

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012860.D
 Acq On : 08 Oct 2019 00:56
 Operator : JC/SP
 Sample : K5216-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:16:15 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	185401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	313134	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	120836	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	
35) Dibromofluoromethane	5.49	113	91848	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	8.71	98	366174	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.14	95	129008	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	

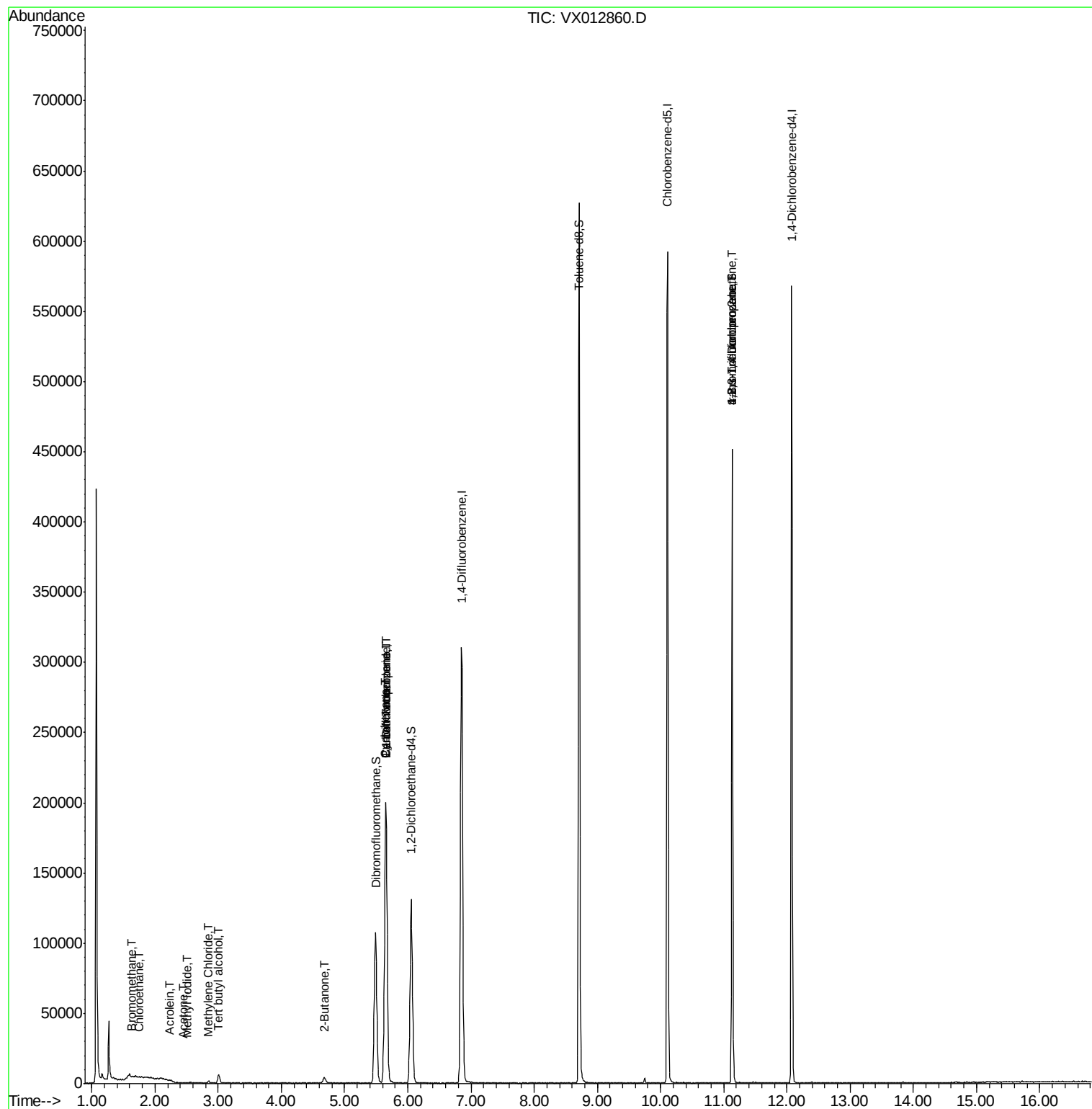
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	399	0.426	ug/l #	72
6) Chloroethane	1.75	64	348	0.217	ug/l #	45
10) Methyl Iodide	2.51	142	405	5.123	ug/l #	52
11) Tert butyl alcohol	3.01	59	4250	6.302	ug/l #	72
13) Acrolein	2.22	56	74	10.422	ug/l	86
16) Acetone	2.44	43	404	0.283	ug/l #	46
20) Methylene Chloride	2.85	84	755	0.312	ug/l #	64
25) 2-Butanone	4.69	43	440	0.215	ug/l #	51
31) Cyclohexane	5.64	56	3798	1.011	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14717	4.876	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19266	6.284	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	65018	22.412	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	65018	64.227	ug/l #	8

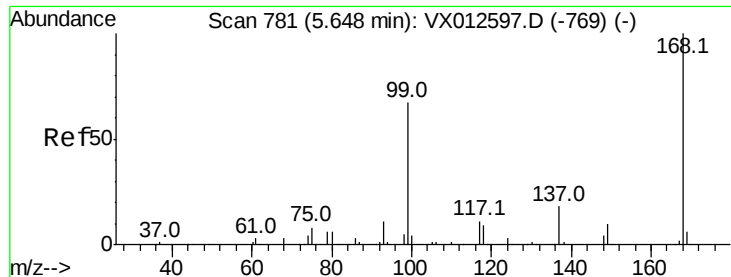
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
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: VX012860.D

Acq: 08 Oct 2019 00:56

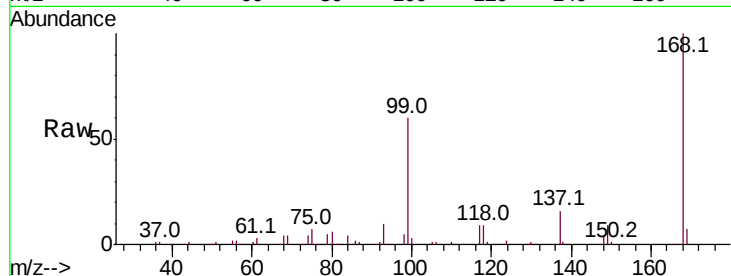
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 185401

Ion Ratio Lower Upper

168 100

99 60.0 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

80000

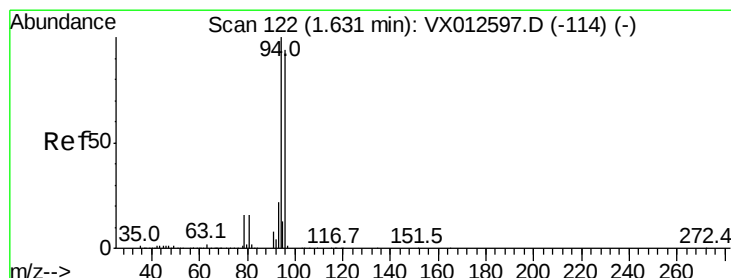
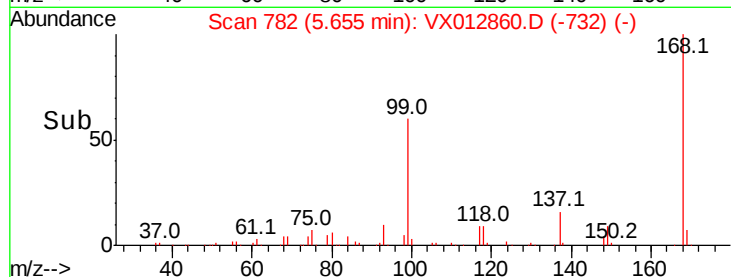
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.426 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012860.D

