

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012937.D
 Acq On : 09 Oct 2019 13:02
 Operator : JC/SP
 Sample : K5214-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:36:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	303508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96972	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	117940	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
35) Dibromofluoromethane	5.49	113	90511	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	8.71	98	352679	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.14	95	120720	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

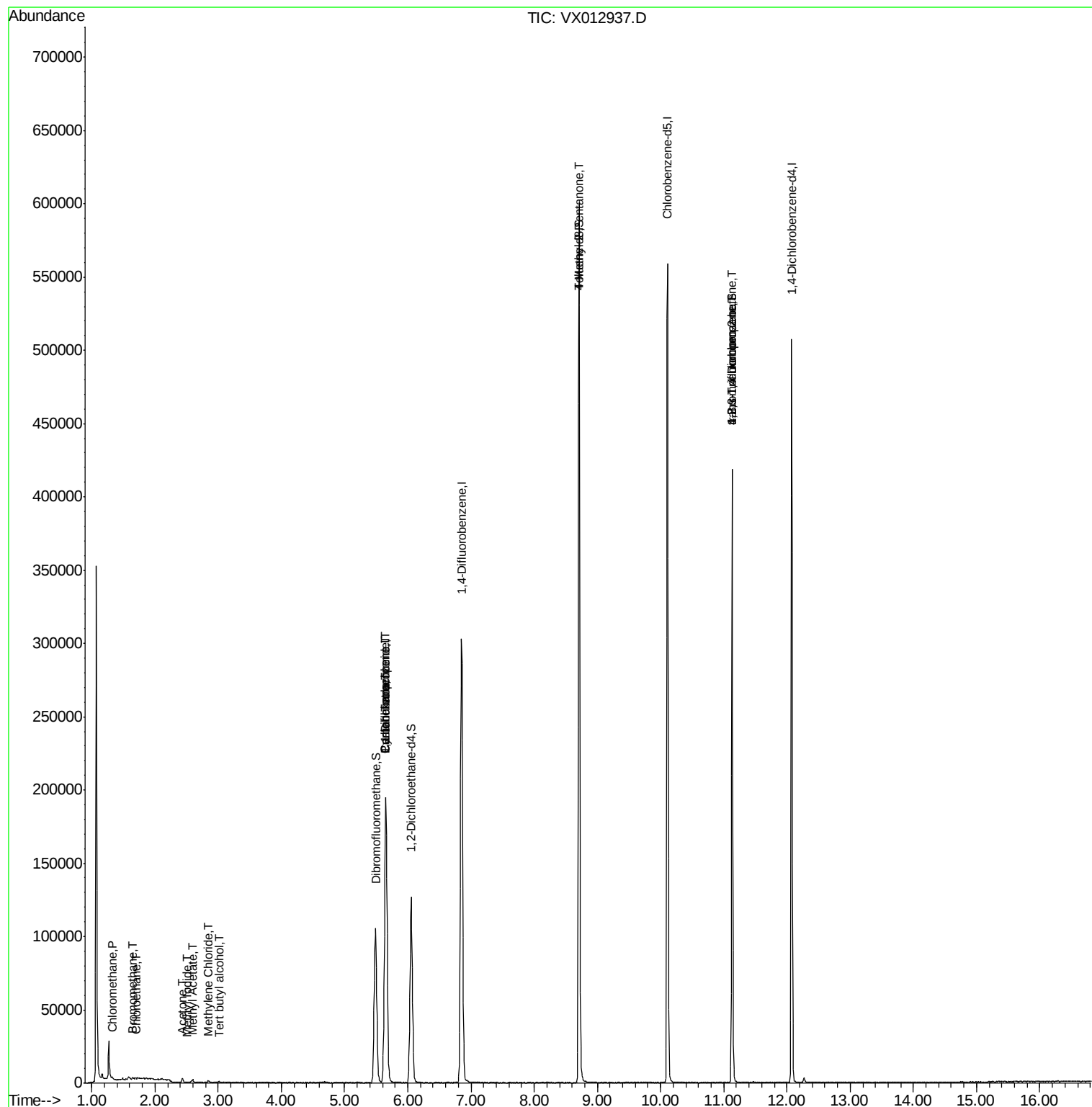
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	605	0.299	ug/l	89
5) Bromomethane	1.65	94	399	0.459	ug/l	84
6) Chloroethane	1.70	64	339	0.631	ug/l #	43
10) Methyl Iodide	2.50	142	128	5.137	ug/l #	40
11) Tert butyl alcohol	3.01	59	744	1.230	ug/l #	72
16) Acetone	2.43	43	2777	2.310	ug/l #	86
18) Methyl Acetate	2.59	43	681	0.239	ug/l #	51
20) Methylene Chloride	2.84	84	567	0.257	ug/l #	78
31) Cyclohexane	5.65	56	3687	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14622	5.480	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18863	7.262	ug/l #	17
51) 4-Methyl-2-Pentanone	8.70	43	1544	0.517	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	59803	27.805	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	59803	69.743	ug/l #	10

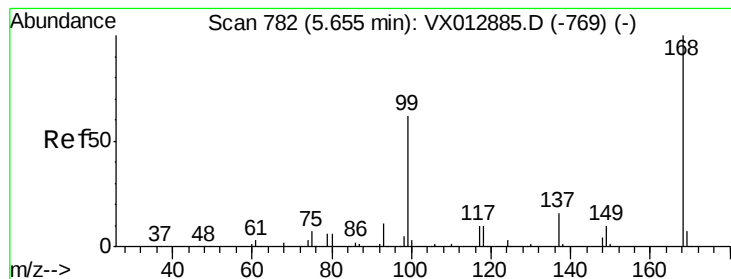
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100919\
Data File : VX012937.D
Acq On : 09 Oct 2019 13:02
Operator : JC/SP
Sample : K5214-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 10 01:36:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

Instrument :

MSVOA_X

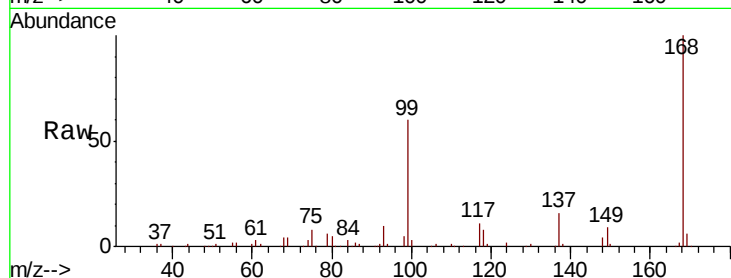
ClientSampleId :

Tot Ion:168 Resp: 182495

Ion Ratio Lower Upper

168 100

99 60.0 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): VX012885.D (-769) (-)

Ion 98.90 (98.60 to 99.60): VX012885.D (-769) (-)

5.65

60000

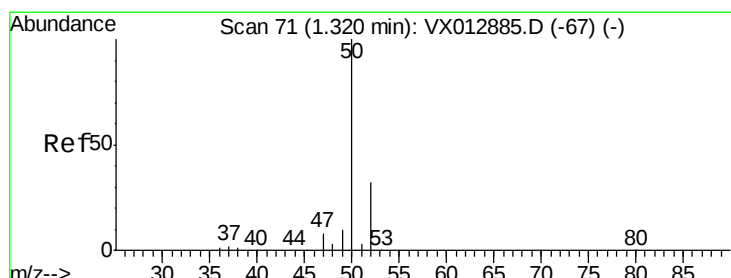
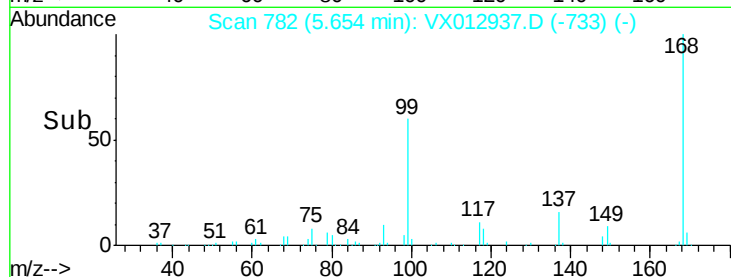
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.299 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012937.D

