

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005901.D
 Acq On : 12 Nov 2018 15:34
 Operator : JC/MD
 Sample : J5899-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-EB-2018-2

Quant Time: Nov 13 04:41:44 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

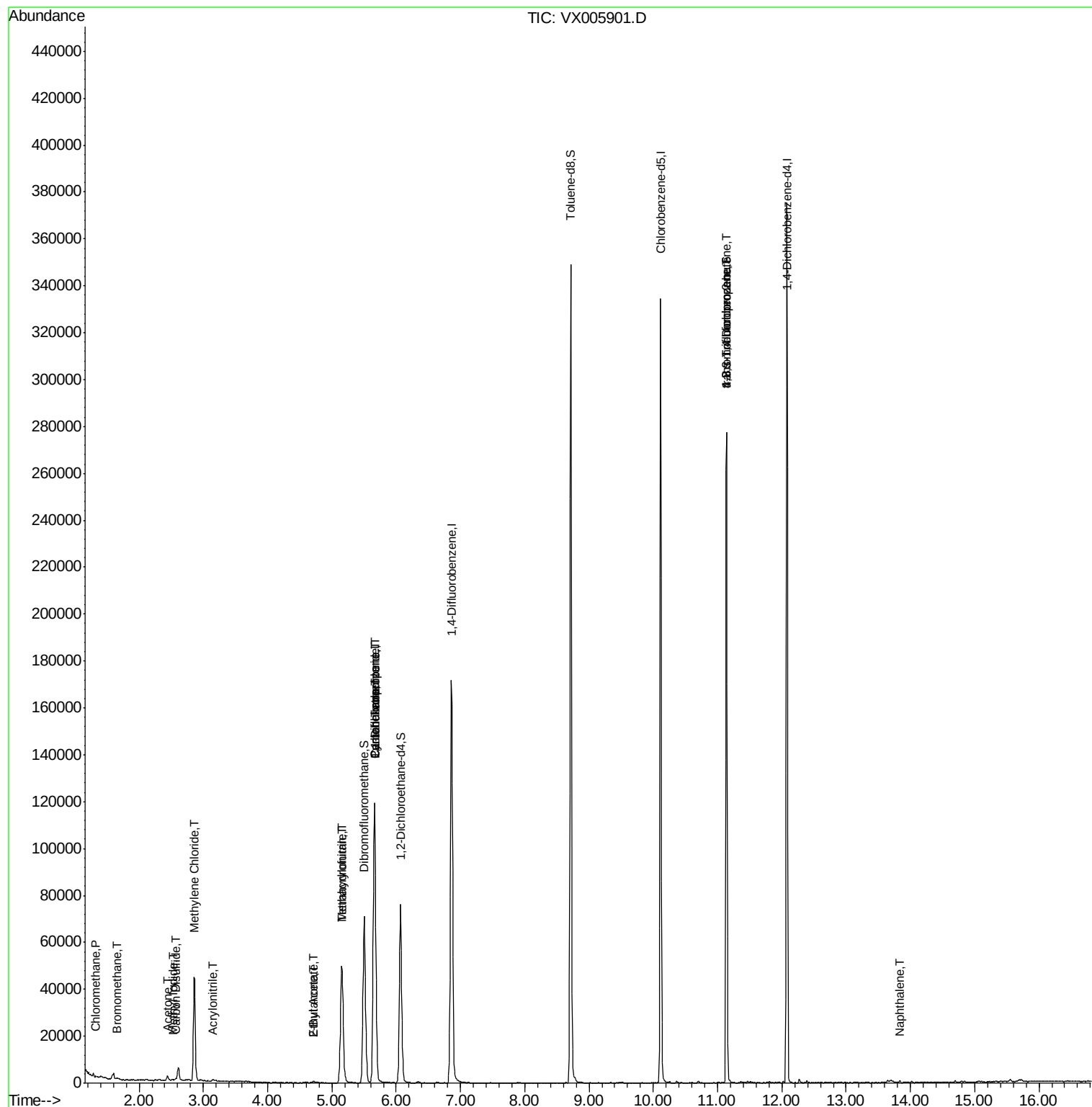
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	122959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	177632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	157716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	78389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	70541	49.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.80%	
35) Dibromofluoromethane	5.50	113	57821	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
50) Toluene-d8	8.71	98	210728	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	11.14	95	71916	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	401	0.276	ug/l #	86
5) Bromomethane	1.65	94	265	0.296	ug/l	86
10) Methyl Iodide	2.52	142	305	0.226	ug/l #	93
15) Acrylonitrile	3.15	53	176	0.210	ug/l #	74
16) Acetone	2.44	43	1999	2.626	ug/l #	77
17) Carbon Disulfide	2.57	76	891	0.275	ug/l #	78
18) Methyl Acetate	2.78	43	469	Below Cal	#	55
20) Methylene Chloride	2.85	84	19953	15.959	ug/l	94
25) 2-Butanone	4.71	43	1081	0.903	ug/l	97
29) Tetrahydrofuran	5.15	42	47467	61.783	ug/l	98
31) Cyclohexane	5.67	56	2201	1.118	ug/l #	7
36) 1,1-Dichloropropene	5.67	75	8722	5.093	ug/l #	48
37) Ethyl Acetate	4.71	43	1081	0.480	ug/l #	69
38) Carbon Tetrachloride	5.67	117	10923	6.372	ug/l #	15
41) Methacrylonitrile	5.15	41	26832	22.052	ug/l #	47
76) 1,2,3-Trichloropropane	11.13	75	35248	22.083	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	35248	70.382	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	299	Below Cal		84
95) Naphthalene	13.83	128	767	1.310	ug/l #	95

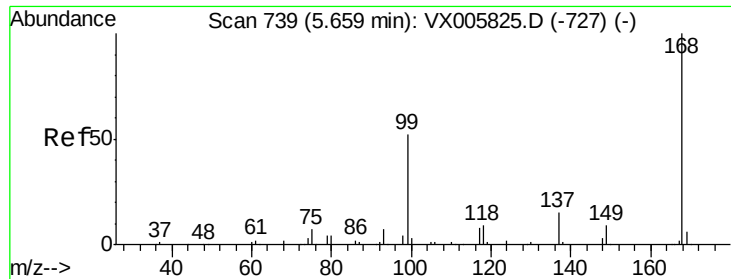
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
S36-EB-2018-2

Quant Time: Nov 13 04:41:44 2018
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QLast Update : Wed Nov 07 14:40:53 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005901.D

Acq: 12 Nov 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

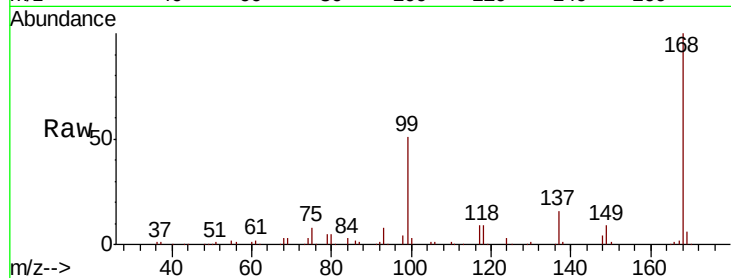
S36-EB-2018-2

Tot Ion:168 Resp: 122959

Ion Ratio Lower Upper

168 100

99 51.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VX005825.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX005825.D (-727) (-)

5.67

40000

30000

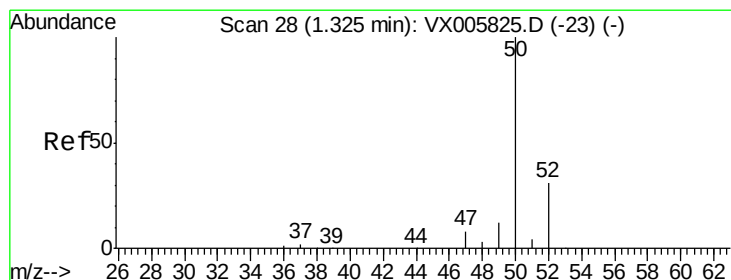
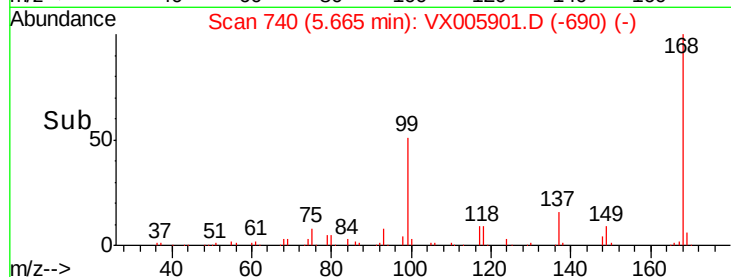
20000

10000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#3

Chloromethane

Concen: 0.276 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005901.D

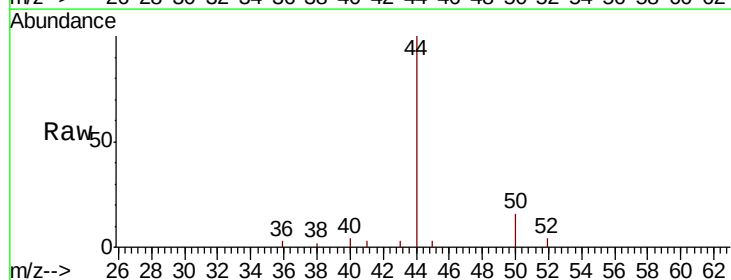
Acq: 12 Nov 2018 15:34

Tgt Ion: 50 Resp: 401

Ion Ratio Lower Upper

50 100

52 24.5 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX005825.D (-23) (-)