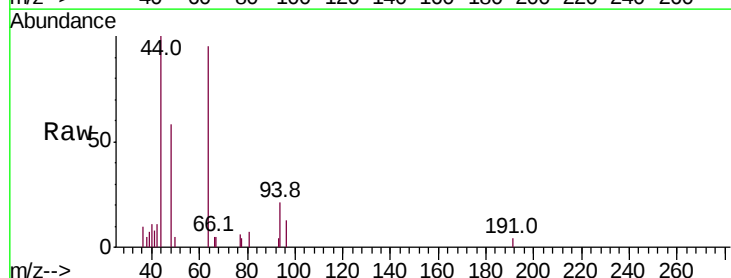
Acq: 08 Oct 2019 00:56

Tgt Ion: 94 Resp: 399

Ion Ratio Lower Upper

94 100

96 64.3 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

300

250

200

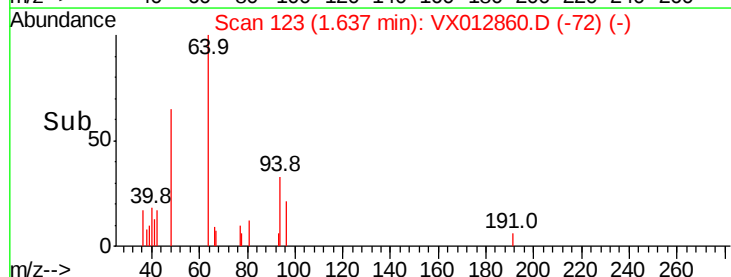
150

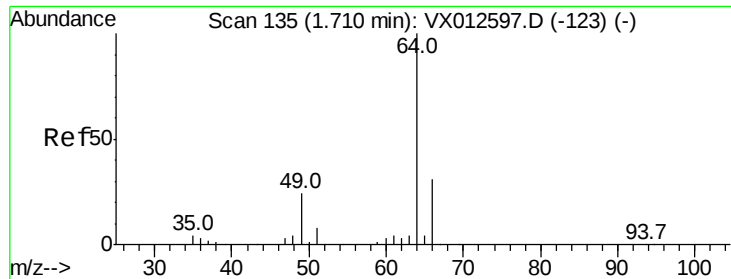
100

50

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.217 ug/l

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

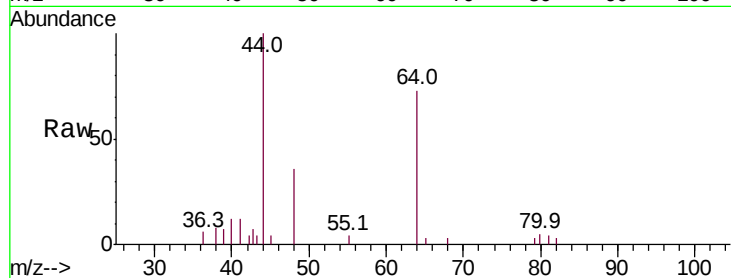
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 64 Resp: 348

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1500

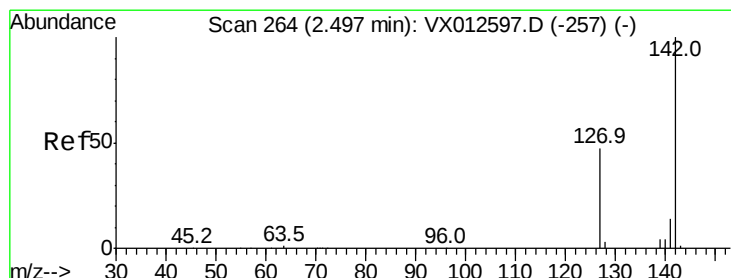
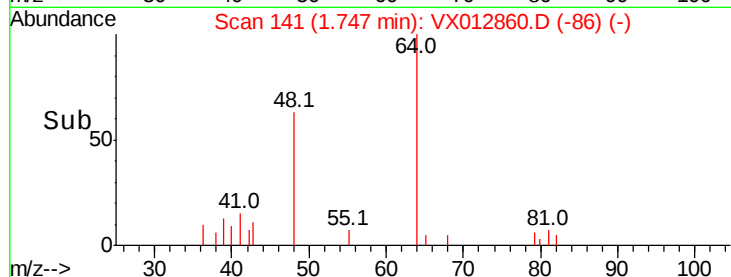
1000

