

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004637.D
 Acq On : 17 Sep 2018 23:32
 Operator : JC/MD
 Sample : PB112894ZHE#12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 00:58:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	219051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	309928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179888	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	143033	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
35) Dibromofluoromethane	5.50	113	134887	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	8.71	98	445011	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
62) 4-Bromofluorobenzene	11.14	95	150943	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	

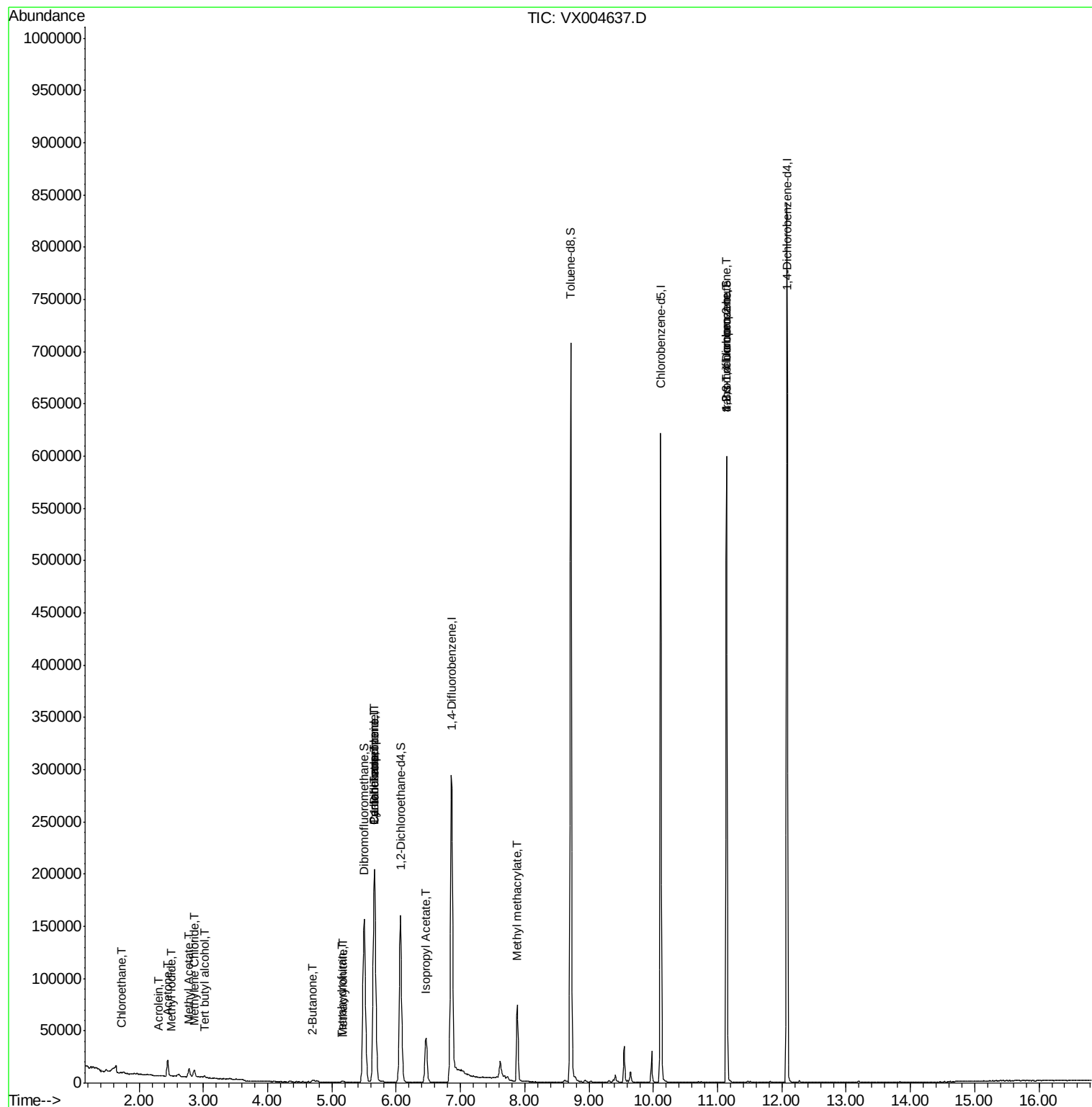
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	404	Below Cal	#	48
6) Chloroethane	1.73	64	551	0.29	ug/l #	44
10) Methyl Iodide	2.50	142	127	4.30	ug/l #	41
11) Tert butyl alcohol	3.01	59	1461	2.17	ug/l #	72
13) Acrolein	2.29	56	65	0.24	ug/l #	78
16) Acetone	2.45	43	16407	11.90	ug/l	94
18) Methyl Acetate	2.78	43	10406	2.69	ug/l	100
20) Methylene Chloride	2.85	84	3176	1.12	ug/l	96
25) 2-Butanone	4.70	43	4048	1.85	ug/l	91
29) Tetrahydrofuran	5.15	42	586	0.44	ug/l	95
31) Cyclohexane	5.66	56	3358	0.82	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13819	3.67	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19199	5.22	ug/l #	16
41) Methacrylonitrile	5.17	41	595	0.25	ug/l #	46
43) Isopropyl Acetate	6.47	43	56235	9.89	ug/l	99
48) Methyl methacrylate	7.88	41	7161	2.55	ug/l #	39
76) 1,2,3-Trichloropropane	11.14	75	70583	19.50	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	70583	62.16	ug/l #	10

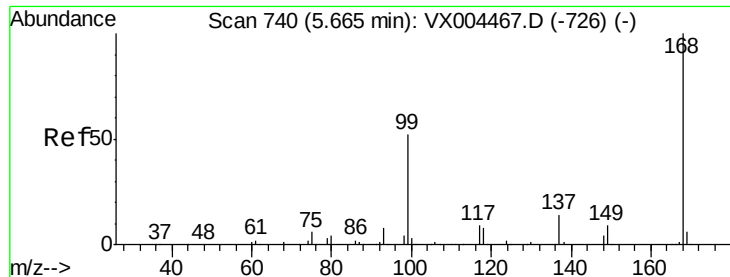
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004637.D

Acq: 17 Sep 2018 23:32

Instrument :

MSVOA_X

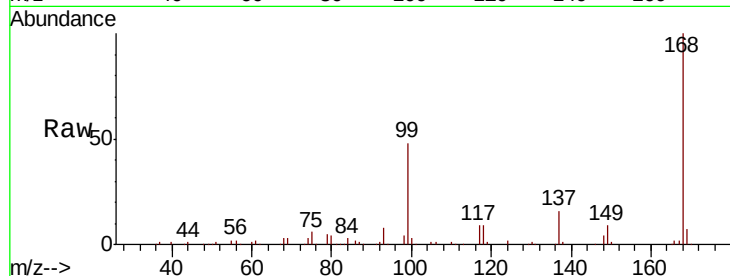
ClientSampleId :

Tot Ion:168 Resp: 219051

Ion Ratio Lower Upper

168 100

99 47.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

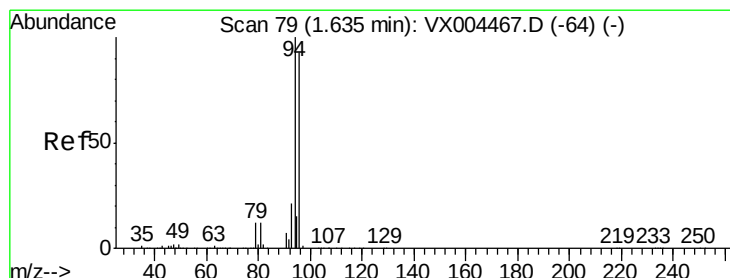
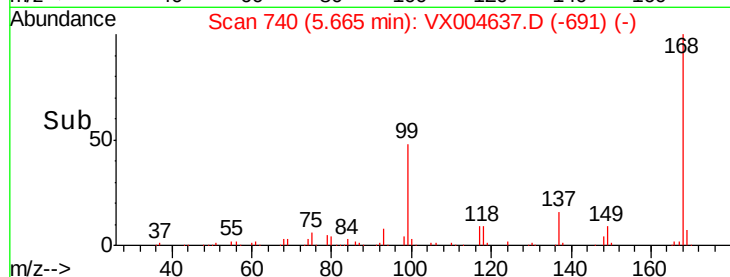
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004637.D