Ion 51.90 (51.60 to 52.60): VX005825.D (-23) (-)

1.32

400

300

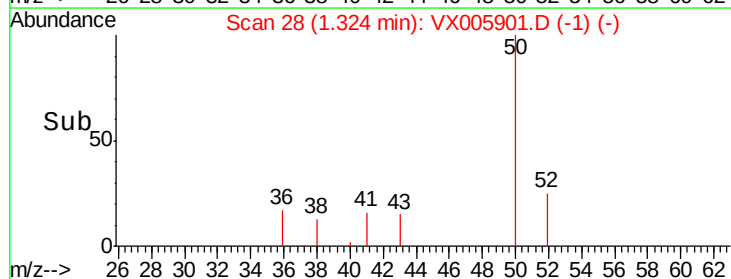
200

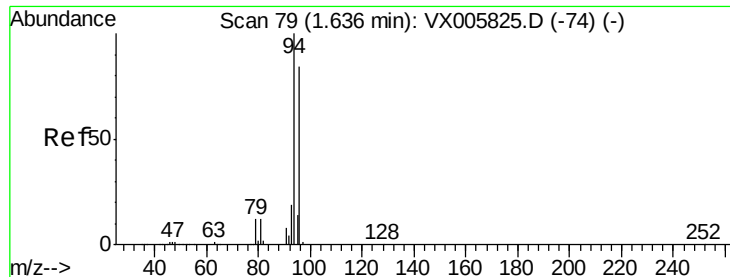
100

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.296 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX005901.D

Acq: 12 Nov 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

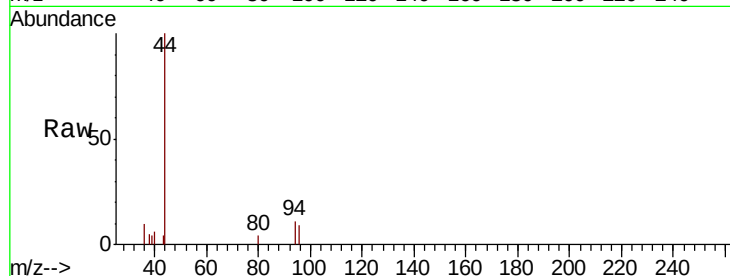
S36-EB-2018-2

Tot Ion: 94 Resp: 265

Ion Ratio Lower Upper

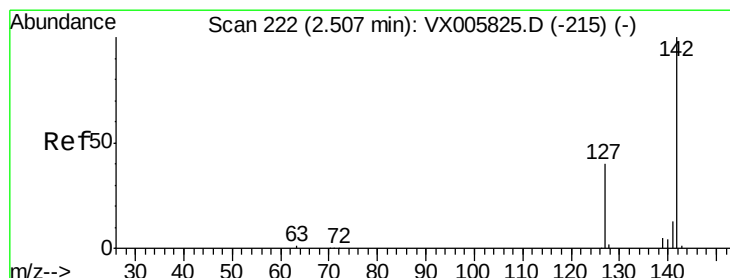
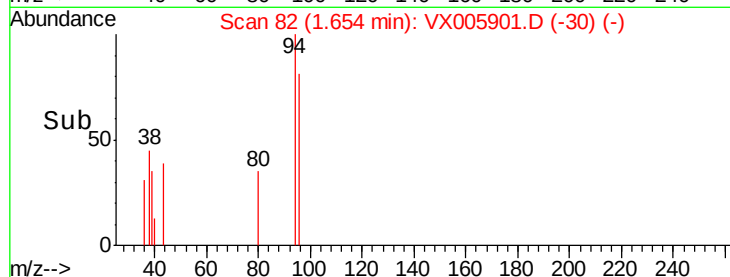
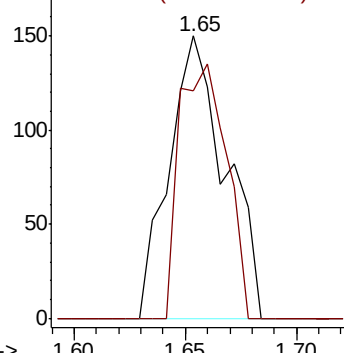
94 100

96 80.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.226 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005901.D

Acq: 12 Nov 2018 15:34

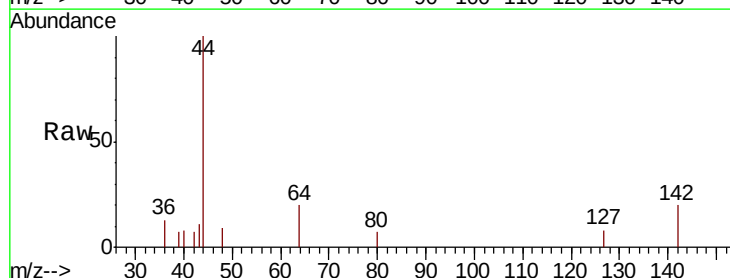
Tgt Ion: 142 Resp: 305

Ion Ratio Lower Upper

142 100

127 43.3 36.0 54.0

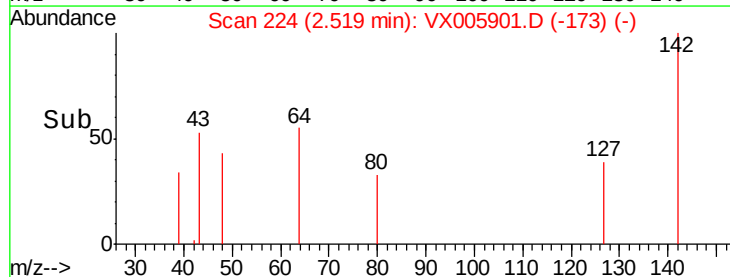
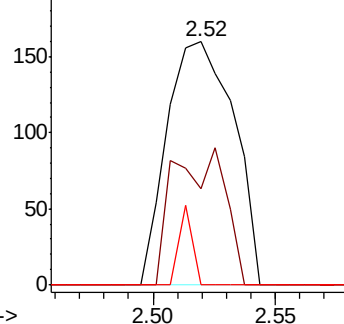
141 6.2 11.7 17.5#

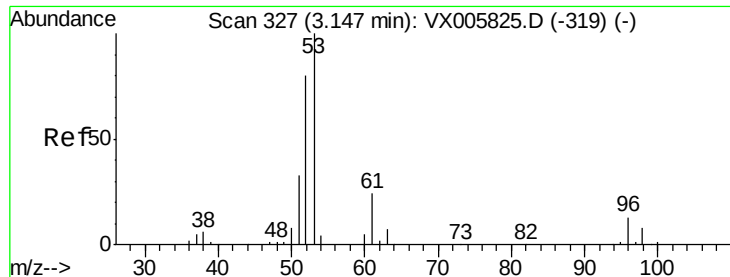


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#15

Acrylonitrile

Concen: 0.210 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005901.D

Acq: 12 Nov 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-EB-2018-2

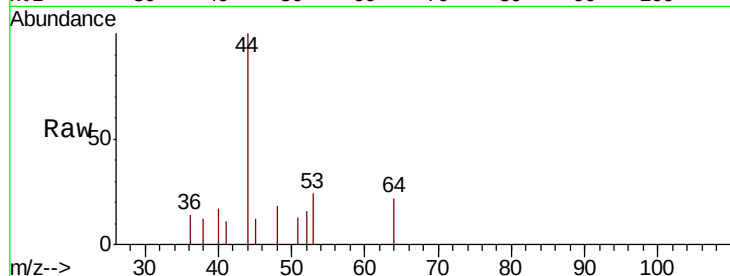
Tot Ion: 53 Resp: 176

Ion Ratio Lower Upper

53 100

52 93.2 66.6 99.8

51 0.0 28.4 42.6#

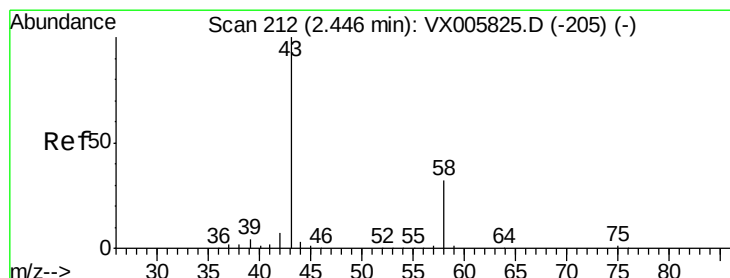
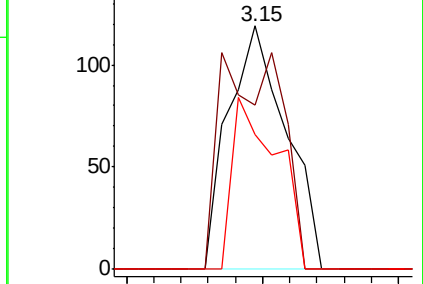
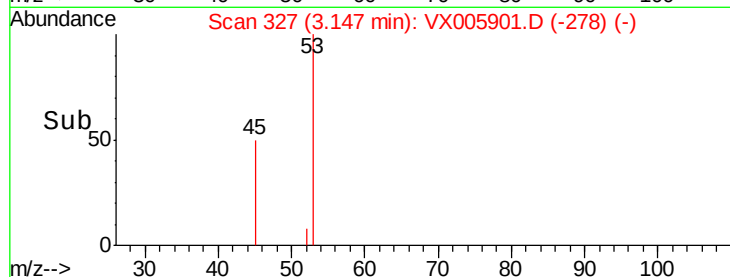