500

0

1.73 1.74 1.75 1.76 1.77

Time-->



#10

Methyl Iodide

Concen: 5.123 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

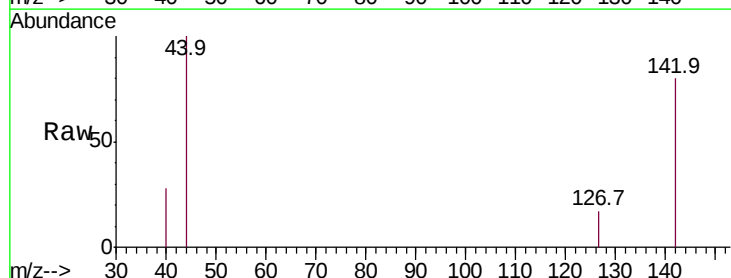
Tgt Ion: 142 Resp: 405

Ion Ratio Lower Upper

142 100

127 15.6 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

400

300

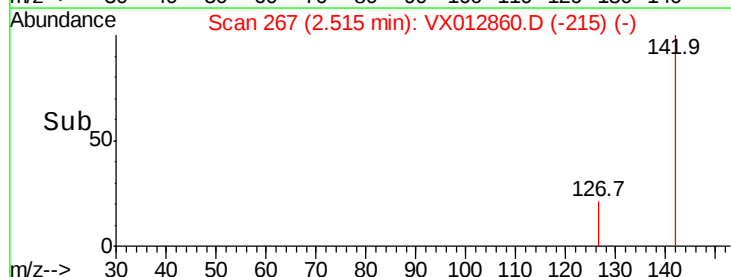
200

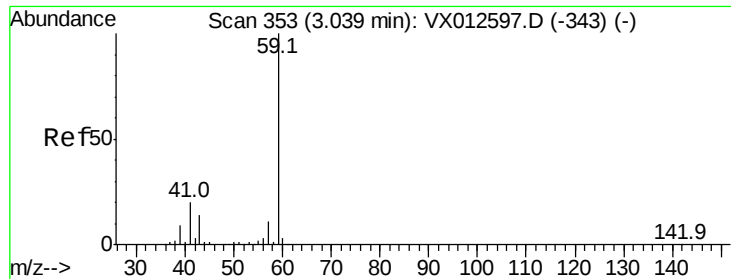
100

0

2.45 2.50 2.55

Time-->



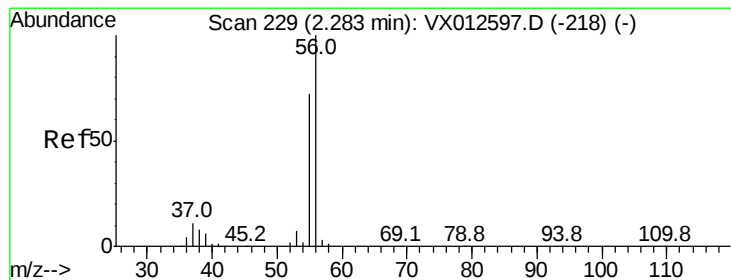
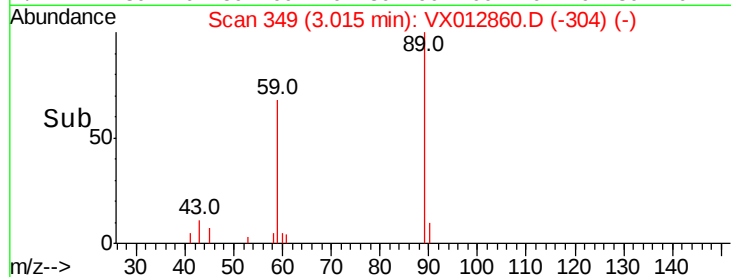
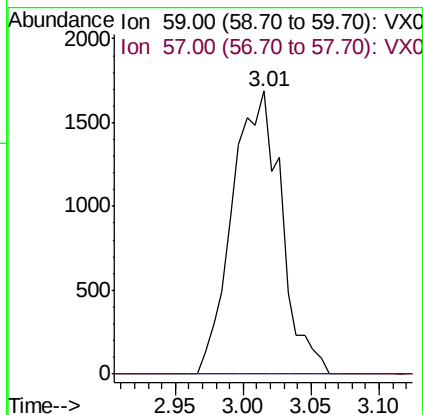
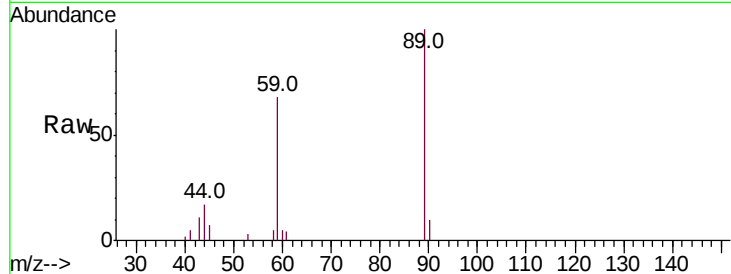


#11

Tert butyl alcohol
 Concen: 6.302 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: VX012860.D
 Acq: 08 Oct 2019 00:56

Instrument :
 MSVOA_X
 ClientSampleId :

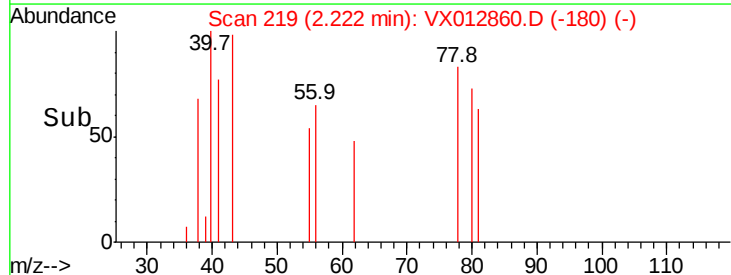
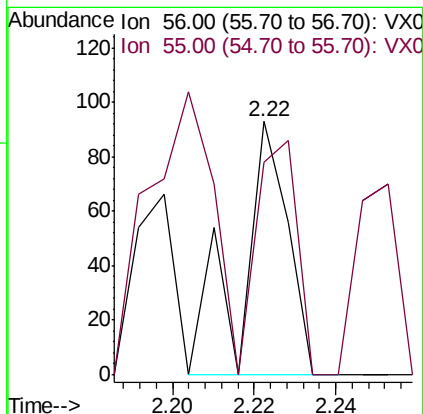
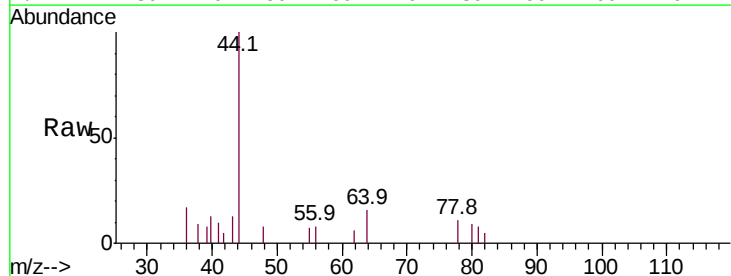
Tot Ion: 59 Resp: 4250
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

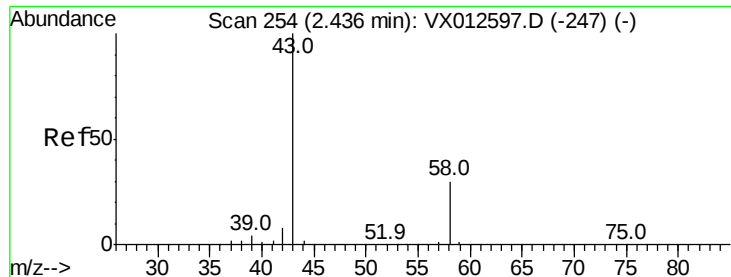


#13

Acrolein
 Concen: 10.422 ug/l
 RT: 2.22 min Scan# 219
 Delta R.T. -0.06 min
 Lab File: VX012860.D
 Acq: 08 Oct 2019 00:56

Tgt Ion: 56 Resp: 74
 Ion Ratio Lower Upper
 56 100
 55 81.1 55.8 83.8





#16

Acetone

Concen: 0.283 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

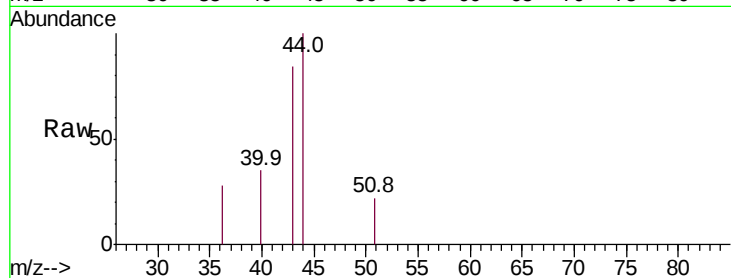
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 404