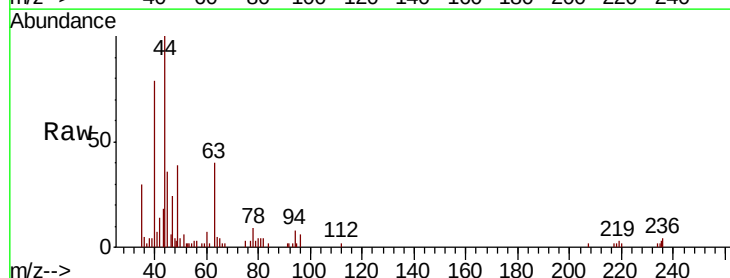
Acq: 17 Sep 2018 23:32

Tgt Ion: 94 Resp: 404

Ion Ratio Lower Upper

94 100

96 43.3 74.5 111.7#



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

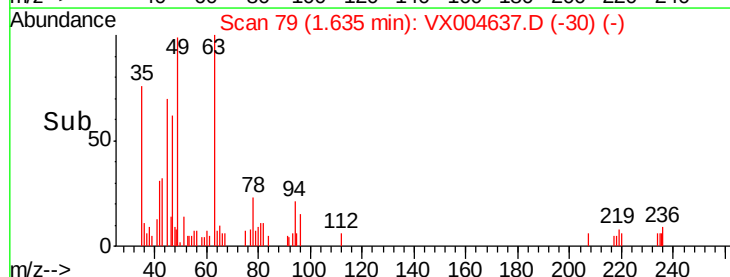
100

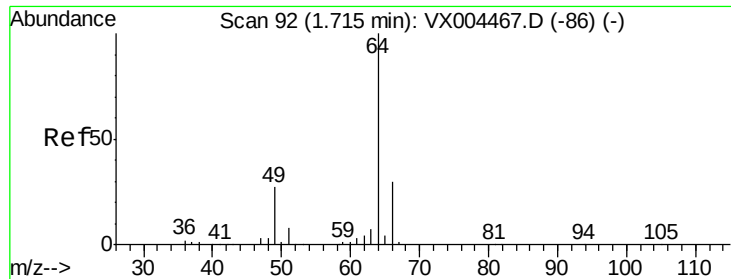
50

0

Time-->

1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.29 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX004637.D

Acq: 17 Sep 2018 23:32

Instrument :

MSVOA_X

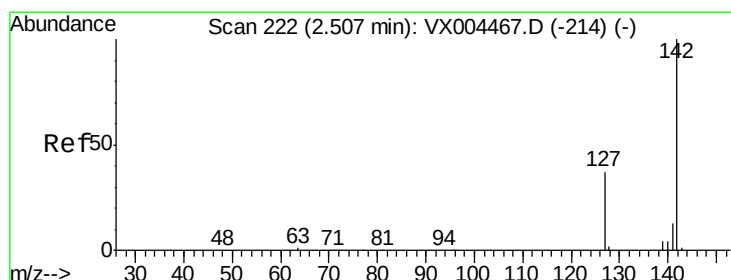
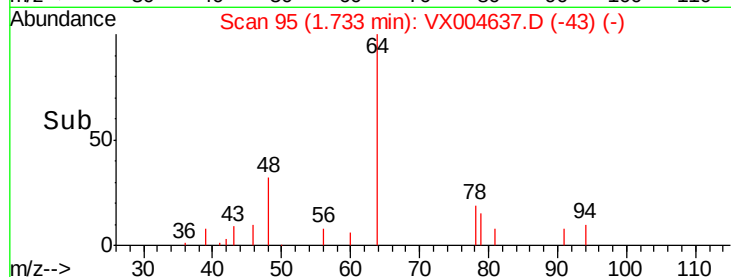
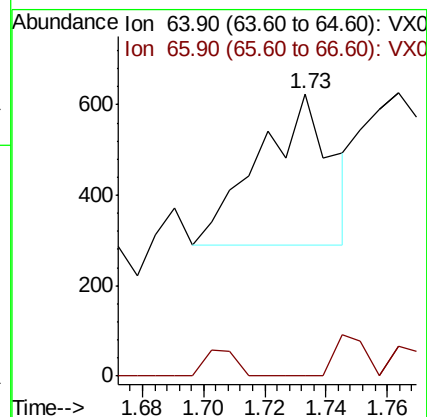
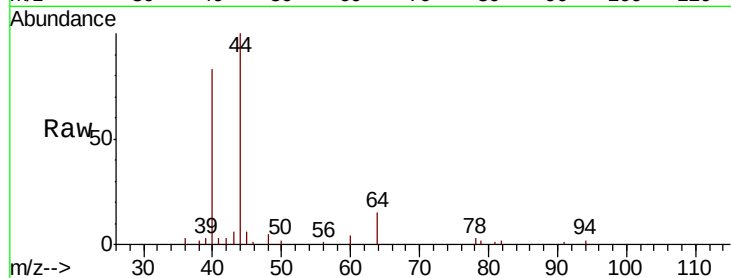
ClientSampleId :

Tot Ion: 64 Resp: 551

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 4.30 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX004637.D

Acq: 17 Sep 2018 23:32

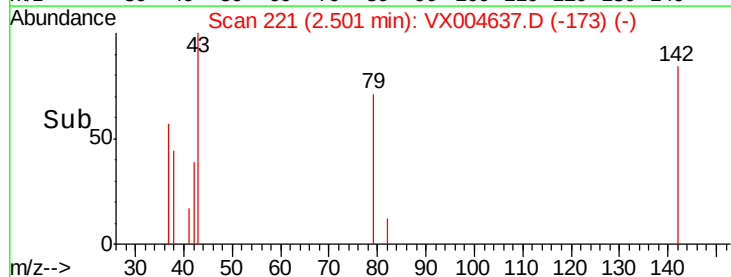
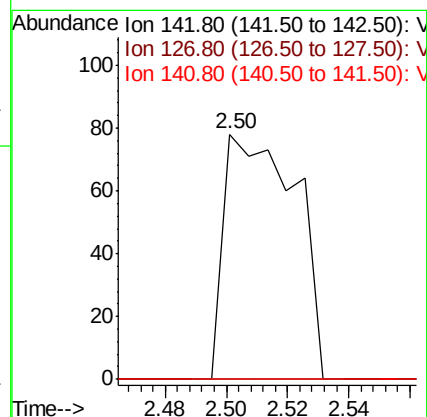
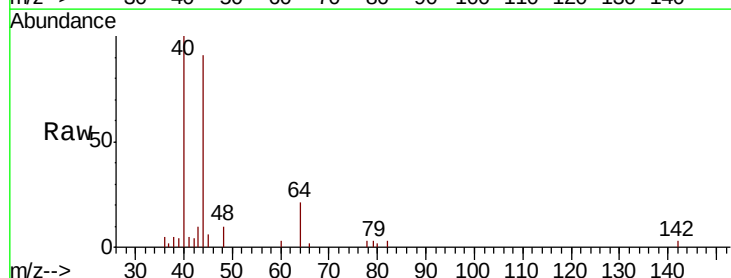
Tgt Ion: 142 Resp: 127

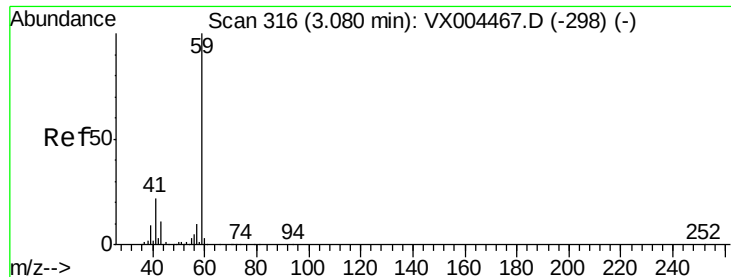
Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

141 0.0 11.4 17.0#

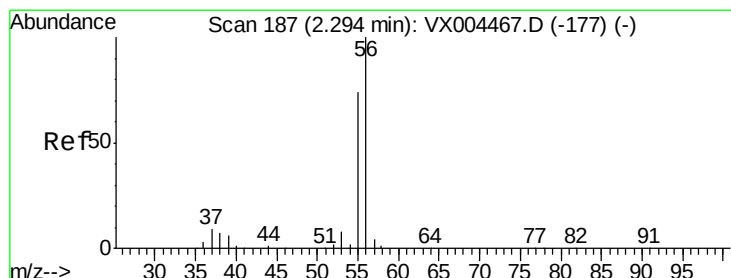
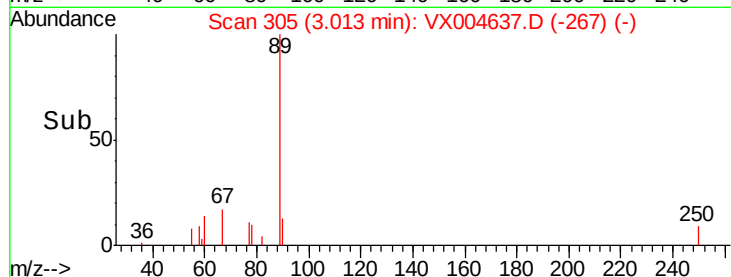
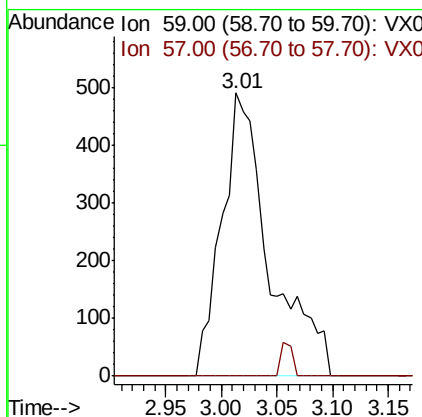
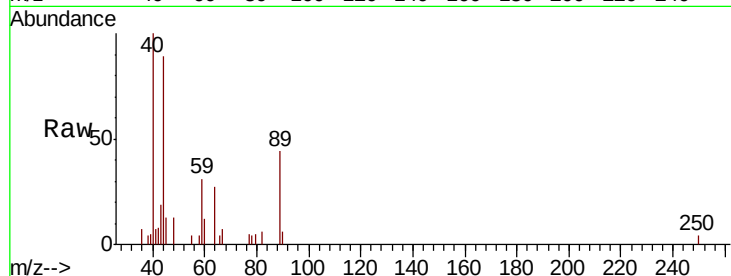