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Time-->



#16

Acetone

Concen: 2.626 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005901.D

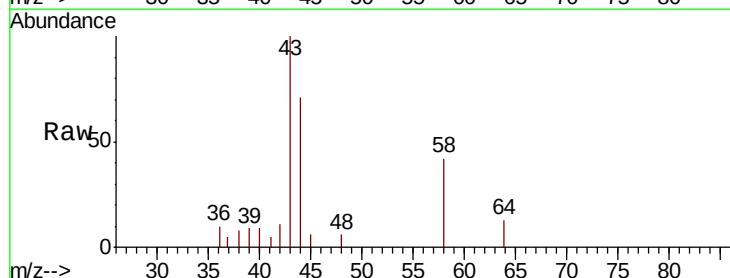
Acq: 12 Nov 2018 15:34

Tgt Ion: 43 Resp: 1999

Ion Ratio Lower Upper

43 100

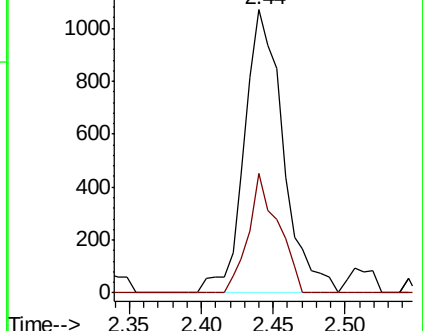
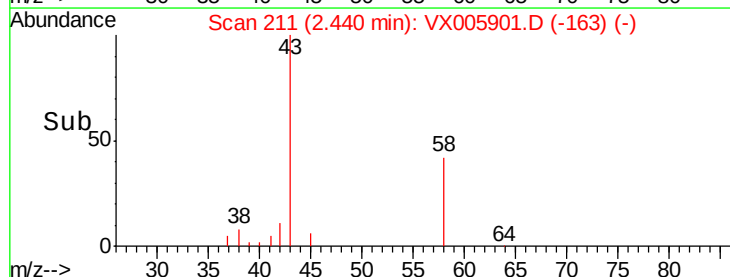
58 42.1 23.8 35.6#

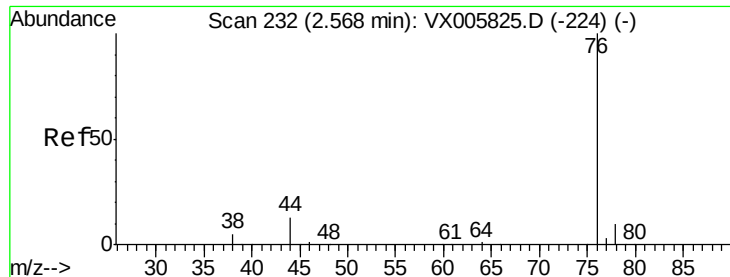


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->





#17

Carbon Disulfide

Concen: 0.275 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005901.D

Acq: 12 Nov 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

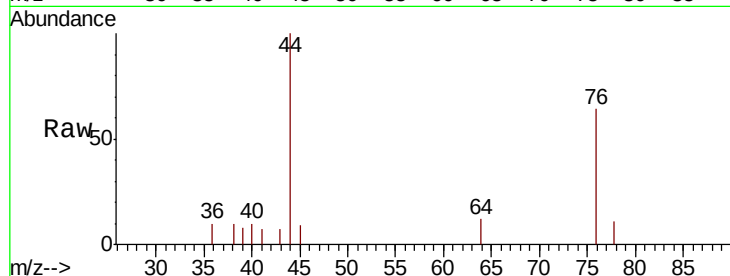
S36-EB-2018-2

Tot Ion: 76 Resp: 891

Ion Ratio Lower Upper

76 100

78 17.1 7.3 10.9#



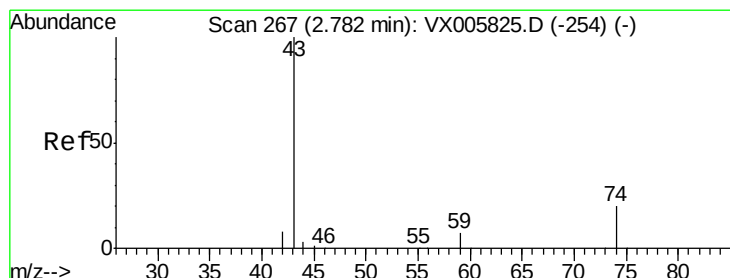
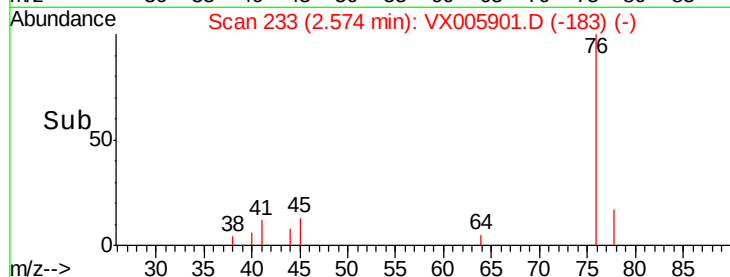
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

2.55 2.60

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005901.D

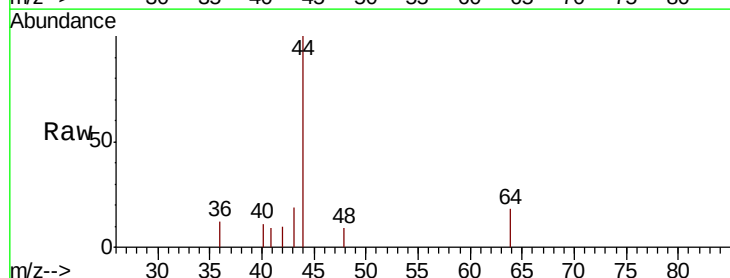
Acq: 12 Nov 2018 15:34

Tgt Ion: 43 Resp: 469

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#



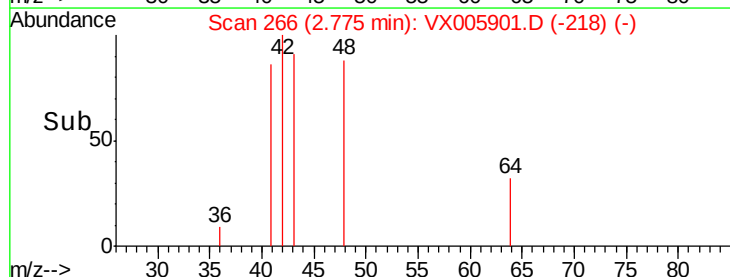
Abundance Ion 43.00 (42.70 to 43.70): VX0

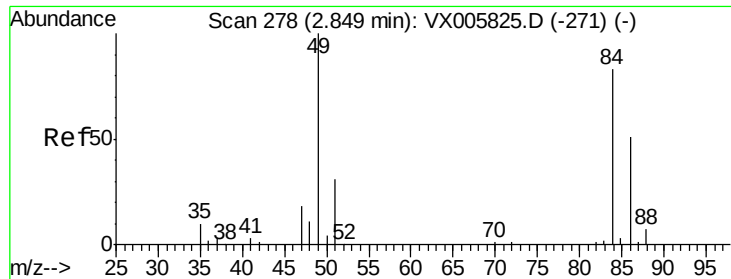
Ion 74.00 (73.70 to 74.70): VX0

2.78

2.75 2.80 2.85

Time-->

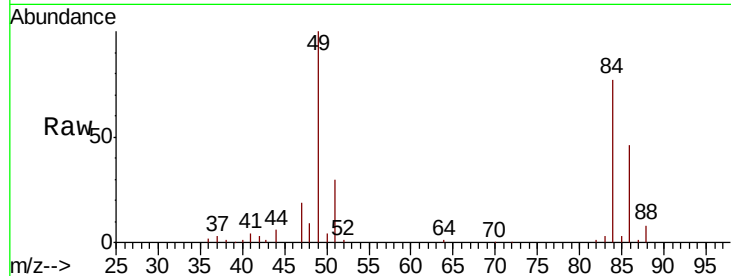




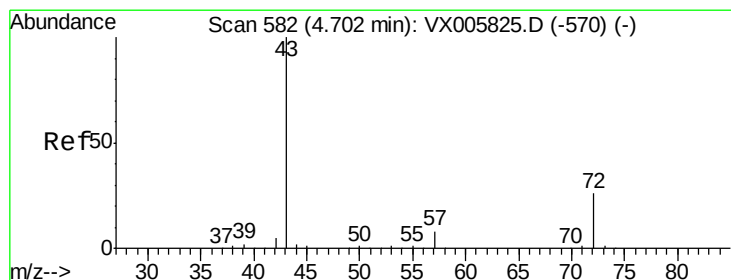
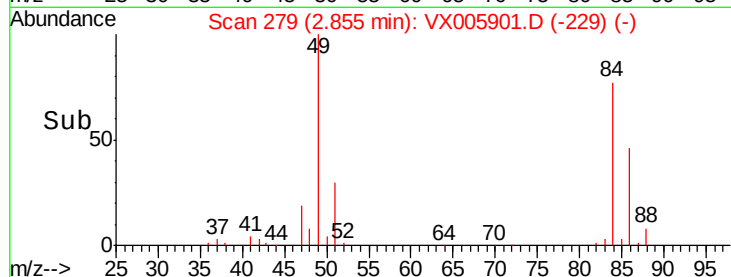
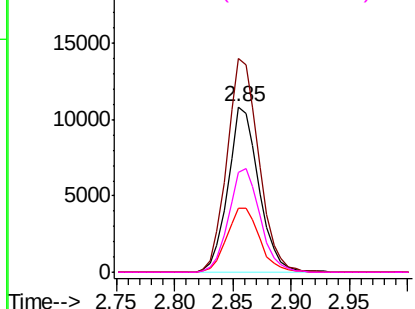
#20
Methvlene Chloride
Concen: 15.959 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005901.D
Acq: 12 Nov 2018 15:34

