

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006041.D
 Acq On : 16 Nov 2018 11:22
 Operator : JC/MD
 Sample : J5965-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB111518

Quant Time: Nov 17 00:41:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	143352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	185195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	167926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81262	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	81085	49.20	ug/l	0.00
Spiked Amount						
			Recovery	=	98.40%	
35) Dibromofluoromethane	5.51	113	64822	51.46	ug/l	0.00
Spiked Amount						
			Recovery	=	102.92%	
50) Toluene-d8	8.71	98	222700	53.18	ug/l	0.00
Spiked Amount						
			Recovery	=	106.36%	
62) 4-Bromofluorobenzene	11.14	95	75416	50.09	ug/l	0.00
Spiked Amount						
			Recovery	=	100.18%	

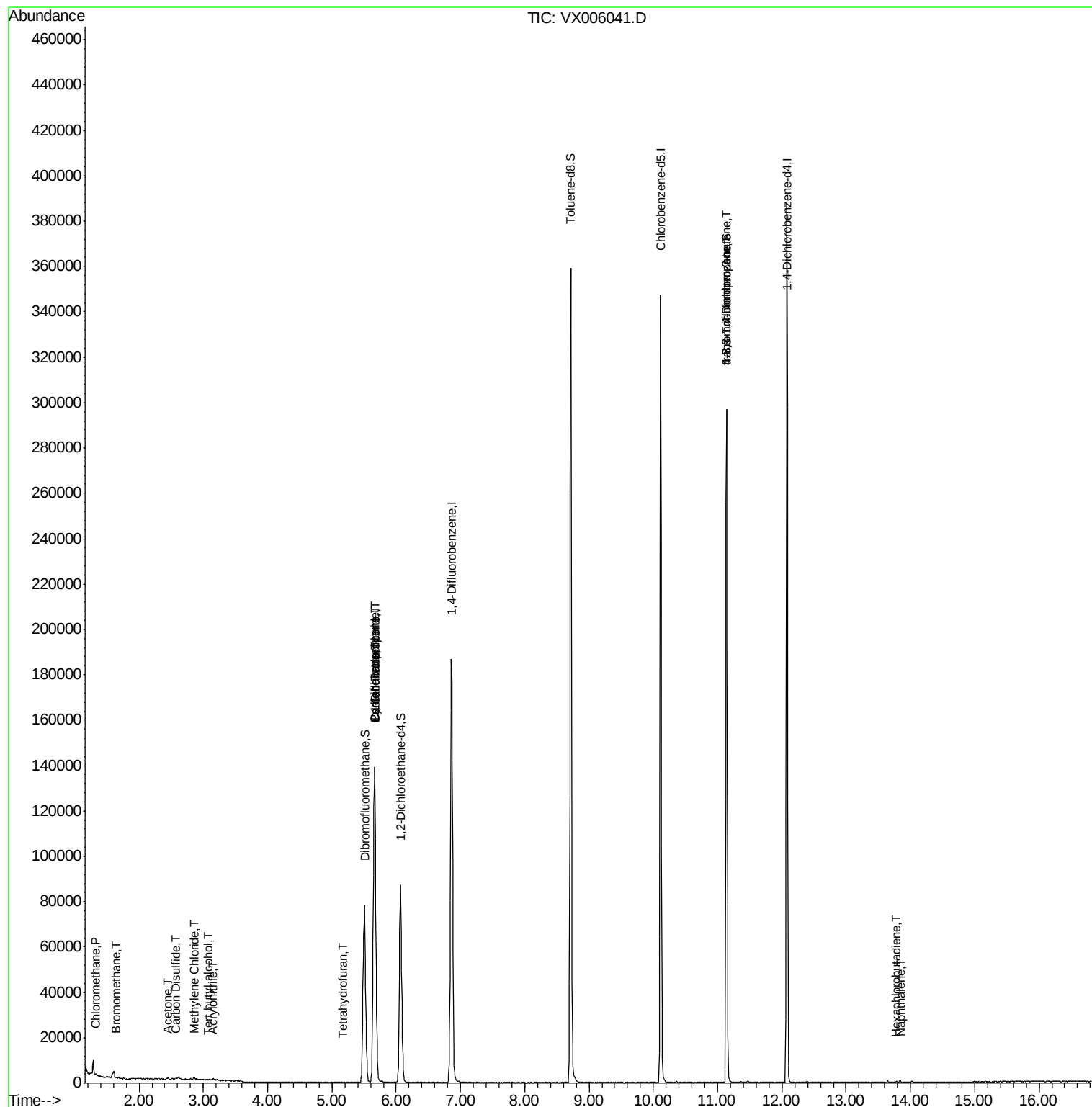
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	348	0.205	ug/l	100
5) Bromomethane	1.65	94	266	0.255	ug/l	91
11) Tert butyl alcohol	3.07	59	202	0.428	ug/l #	72
15) Acrylonitrile	3.15	53	316	0.323	ug/l #	74
16) Acetone	2.45	43	663	0.747	ug/l	99
17) Carbon Disulfide	2.57	76	758	0.201	ug/l #	75
18) Methyl Acetate	2.78	43	562	Below Cal	#	62
20) Methylene Chloride	2.86	84	305	0.209	ug/l #	81
29) Tetrahydrofuran	5.18	42	282	0.315	ug/l #	36
31) Cyclohexane	5.67	56	2439	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	9220	5.164	ug/l #	49
38) Carbon Tetrachloride	5.67	117	12649	7.077	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	36653	22.151	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	36653	70.600	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	242	Below Cal		71
94) Hexachlorobutadiene	13.78	225	196	0.208	ug/l	96
95) Naphthalene	13.84	128	762	1.305	ug/l #	94

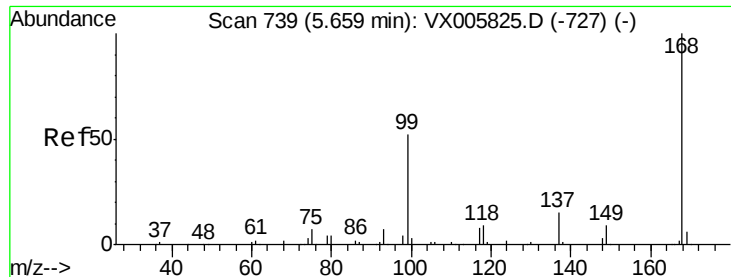
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111618\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006041.D

Acq: 16 Nov 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

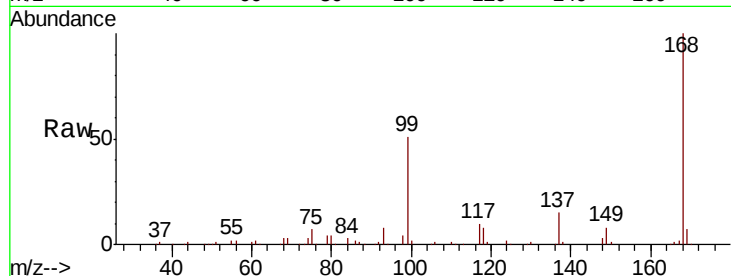
TB111518

Tot Ion:168 Resp: 143352

Ion Ratio Lower Upper

168 100

99 50.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

30000

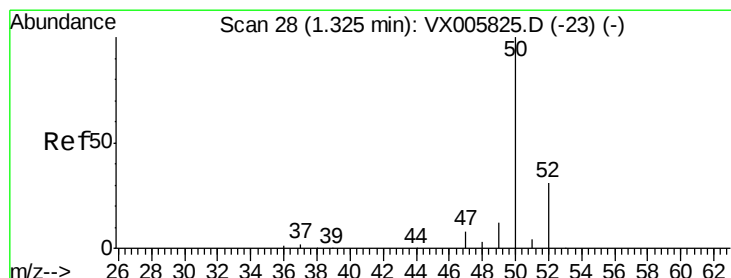
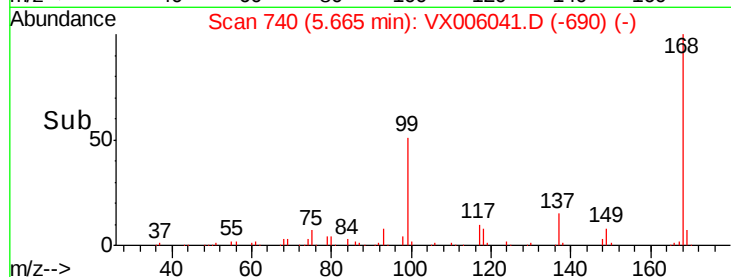
20000