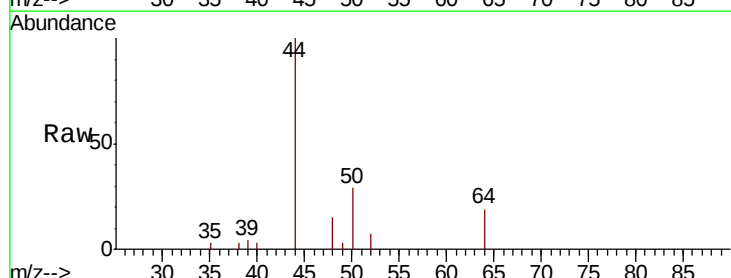
Acq: 09 Oct 2019 13:02

Tgt Ion: 50 Resp: 605

Ion Ratio Lower Upper

50 100

52 25.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX012885.D (-67) (-)

Ion 51.90 (51.60 to 52.60): VX012885.D (-67) (-)

1.32

800

600

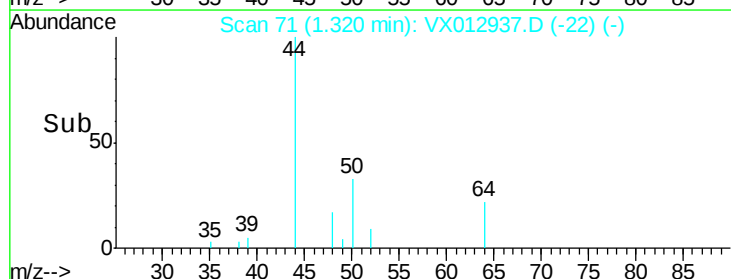
400

200

0

Time-->

1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.459 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

Instrument :

MSVOA_X

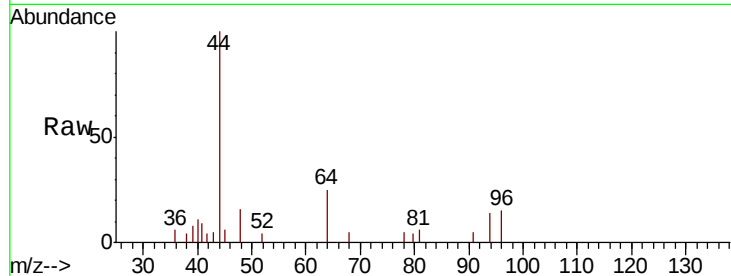
ClientSampleId :