Instrument :
MSVOA_X
ClientSampleId :
S36-EB-2018-2

Tot Ion: 84 Resp: 19953
Ion Ratio Lower Upper
84 100
49 129.2 109.5 164.3
51 38.7 33.3 49.9
86 60.0 52.7 79.1

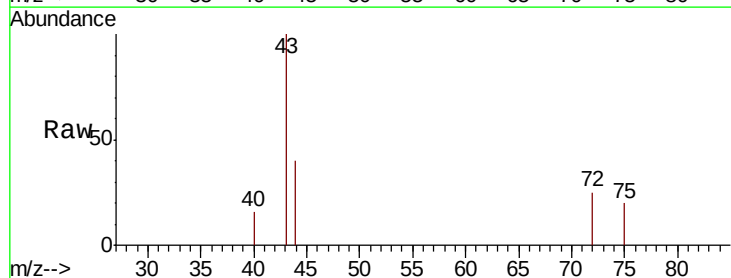


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

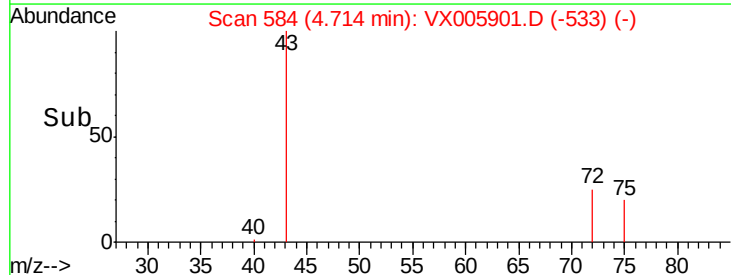
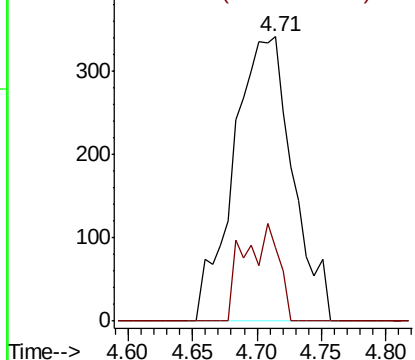


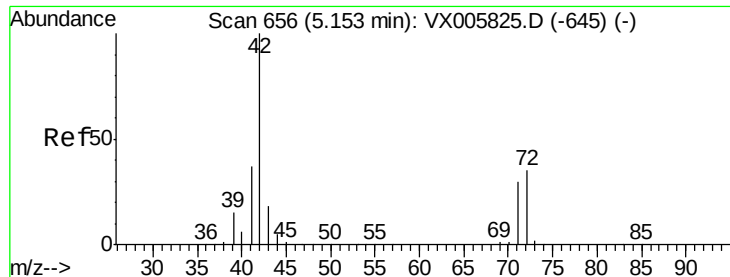
#25
2-Butanone
Concen: 0.903 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX005901.D
Acq: 12 Nov 2018 15:34

Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
72 25.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 61.783 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005901.D

Acq: 12 Nov 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-EB-2018-2

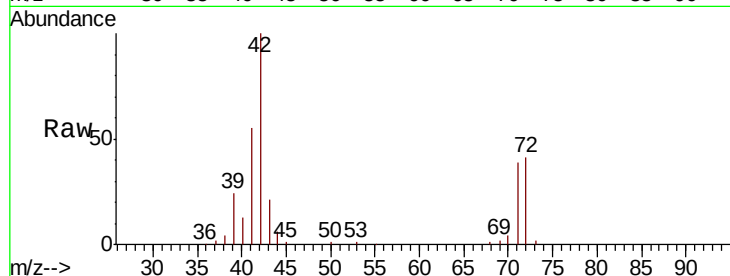
Tot Ion: 42 Resp: 47467

Ion Ratio Lower Upper

42 100

72 40.2 32.0 48.0

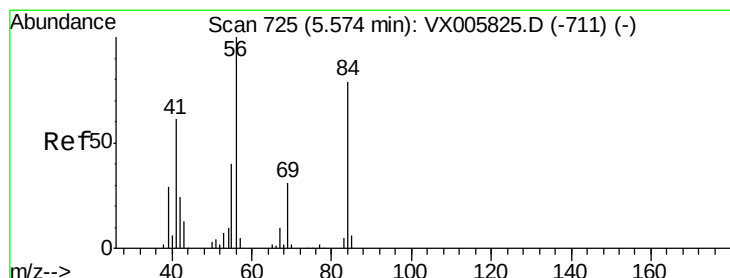
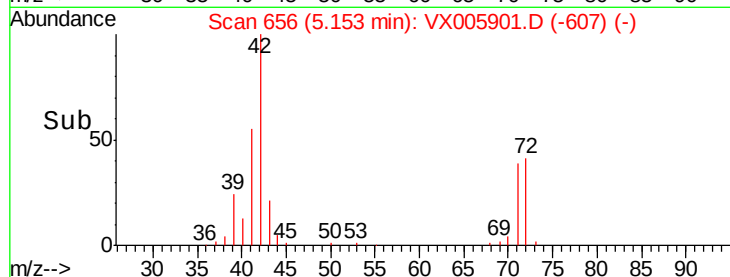
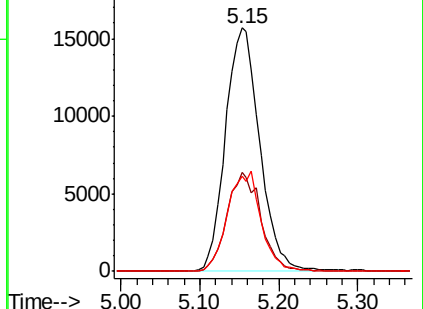
71 39.9 29.8 44.8



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: 1.118 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.10 min

Lab File: VX005901.D

Acq: 12 Nov 2018 15:34

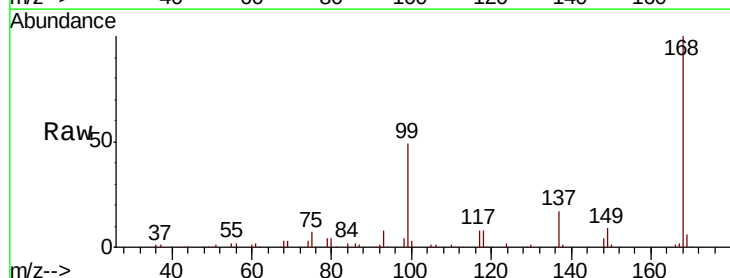
Tgt Ion: 56 Resp: 2201

Ion Ratio Lower Upper

56 100

69 166.5 22.6 34.0#

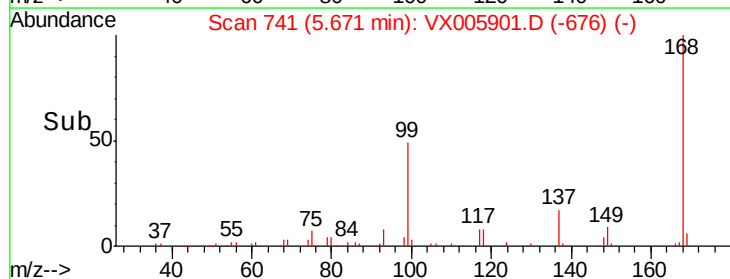
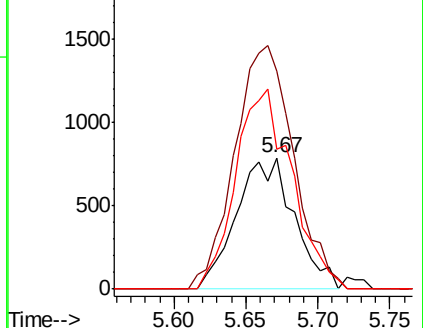
84 107.0 62.7 94.1#