#11
Tert butyl alcohol
Concen: 2.17 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX004637.D
Acq: 17 Sep 2018 23:32

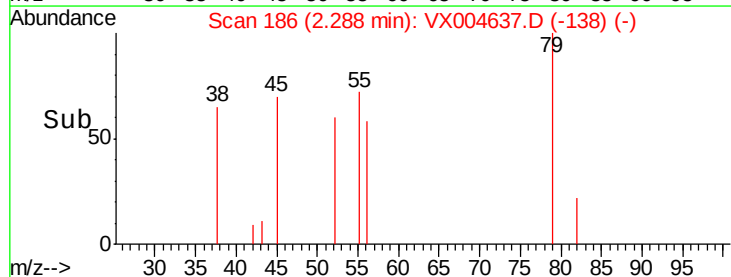
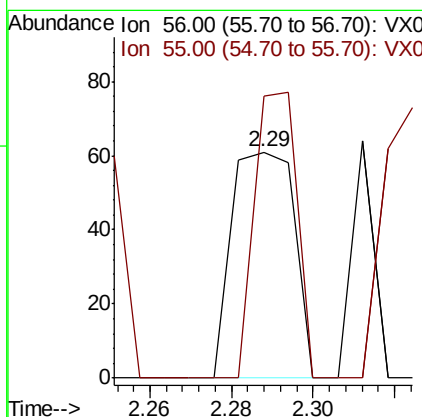
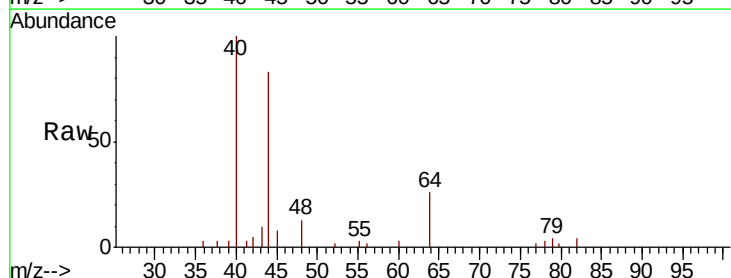
Instrument :
MSVOA_X
ClientSampled :

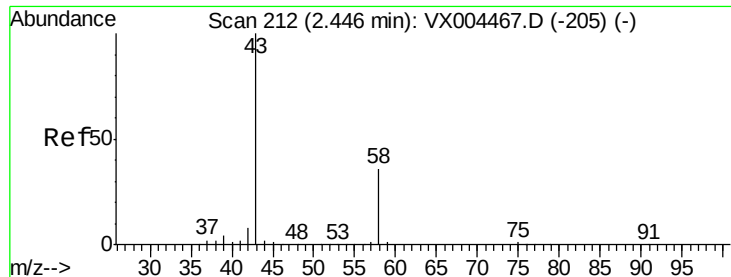
Tot Ion: 59 Resp: 1461
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.24 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004637.D
Acq: 17 Sep 2018 23:32

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 86.2 54.7 82.1#

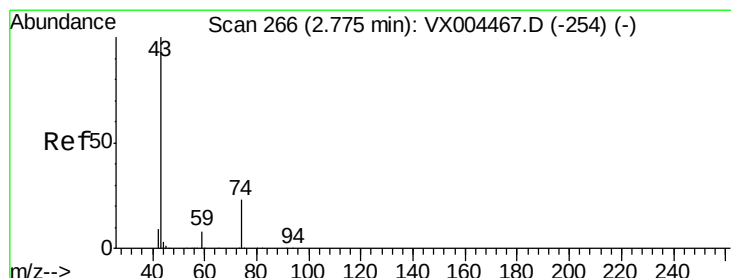
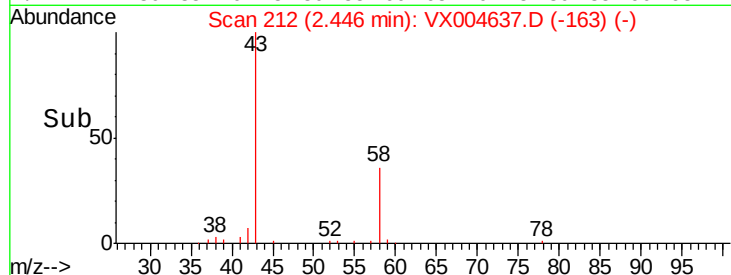
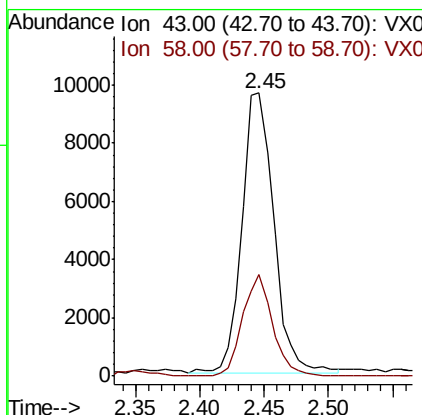
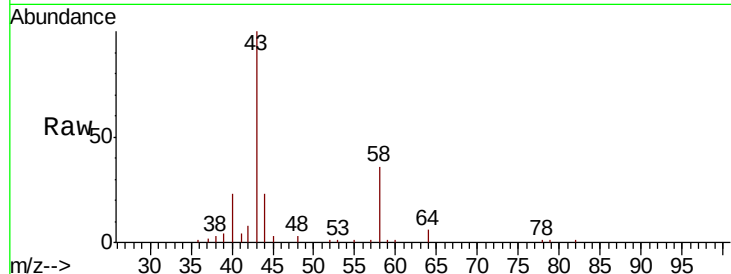




#16
Acetone
Concen: 11.90 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX004637.D
Acq: 17 Sep 2018 23:32

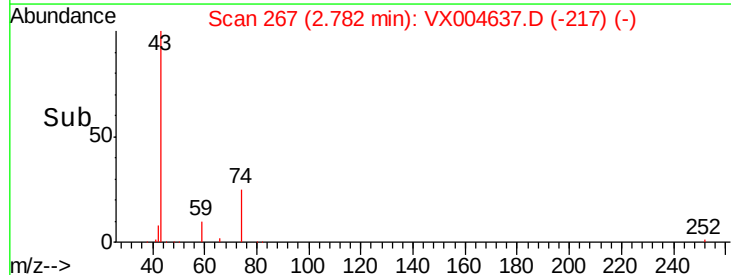
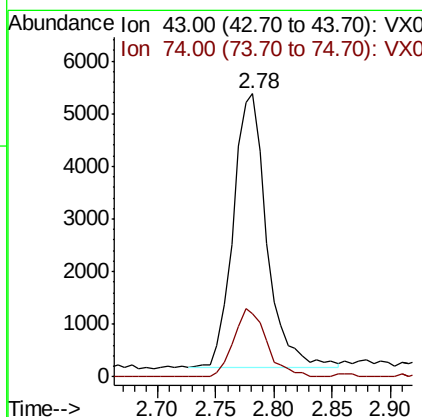
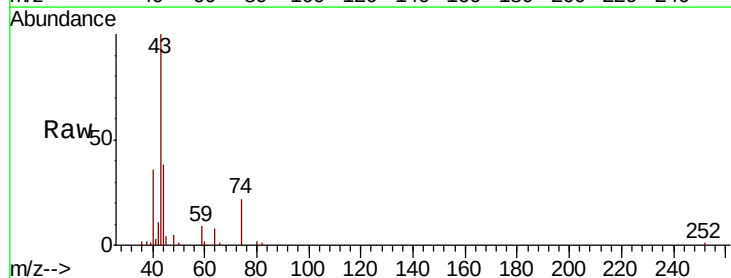
Instrument :
MSVOA_X
ClientSampled :

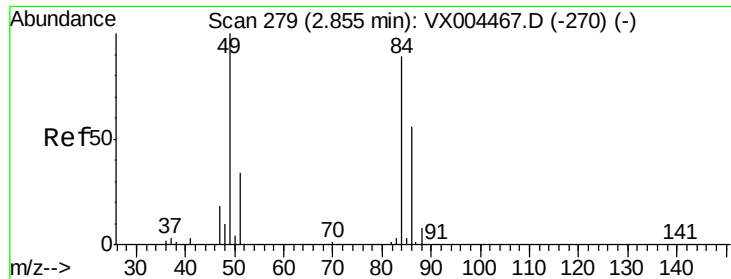
Tot Ion: 43 Resp: 16407
Ion Ratio Lower Upper
43 100
58 36.2 26.2 39.4



#18
Methyl Acetate
Concen: 2.69 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004637.D
Acq: 17 Sep 2018 23:32