Tot Ion: 94 Resp: 399

Ion Ratio Lower Upper

94 100

96 108.5 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

100

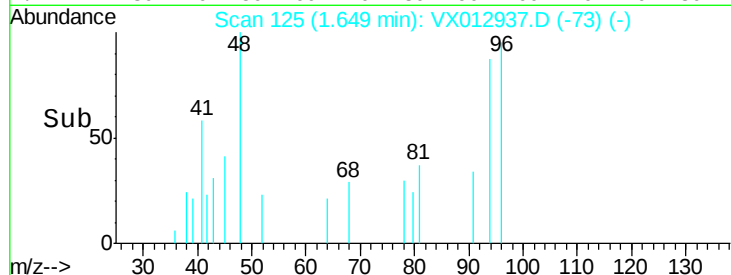
50

0

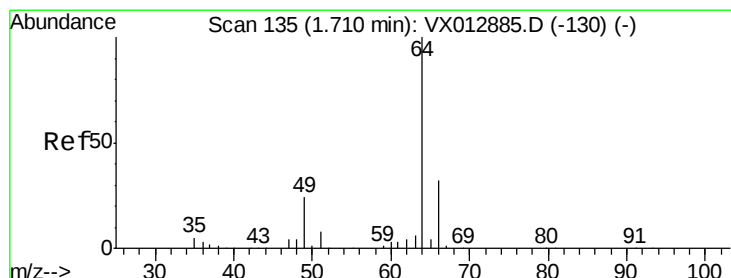
1.60

1.65

1.70



Time-->



#6

Chloroethane

Concen: 0.631 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012937.D

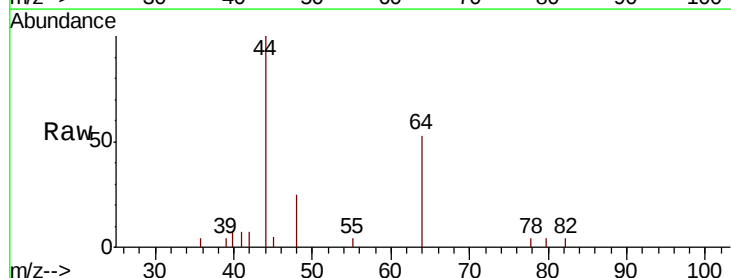
Acq: 09 Oct 2019 13:02

Tgt Ion: 64 Resp: 339

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

800

600

400

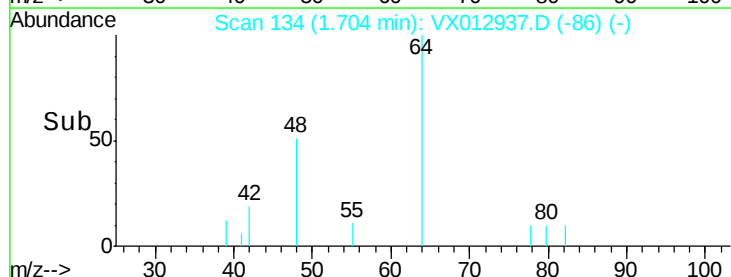
200

0

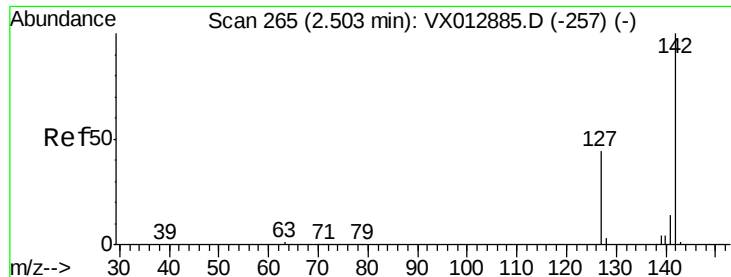
1.68

1.70

1.72



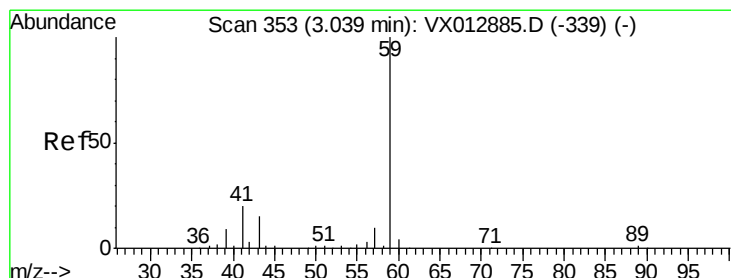
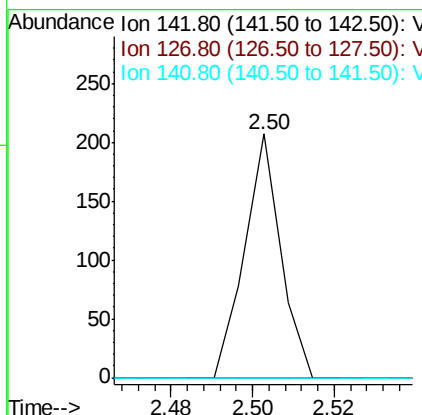
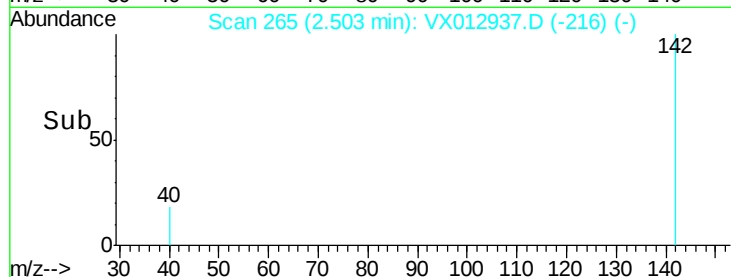
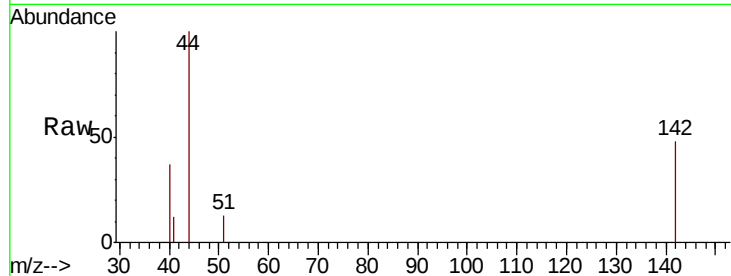
Time-->



#10
Methvl Iodide
Concen: 5.137 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX012937.D
Acq: 09 Oct 2019 13:02

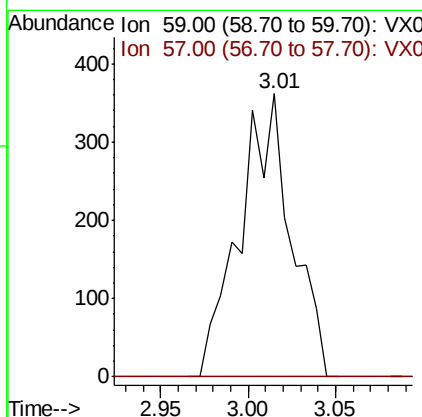
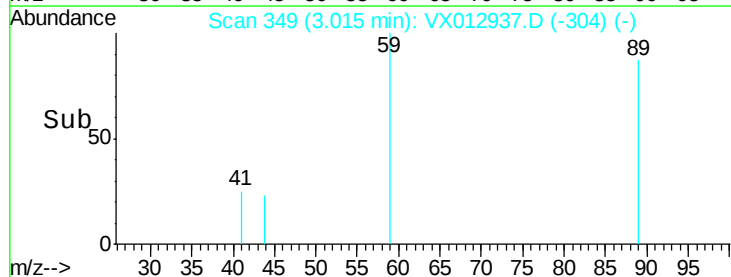
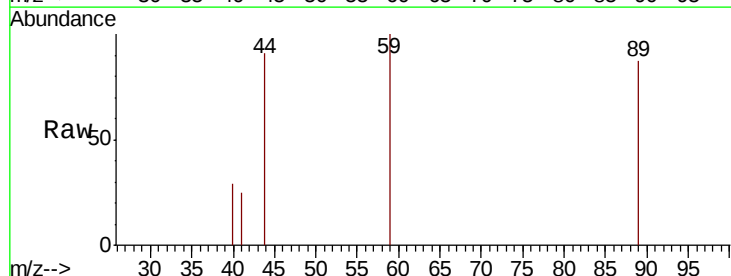
Instrument :
MSVOA_X
ClientSampled :

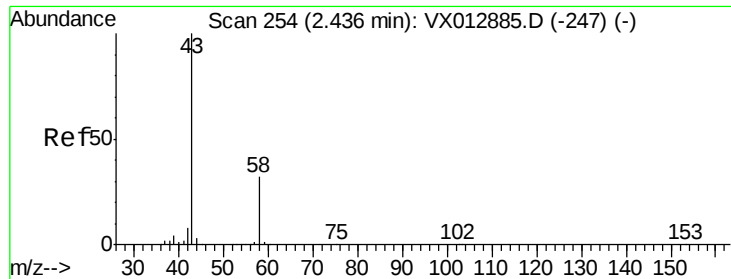
Tot Ion:142 Resp: 128
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.230 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012937.D
Acq: 09 Oct 2019 13:02

Tgt Ion: 59 Resp: 744
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 2.310 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

Instrument :

MSVOA_X

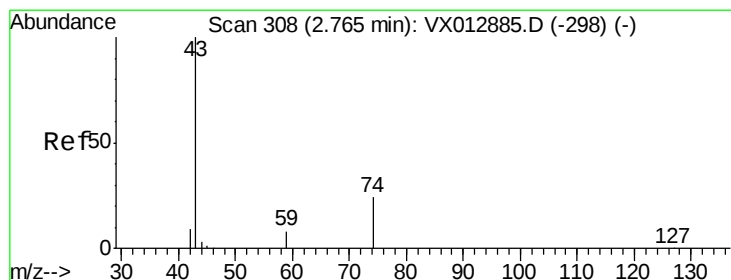
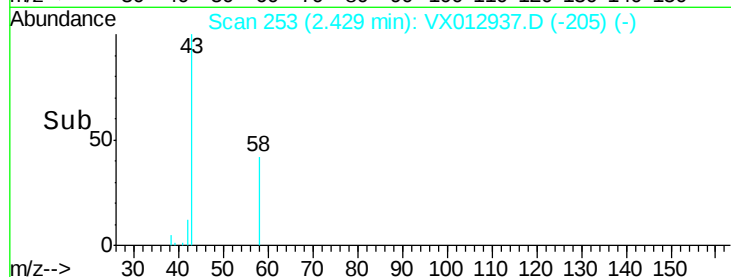
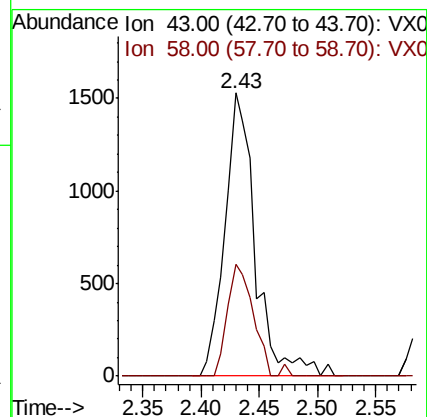
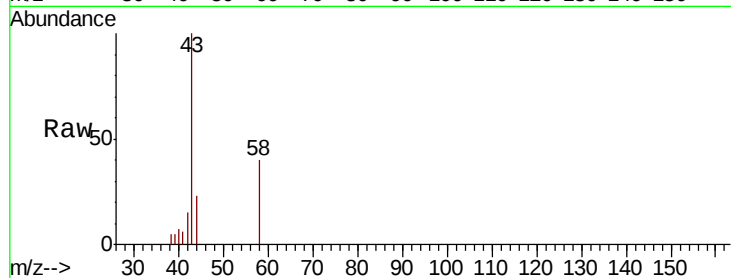
ClientSampleId :

