

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010081.D
 Acq On : 05 Jun 2019 16:51
 Operator : JC/SP
 Sample : K3190-13 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:34:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	168441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110568	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
35) Dibromofluoromethane	5.50	113	81677	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	8.71	98	344092	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	118236	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	

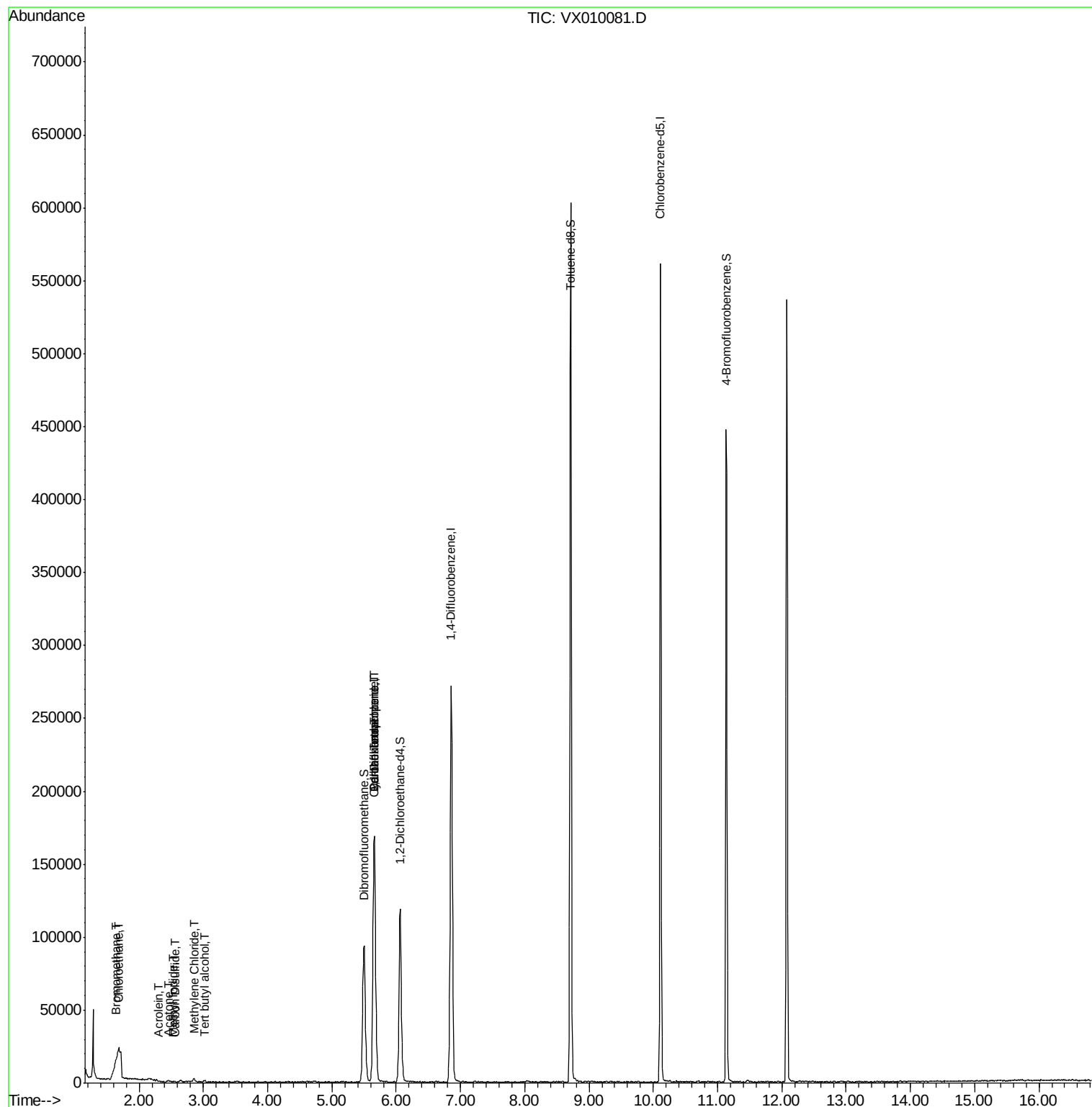
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	484	0.320	ug/l	83
6) Chloroethane	1.70	64	345	0.225	ug/l #	81
10) Methyl Iodide	2.52	142	79	4.691	ug/l #	42
11) Tert butyl alcohol	3.02	59	650	1.110	ug/l #	90
13) Acrolein	2.29	56	50	21.207	ug/l #	14
16) Acetone	2.46	43	993	0.722	ug/l	94
17) Carbon Disulfide	2.56	76	375	0.457	ug/l #	76
20) Methylene Chloride	2.85	84	961	0.456	ug/l	87
31) Cyclohexane	5.65	56	3718	1.027	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13212	4.859	ug/l #	50
38) Carbon Tetrachloride	5.65	117	15781	6.717	ug/l #	16

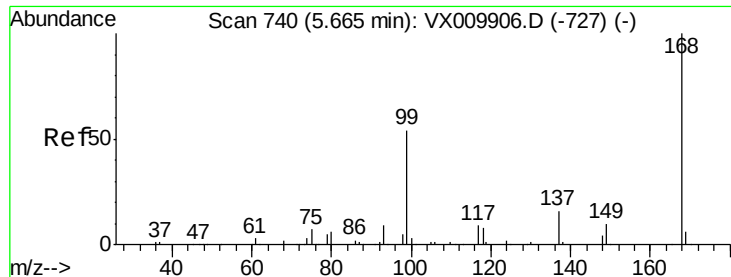
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060519\
Data File : VX010081.D
Acq On : 05 Jun 2019 16:51
Operator : JC/SP
Sample : K3190-13 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 06 06:34:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010081.D

Acq: 05 Jun 2019 16:51

Instrument :

MSVOA_X

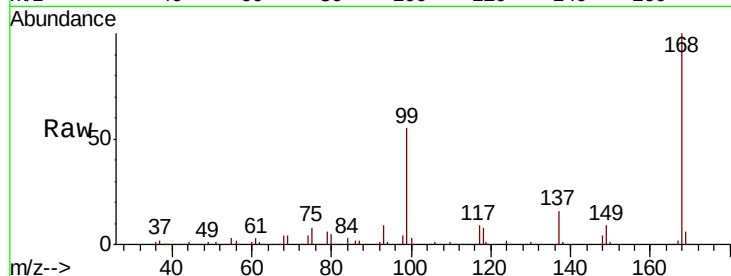
ClientSampleId :