Tgt Ion: 43 Resp: 10406
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2

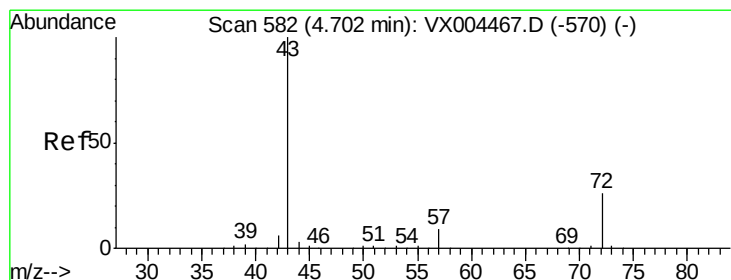
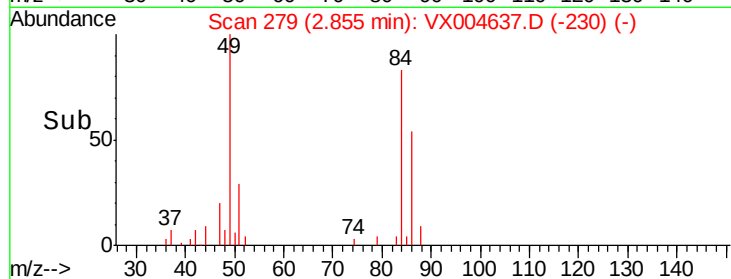
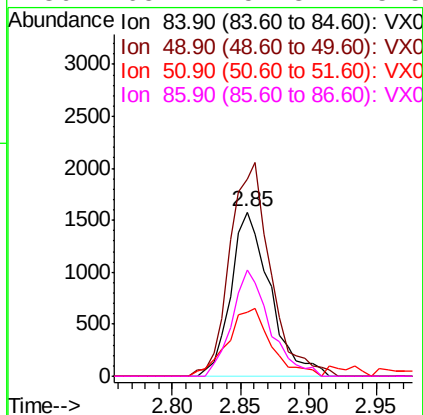
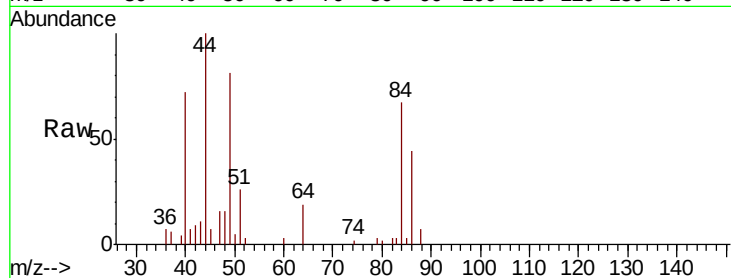




#20
Methvlene Chloride
Concen: 1.12 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004637.D
Acq: 17 Sep 2018 23:32

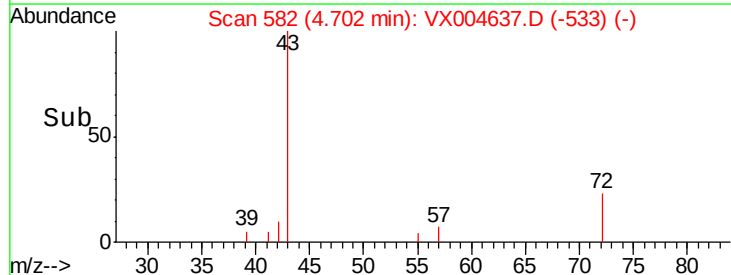
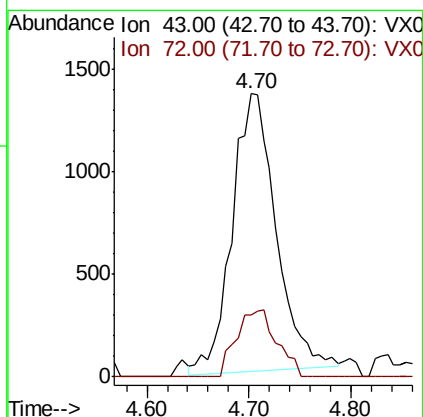
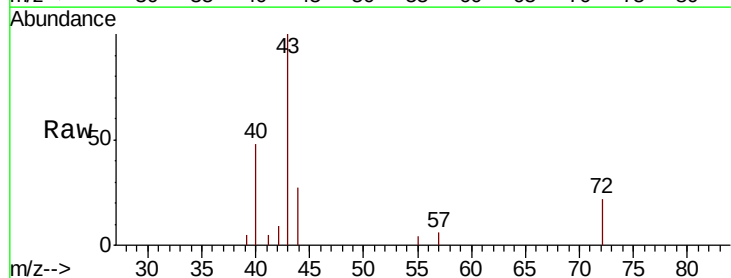
Instrument :
MSVOA_X
ClientSampled :

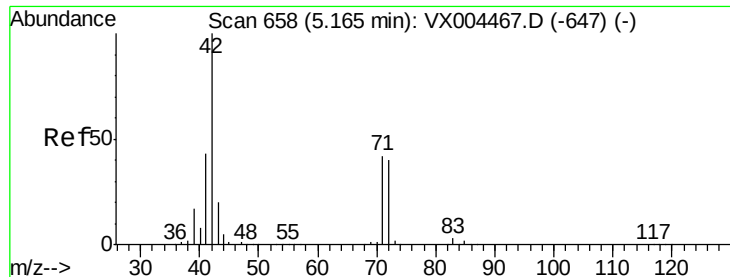
Tot Ion:	84	Resp:	3176
Ion	Ratio	Lower	Upper
84	100		
49	120.5	101.2	151.8
51	39.1	29.5	44.3
86	65.2	52.3	78.5



#25
2-Butanone
Concen: 1.85 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX004637.D
Acq: 17 Sep 2018 23:32

Tgt Ion:	43	Resp:	4048
Ion	Ratio	Lower	Upper
43	100		
72	22.9	22.0	33.0





#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004637.D

Acq: 17 Sep 2018 23:32

Instrument :

MSVOA_X

ClientSampleId :

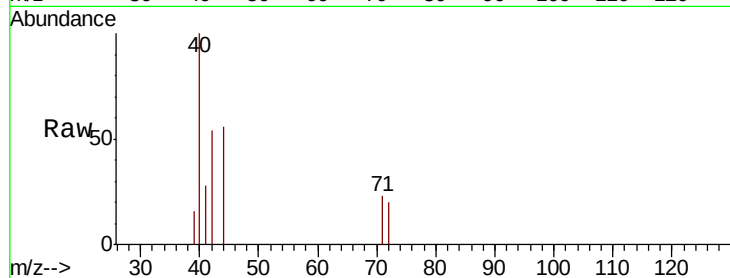
Tot Ion: 42 Resp: 586

Ion Ratio Lower Upper

42 100

72 50.2 37.4 56.0

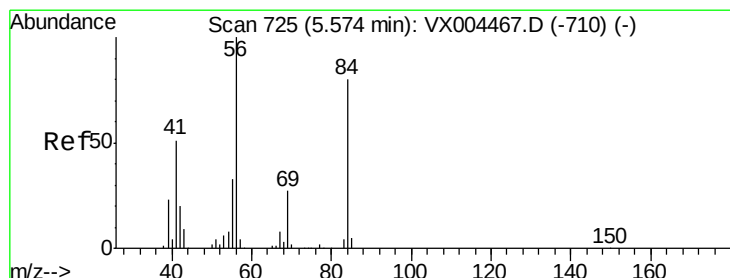
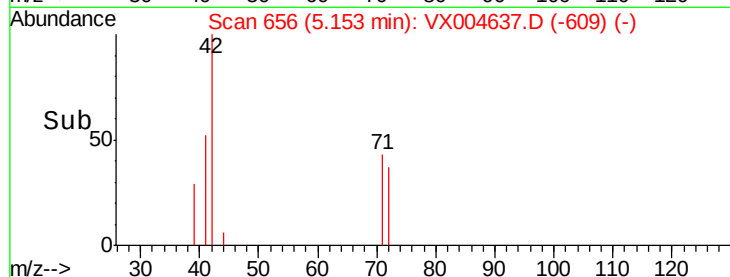
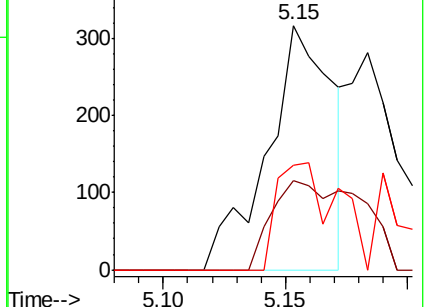
71 40.6 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.82 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004637.D

Acq: 17 Sep 2018 23:32

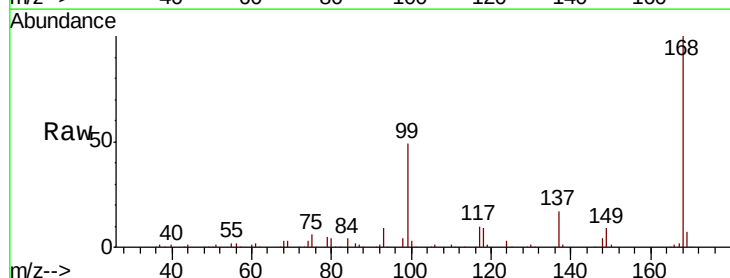
Tgt Ion: 56 Resp: 3358

Ion Ratio Lower Upper

56 100

69 216.6 25.4 38.2#

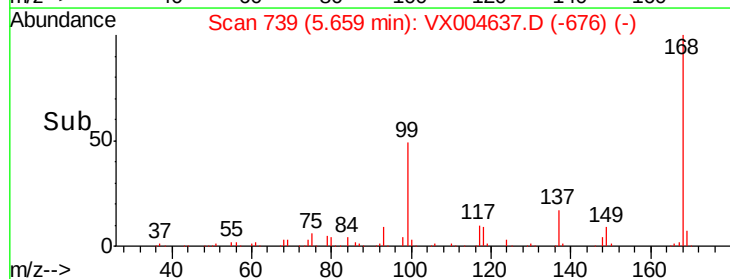
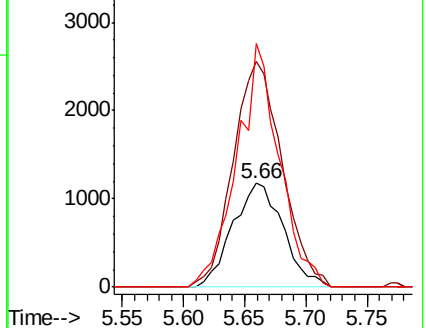
84 234.2 71.4 107.2#