Tot Ion: 43 Resp: 2777

Ion Ratio Lower Upper

43 100

58 39.6 25.4 38.2#



#18

Methyl Acetate

Concen: 0.239 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012937.D

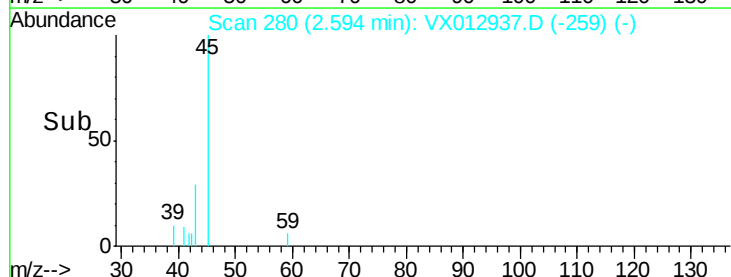
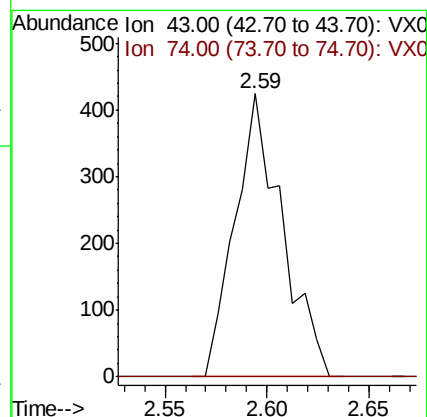
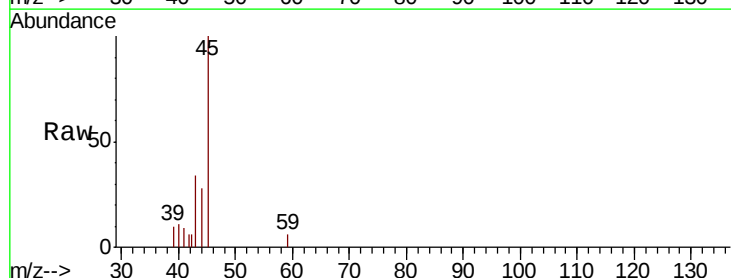
Acq: 09 Oct 2019 13:02

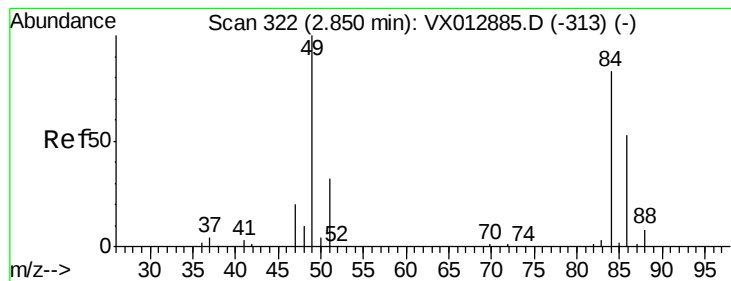
Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#20

Methylene Chloride

Concen: 0.257 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 567

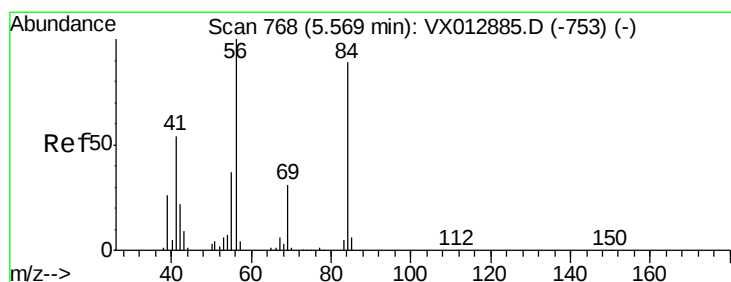
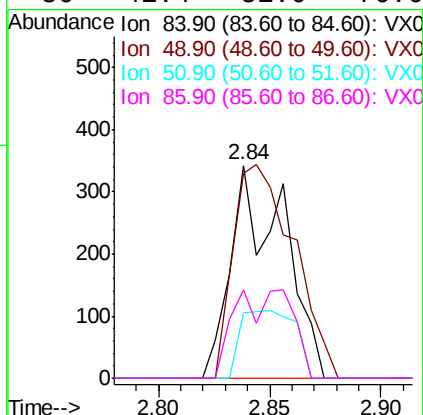
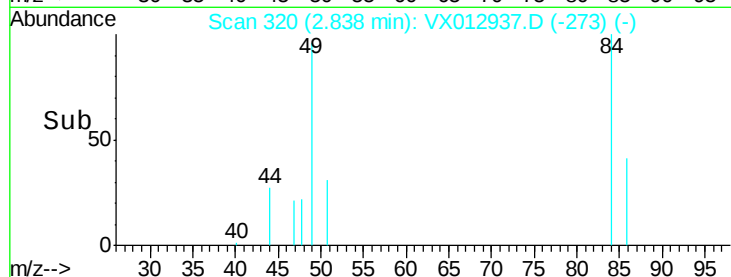
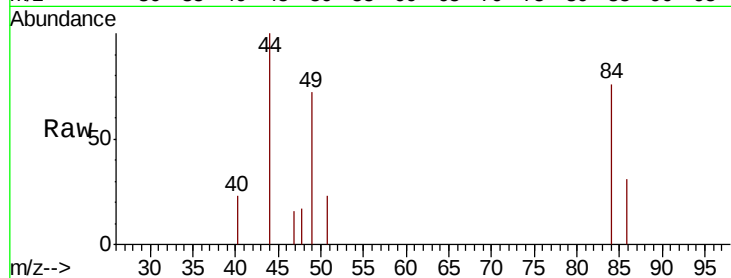
Ion Ratio Lower Upper

84 100

49 95.9 96.6 144.8#

51 30.6 30.7 46.1#

86 41.4 51.0 76.6#



#31

Cyclohexane

Concen: 1.114 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

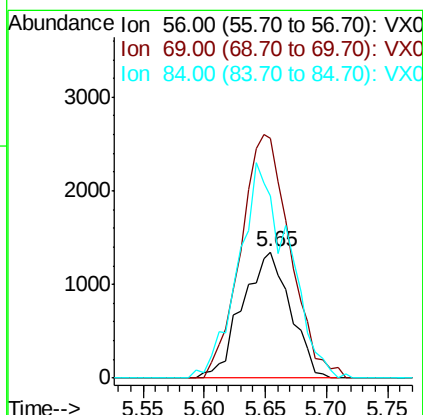
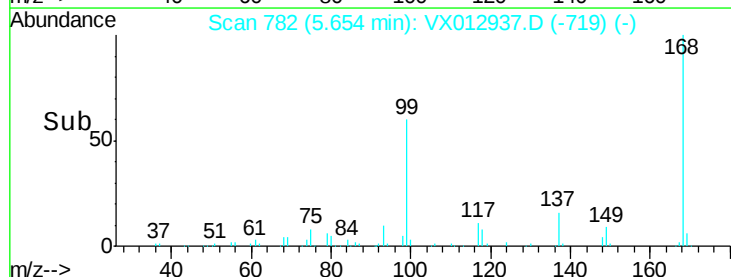
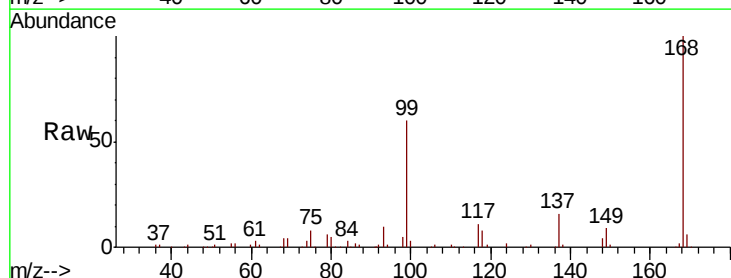
Tgt Ion: 56 Resp: 3687