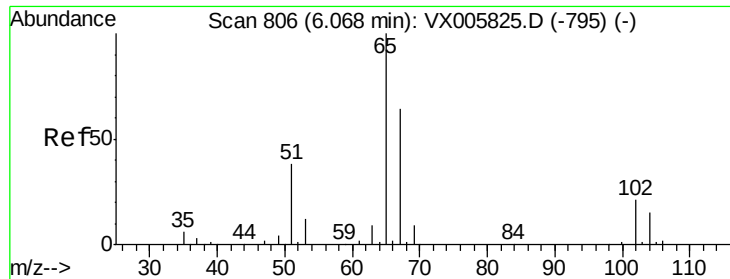


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

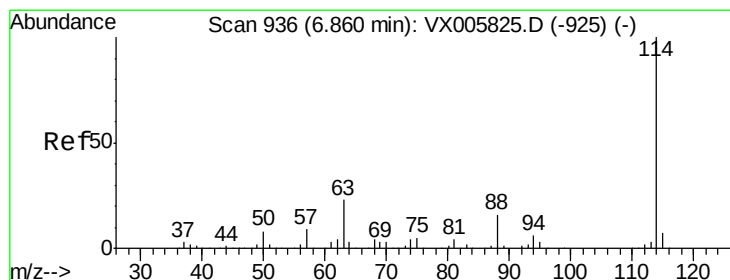
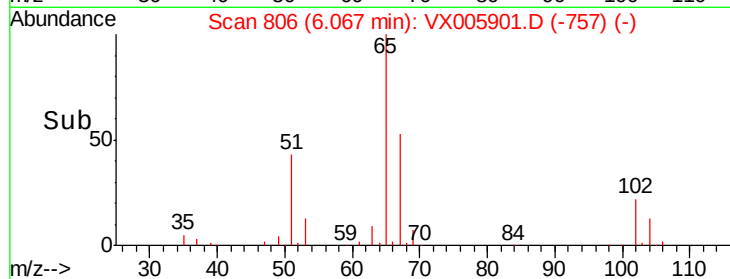
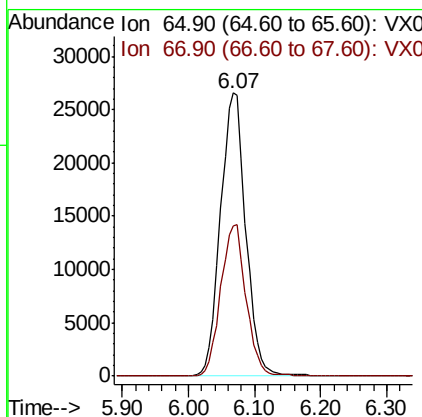
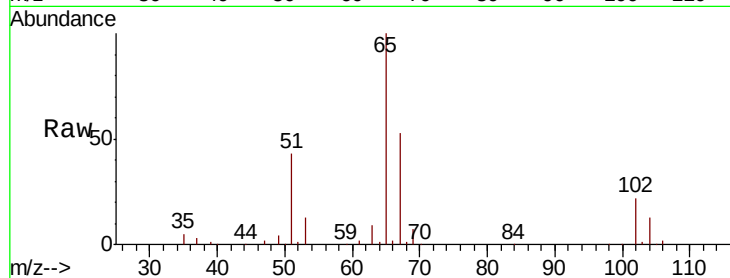




#33
 1,2-Dichloroethane-d4
 Concen: 49.903 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005901.D
 Acq: 12 Nov 2018 15:34

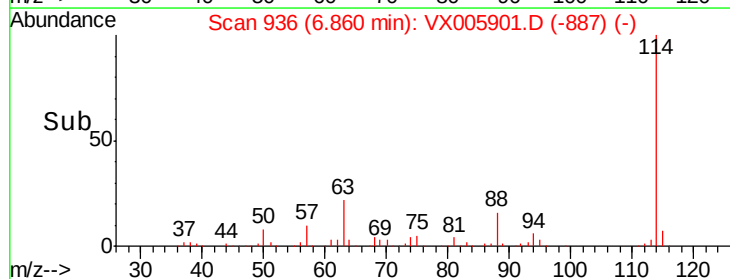
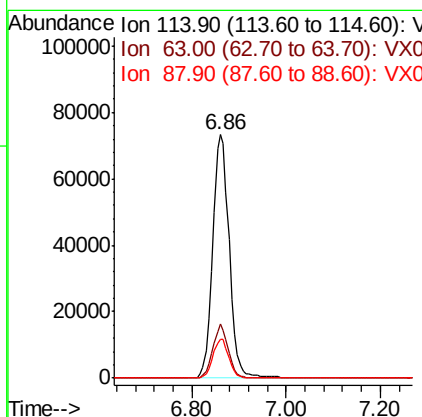
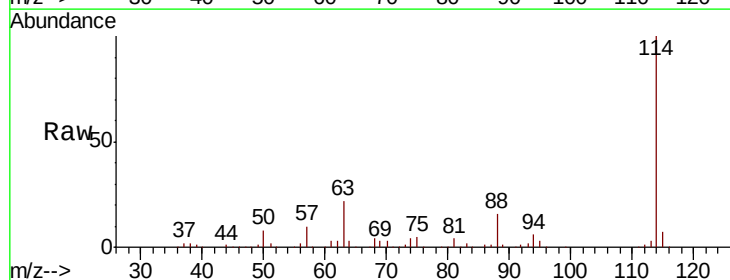
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-EB-2018-2

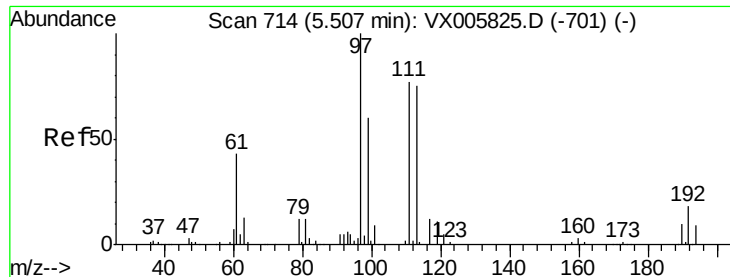
Tot Ion: 65 Resp: 70541
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005901.D
 Acq: 12 Nov 2018 15:34

Tgt Ion: 114 Resp: 177632
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.8
 88 15.8 0.0 31.2

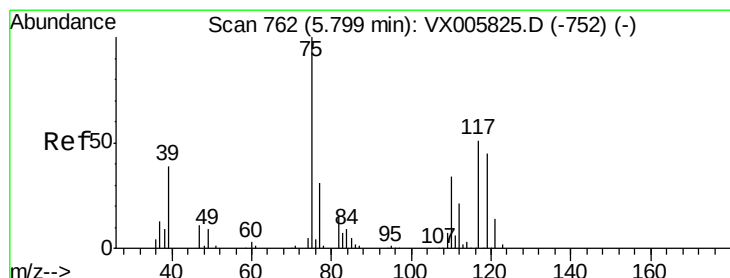
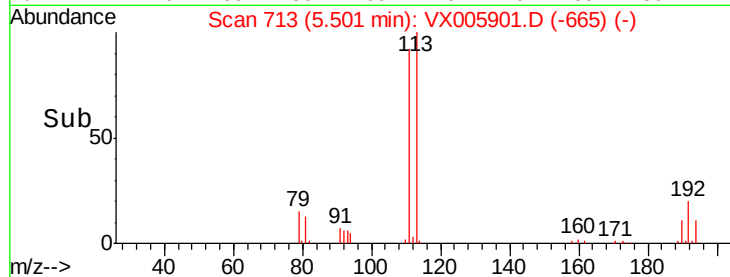
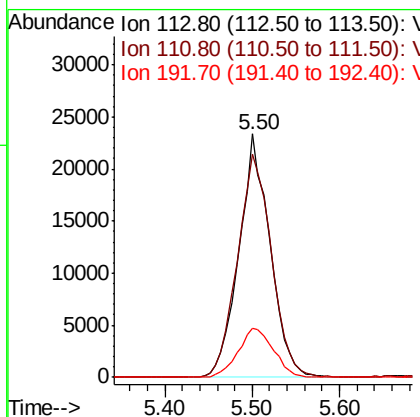
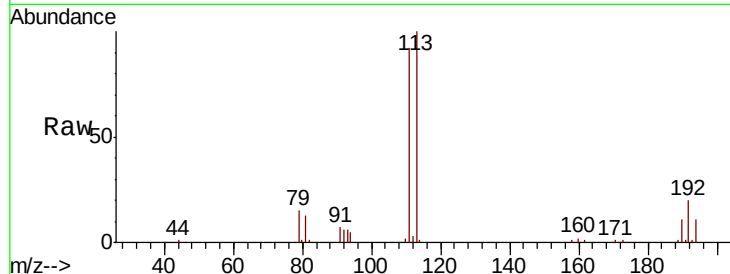




#35
 Dibromofluoromethane
 Concen: 47.859 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005901.D
 Acq: 12 Nov 2018 15:34