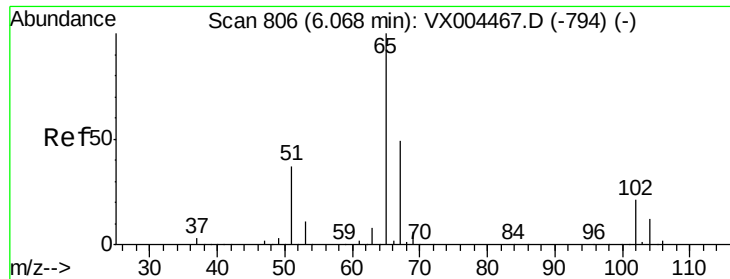


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

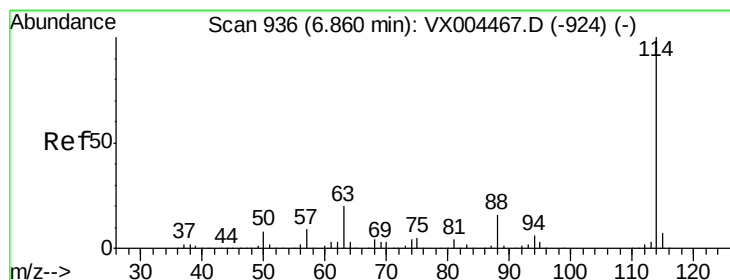
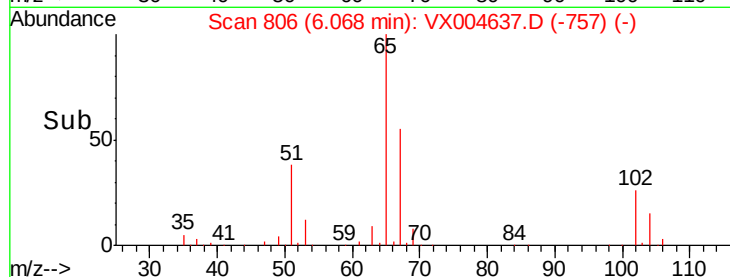
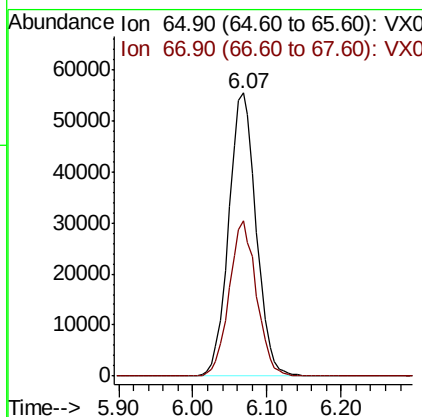
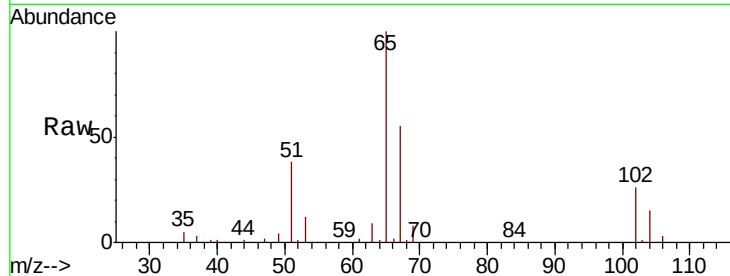




#33
 1,2-Dichloroethane-d4
 Concen: 50.64 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004637.D
 Acq: 17 Sep 2018 23:32

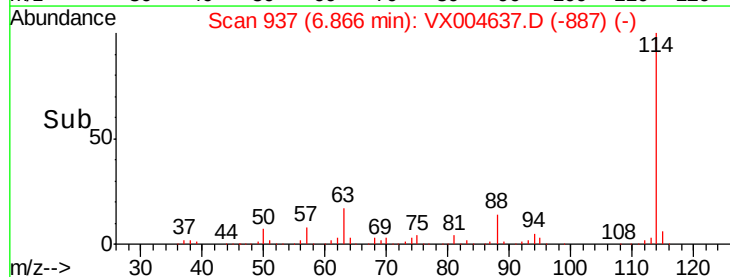
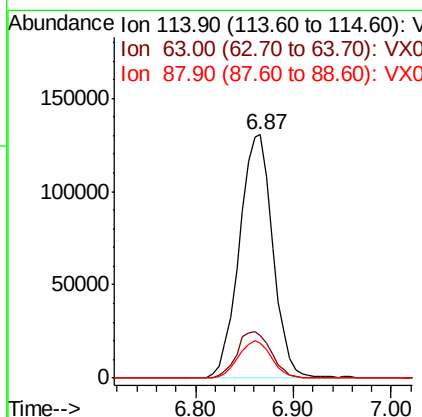
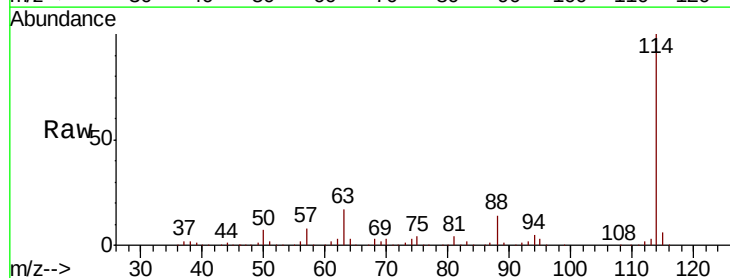
Instrument :
 MSVOA_X
 ClientSampleId :

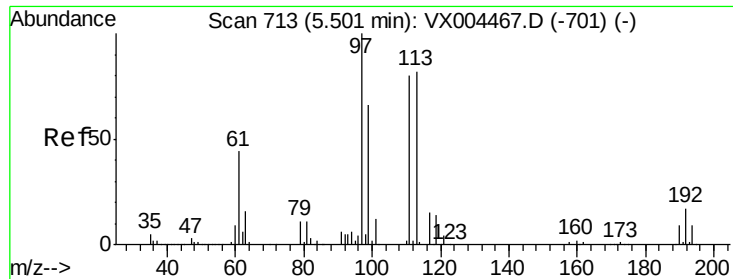
Tot Ion: 65 Resp: 143033
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004637.D
 Acq: 17 Sep 2018 23:32

Tgt Ion: 114 Resp: 309928
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 39.0
 88 14.1 0.0 30.4

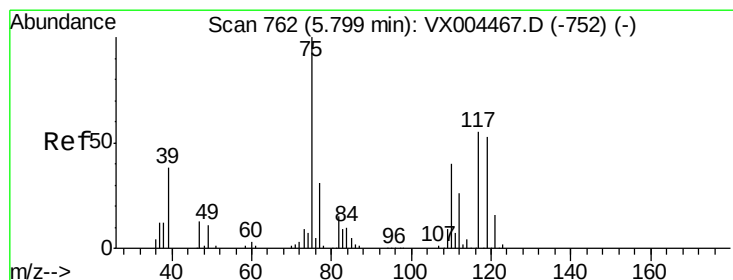
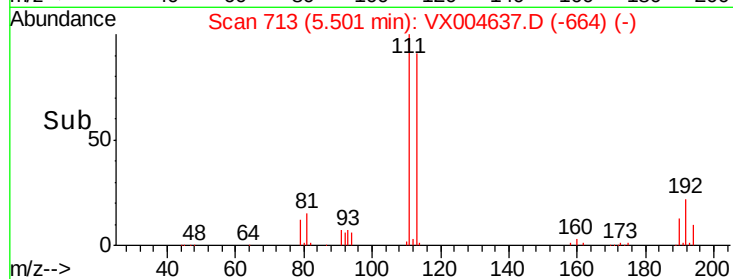
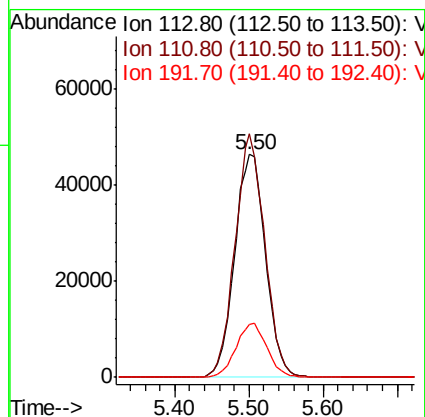
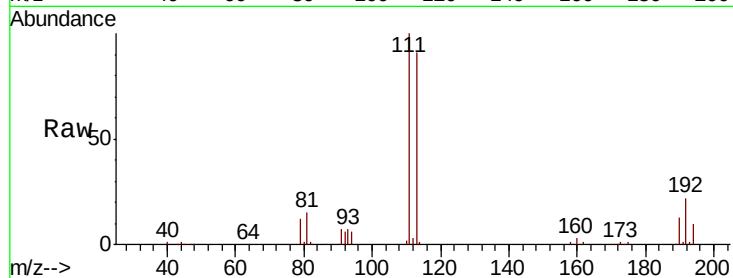