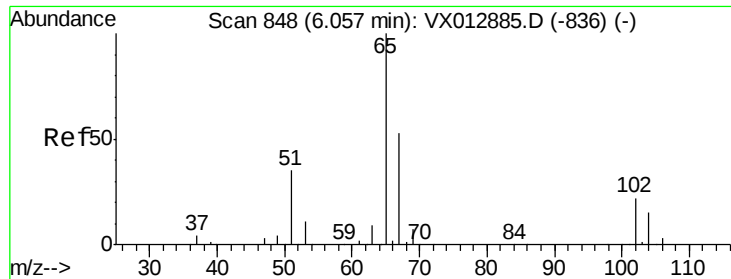
Ion Ratio Lower Upper

56 100

69 190.5 25.2 37.8#

84 144.9 71.3 106.9#

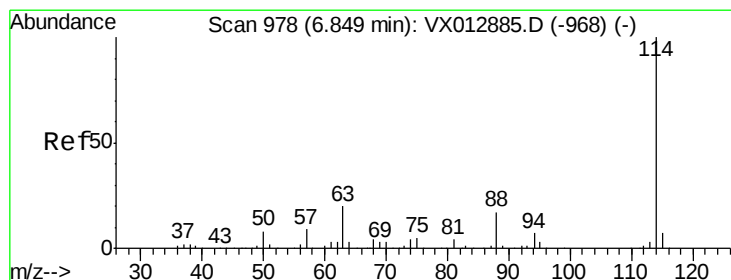
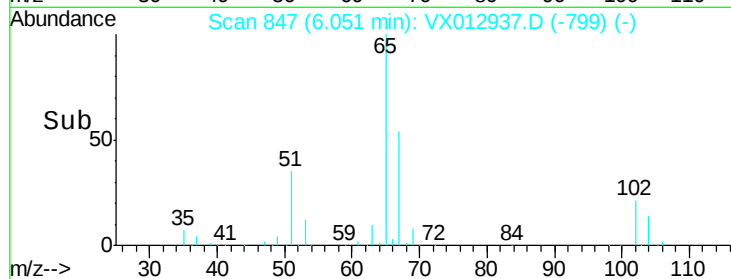
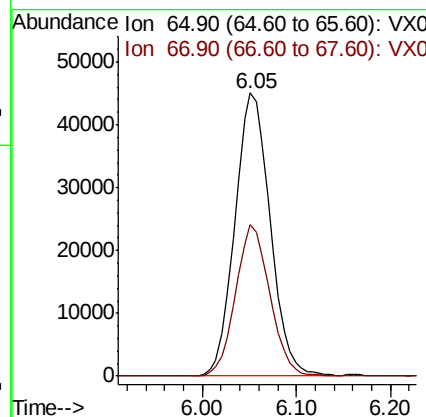
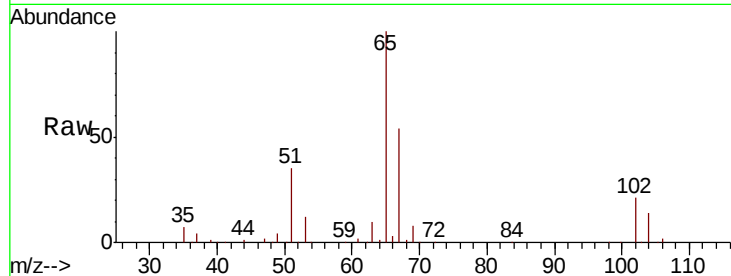




#33
 1,2-Dichloroethane-d4
 Concen: 51.706 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012937.D
 Acq: 09 Oct 2019 13:02

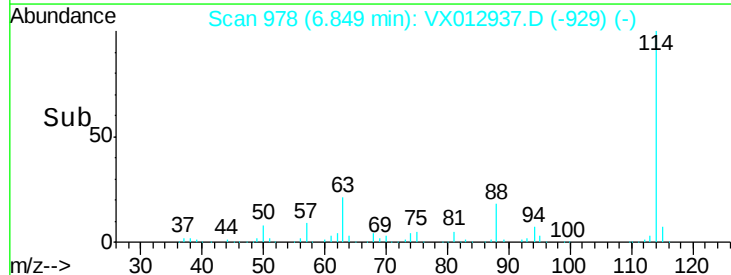
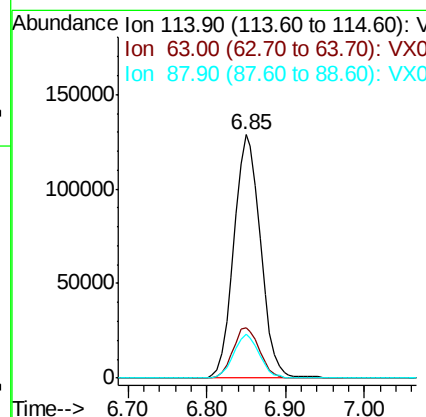
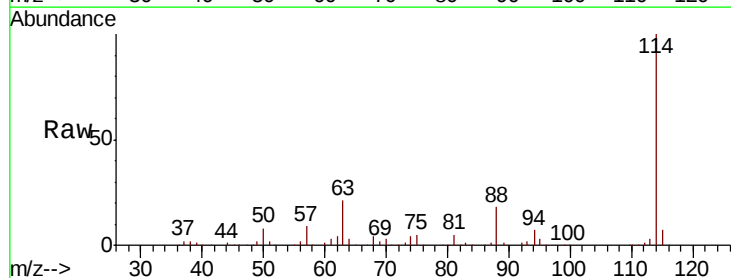
Instrument :
 MSVOA_X
 ClientSampleId :

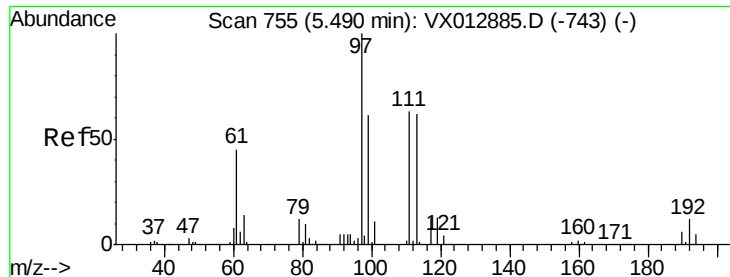
Tot Ion: 65 Resp: 117940
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012937.D
 Acq: 09 Oct 2019 13:02

Tgt Ion: 114 Resp: 303508
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 17.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.959 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

Instrument :

MSVOA_X

ClientSampleId :

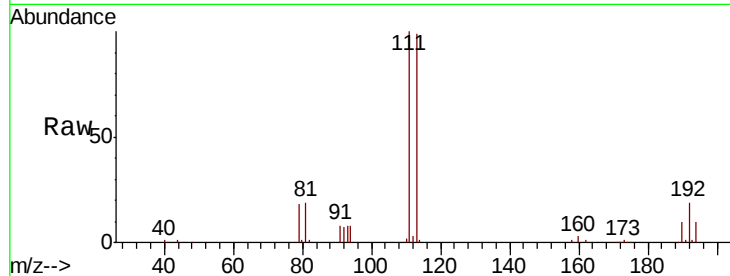
Tot Ion:113 Resp: 90511

Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

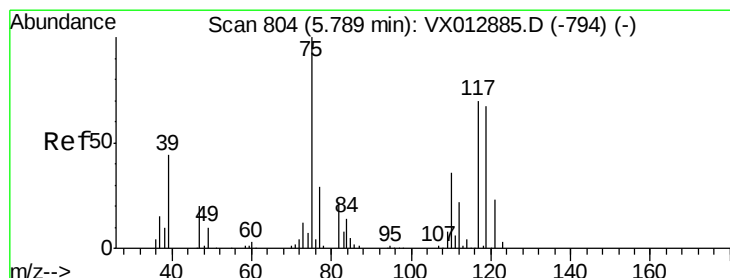
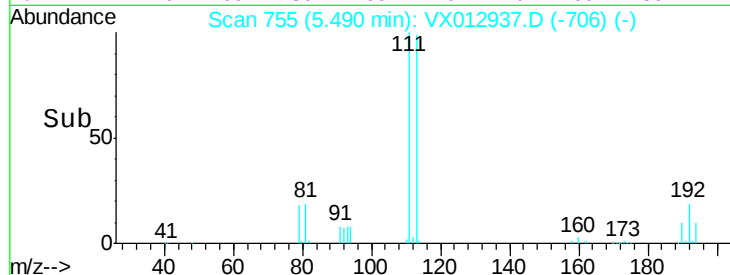
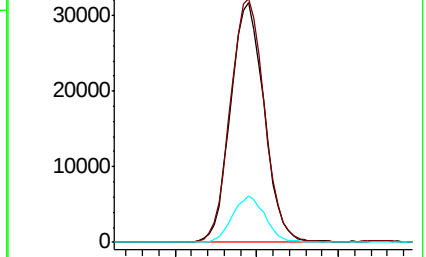
192 18.7 15.4 23.2