10000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006041.D

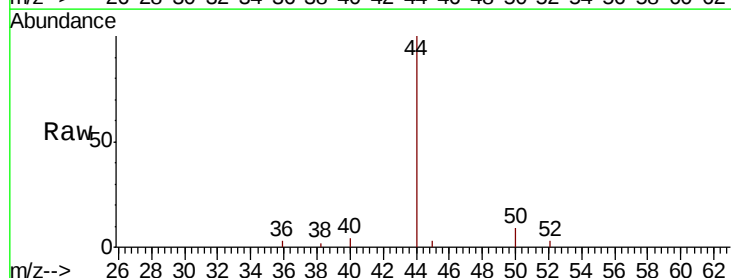
Acq: 16 Nov 2018 11:22

Tgt Ion: 50 Resp: 348

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

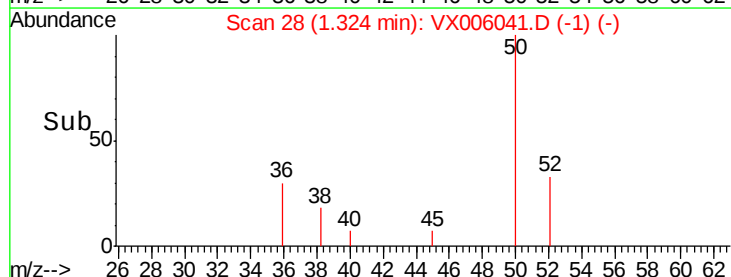
200

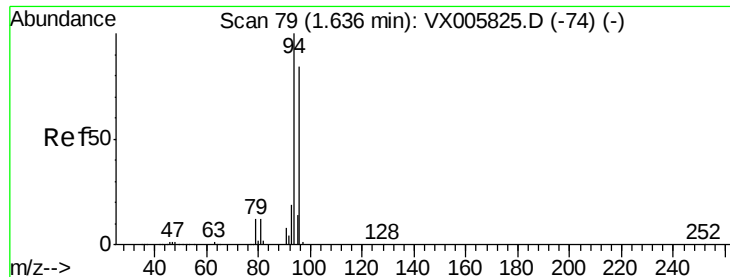
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.255 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006041.D

Acq: 16 Nov 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

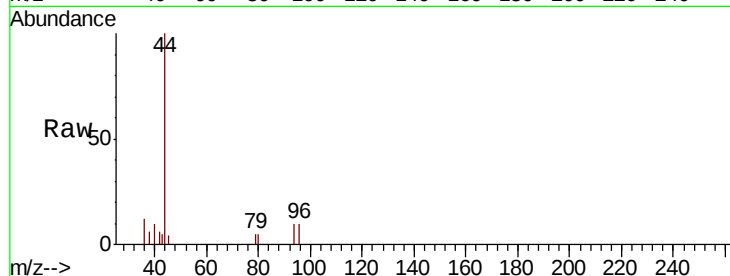
TB111518

Tot Ion: 94 Resp: 266

Ion Ratio Lower Upper

94 100

96 103.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

100

50

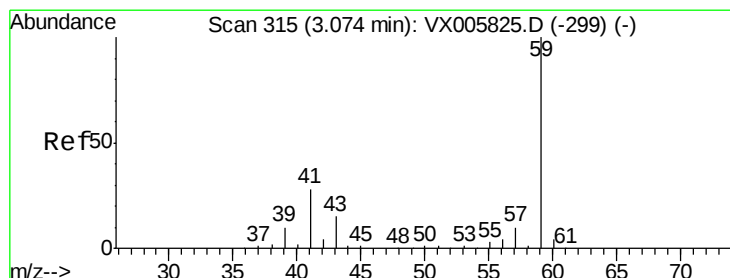
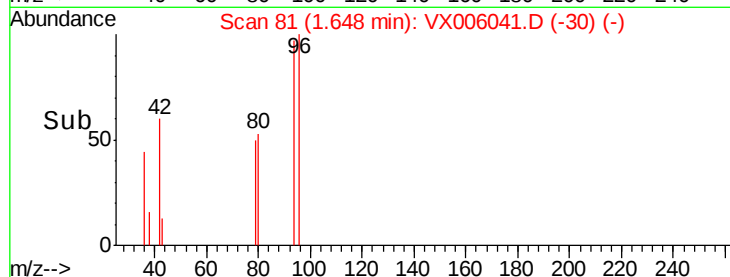
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Time-->

1.60

1.65

1.70



#11

Tert butyl alcohol

Concen: 0.428 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX006041.D

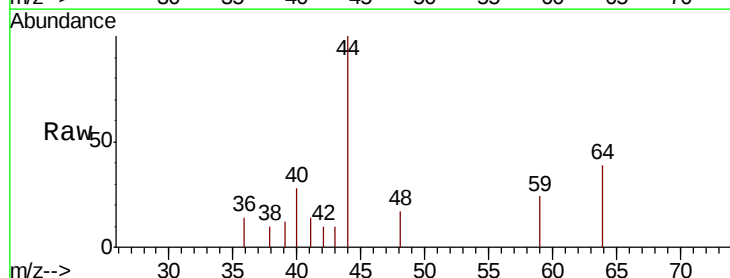
Acq: 16 Nov 2018 11:22

Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

150

100

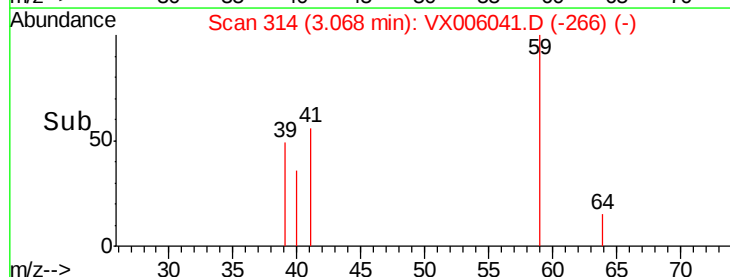
50

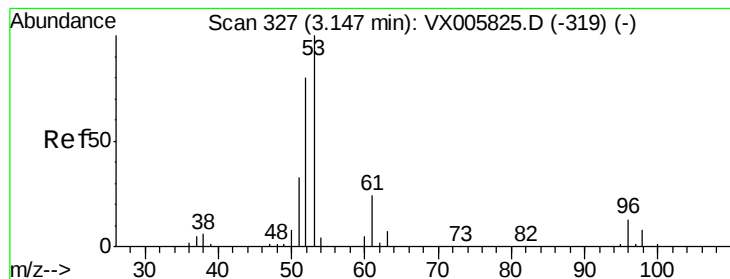
0

Time-->

3.05

3.10





#15

Acrylonitrile

Concen: 0.323 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006041.D

Acq: 16 Nov 2018 11:22

Instrument :

MSVOA_X

ClientSampled :

TB111518

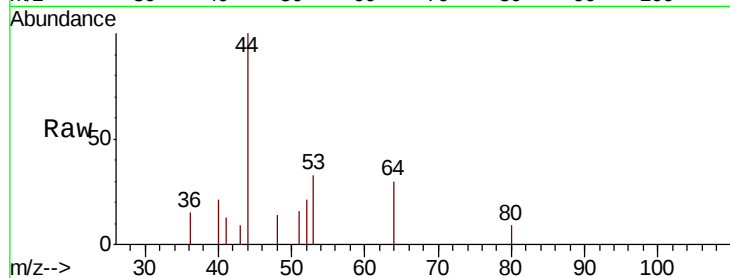
Tot Ion: 53 Resp: 316

Ion Ratio Lower Upper

53 100

52 100.9 66.6 99.8#

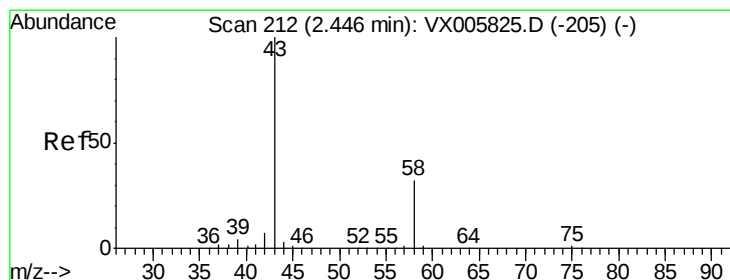
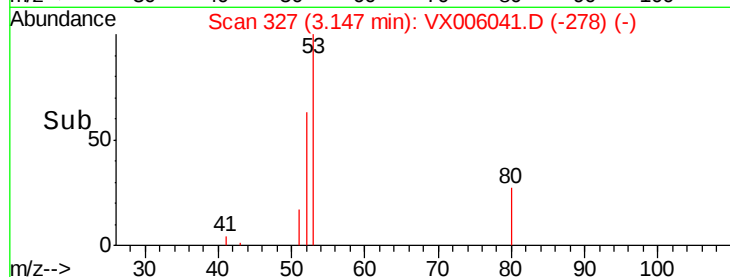
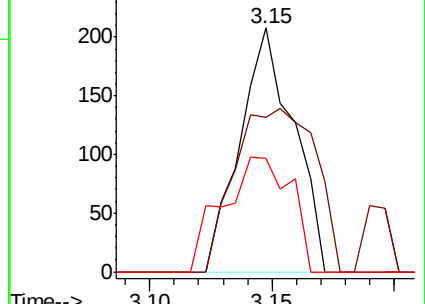
51 59.5 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.747 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006041.D

