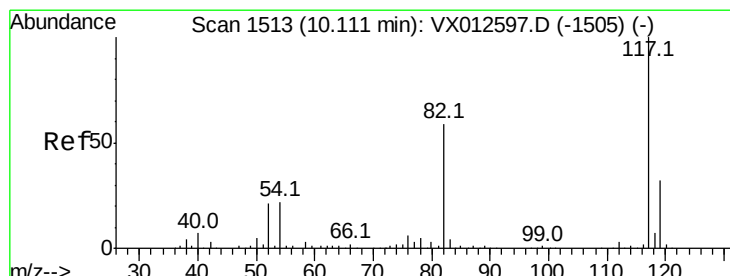
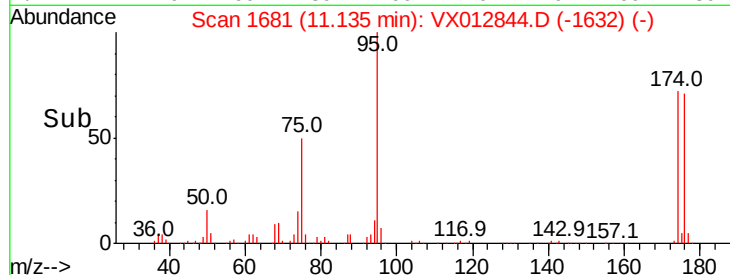
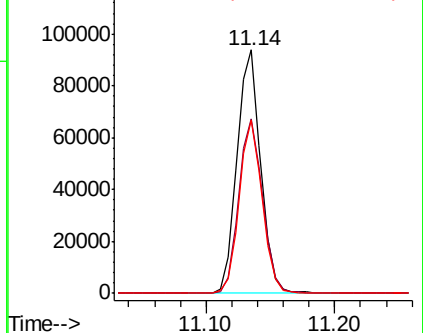
176 69.1 0.0 135.4



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: VX012844.D

Acq: 07 Oct 2019 17:33

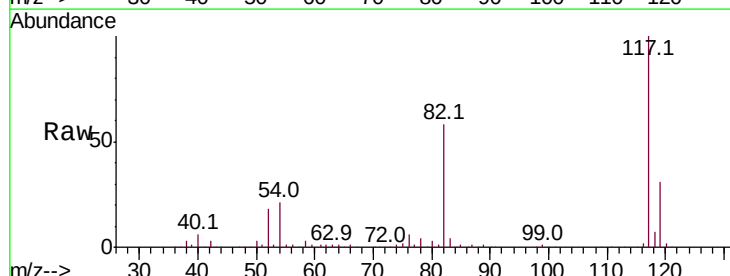
Tgt Ion: 117 Resp: 256094

Ion Ratio Lower Upper

117 100

82 58.0 45.9 68.9

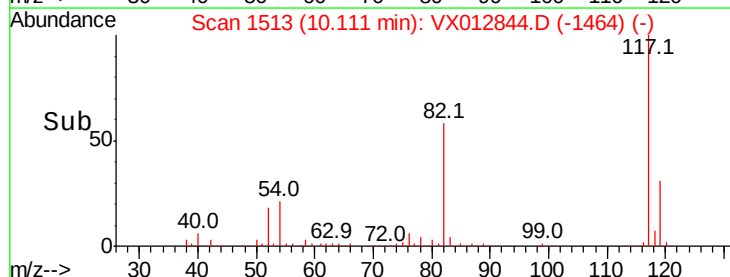
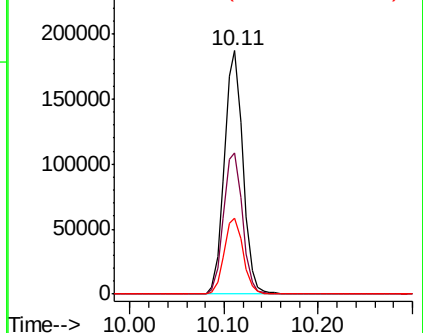
119 31.4 25.3 37.9