Tot Ion:168 Resp: 168441

Ion Ratio Lower Upper

168 100

99 54.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

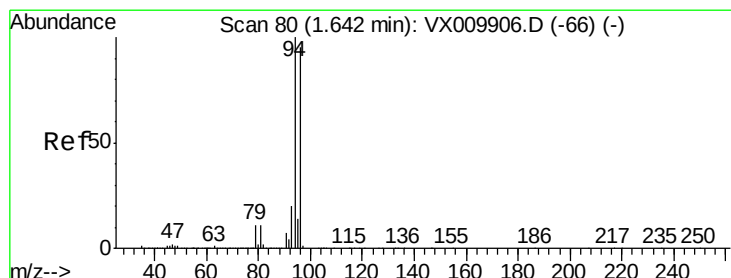
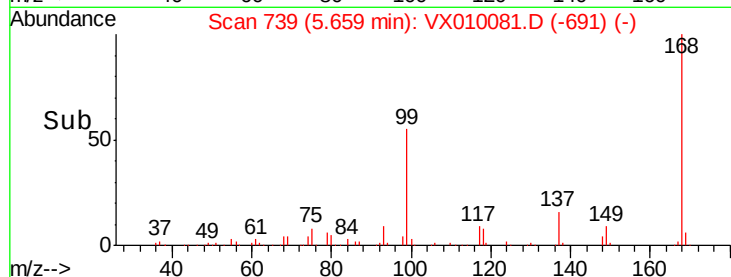
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.320 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010081.D

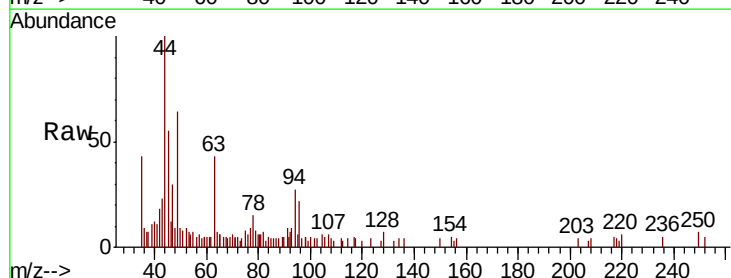
Acq: 05 Jun 2019 16:51

Tgt Ion: 94 Resp: 484

Ion Ratio Lower Upper

94 100

96 78.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

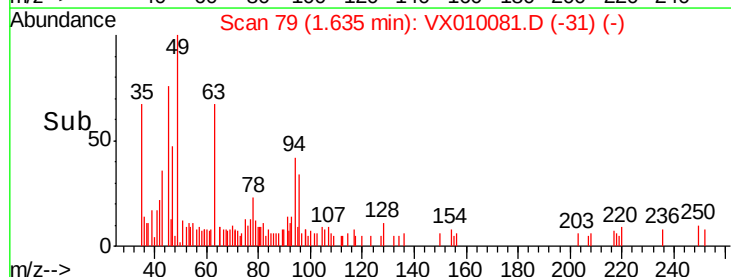
300

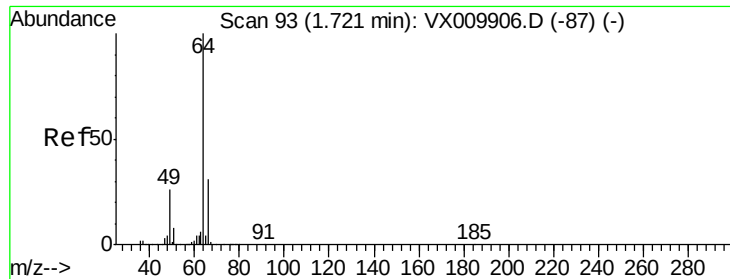
200

100

0

Time--> 1.60 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.225 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010081.D

Acq: 05 Jun 2019 16:51

Instrument :

MSVOA_X

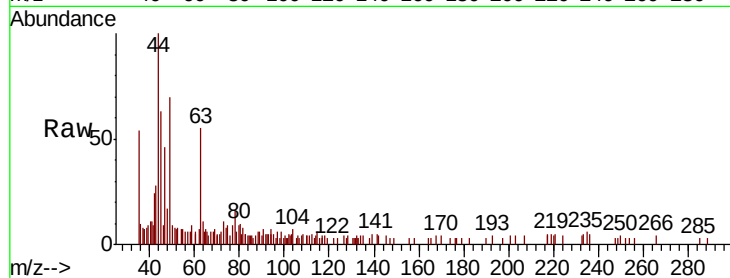
ClientSampleId :

Tot Ion: 64 Resp: 345

Ion Ratio Lower Upper

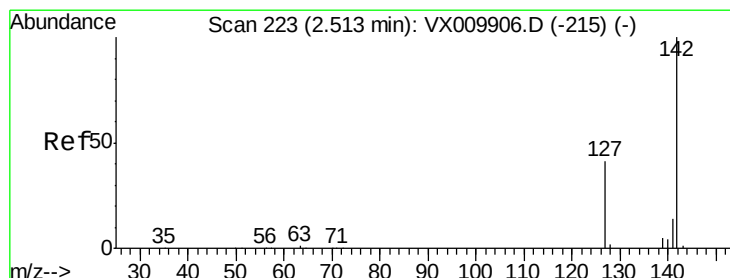
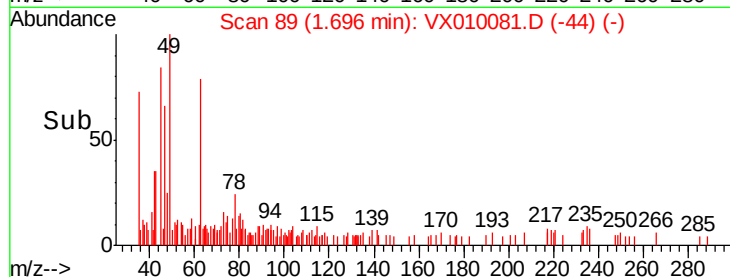
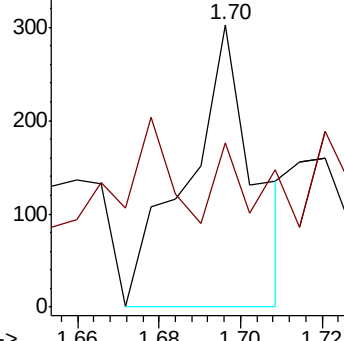
64 100

66 41.7 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.691 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010081.D