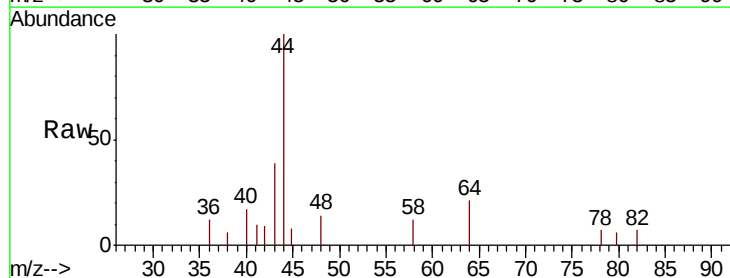
Acq: 16 Nov 2018 11:22

Tgt Ion: 43 Resp: 663

Ion Ratio Lower Upper

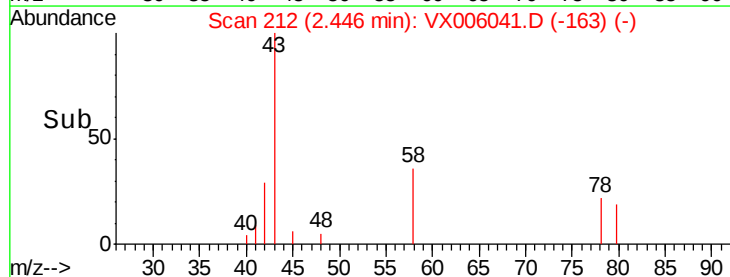
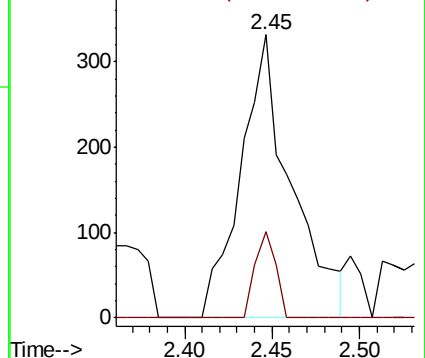
43 100

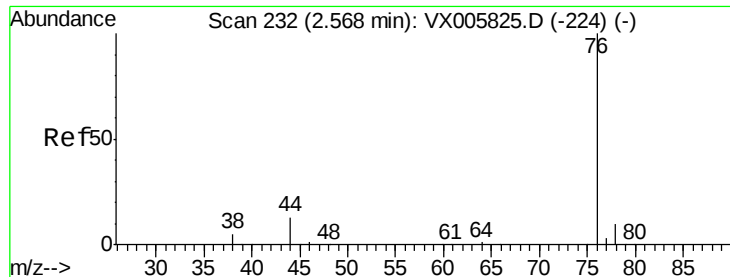
58 30.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

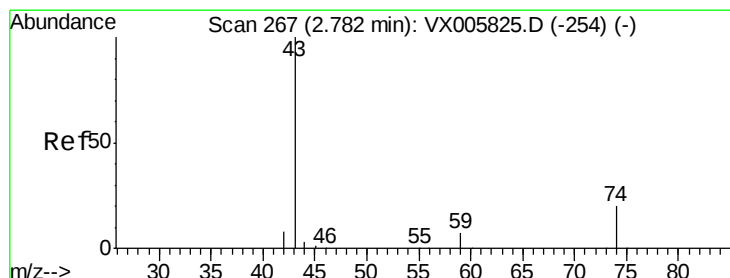
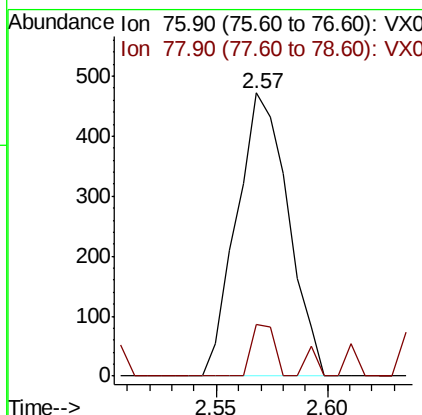
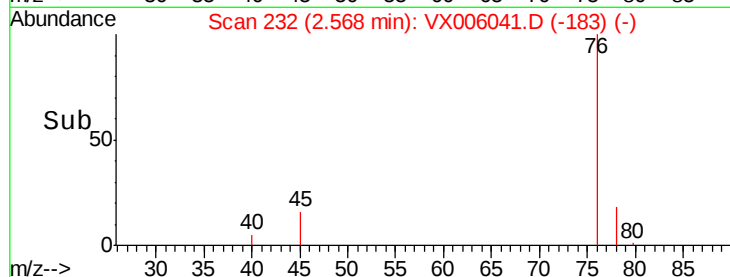
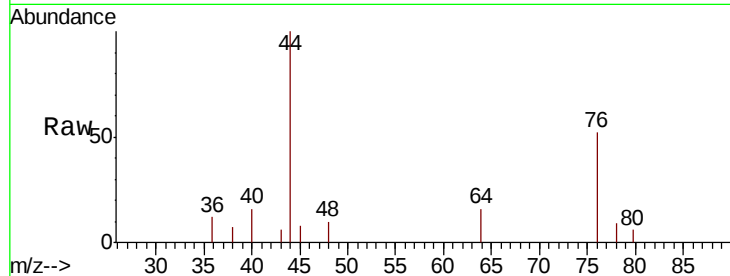




#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006041.D
Acq: 16 Nov 2018 11:22

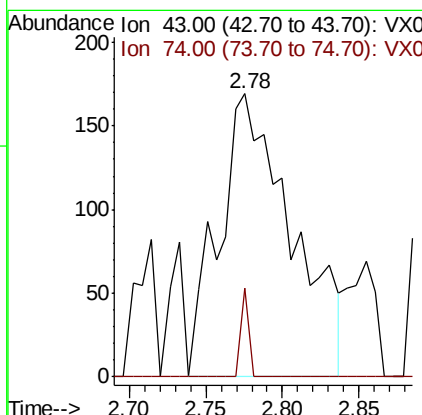
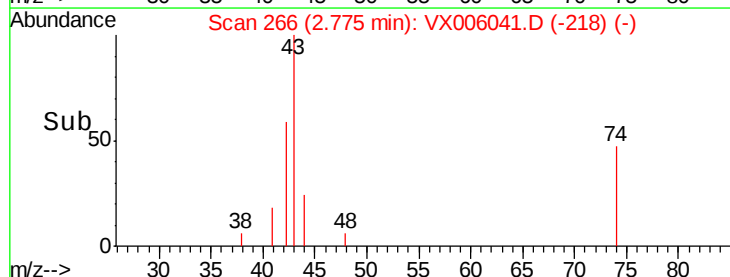
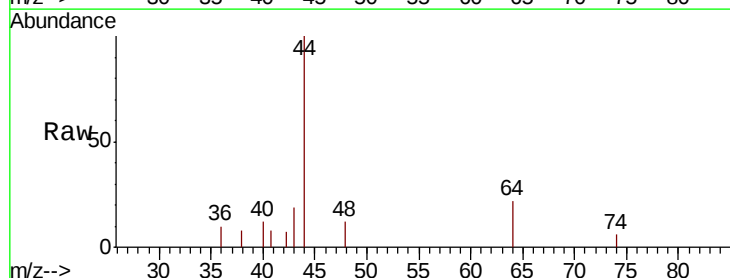
Instrument :
MSVOA_X
ClientSampled :
TB111518