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: 5.480 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

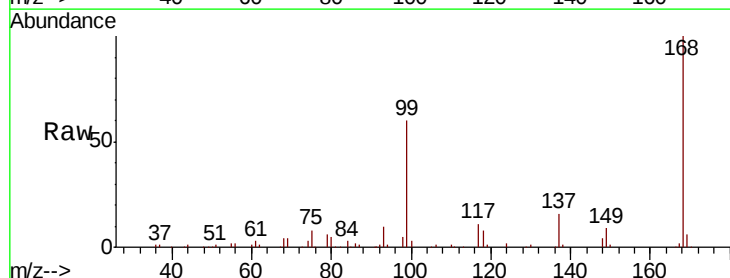
Tgt Ion: 75 Resp: 14622

Ion Ratio Lower Upper

75 100

110 8.9 17.6 52.9#

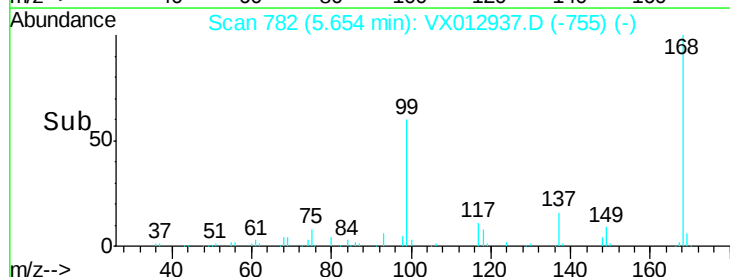
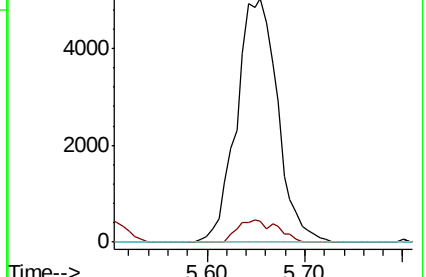
77 0.0 24.4 36.6#

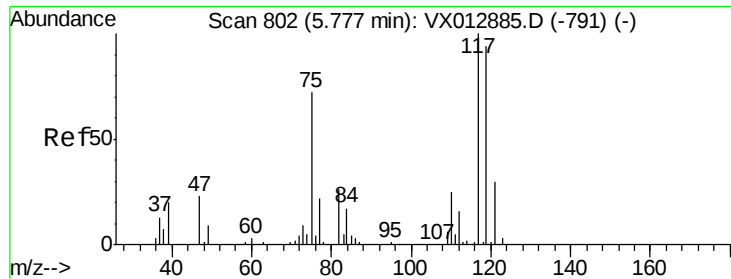


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

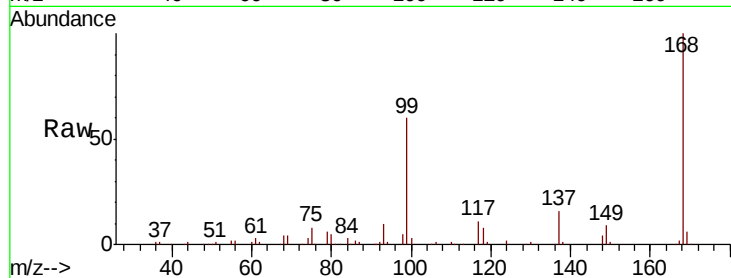




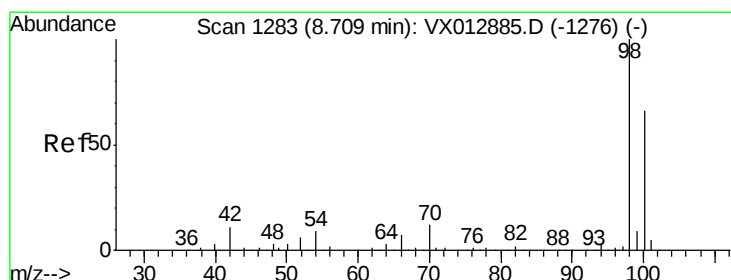
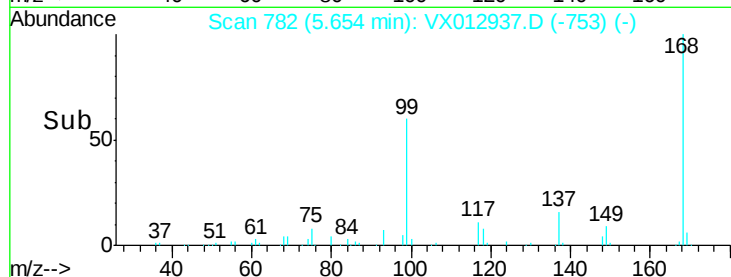
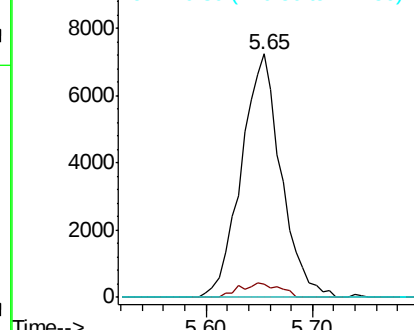
#38
Carbon Tetrachloride
Concen: 7.262 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012937.D
Acq: 09 Oct 2019 13:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18863
Ion Ratio Lower Upper
117 100
119 5.3 74.5 111.7#
121 0.0 24.2 36.4#

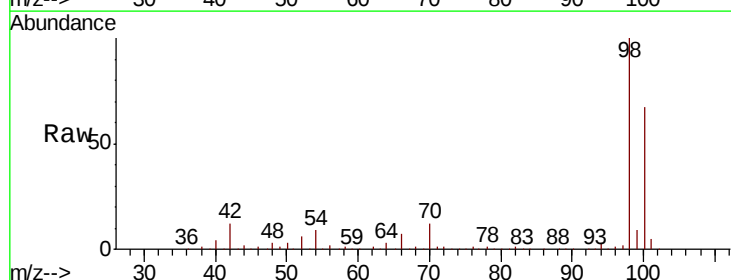


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

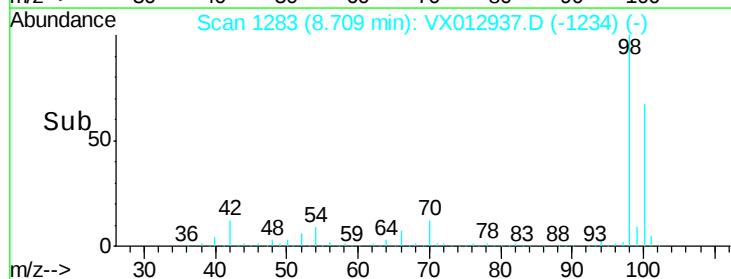
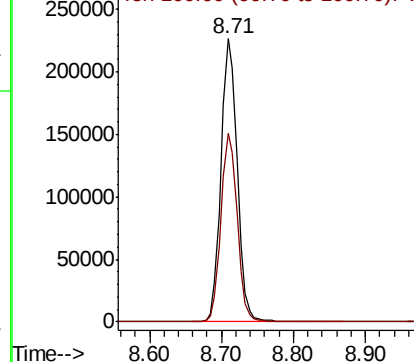