Acq: 05 Jun 2019 16:51

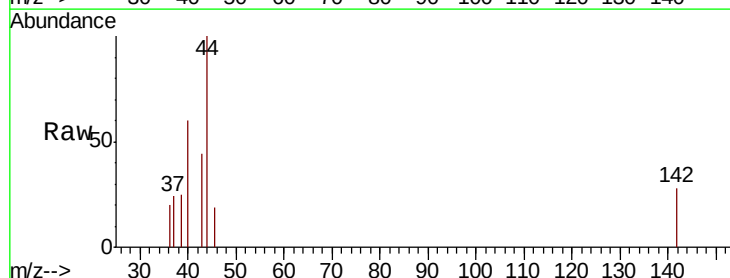
Tgt Ion: 142 Resp: 79

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

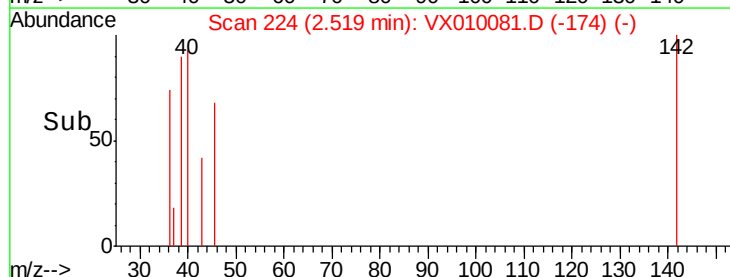
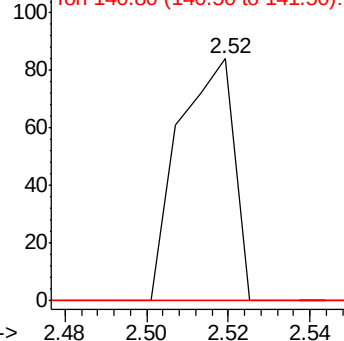
141 0.0 11.4 17.0#

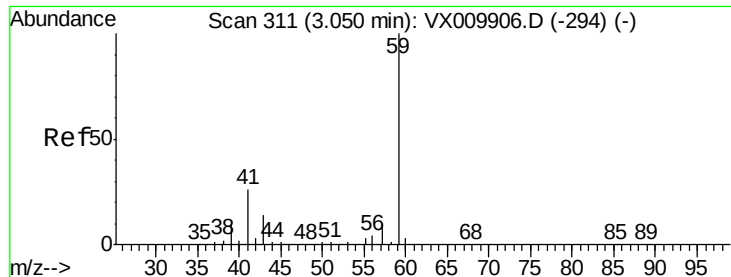


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

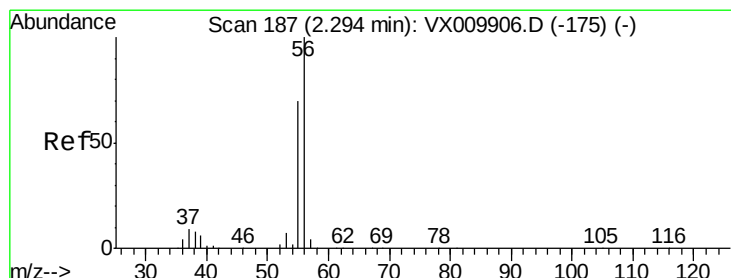
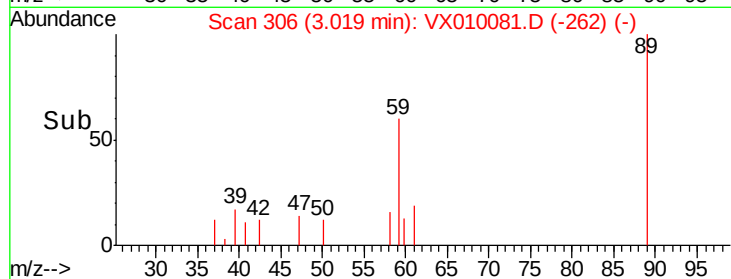
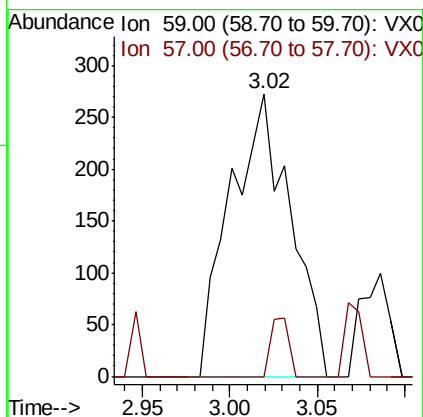
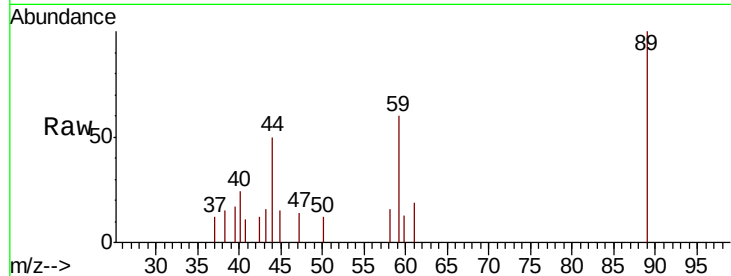




#11
Tert butyl alcohol
Concen: 1.110 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010081.D
Acq: 05 Jun 2019 16:51

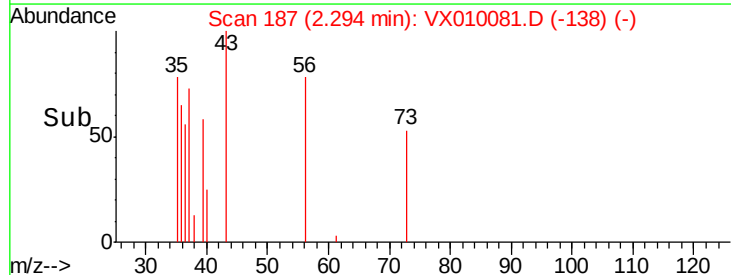
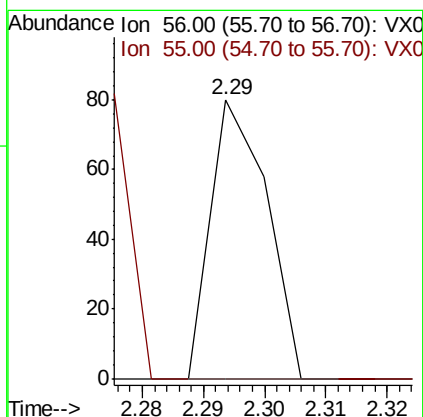
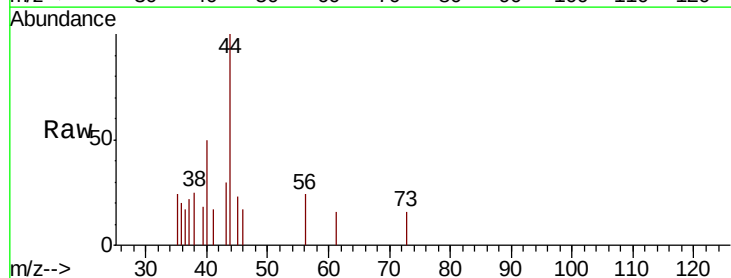
Instrument :
MSVOA_X
ClientSampled :

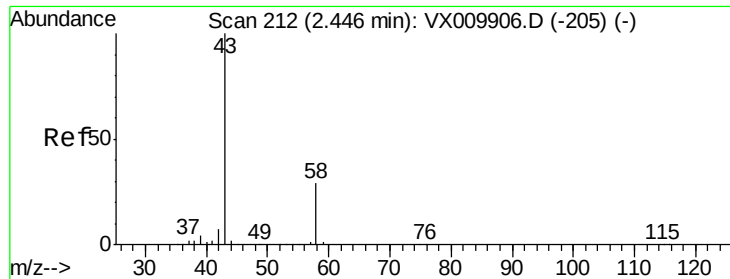
Tot Ion: 59 Resp: 650
Ion Ratio Lower Upper
59 100
57 6.3 8.2 12.2#