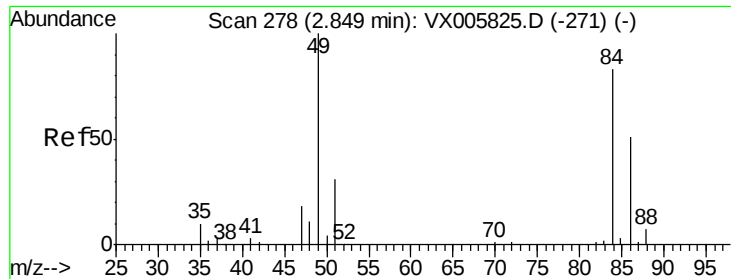
Tot Ion: 76 Resp: 758
Ion Ratio Lower Upper
76 100
78 18.2 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006041.D
Acq: 16 Nov 2018 11:22

Tgt Ion: 43 Resp: 562
Ion Ratio Lower Upper
43 100
74 3.4 16.8 25.2#

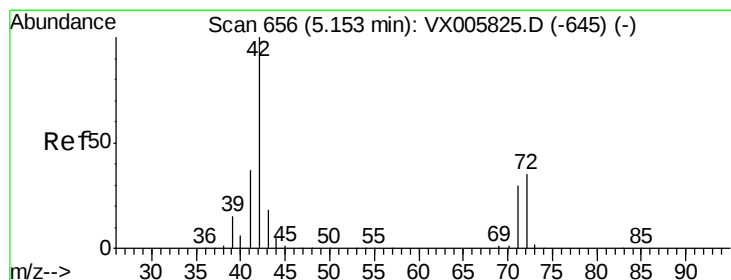
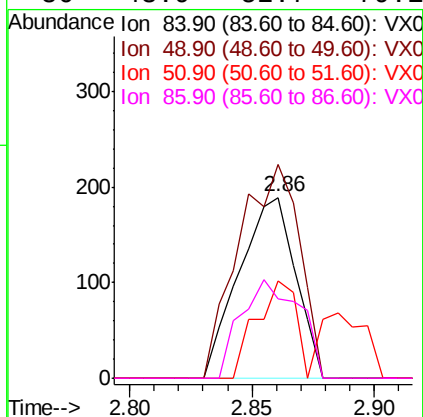
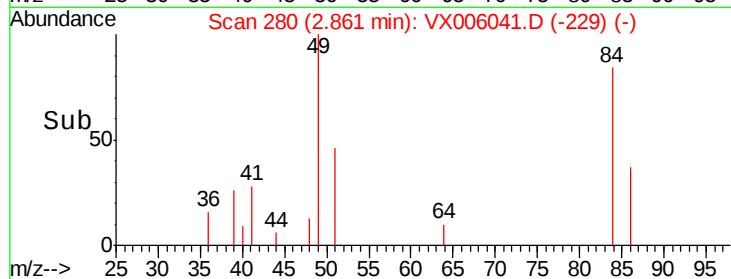
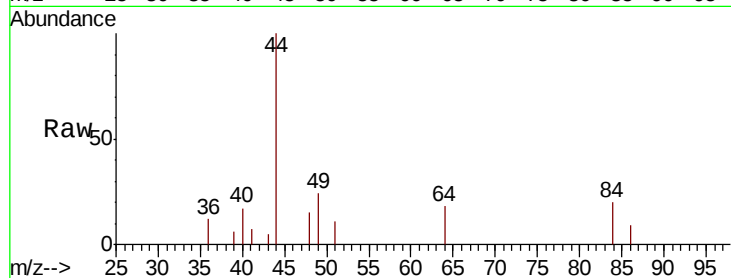




#20
Methvlene Chloride
Concen: 0.209 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006041.D
Acq: 16 Nov 2018 11:22

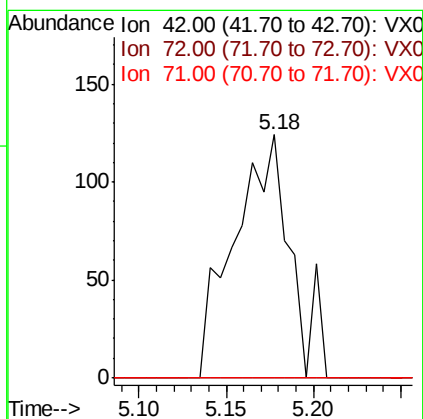
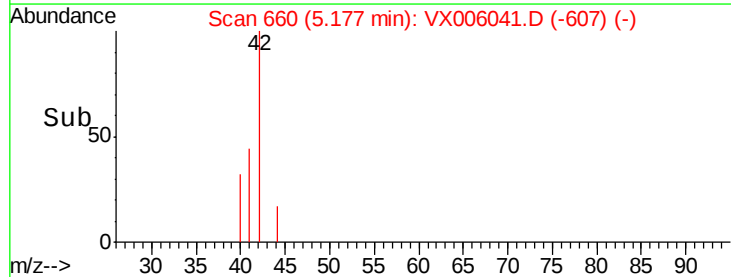
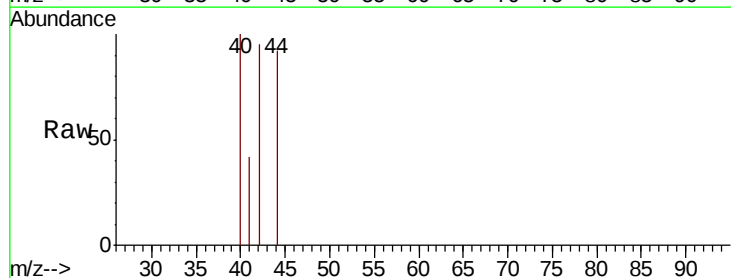
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ClientSampleId :
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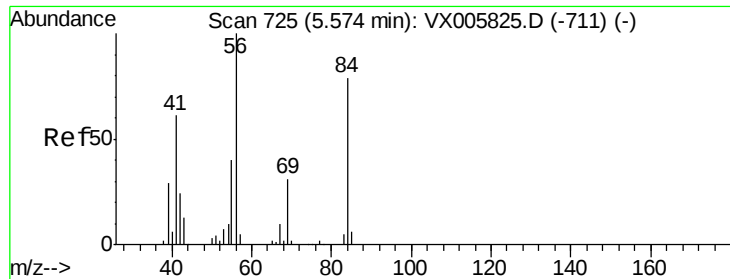
Tot Ion: 84 Resp: 305
Ion Ratio Lower Upper
84 100
49 118.5 109.5 164.3
51 54.0 33.3 49.9#
86 43.9 52.7 79.1#



#29
Tetrahydrofuran
Concen: 0.315 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX006041.D
Acq: 16 Nov 2018 11:22

Tgt Ion: 42 Resp: 282
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 29.8 44.8#

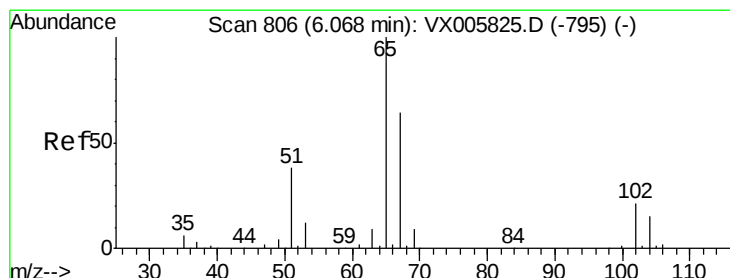
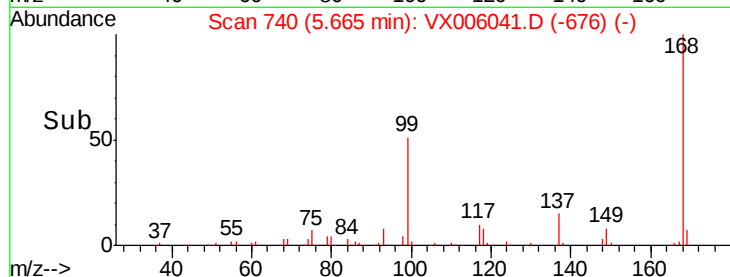
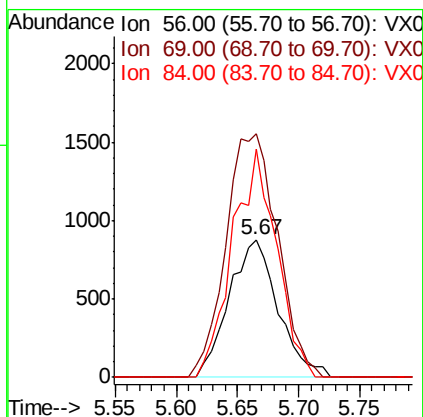
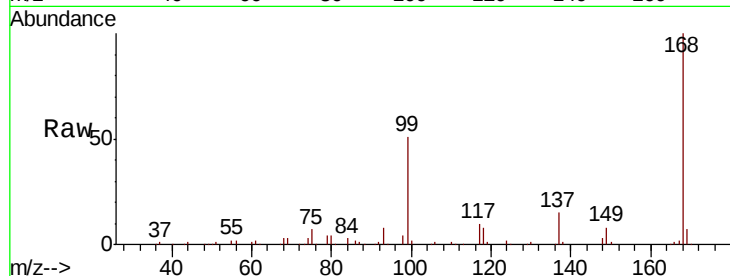