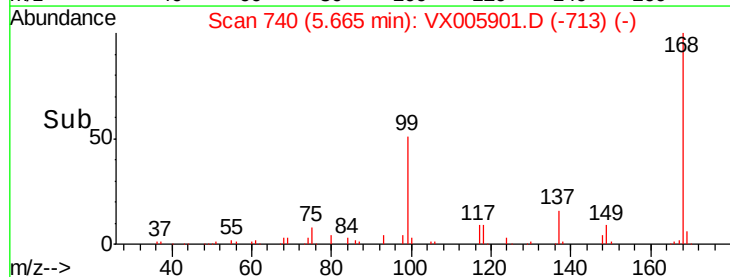
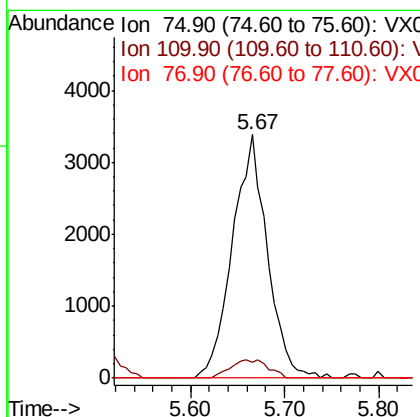
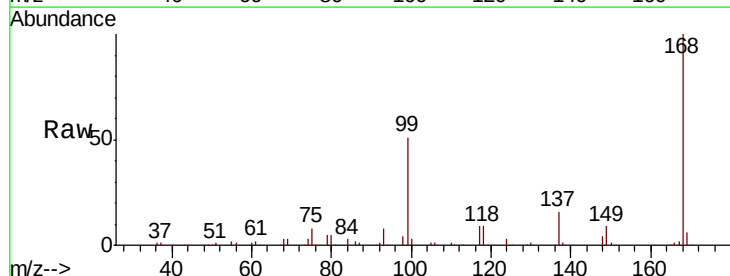
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-EB-2018-2

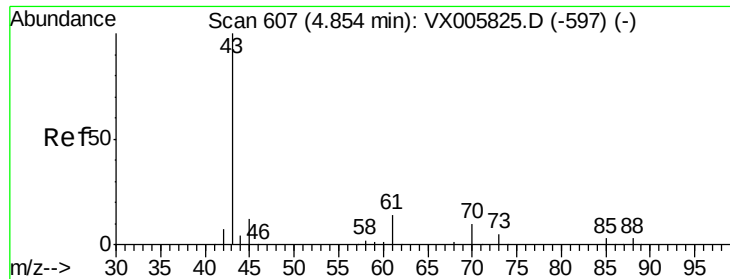
Tot Ion:113 Resp: 57821
 Ion Ratio Lower Upper
 113 100
 111 100.1 82.3 123.5
 192 22.8 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 5.093 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005901.D
 Acq: 12 Nov 2018 15:34

Tgt Ion: 75 Resp: 8722
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.4 52.2#
 77 0.0 25.8 38.6#

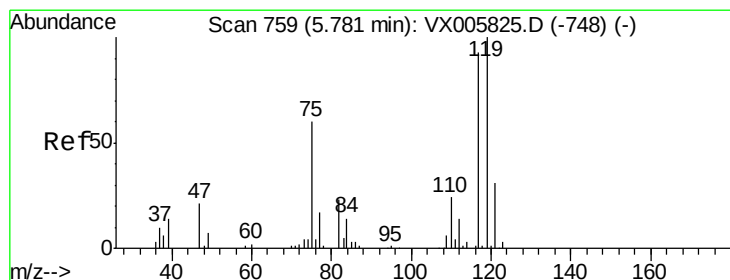
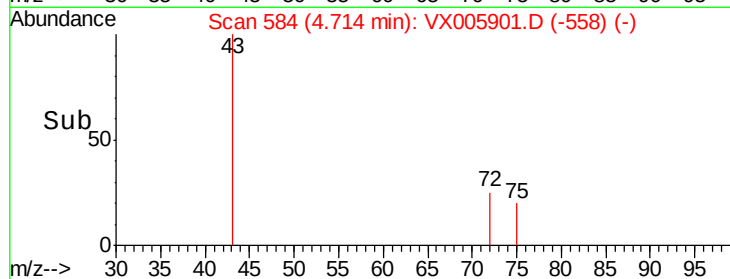
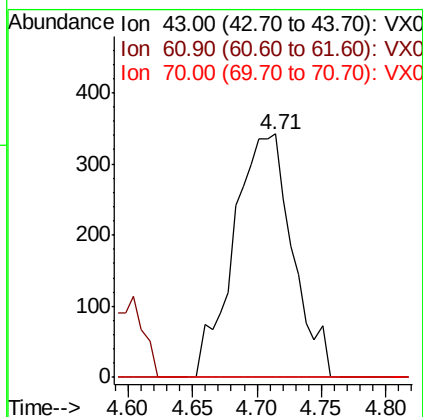
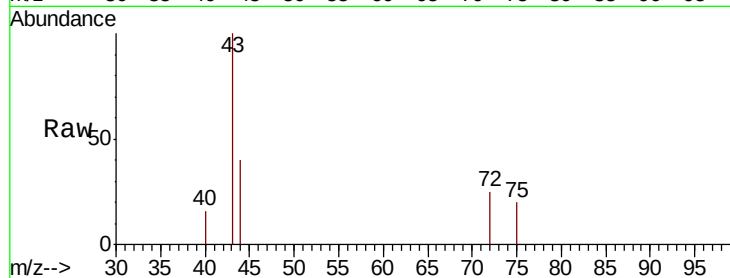




#37
Ethyl Acetate
Concen: 0.480 ug/l
RT: 4.71 min Scan# 584
Delta R.T. -0.14 min
Lab File: VX005901.D
Acq: 12 Nov 2018 15:34

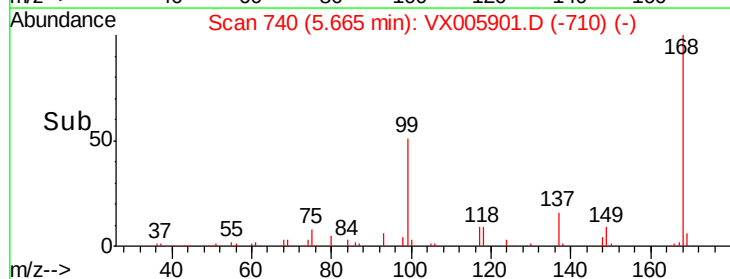
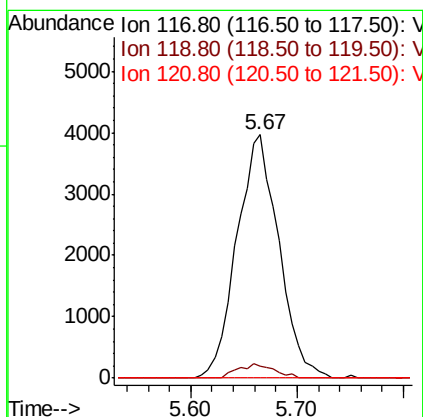
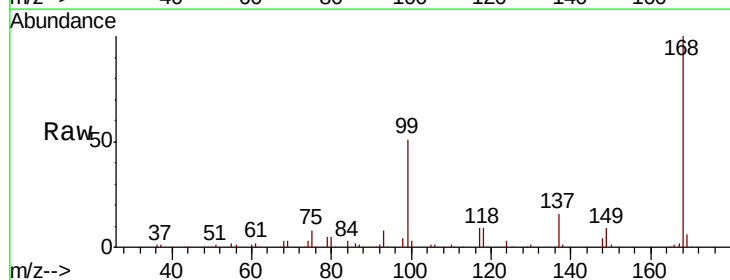
Instrument :
MSVOA_X
ClientSampleId :
S36-EB-2018-2

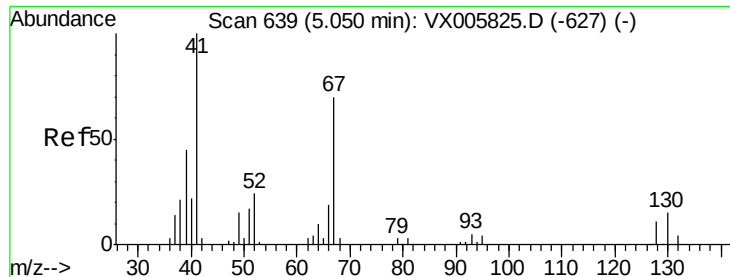
Tot Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.372 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005901.D
Acq: 12 Nov 2018 15:34

Tgt Ion: 117 Resp: 10923
Ion Ratio Lower Upper
117 100
119 4.9 78.1 117.1#
121 0.0 24.6 36.8#

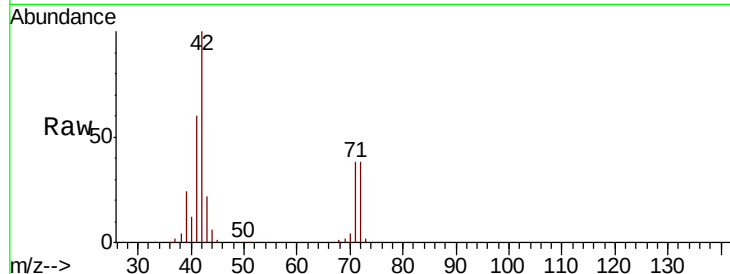




#41
Methacrylonitrile
Concen: 22.052 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.10 min
Lab File: VX005901.D
Acq: 12 Nov 2018 15:34

Instrument :
MSVOA_X
ClientSampled :
S36-EB-2018-2

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.7	42.2	63.2
67	0.0	53.4	80.0#
52	0.0	23.4	35.2#