#13
Acrolein
Concen: 21.207 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010081.D
Acq: 05 Jun 2019 16:51

Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 0.722 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX010081.D

Acq: 05 Jun 2019 16:51

Instrument :

MSVOA_X

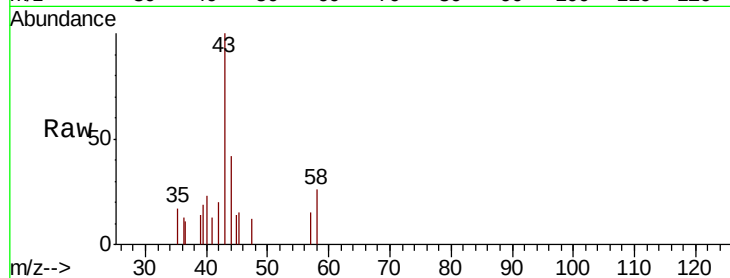
ClientSampled :

Tot Ion: 43 Resp: 993

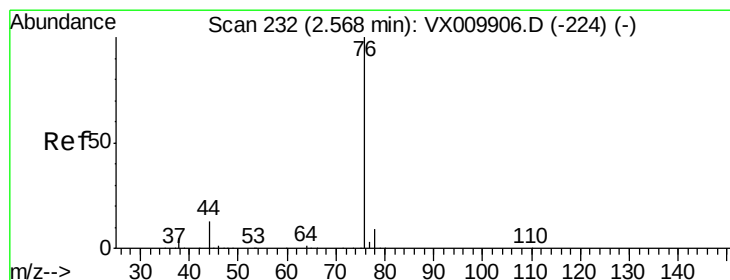
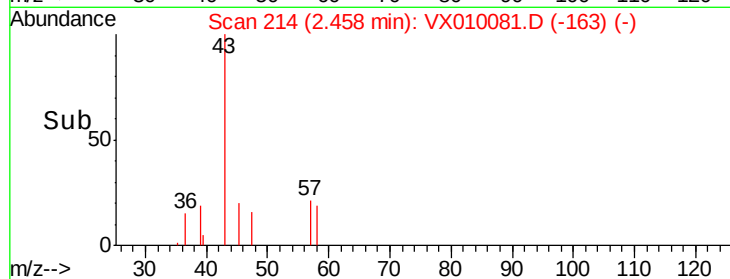
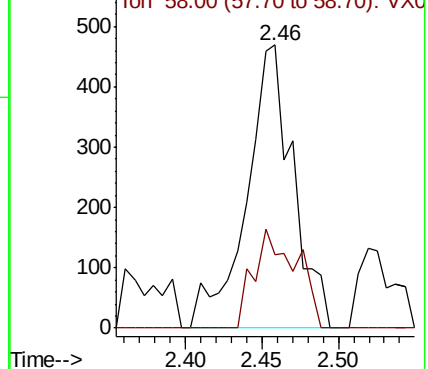
Ion Ratio Lower Upper

43 100

58 26.0 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 0.457 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX010081.D

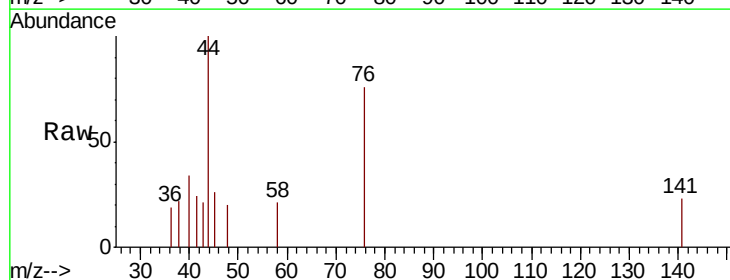
Acq: 05 Jun 2019 16:51

Tgt Ion: 76 Resp: 375

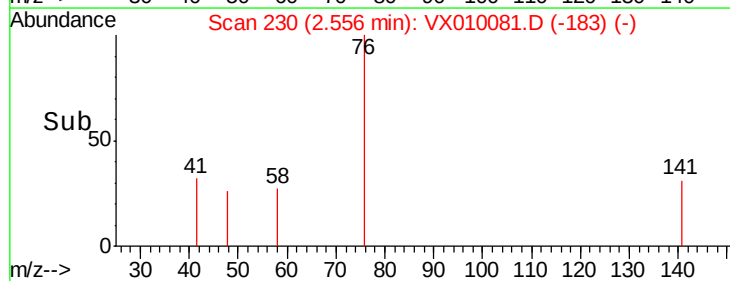
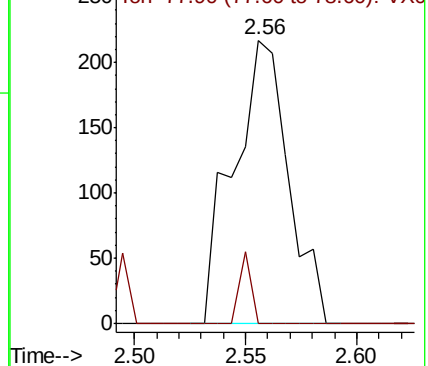
Ion Ratio Lower Upper

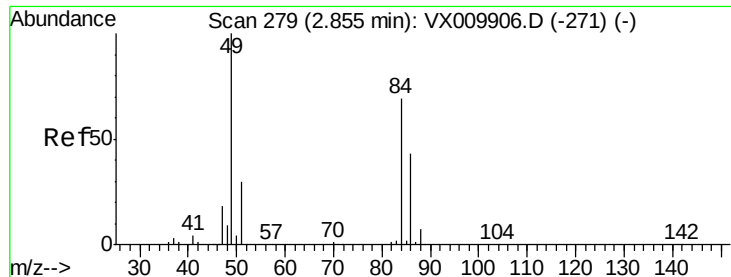
76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