Ion Ratio Lower Upper

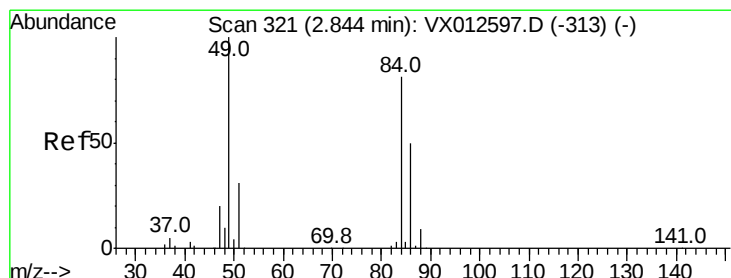
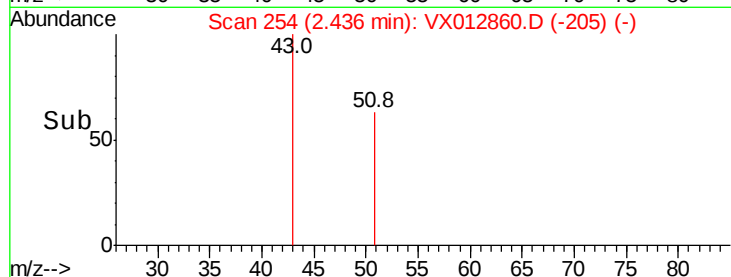
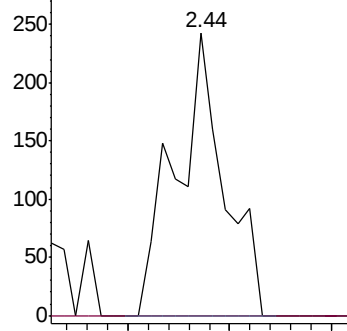
43 100

58 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.312 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

Tgt Ion: 84 Resp: 755

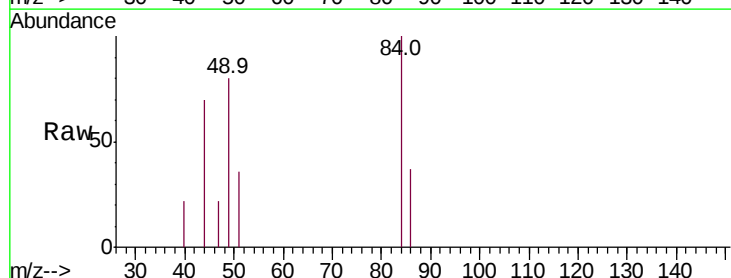
Ion Ratio Lower Upper

84 100

49 80.0 106.8 160.2#

51 36.4 32.3 48.5

86 36.7 51.3 76.9#

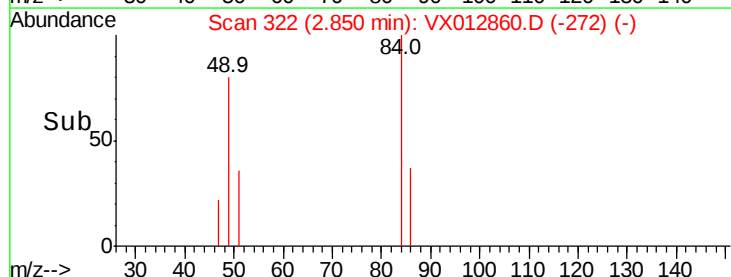
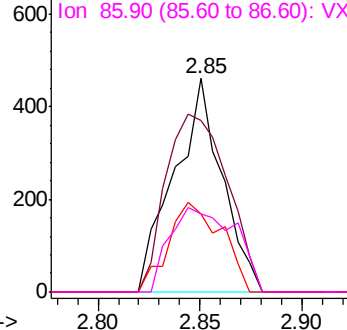


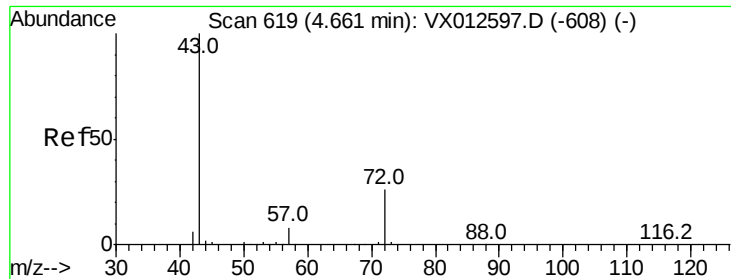
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.215 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

Instrument :

MSVOA_X

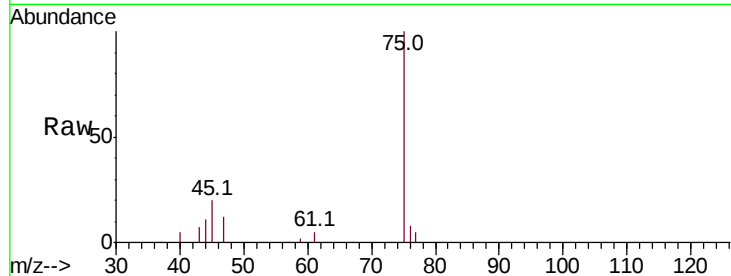
ClientSampleId :

Tot Ion: 43 Resp: 440

Ion Ratio Lower Upper

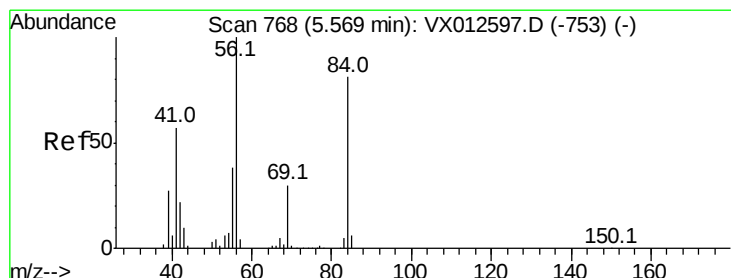
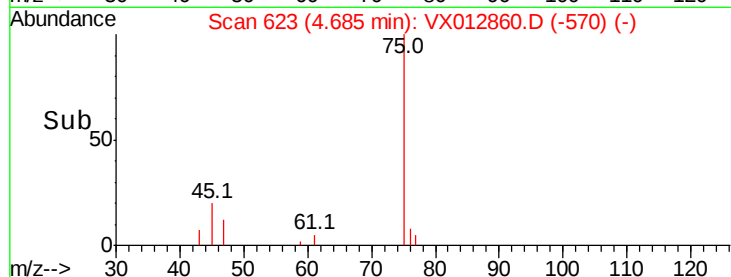
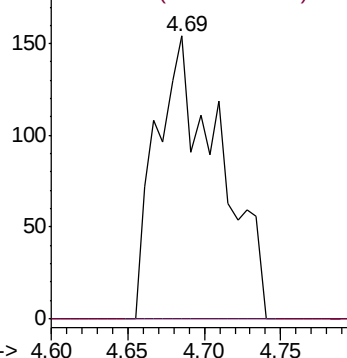
43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.011 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

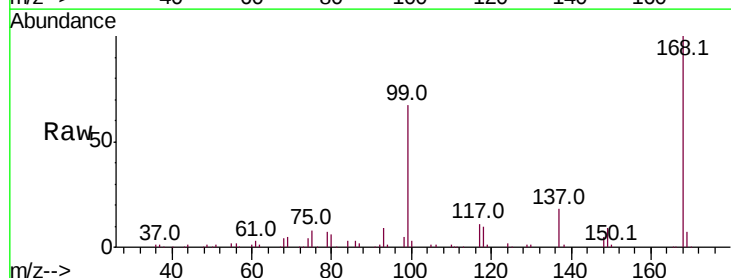
Tgt Ion: 56 Resp: 3798

Ion Ratio Lower Upper

56 100

69 191.3 25.0 37.6#

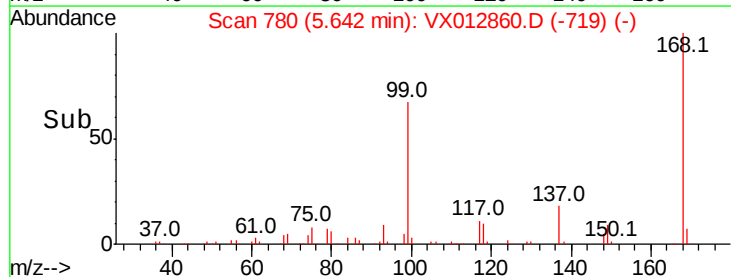
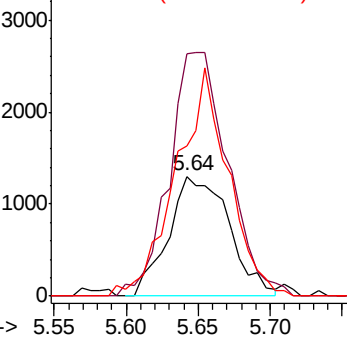
84 120.4 66.4 99.6#