#35
 Dibromofluoromethane
 Concen: 47.56 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004637.D
 Acq: 17 Sep 2018 23:32

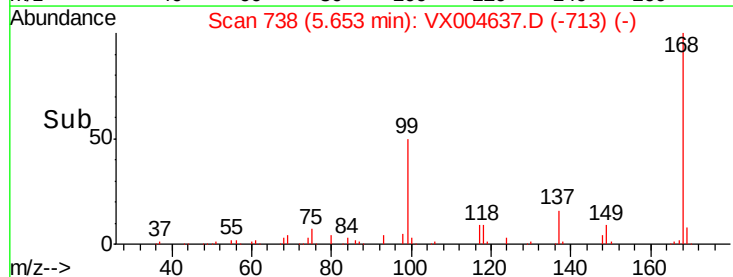
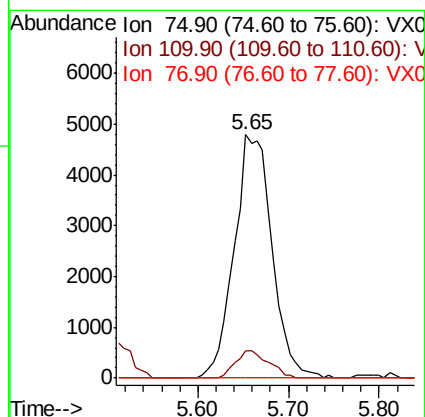
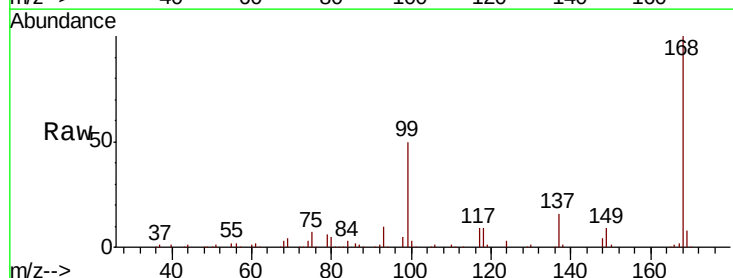
Instrument :
 MSVOA_X
 ClientSampleId :

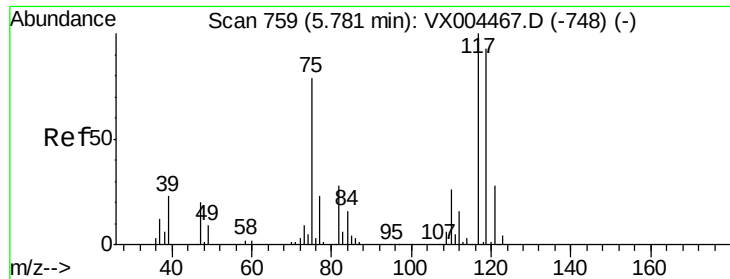
Tot Ion:113 Resp: 134887
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.4 123.6
 192 24.1 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.67 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX004637.D
 Acq: 17 Sep 2018 23:32

Tgt Ion: 75 Resp: 13819
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.22 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004637.D

Acq: 17 Sep 2018 23:32

Instrument :

MSVOA_X

ClientSampled :

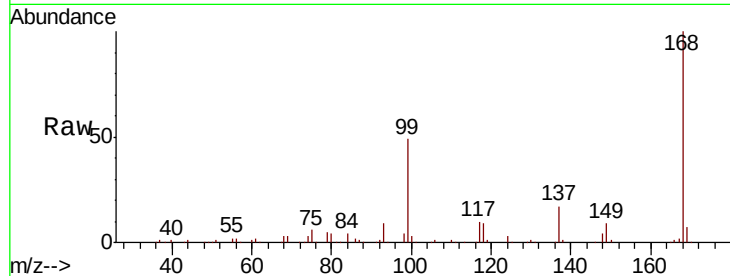
Tot Ion:117 Resp: 19199

Ion Ratio Lower Upper

117 100

119 7.1 78.8 118.2#

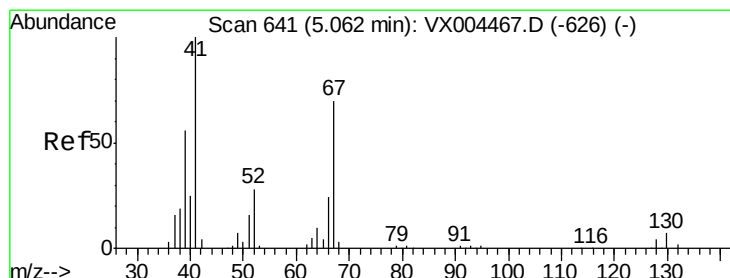
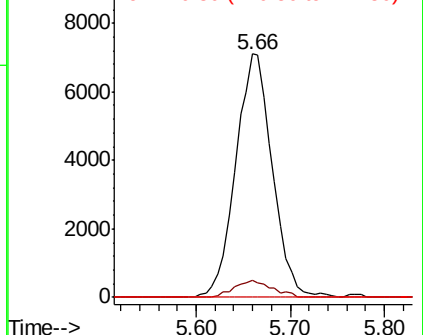
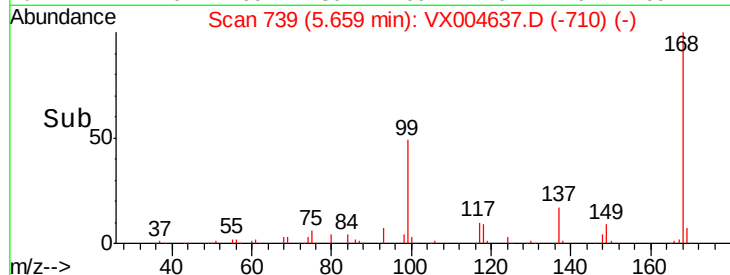
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 0.25 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.11 min

Lab File: VX004637.D

Acq: 17 Sep 2018 23:32

Tgt Ion: 41 Resp: 595

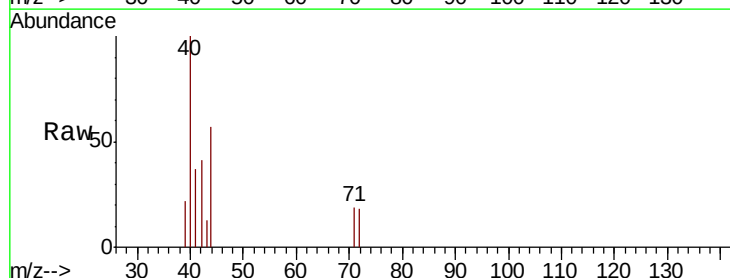
Ion Ratio Lower Upper

41 100

39 48.1 42.4 63.6

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#

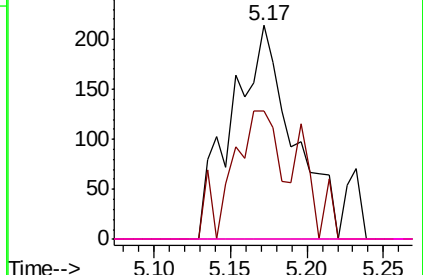
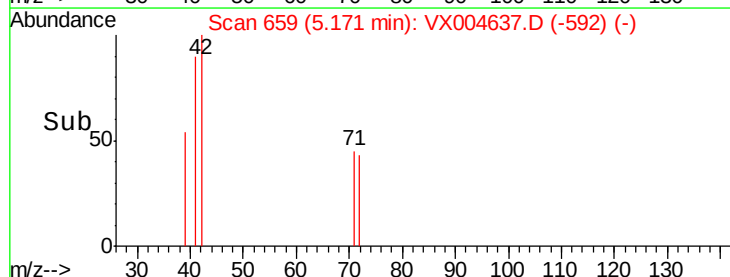


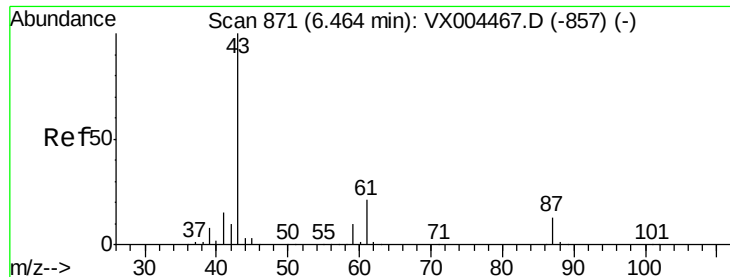
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#43

Isopropyl Acetate

Concen: 9.89 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX004637.D

Acq: 17 Sep 2018 23:32

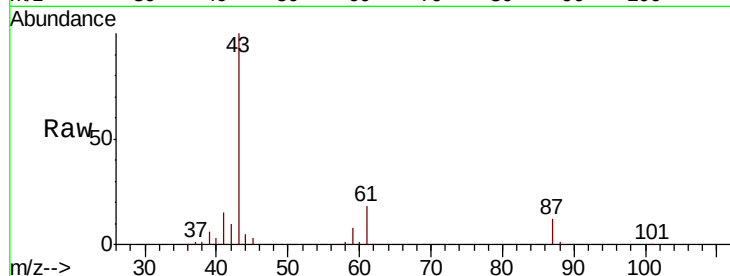
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 56235

Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.0	25.4
87	13.9	11.4	17.2

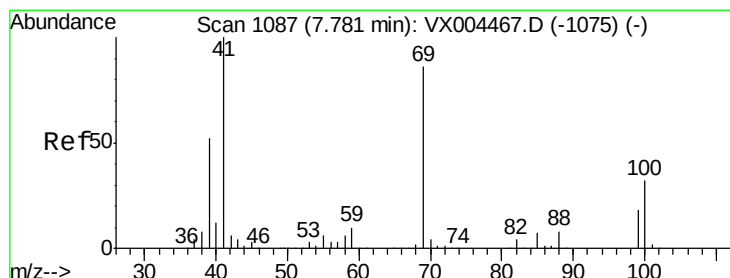
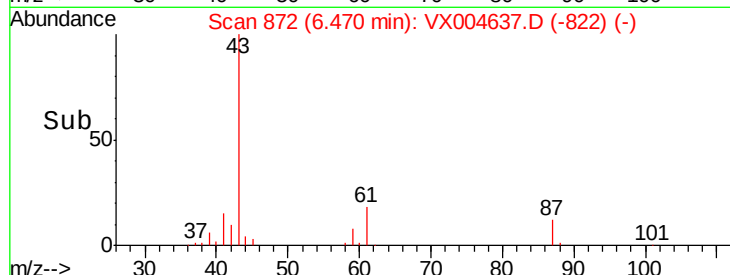
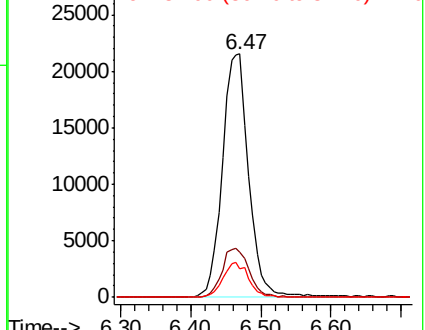


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 2.55 ug/l

RT: 7.88 min Scan# 1104

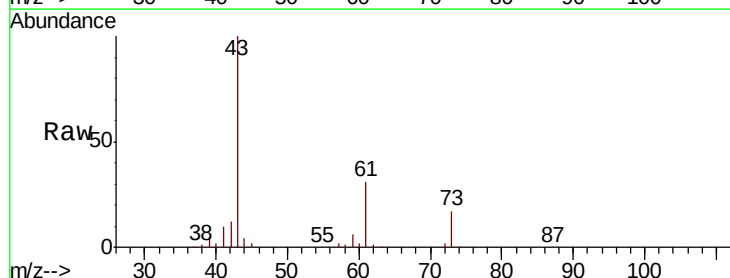
Delta R.T. 0.10 min

Lab File: VX004637.D

Acq: 17 Sep 2018 23:32

Tgt Ion: 41 Resp: 7161

Ion	Ratio	Lower	Upper
41	100		
69	0.0	70.2	105.4#
39	48.5	42.7	64.1

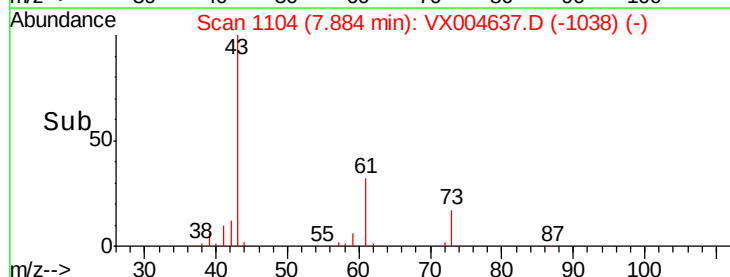
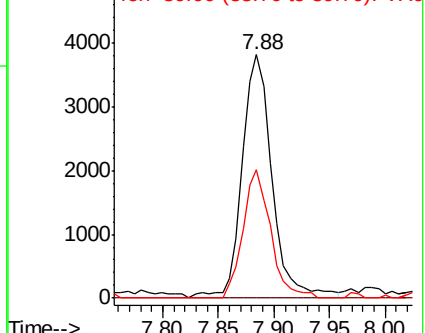


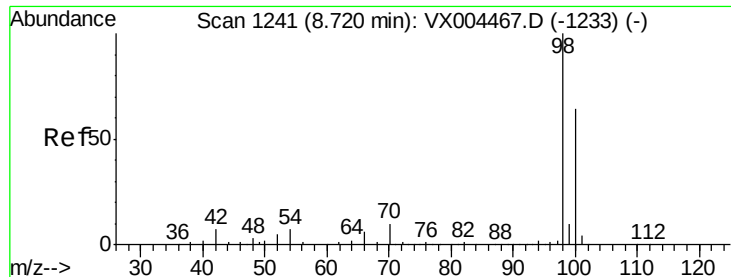
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

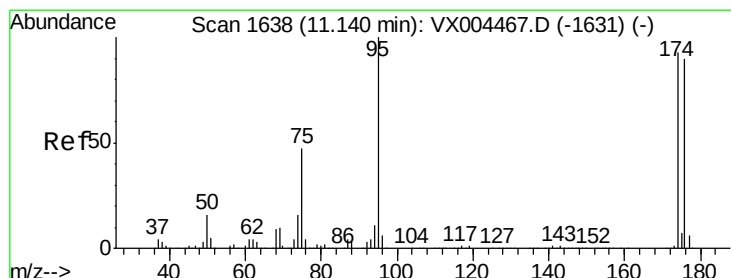
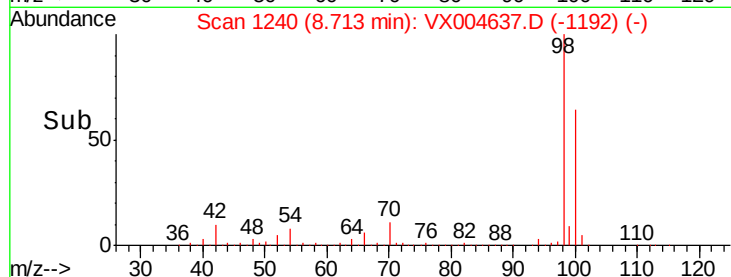
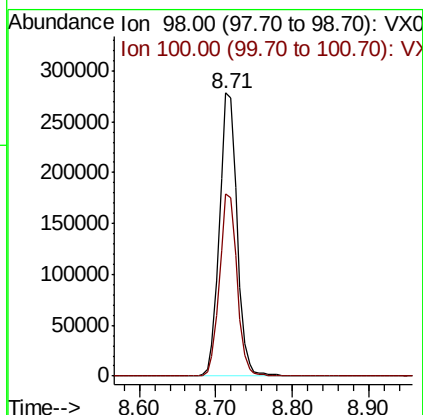
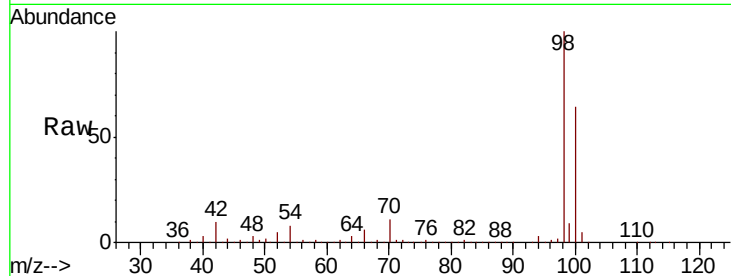




#50
Toluene-d8
Concen: 46.79 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004637.D
Acq: 17 Sep 2018 23:32

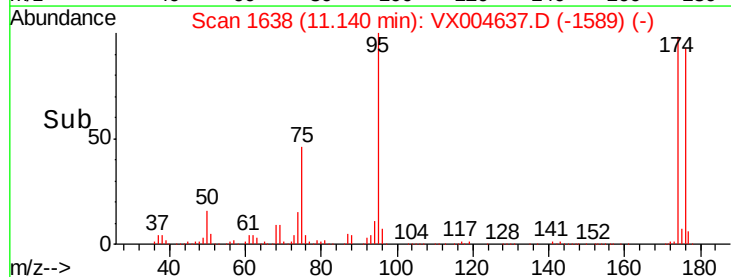
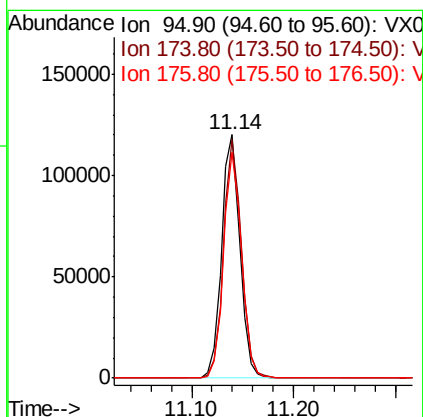
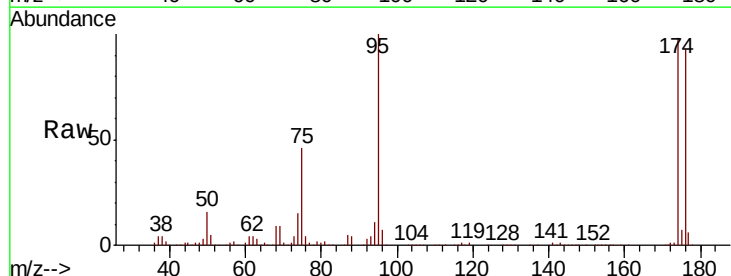
Instrument :
MSVOA_X
ClientSampleId :