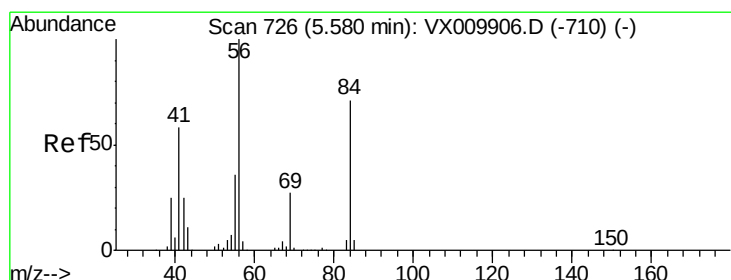
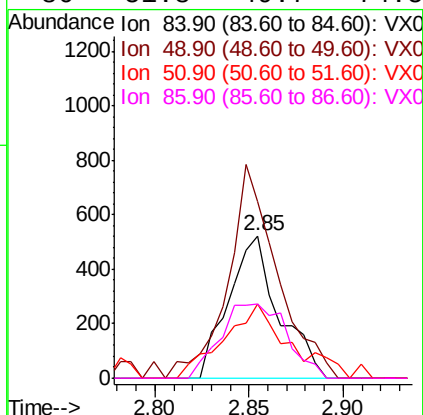
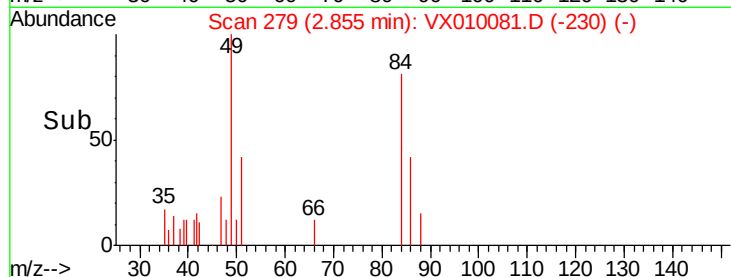
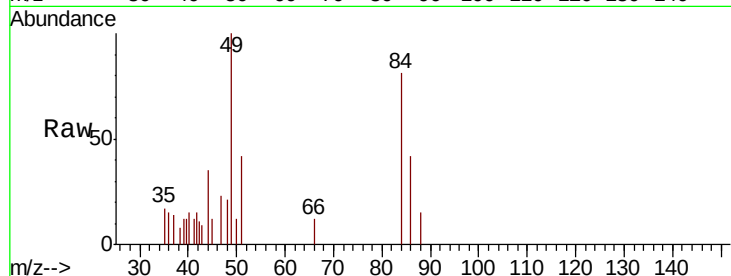




#20
Methvlene Chloride
Concen: 0.456 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010081.D
Acq: 05 Jun 2019 16:51

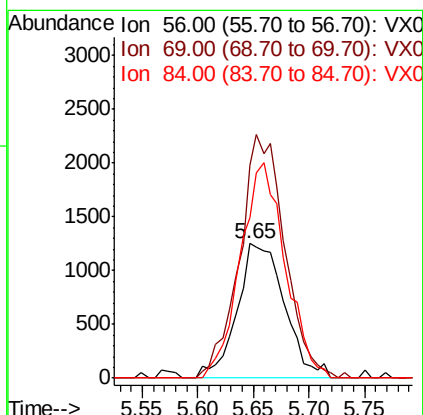
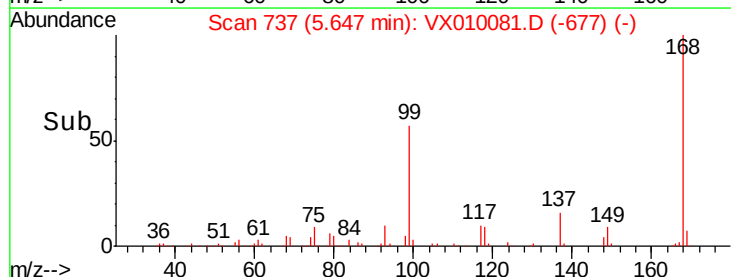
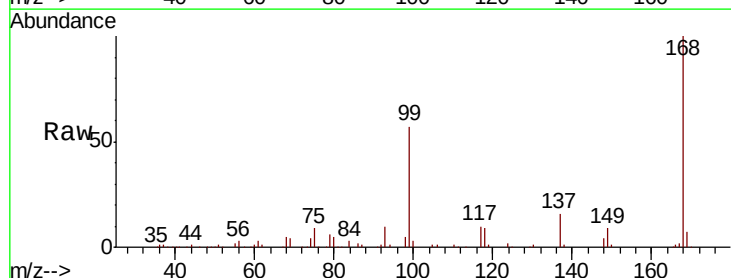
Instrument :
MSVOA_X
ClientSampleId :

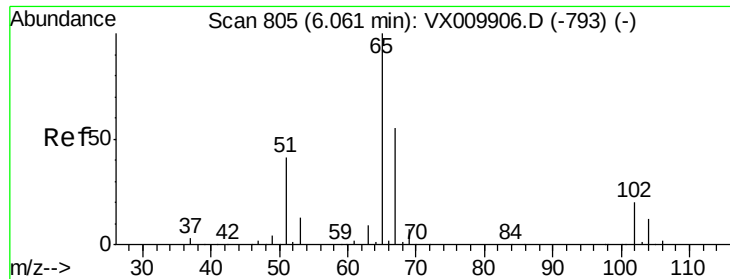
Tot Ion:	84	Resp:	961
Ion	Ratio	Lower	Upper
84	100		
49	123.9	115.8	173.6
51	41.9	34.4	51.6
86	51.8	49.7	74.5



#31
Cyclohexane
Concen: 1.027 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX010081.D
Acq: 05 Jun 2019 16:51

Tgt Ion:	56	Resp:	3718
Ion	Ratio	Lower	Upper
56	100		
69	157.8	21.6	32.4#
84	119.2	56.8	85.2#

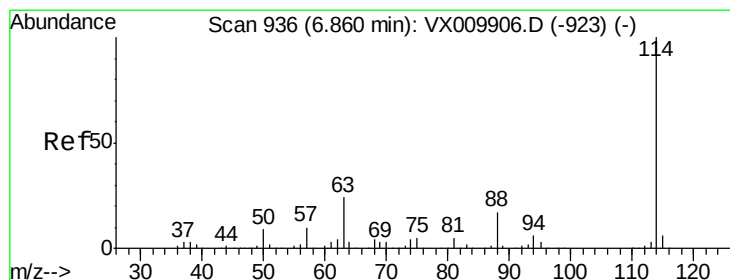
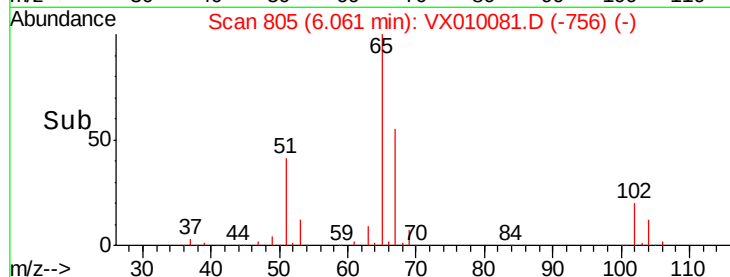
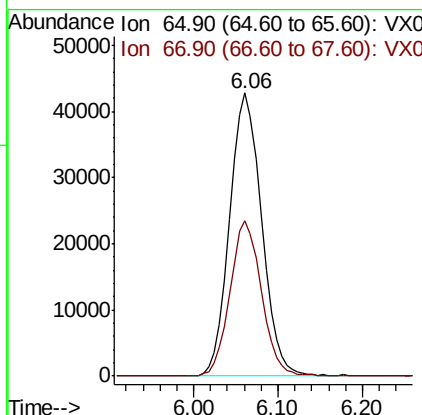
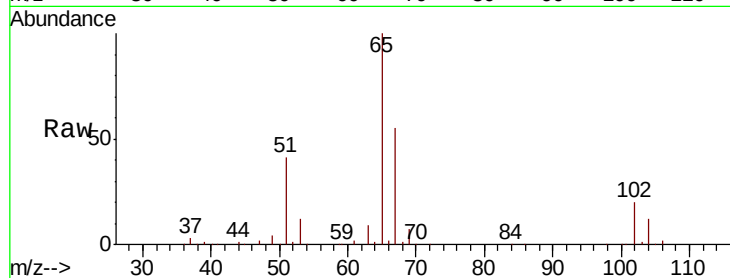