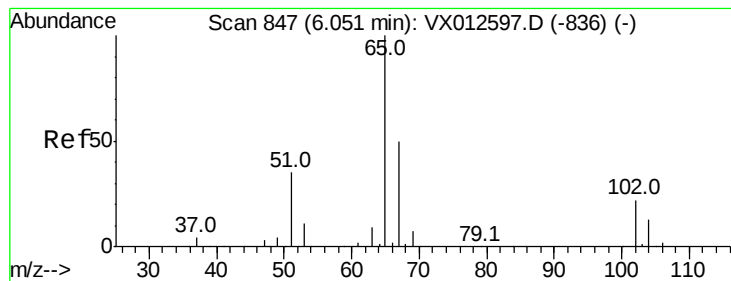


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 44.757 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

Instrument :

MSVOA_X

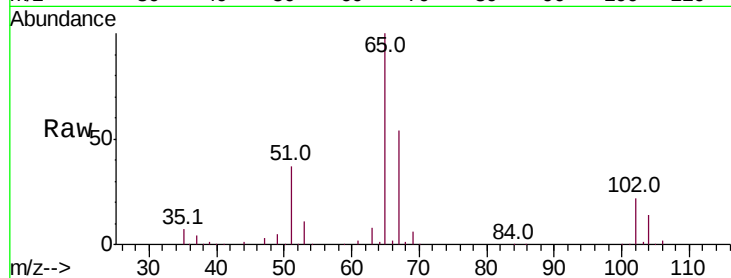
ClientSampleId :

Tot Ion: 65 Resp: 120836

Ion Ratio Lower Upper

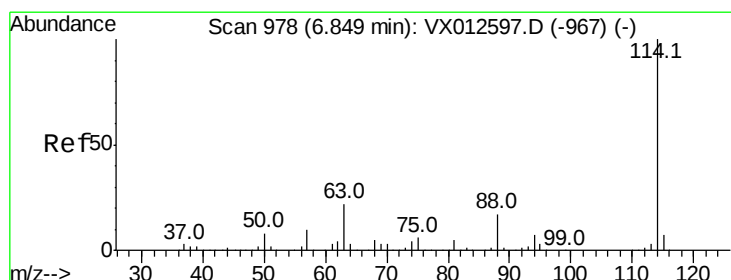
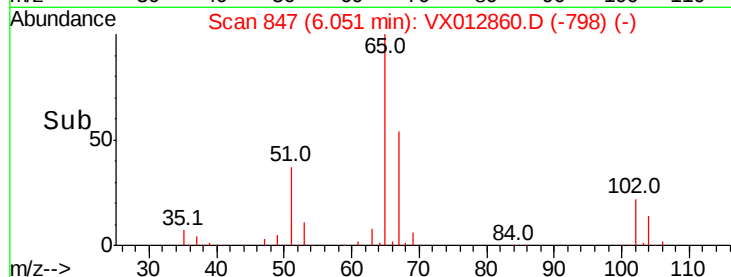
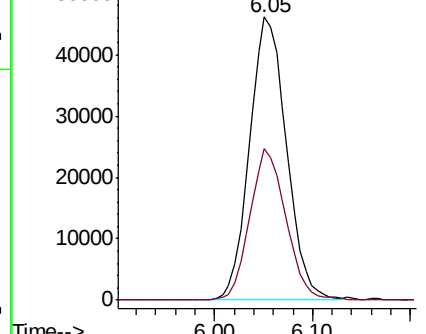
65 100

67 52.5 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: VX012860.D

Acq: 08 Oct 2019 00:56

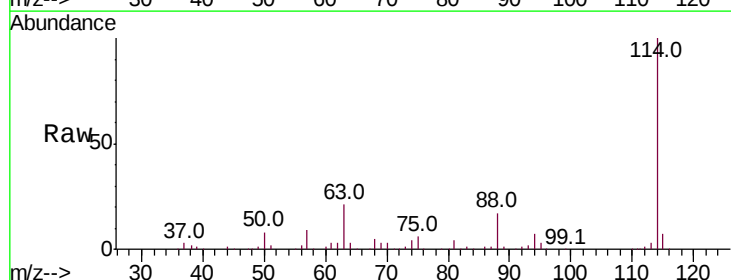
Tgt Ion:114 Resp: 313134

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

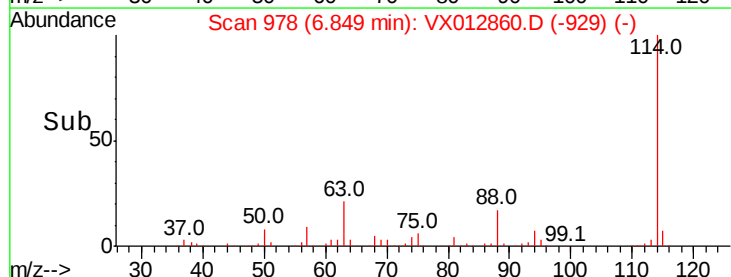
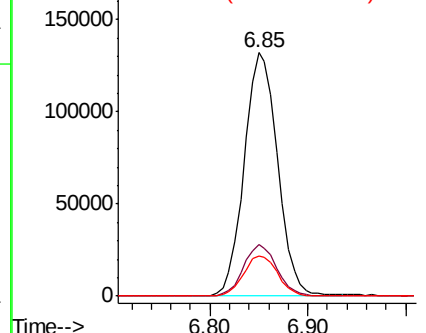
88 16.7 0.0 33.2

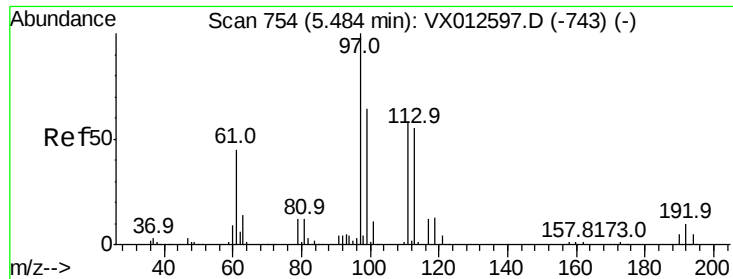


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.252 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

Instrument :
MSVOA_X
ClientSampleId :