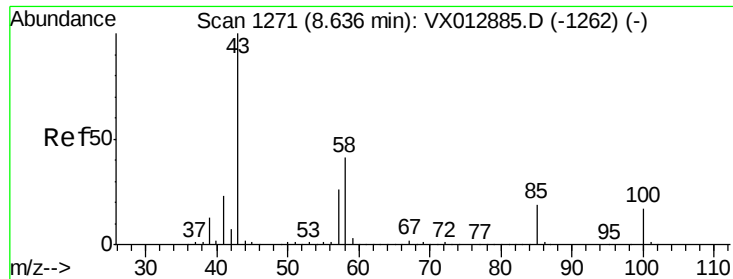
#50
Toluene-d8
Concen: 51.909 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012937.D
Acq: 09 Oct 2019 13:02

Tgt Ion: 98 Resp: 352679
Ion Ratio Lower Upper
98 100
100 66.7 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: 0.517 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

Instrument :

MSVOA_X

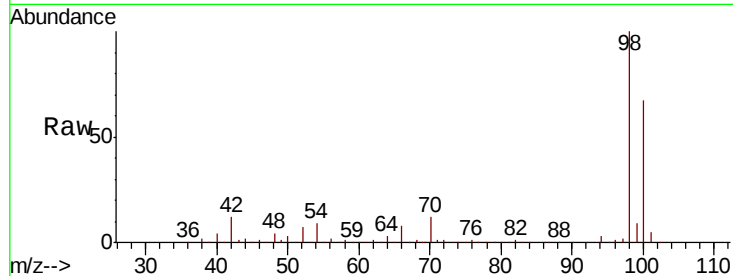
ClientSampled :

Tot Ion: 43 Resp: 1544

Ion Ratio Lower Upper

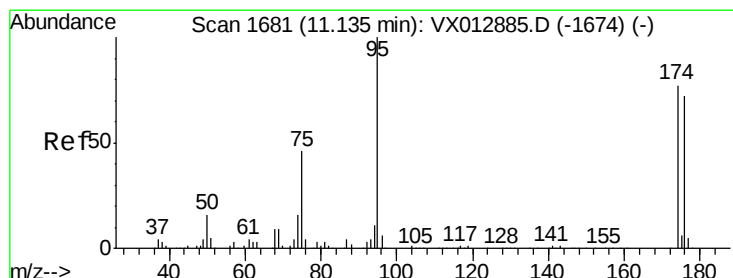
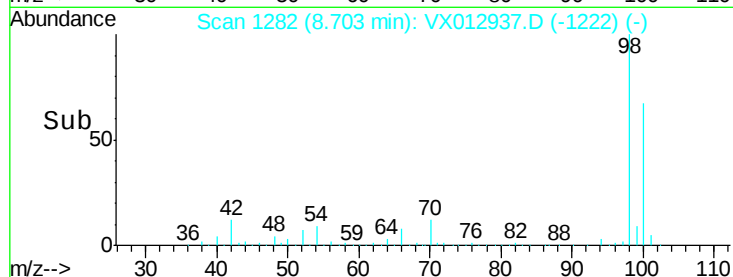
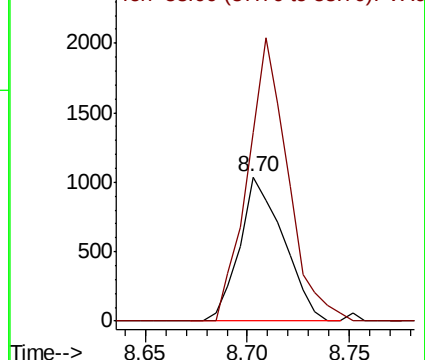
43 100

58 181.7 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.729 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

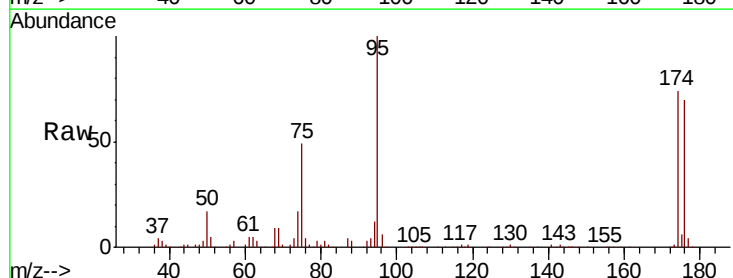
Tgt Ion: 95 Resp: 120720

Ion Ratio Lower Upper

95 100

174 71.0 0.0 143.4

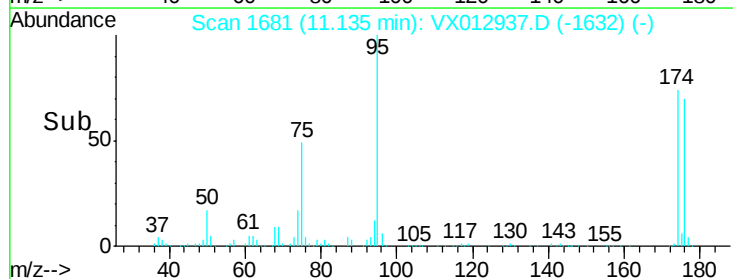
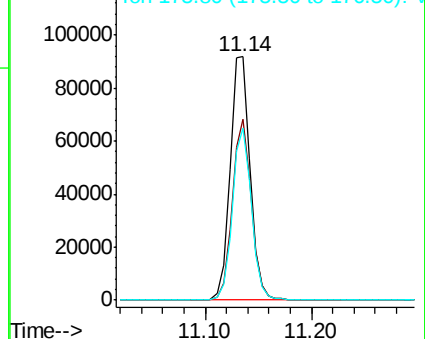
176 67.8 0.0 136.0

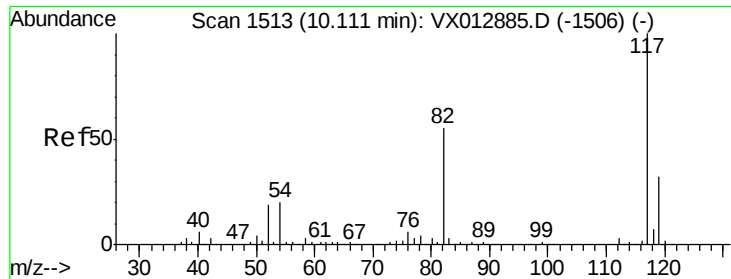


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

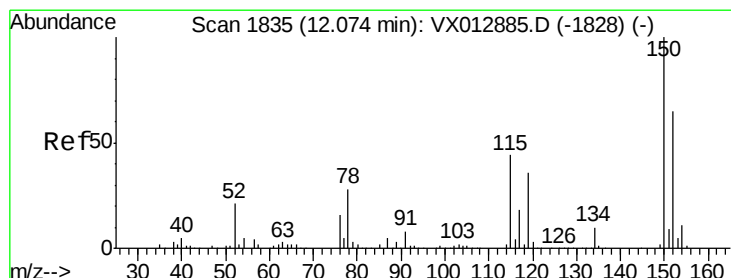
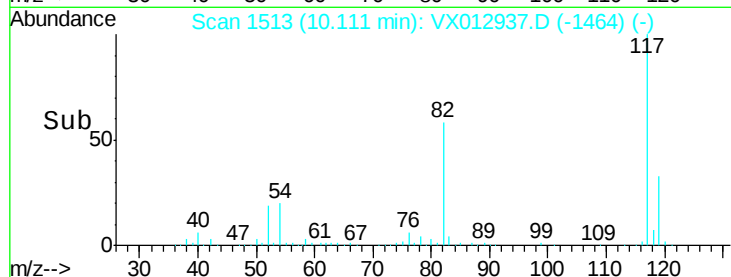
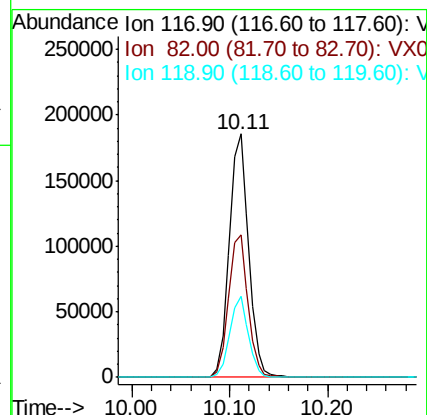
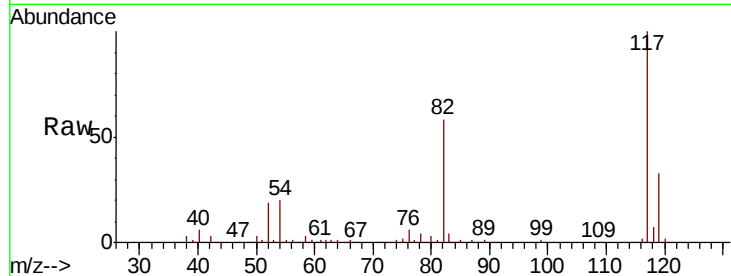