#33
 1,2-Dichloroethane-d4
 Concen: 46.469 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010081.D
 Acq: 05 Jun 2019 16:51

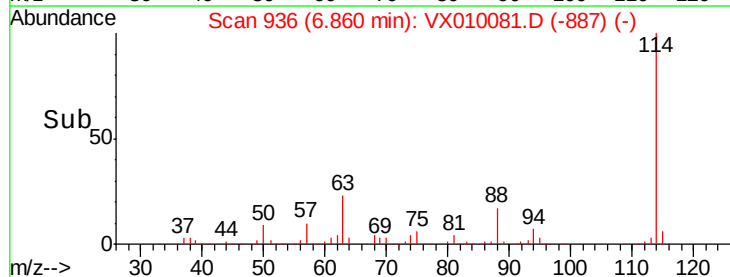
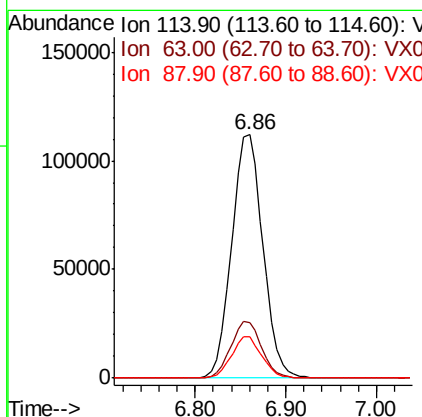
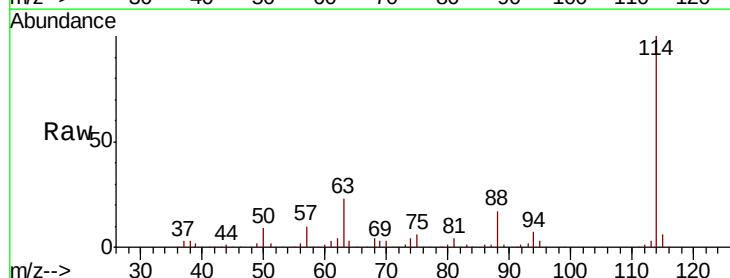
Instrument :
 MSVOA_X
 ClientSampleId :

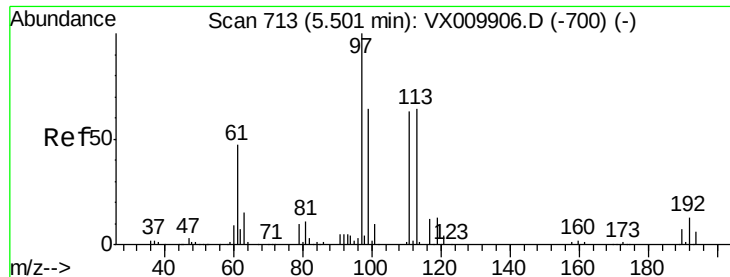
Tot Ion: 65 Resp: 110568
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010081.D
 Acq: 05 Jun 2019 16:51

Tgt Ion: 114 Resp: 267971
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.4
 88 17.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.480 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010081.D

Acq: 05 Jun 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

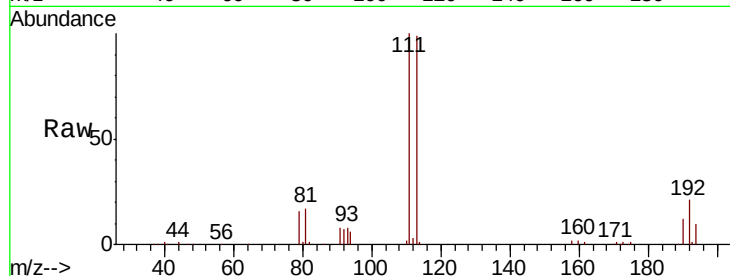
Tot Ion:113 Resp: 81677

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

192 21.7 17.1 25.7

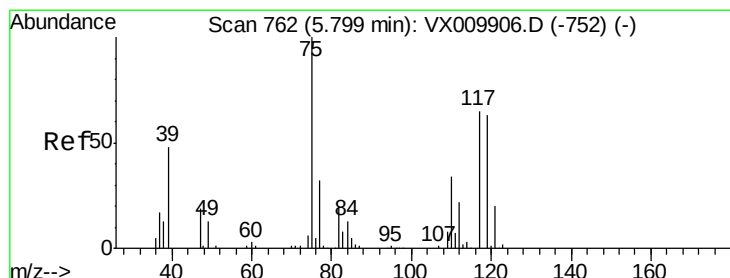
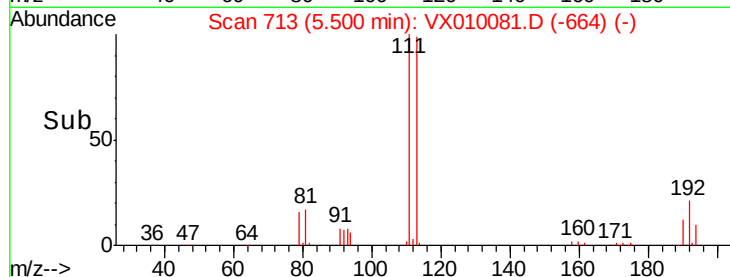
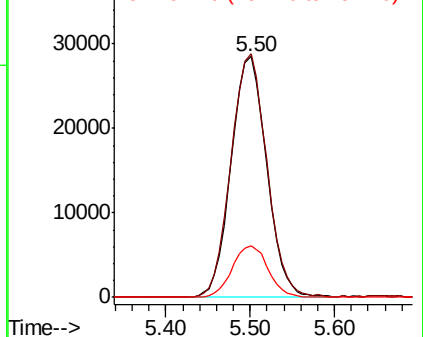


Abundance

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: 4.859 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010081.D