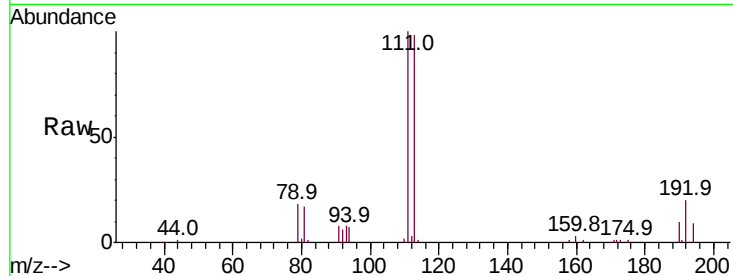
Tot Ion:113 Resp: 91848

Ion Ratio Lower Upper

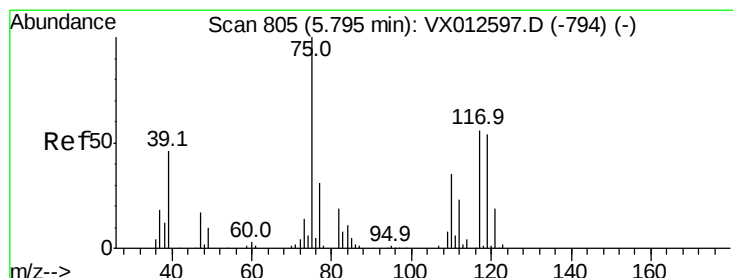
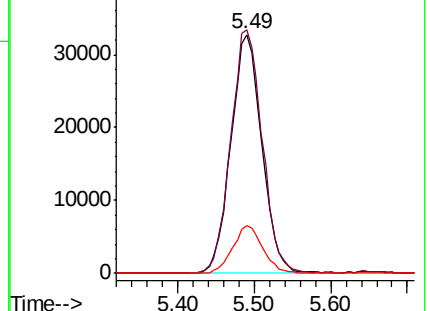
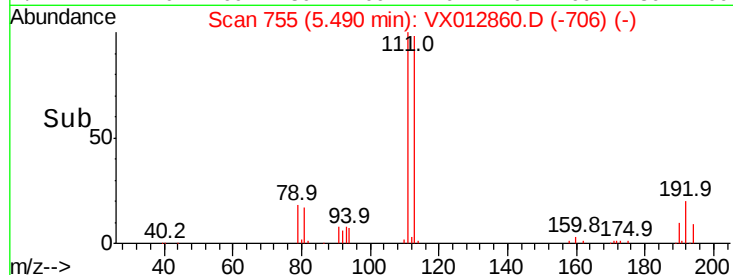
113 100

111 103.6 83.4 125.2

192 19.3 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: 4.876 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

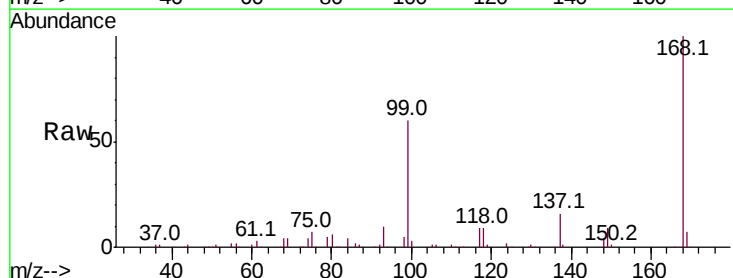
Tgt Ion: 75 Resp: 14717

Ion Ratio Lower Upper

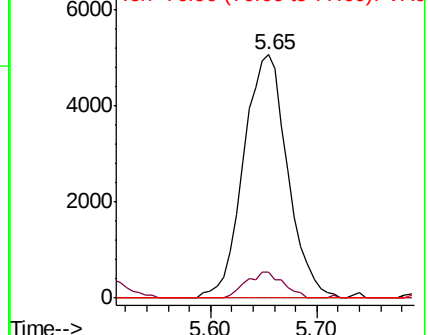
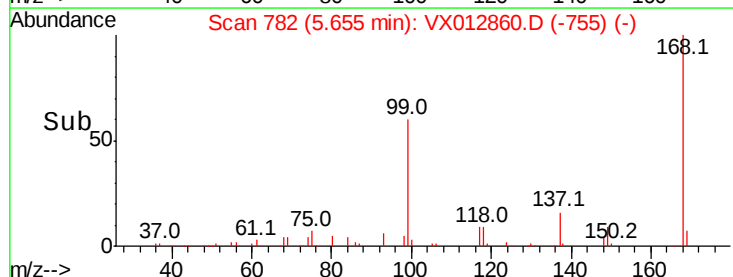
75 100

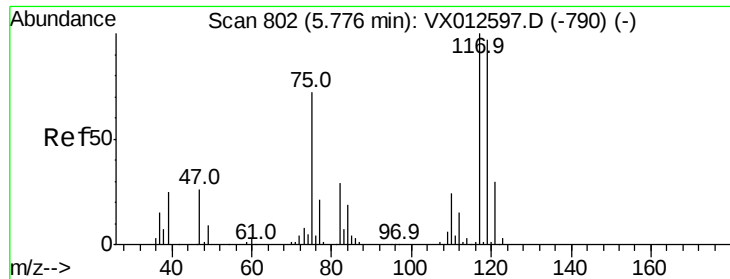
110 9.1 16.7 50.0#

77 0.0 24.2 36.2#



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: 6.284 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

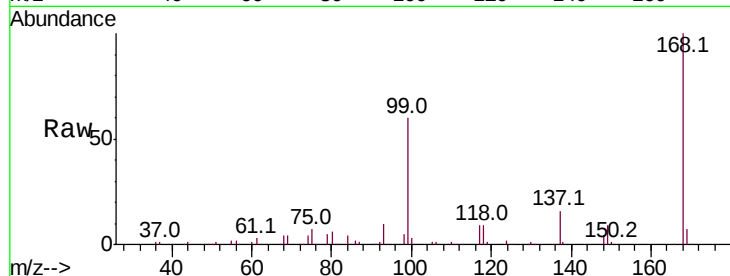
Tot Ion:117 Resp: 19266

Ion Ratio Lower Upper

117 100

119 6.6 75.7 113.5#

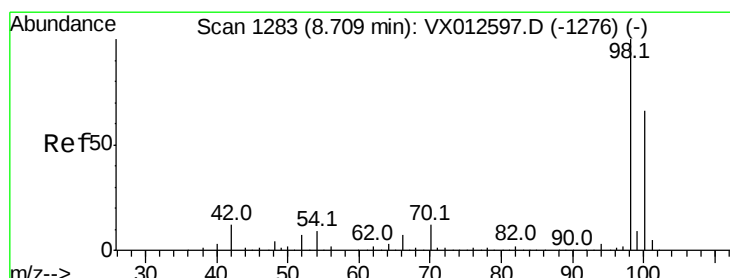
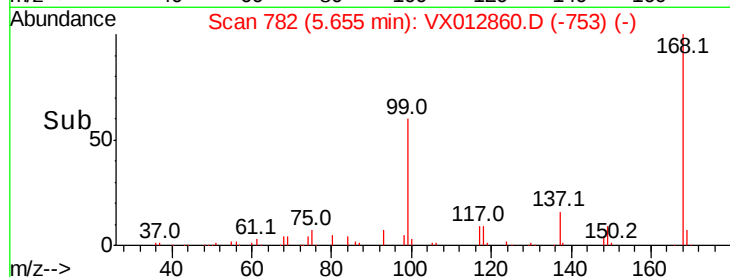
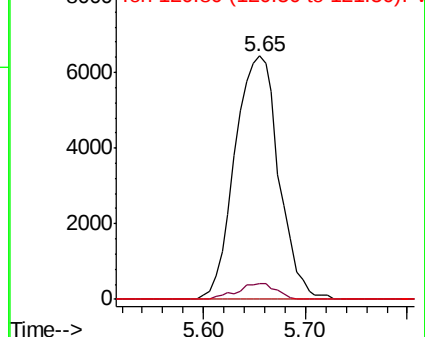
121 0.0 24.2 36.4#