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006041.D
Acq: 16 Nov 2018 11:22

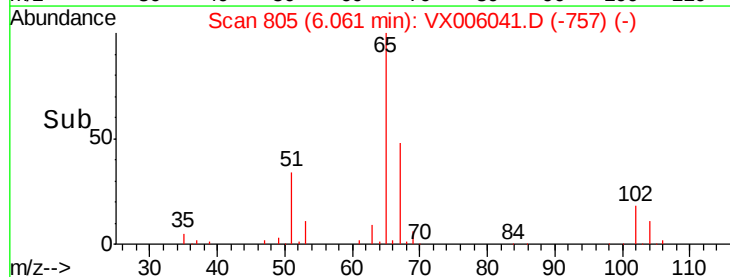
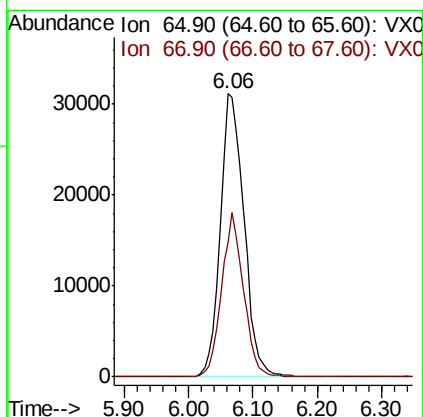
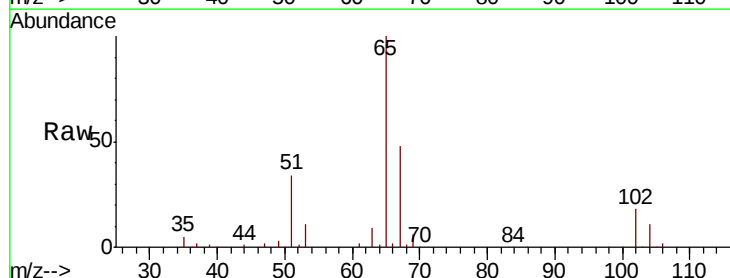
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MSVOA_X
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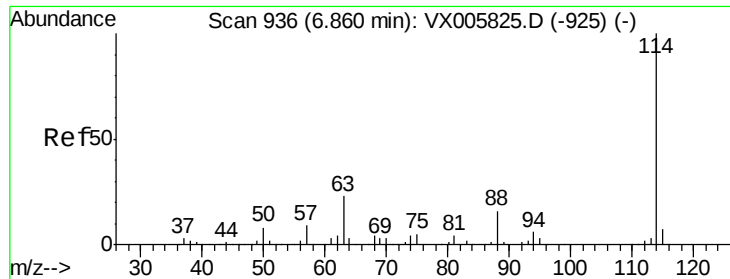
Tot Ion: 56 Resp: 2439
Ion Ratio Lower Upper
56 100
69 176.9 22.6 34.0#
84 165.8 62.7 94.1#



#33
1,2-Dichloroethane-d4
Concen: 49.202 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX006041.D
Acq: 16 Nov 2018 11:22

Tgt Ion: 65 Resp: 81085
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.0

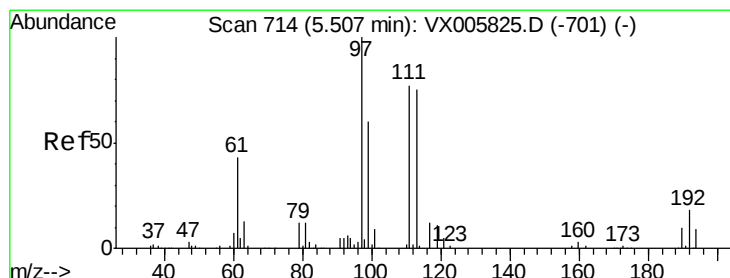
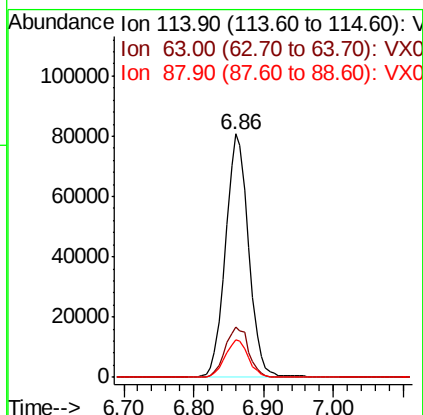
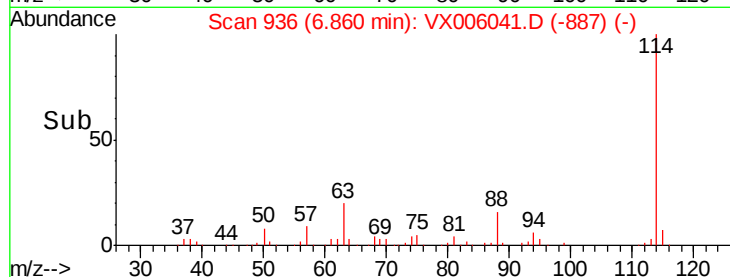
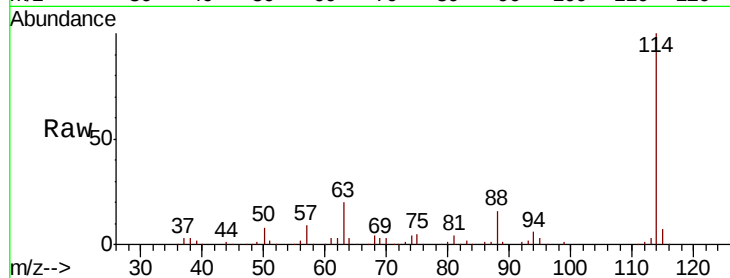




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX006041.D
Acq: 16 Nov 2018 11:22

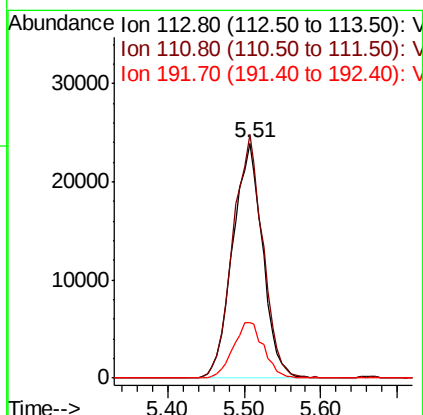
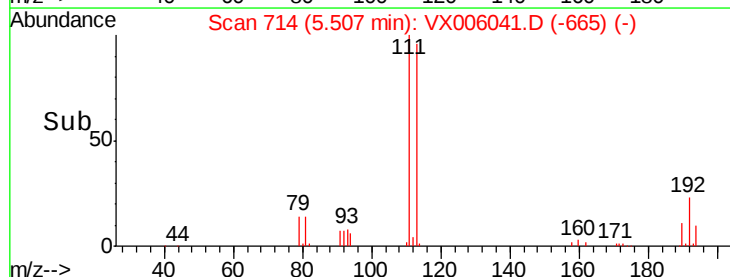
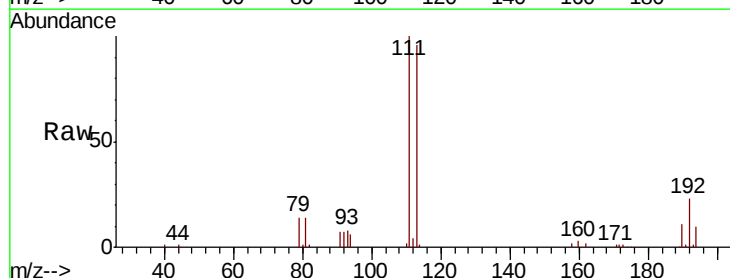
Instrument :
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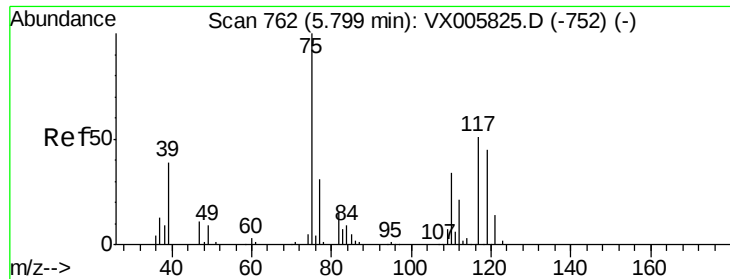
Tot Ion:114 Resp: 185195
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.8
88 15.5 0.0 31.2