Acq: 05 Jun 2019 16:51

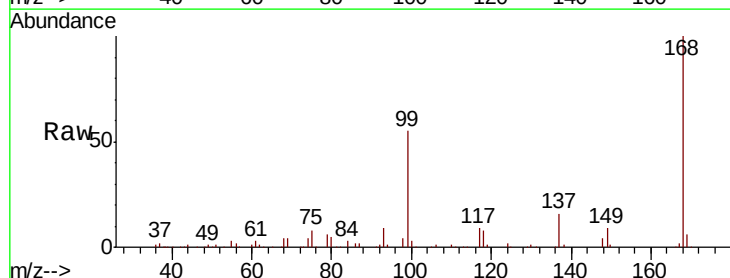
Tgt Ion: 75 Resp: 13212

Ion Ratio Lower Upper

75 100

110 8.7 16.7 50.1#

77 0.0 25.0 37.4#

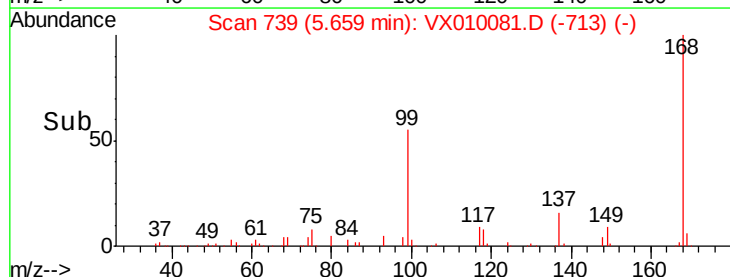
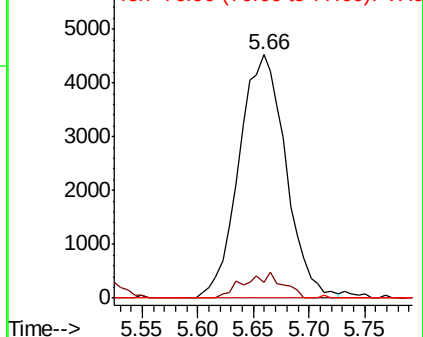


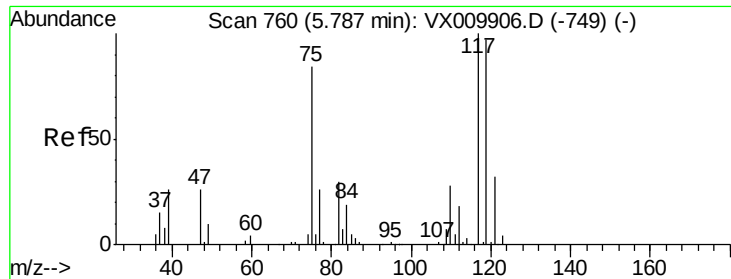
Abundance

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: 6.717 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010081.D

Acq: 05 Jun 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

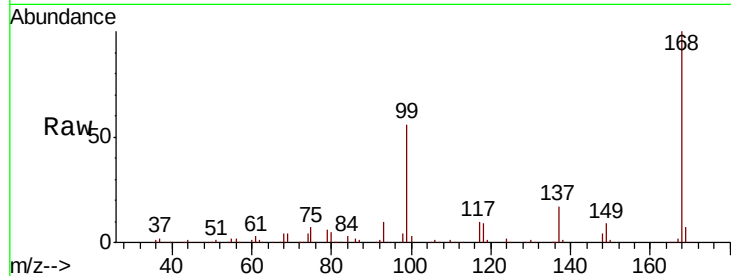
Tot Ion:117 Resp: 15781

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

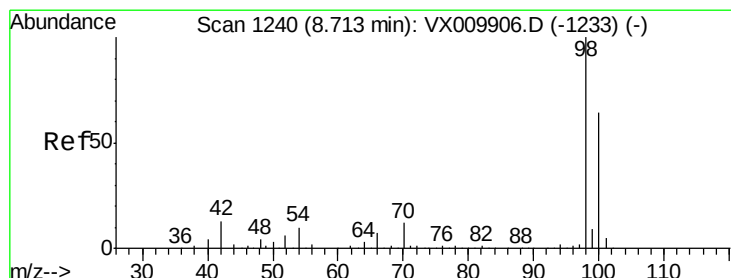
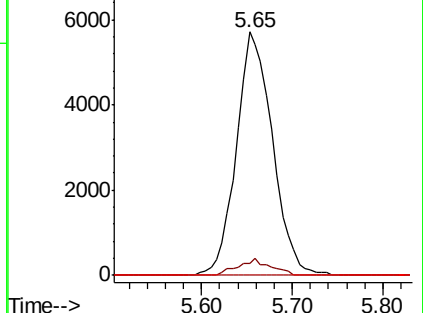
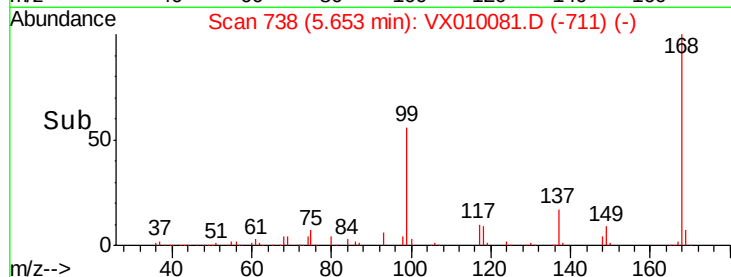
121 0.0 25.4 38.0#



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: 50.296 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010081.D

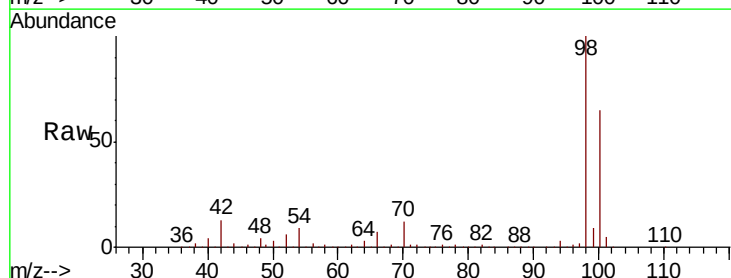
Acq: 05 Jun 2019 16:51

Tgt Ion: 98 Resp: 344092

Ion Ratio Lower Upper

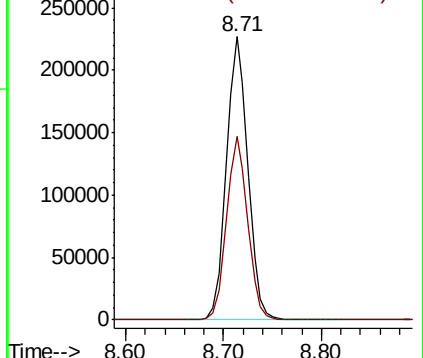
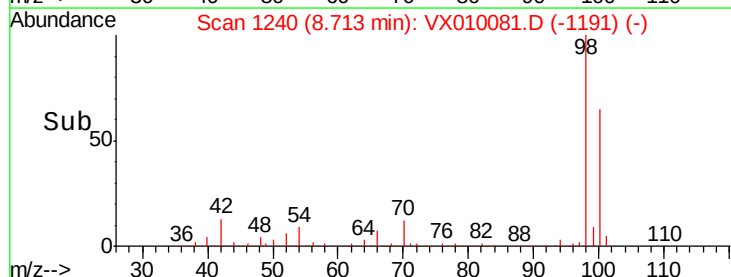
98 100