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: 50.987 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012860.D

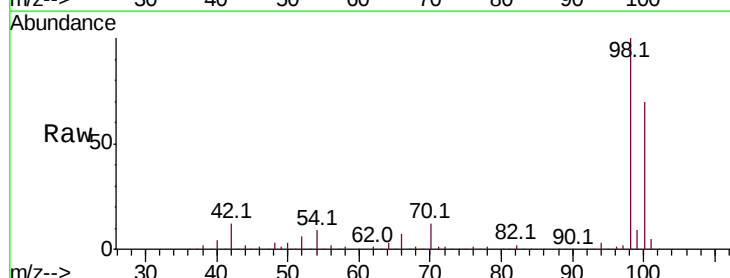
Acq: 08 Oct 2019 00:56

Tgt Ion: 98 Resp: 366174

Ion Ratio Lower Upper

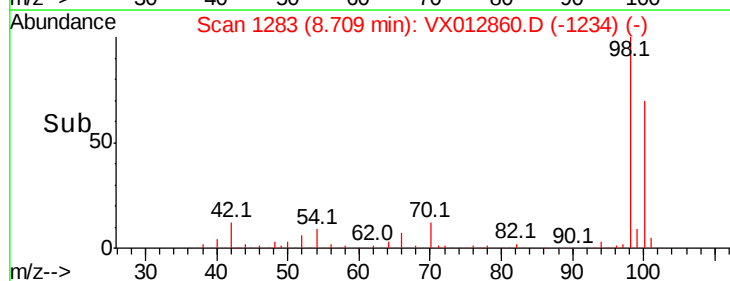
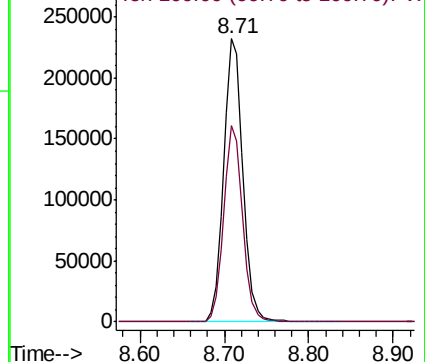
98 100

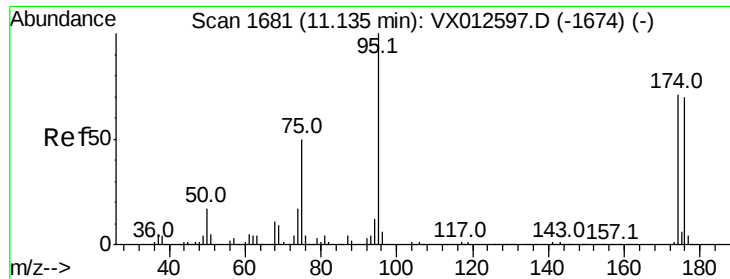
100 68.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.685 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012860.D

Acq: 08 Oct 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

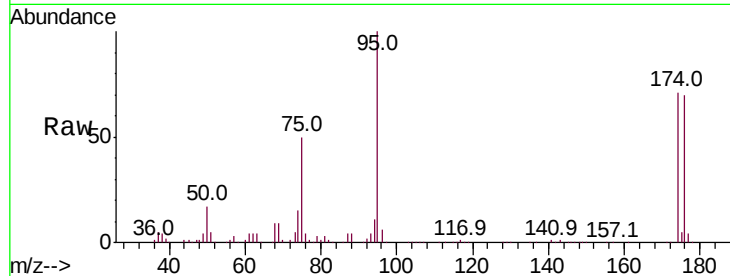
Tot Ion: 95 Resp: 129008

Ion Ratio Lower Upper

95 100

174 69.9 0.0 140.0

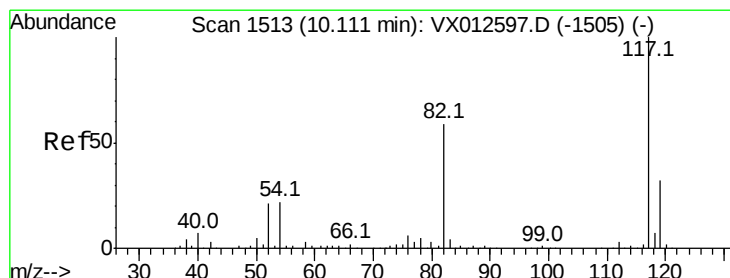
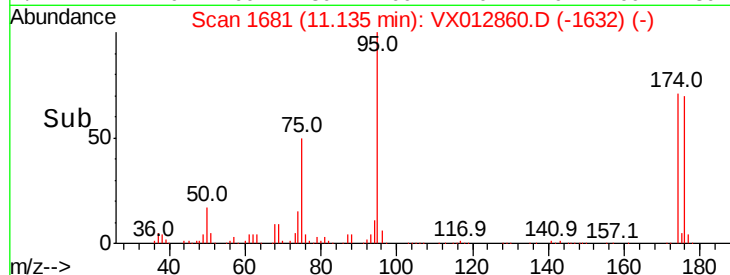
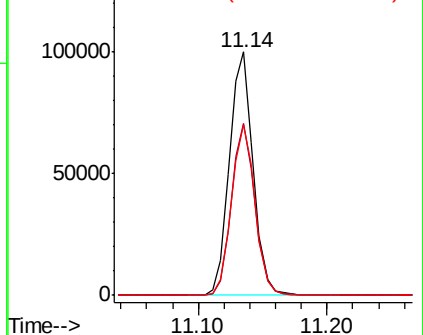
176 69.5 0.0 135.4



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: VX012860.D

Acq: 08 Oct 2019 00:56

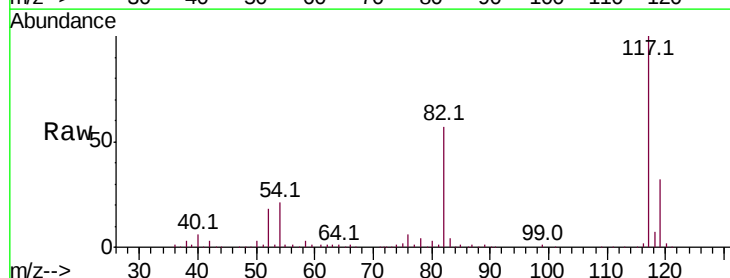
Tgt Ion: 117 Resp: 267362

Ion Ratio Lower Upper

117 100

82 57.5 45.9 68.9

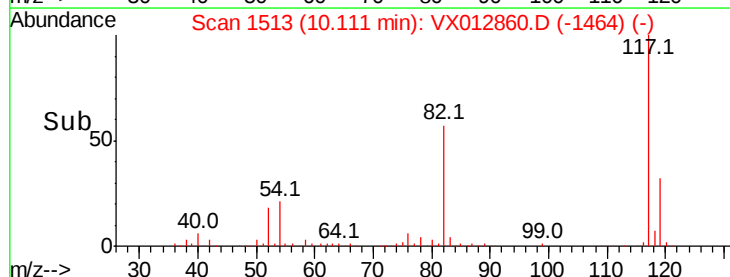
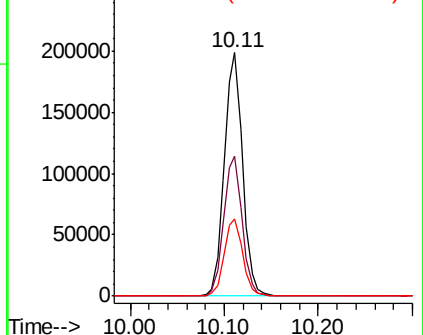
119 31.6 25.3 37.9