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012937.D
Acq: 09 Oct 2019 13:02

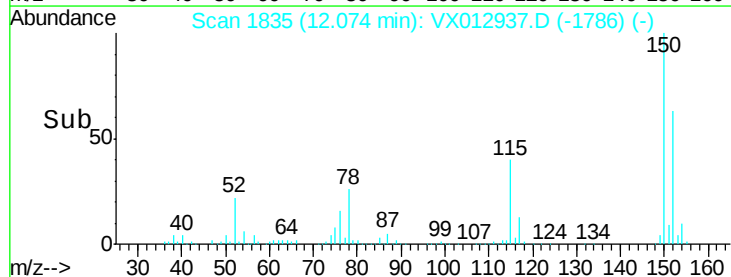
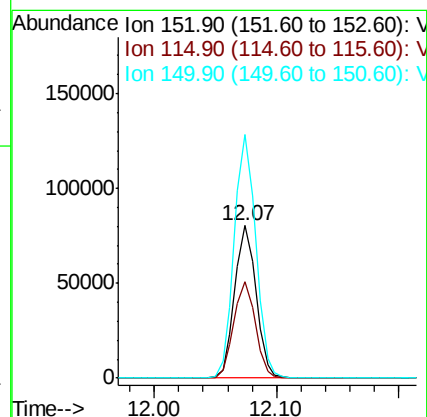
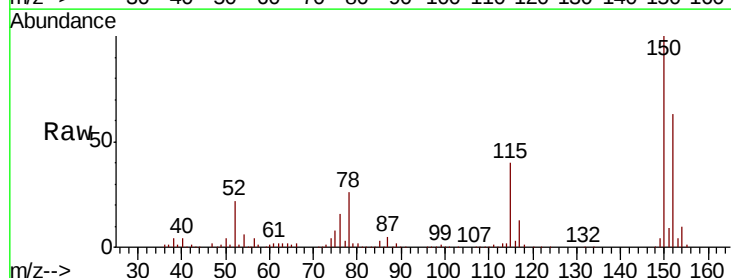
Instrument :
MSVOA_X
ClientSampleId :

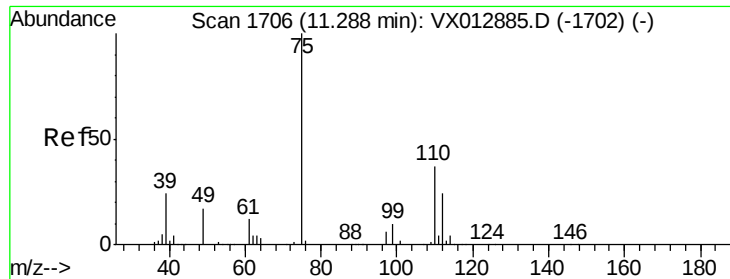
Tot Ion:117 Resp: 254778
Ion Ratio Lower Upper
117 100
82 58.4 44.1 66.1
119 33.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012937.D
Acq: 09 Oct 2019 13:02

Tgt Ion:152 Resp: 96972
Ion Ratio Lower Upper
152 100
115 64.1 44.5 133.5
150 161.1 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 27.805 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

Instrument :

MSVOA_X

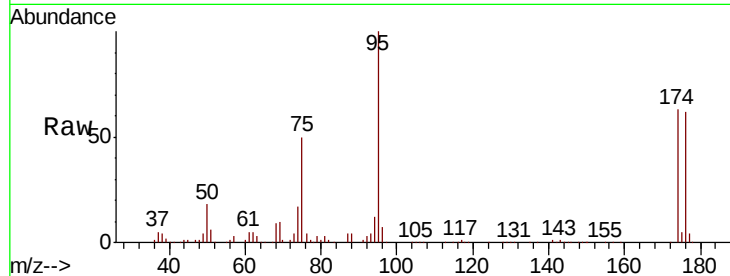
ClientSampled :

Tot Ion: 75 Resp: 59803

Ion Ratio Lower Upper

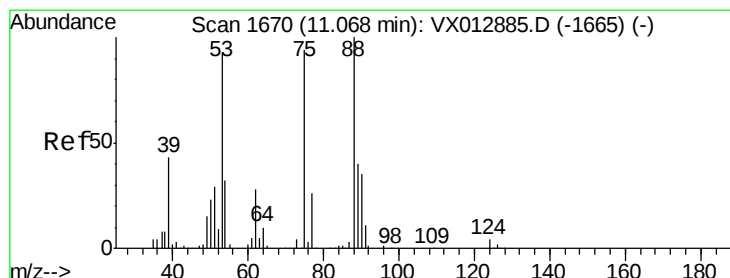
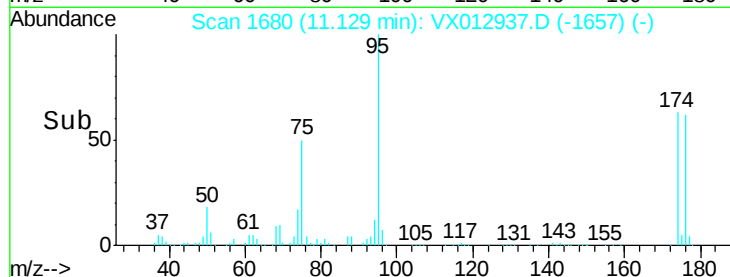
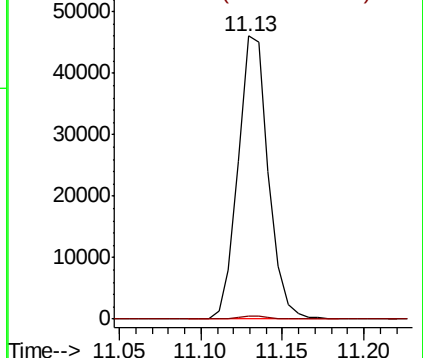
75 100

77 1.1 22.9 68.8#



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: 69.743 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012937.D

Acq: 09 Oct 2019 13:02

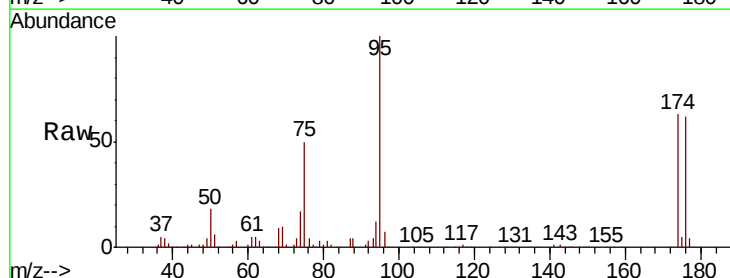
Tgt Ion: 75 Resp: 59803

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