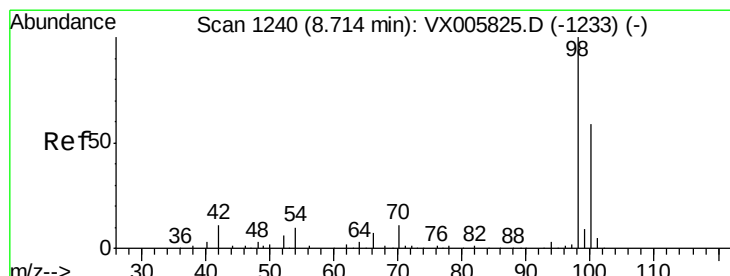
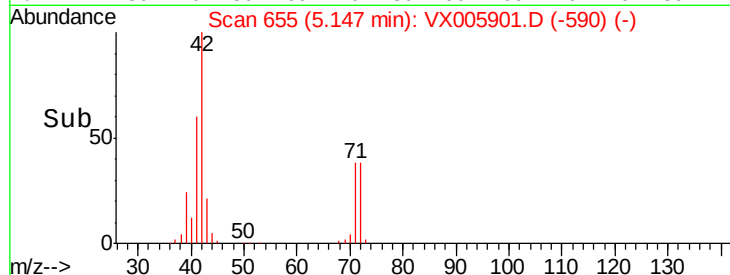
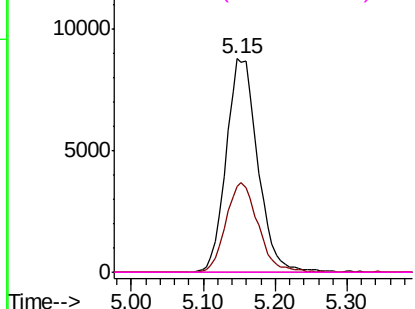
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

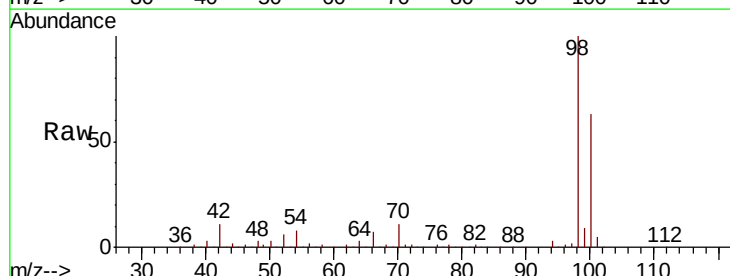
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#50
Toluene-d8
Concen: 52.464 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005901.D
Acq: 12 Nov 2018 15:34

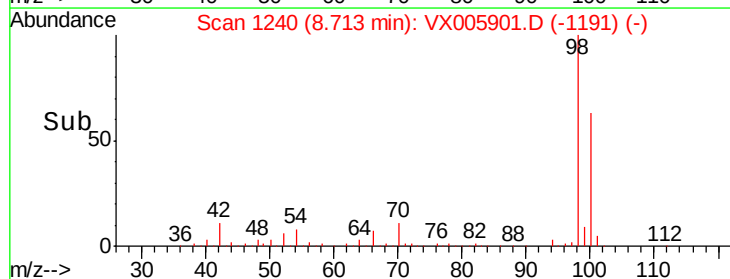
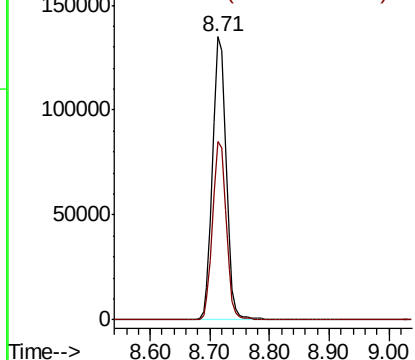
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.3	76.9

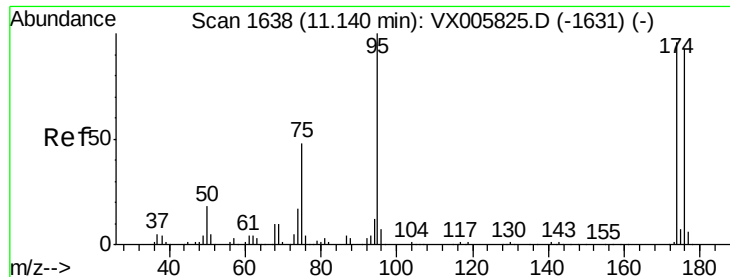


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

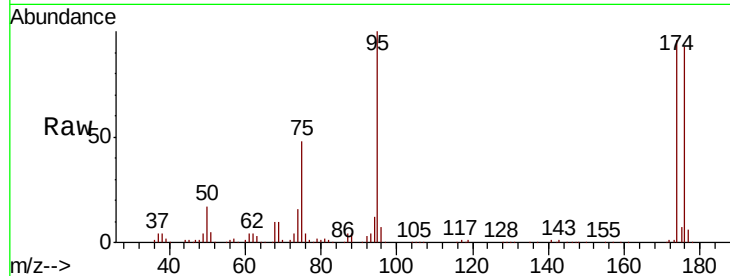




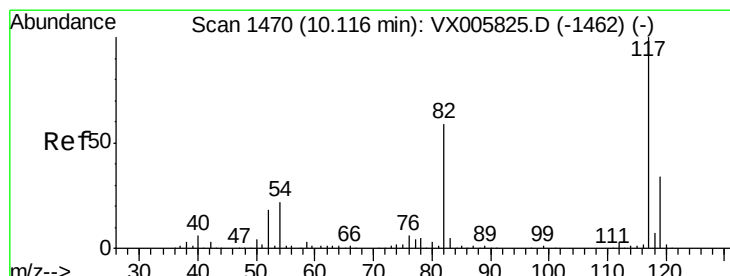
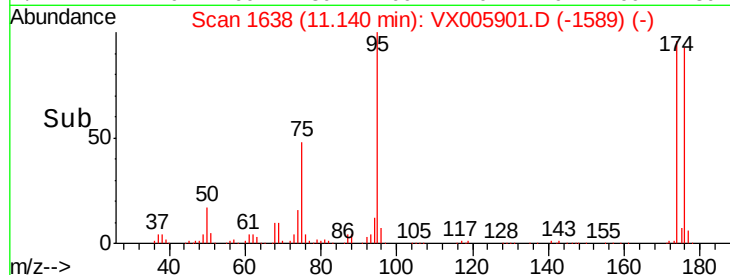
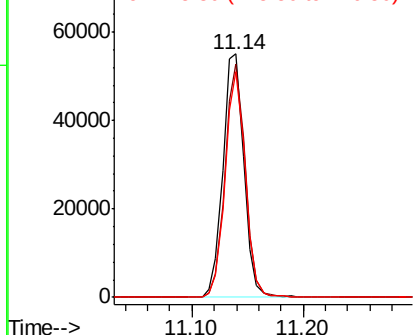
#62
4-Bromofluorobenzene
Concen: 49.799 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005901.D
Acq: 12 Nov 2018 15:34

Instrument :
MSVOA_X
ClientSampleId :
S36-EB-2018-2

Tot Ion: 95 Resp: 71916
Ion Ratio Lower Upper
95 100
174 92.2 0.0 184.4
176 88.9 0.0 177.4

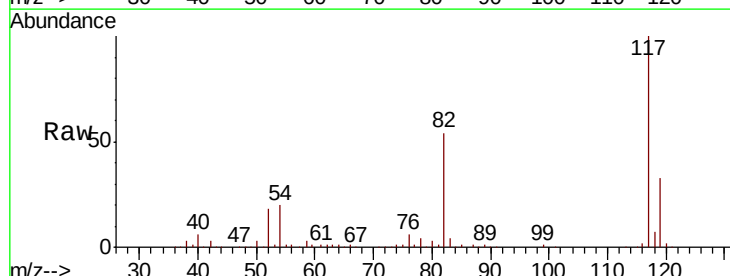


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

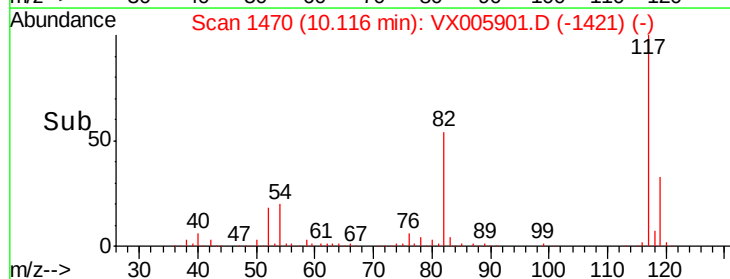
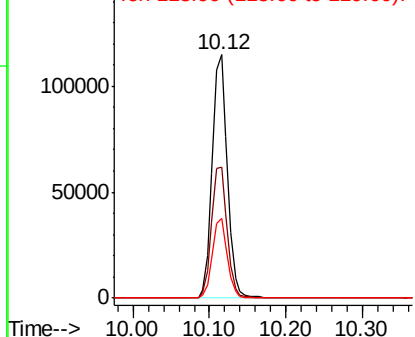


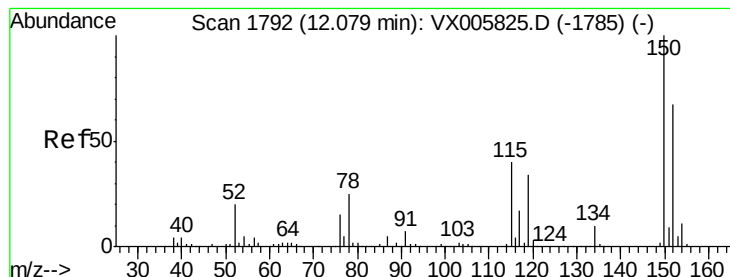
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005901.D
Acq: 12 Nov 2018 15:34