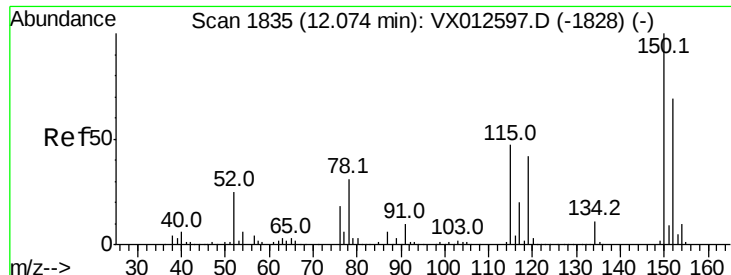


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012860.D

Acq: 08 Oct 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

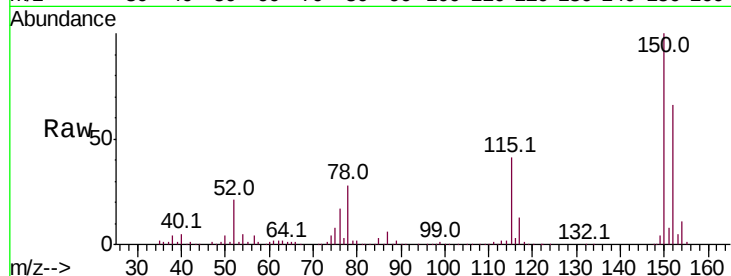
Tot Ion:152 Resp: 109671

Ion Ratio Lower Upper

152 100

115 62.5 44.1 132.3

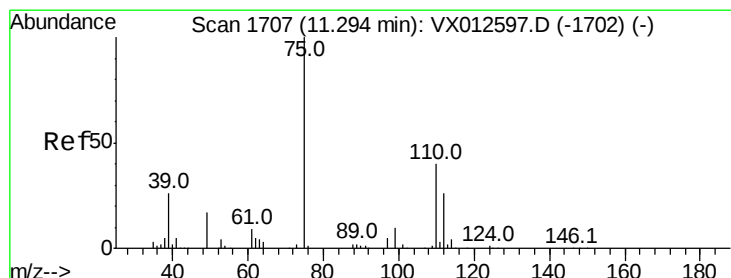
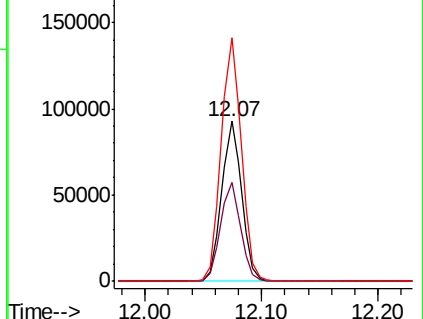
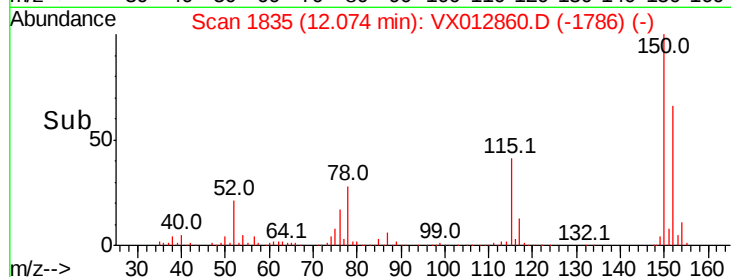
150 153.9 0.0 343.8



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: 22.412 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012860.D

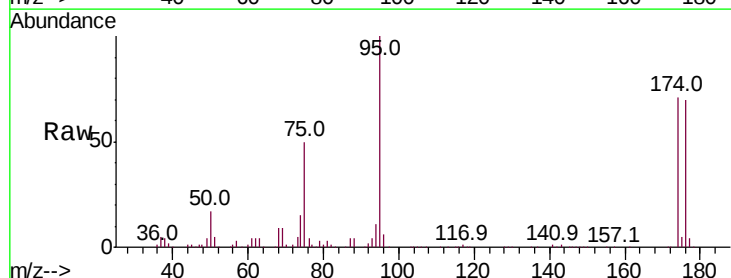
Acq: 08 Oct 2019 00:56

Tgt Ion: 75 Resp: 65018

Ion Ratio Lower Upper

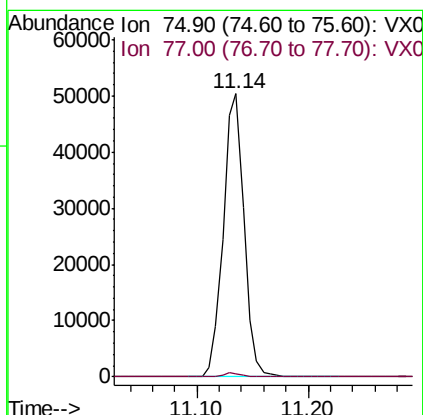
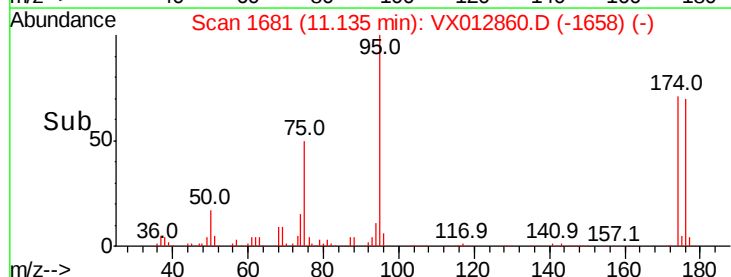
75 100

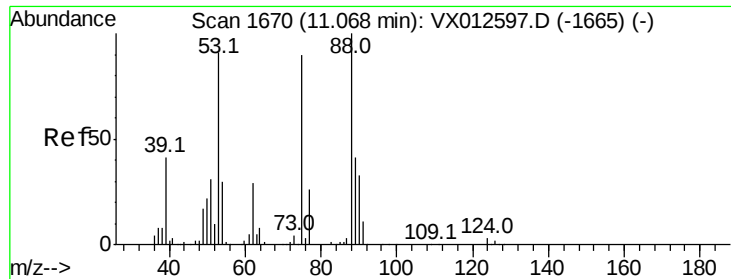
77 1.1 19.7 59.0#



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: 64.227 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012860.D
 Acq: 08 Oct 2019 00:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 65018
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.1 36.3 54.5#