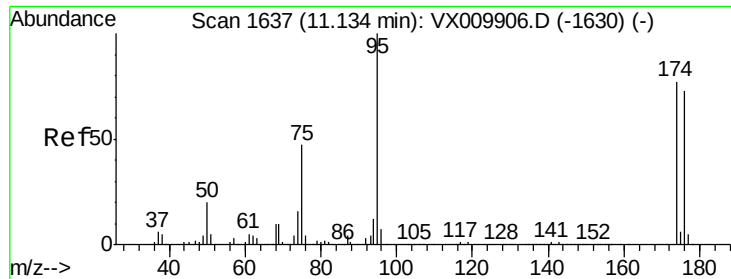
100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.116 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010081.D

Acq: 05 Jun 2019 16:51

Instrument :

MSVOA_X

ClientSampled :

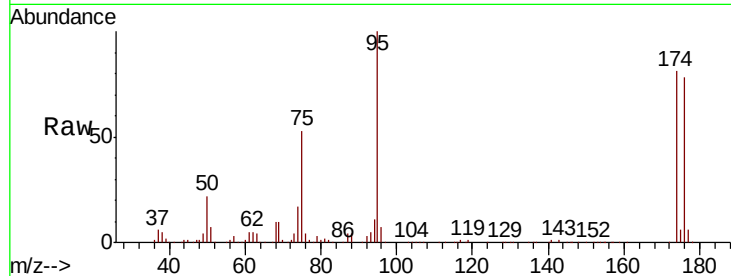
Tot Ion: 95 Resp: 118236

Ion Ratio Lower Upper

95 100

174 84.0 0.0 160.4

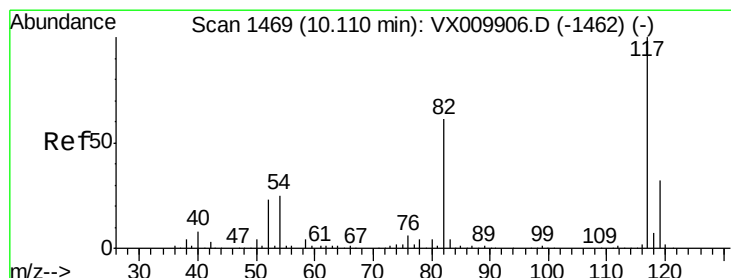
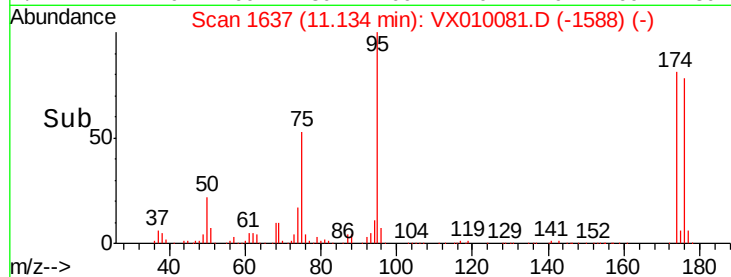
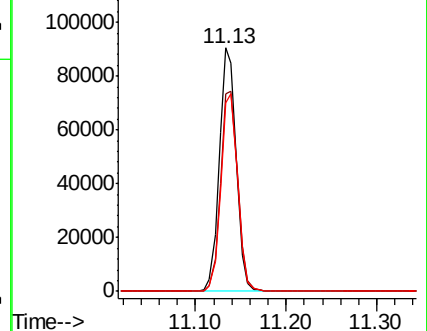
176 80.7 0.0 154.6



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# 1469

Delta R.T. -0.00 min

Lab File: VX010081.D

Acq: 05 Jun 2019 16:51

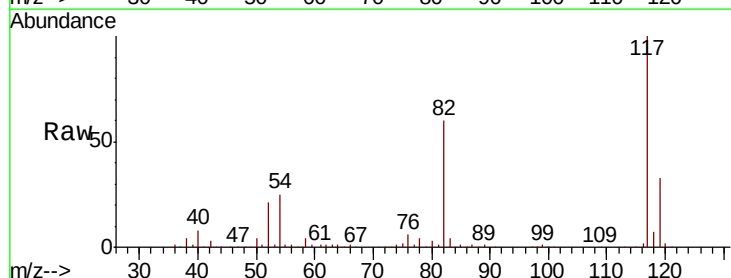
Tgt Ion: 117 Resp: 246585

Ion Ratio Lower Upper

117 100

82 60.3 49.2 73.8

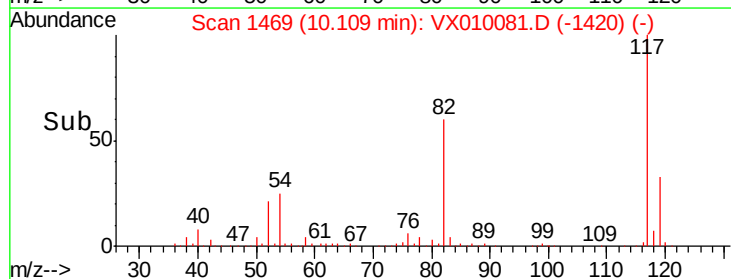
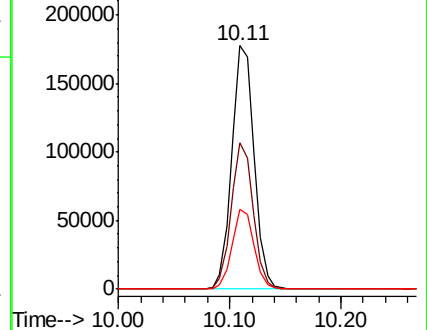
119 32.8 25.2 37.8

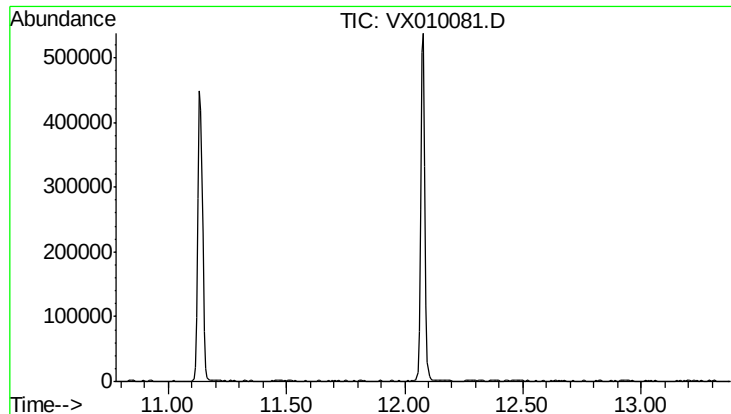


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.08 min
 Lab File: VX010081.D
 Acq: 05 Jun 2019 16:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	152
Sig	Exp Ratio
152	100
115	82.8
150	172.6