#35
Dibromofluoromethane
Concen: 51.462 ug/l
RT: 5.51 min Scan# 714
Delta R.T. -0.00 min
Lab File: VX006041.D
Acq: 16 Nov 2018 11:22

Tgt Ion:113 Resp: 64822
Ion Ratio Lower Upper
113 100
111 103.9 82.3 123.5
192 24.3 17.9 26.9

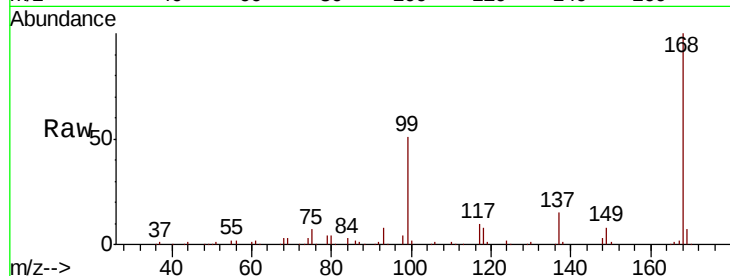




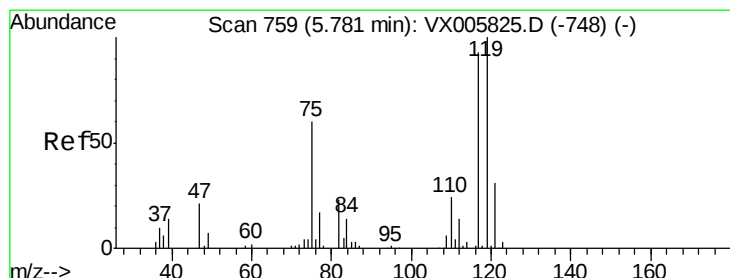
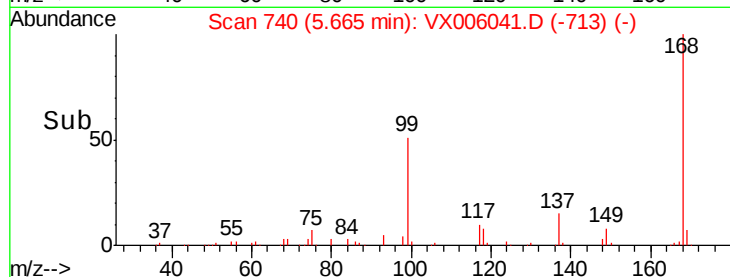
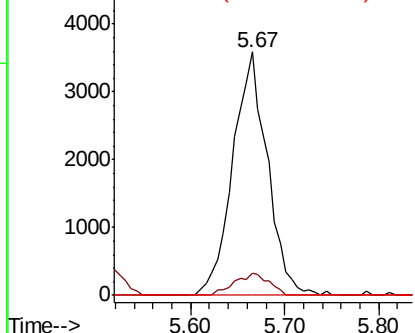
#36
 1,1-Dichloropropene
 Concen: 5.164 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006041.D
 Acq: 16 Nov 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 TB111518

Tot Ion: 75 Resp: 9220
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.4 52.2#
 77 0.0 25.8 38.6#

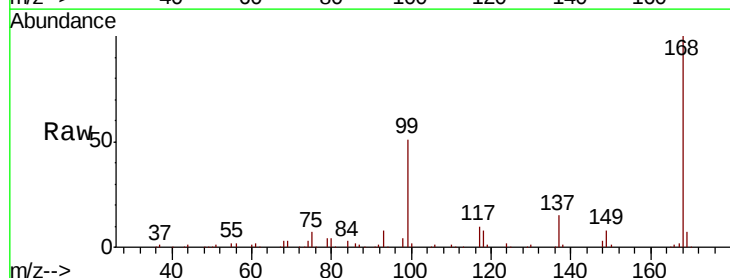


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

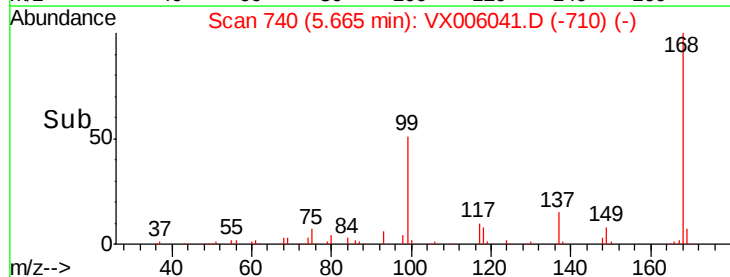
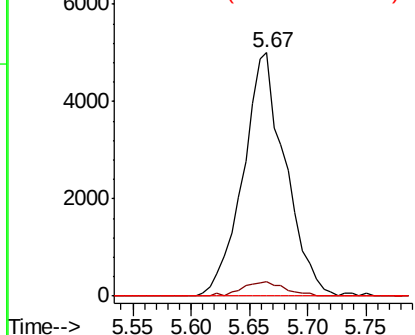


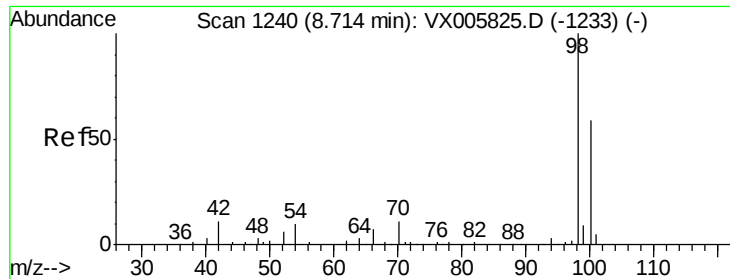
#38
 Carbon Tetrachloride
 Concen: 7.077 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006041.D
 Acq: 16 Nov 2018 11:22

Tgt Ion: 117 Resp: 12649
 Ion Ratio Lower Upper
 117 100
 119 5.9 78.1 117.1#
 121 0.0 24.6 36.8#



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: 53.180 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006041.D

Acq: 16 Nov 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

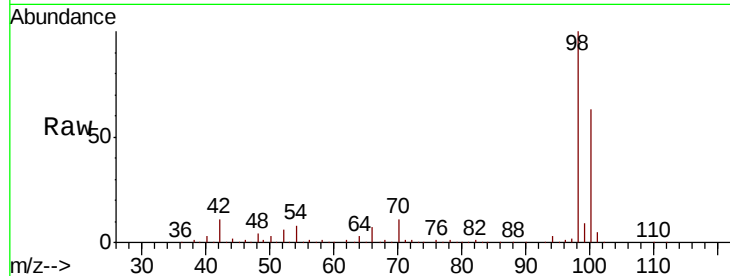
TB111518

Tot Ion: 98 Resp: 222700

Ion Ratio Lower Upper

98 100

100 63.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

150000

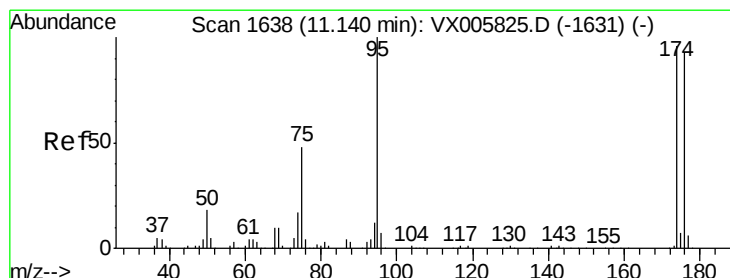
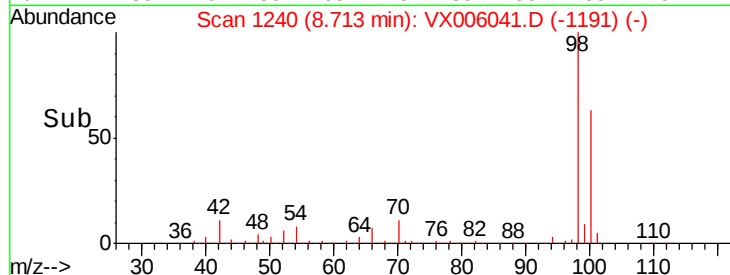
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 50.090 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006041.D