Tgt Ion: 117 Resp: 157716
Ion Ratio Lower Upper
117 100
82 53.9 44.1 66.1
119 33.0 26.2 39.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005901.D

Acq: 12 Nov 2018 15:34

Instrument :

MSVOA_X

ClientSampled :

S36-EB-2018-2

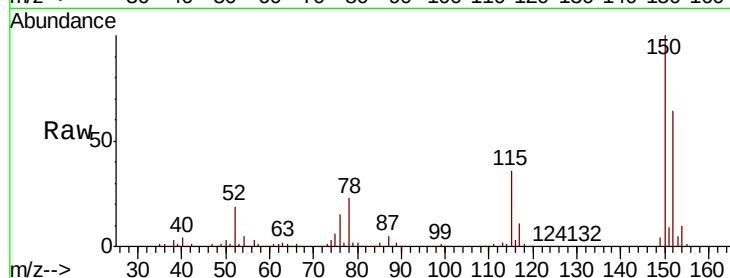
Tot Ion:152 Resp: 78389

Ion Ratio Lower Upper

152 100

115 55.7 39.4 118.1

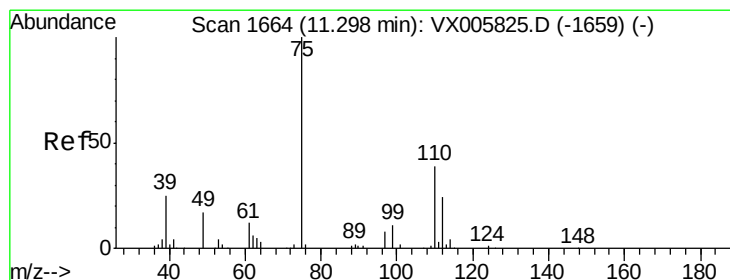
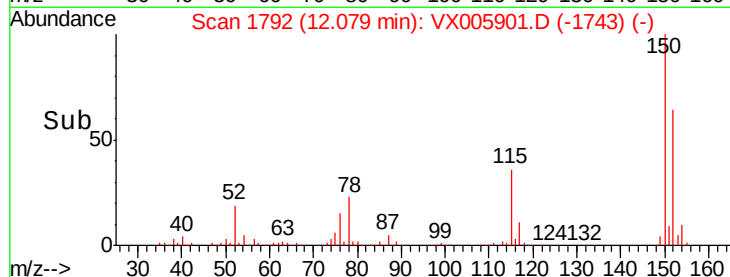
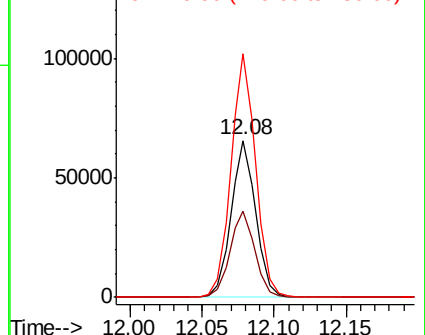
150 156.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.083 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005901.D

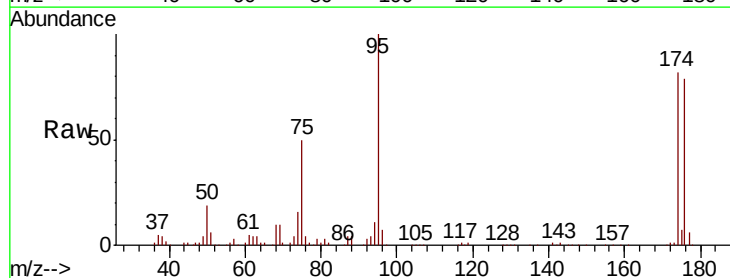
Acq: 12 Nov 2018 15:34

Tgt Ion: 75 Resp: 35248

Ion Ratio Lower Upper

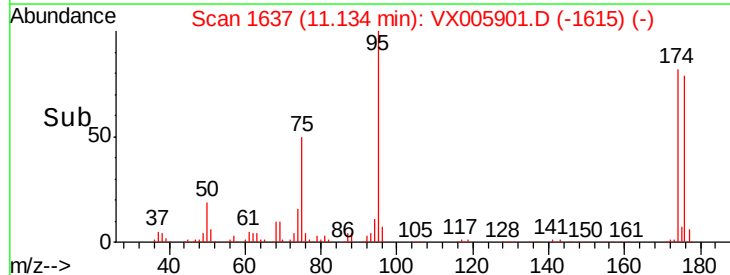
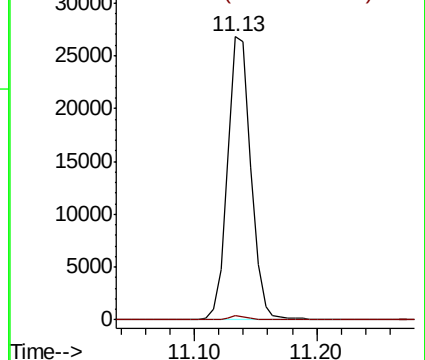
75 100

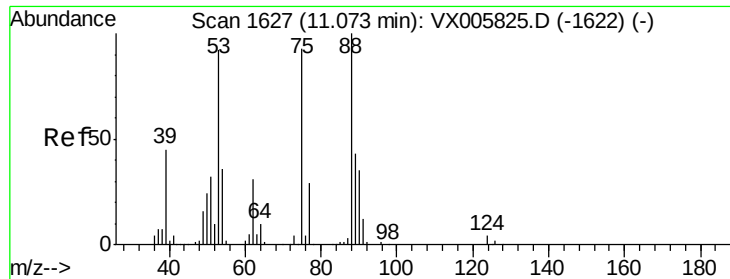
77 1.2 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

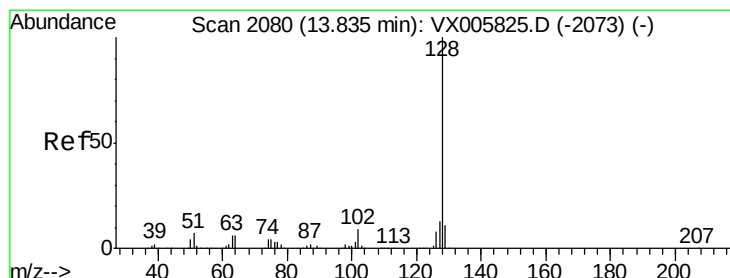
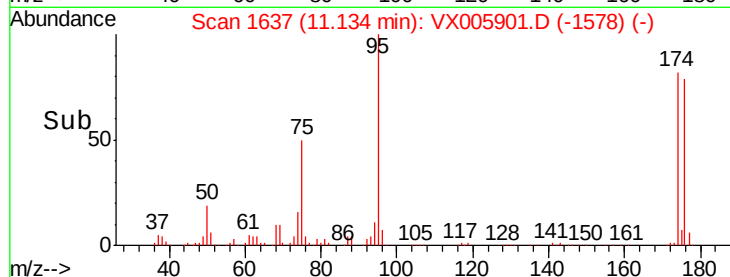
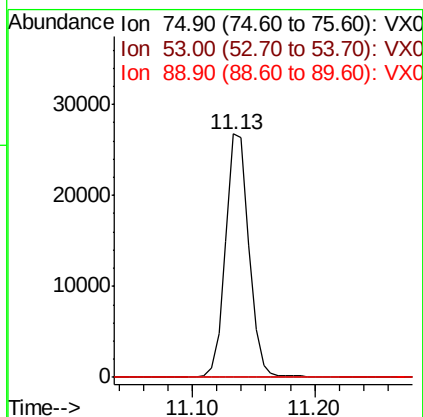
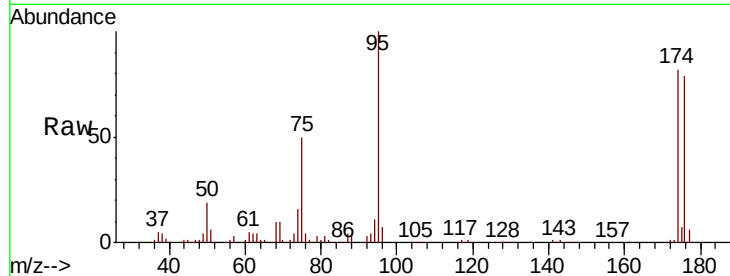




#81
trans-1,4-Dichloro-2-butene
Concen: 70.382 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX005901.D
Acq: 12 Nov 2018 15:34

Instrument :
MSVOA_X
ClientSampleId :
S36-EB-2018-2

Tot Ion: 75 Resp: 35248
Ion Ratio Lower Upper
75 100
53 0.1 80.2 120.2#
89 0.0 39.8 59.8#



#95
Naphthalene
Concen: 1.310 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005901.D
Acq: 12 Nov 2018 15:34

Tgt Ion:128 Resp: 767
Ion Ratio Lower Upper
128 100
127 11.5 10.4 15.6
129 8.6 8.7 13.1#