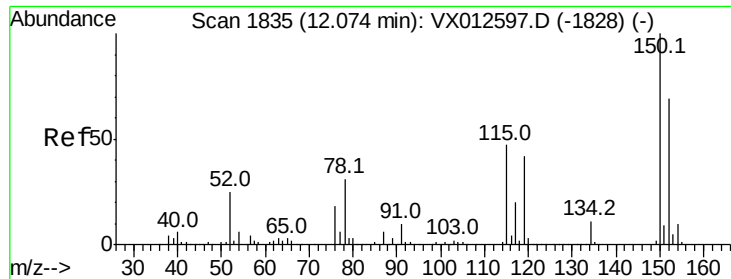


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

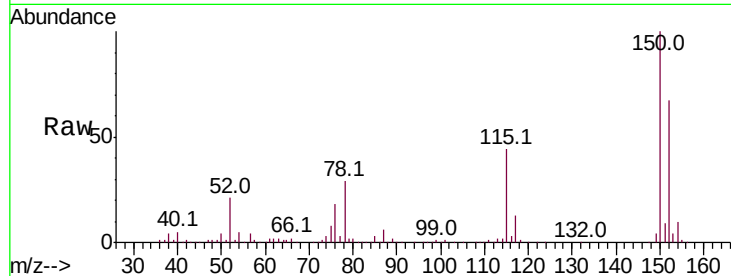




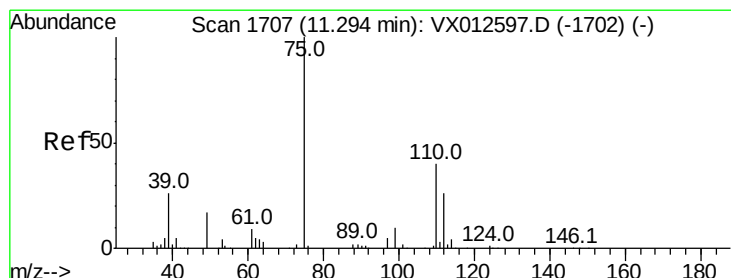
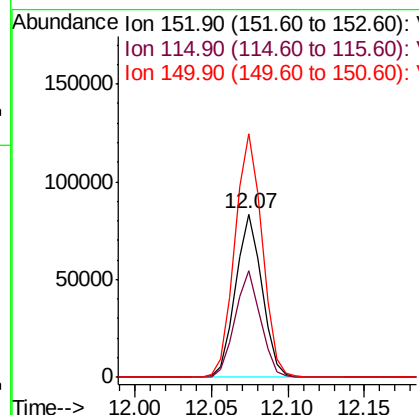
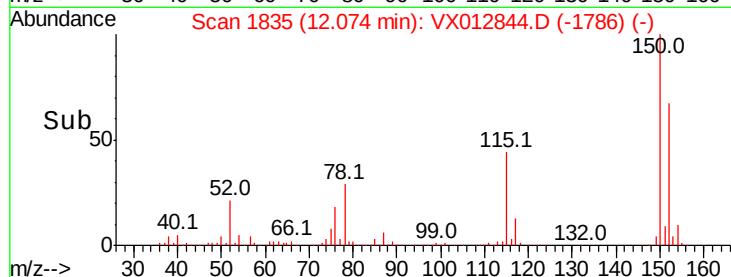
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012844.D
 Acq: 07 Oct 2019 17:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:152 Resp: 100088
 Ion Ratio Lower Upper
 152 100
 115 63.4 44.1 132.3
 150 153.8 0.0 343.8

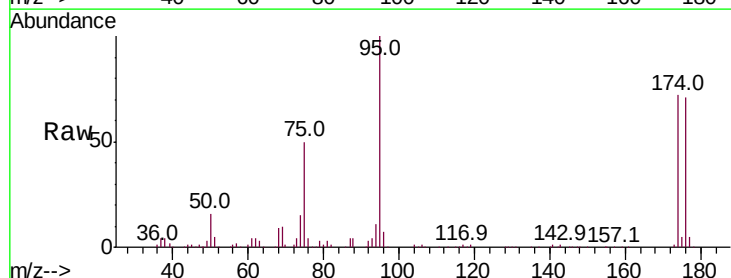


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

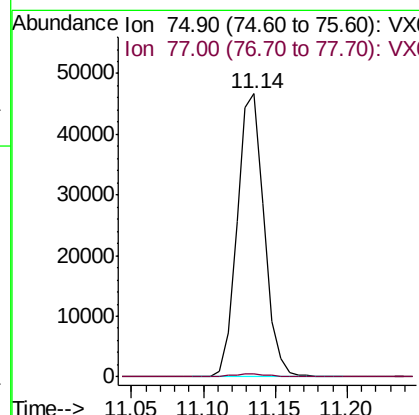
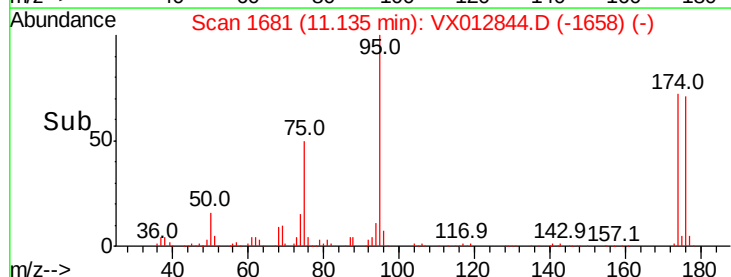


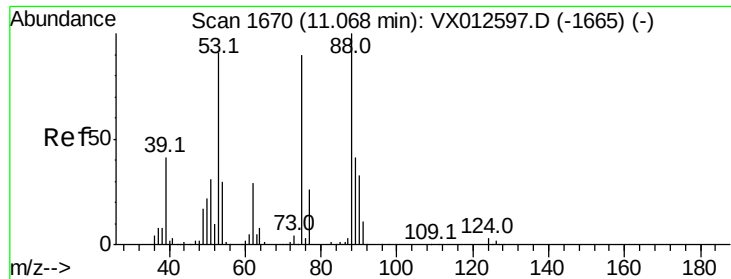
#76
 1,2,3-Trichloropropane
 Concen: 23.127 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012844.D
 Acq: 07 Oct 2019 17:33

Tgt Ion: 75 Resp: 61230
 Ion Ratio Lower Upper
 75 100
 77 1.1 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: 66.276 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012844.D
 Acq: 07 Oct 2019 17:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 61230
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.0 36.3 54.5#