Acq: 16 Nov 2018 11:22

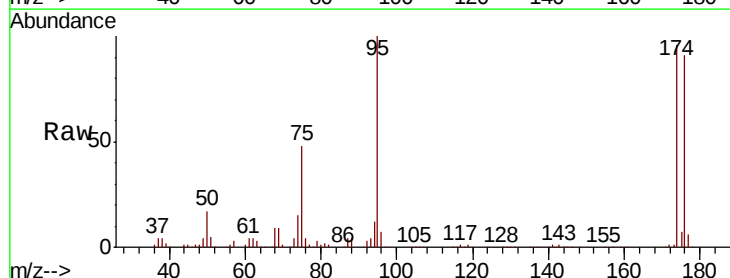
Tgt Ion: 95 Resp: 75416

Ion Ratio Lower Upper

95 100

174 92.4 0.0 184.4

176 88.1 0.0 177.4



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

80000

60000

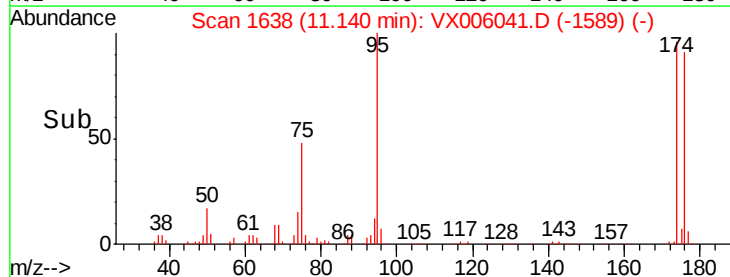
40000

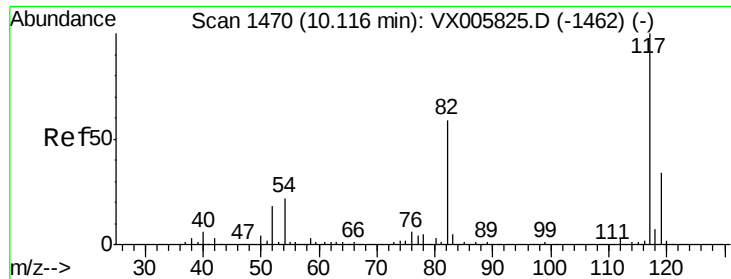
20000

0

11.10 11.20

Time-->

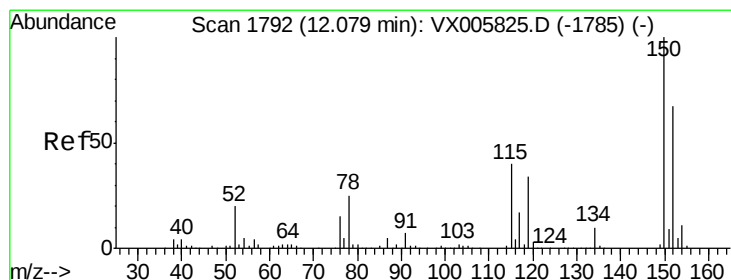
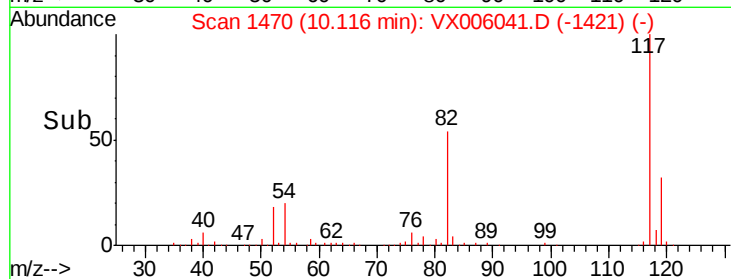
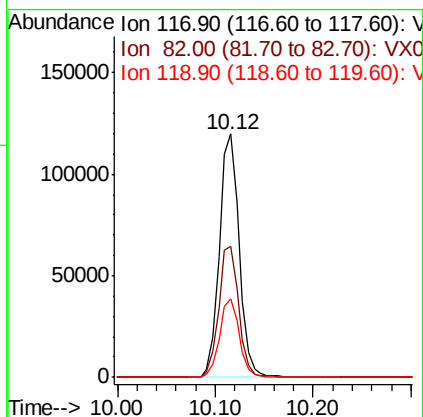
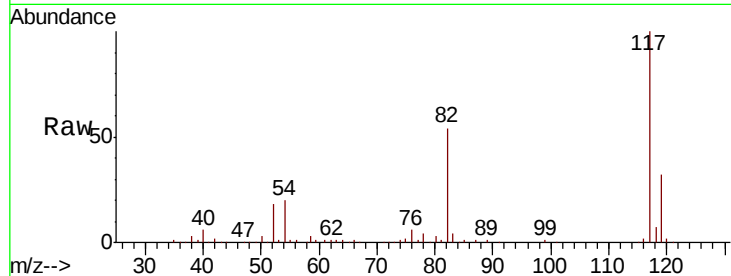




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006041.D
Acq: 16 Nov 2018 11:22

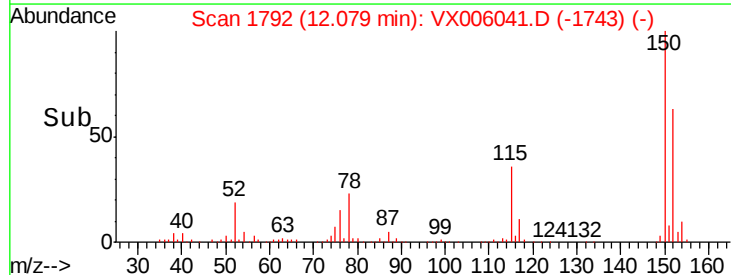
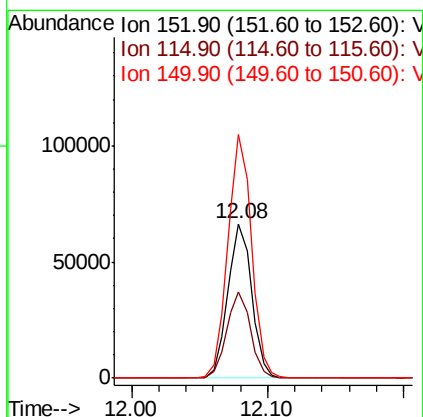
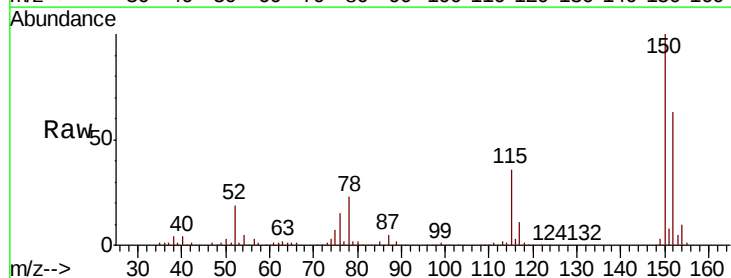
Instrument :
MSVOA_X
ClientSampleId :
TB111518

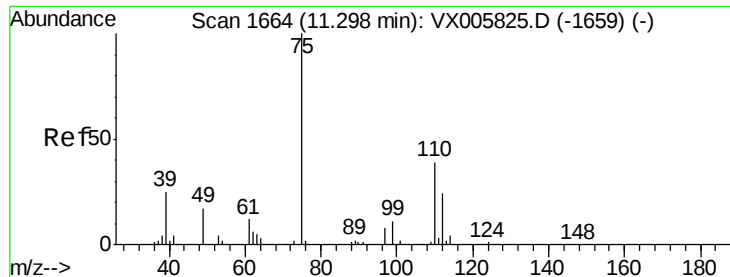
Tot Ion:117 Resp: 167926
Ion Ratio Lower Upper
117 100
82 53.6 44.1 66.1
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006041.D
Acq: 16 Nov 2018 11:22

Tgt Ion:152 Resp: 81262
Ion Ratio Lower Upper
152 100
115 55.4 39.4 118.1
150 156.3 0.0 346.4