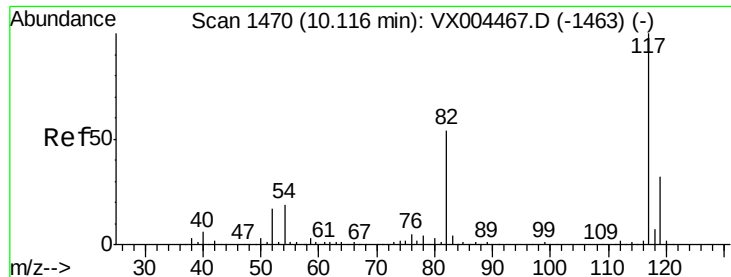
Tot Ion: 98 Resp: 445011
Ion Ratio Lower Upper
98 100
100 63.8 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 44.46 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004637.D
Acq: 17 Sep 2018 23:32

Tgt Ion: 95 Resp: 150943
Ion Ratio Lower Upper
95 100
174 95.6 0.0 185.2
176 91.4 0.0 178.6

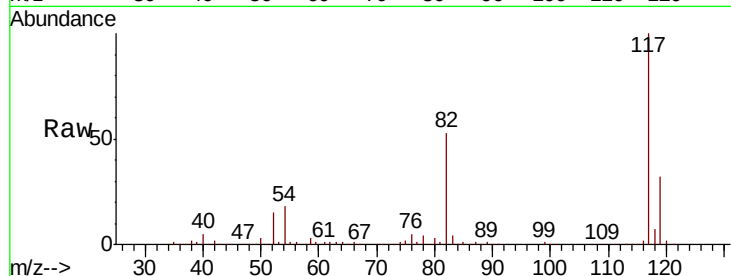




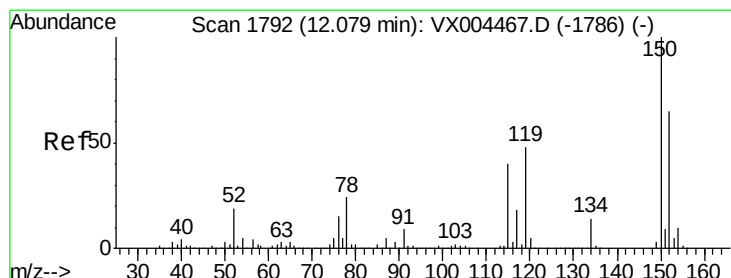
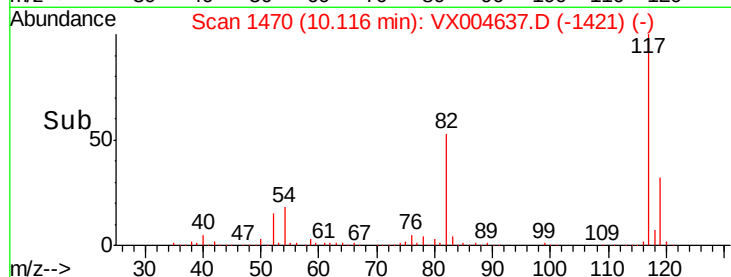
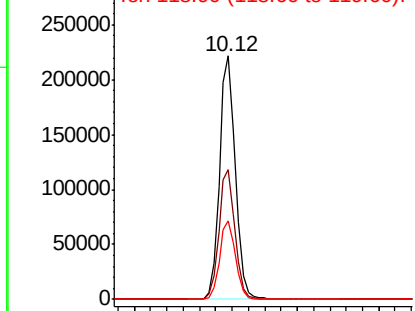
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004637.D
Acq: 17 Sep 2018 23:32

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 301871
Ion Ratio Lower Upper
117 100
82 53.0 47.8 71.6
119 32.3 29.3 43.9

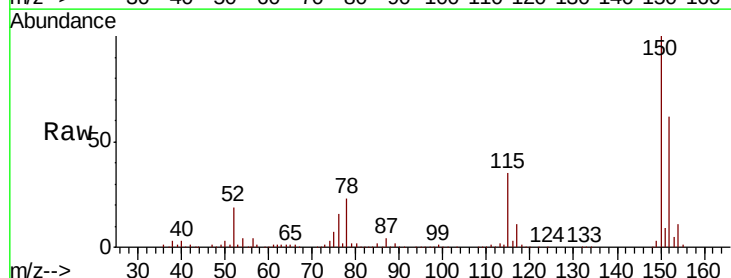


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

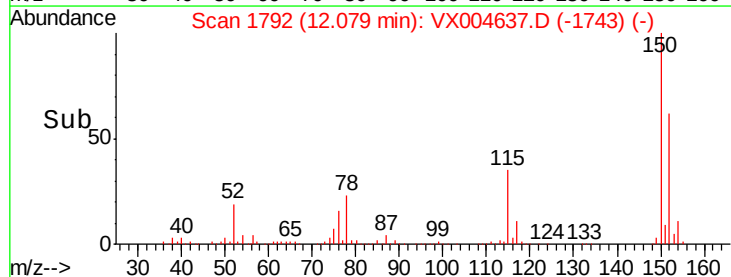
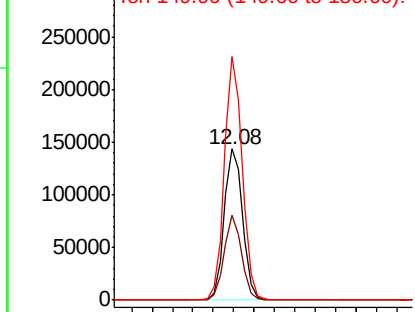


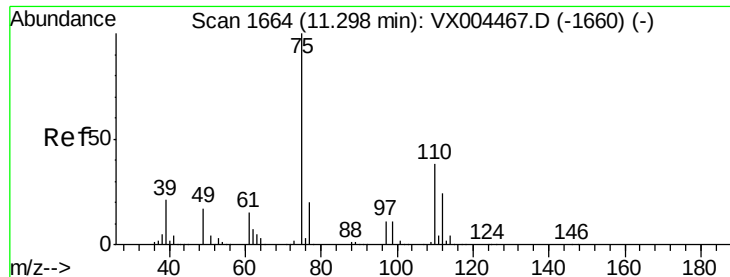
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004637.D
Acq: 17 Sep 2018 23:32

Tgt Ion:152 Resp: 179888
Ion Ratio Lower Upper
152 100
115 53.4 39.0 117.0
150 156.4 0.0 351.0



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

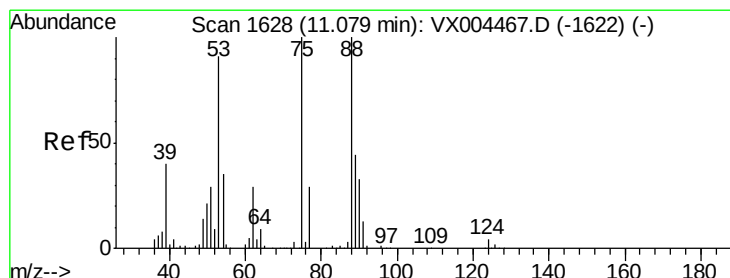
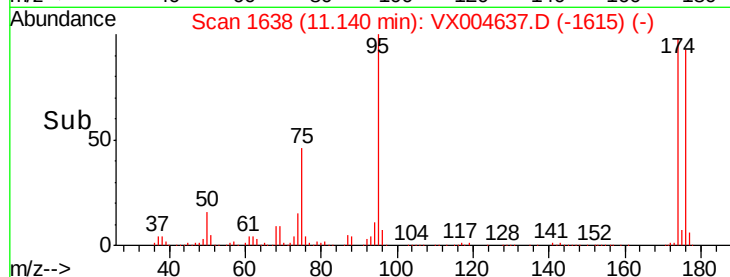
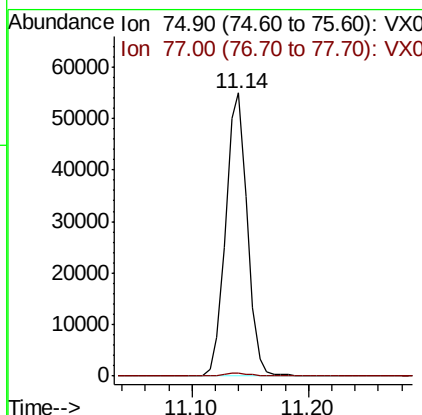
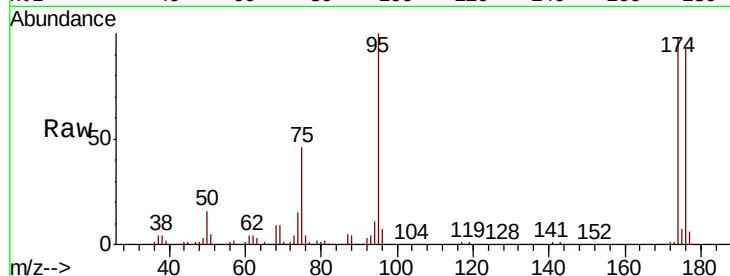




#76
 1,2,3-Trichloropropane
 Concen: 19.50 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004637.D
 Acq: 17 Sep 2018 23:32

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 70583
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.16 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004637.D
 Acq: 17 Sep 2018 23:32

Tgt Ion: 75 Resp: 70583
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