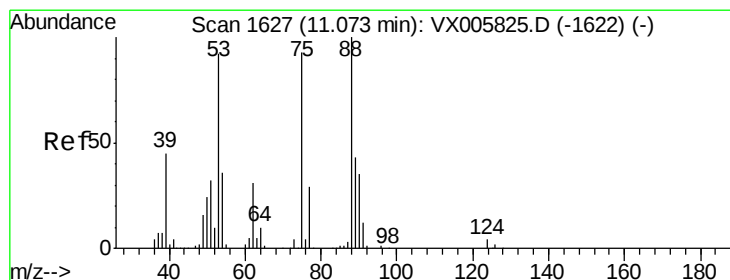
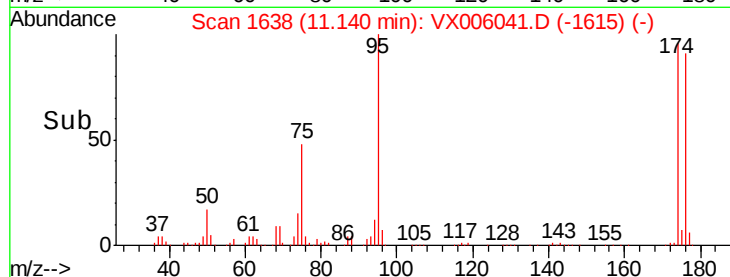
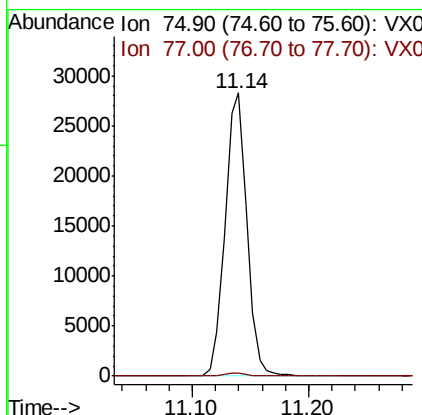
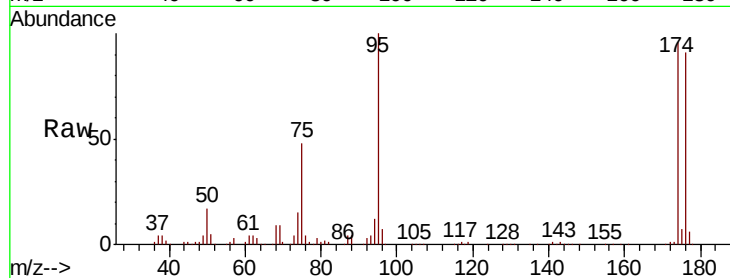




#76
 1,2,3-Trichloropropane
 Concen: 22.151 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX006041.D
 Acq: 16 Nov 2018 11:22

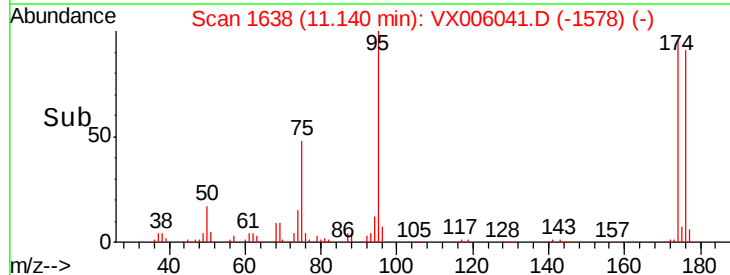
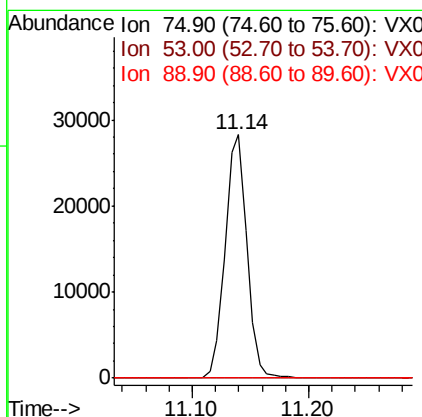
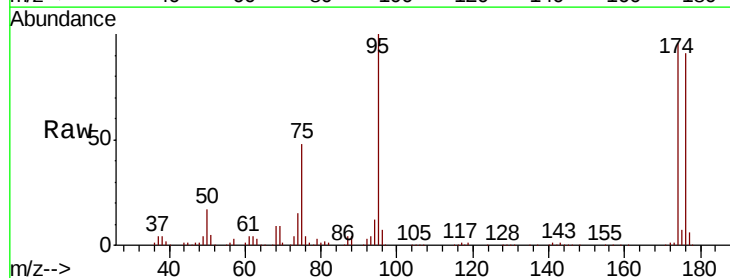
Instrument :
 MSVOA_X
 ClientSampleId :
 TB111518

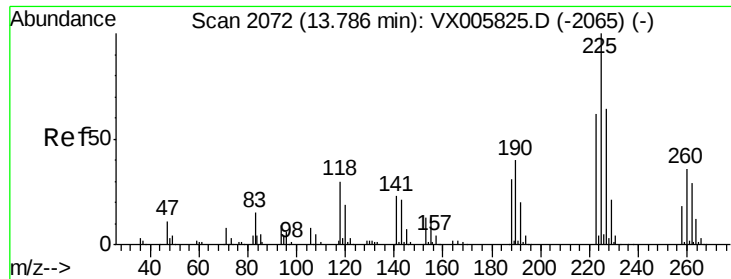
Tot Ion: 75 Resp: 36653
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.600 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX006041.D
 Acq: 16 Nov 2018 11:22

Tgt Ion: 75 Resp: 36653
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.8 59.8#





#94

Hexachlorobutadiene

Concen: 0.208 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX006041.D

Acq: 16 Nov 2018 11:22

Instrument :

MSVOA_X

ClientSampled :

TB111518

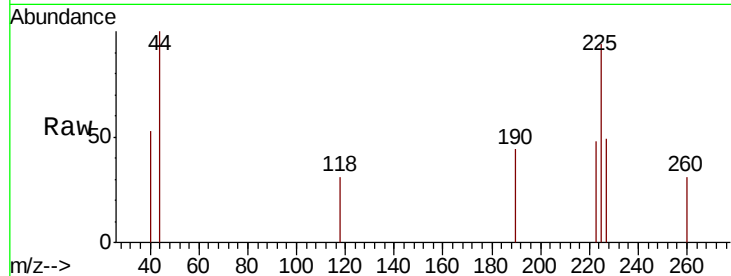
Tot Ion:225 Resp: 196

Ion Ratio Lower Upper

225 100

223 61.7 31.7 95.1

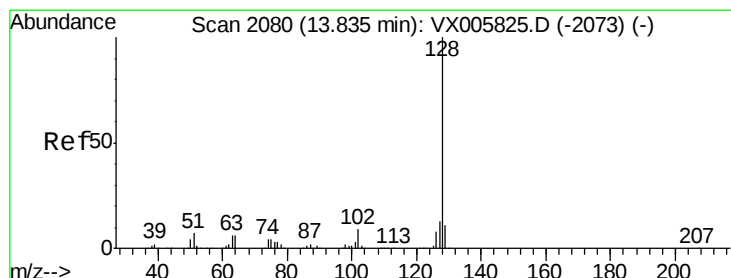
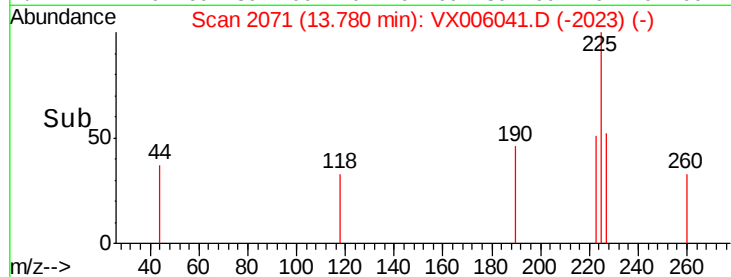
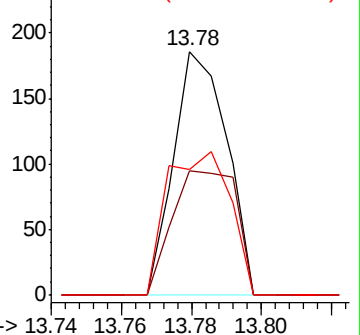
227 69.9 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.305 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX006041.D

Acq: 16 Nov 2018 11:22

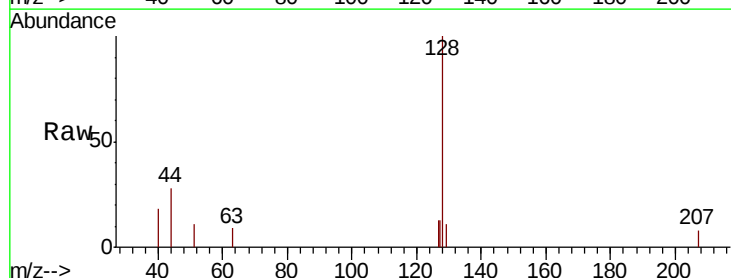
Tgt Ion:128 Resp: 762

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

129 7.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

