

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\
 Data File : VX004839.D
 Acq On : 29 Sep 2018 00:06
 Operator : JC/MD
 Sample : J5134-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20180924

Quant Time: Sep 29 06:36:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	234491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	368041	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200274	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	182362	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	
35) Dibromofluoromethane	5.50	113	153030	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	8.72	98	535822	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.14	95	191940	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	

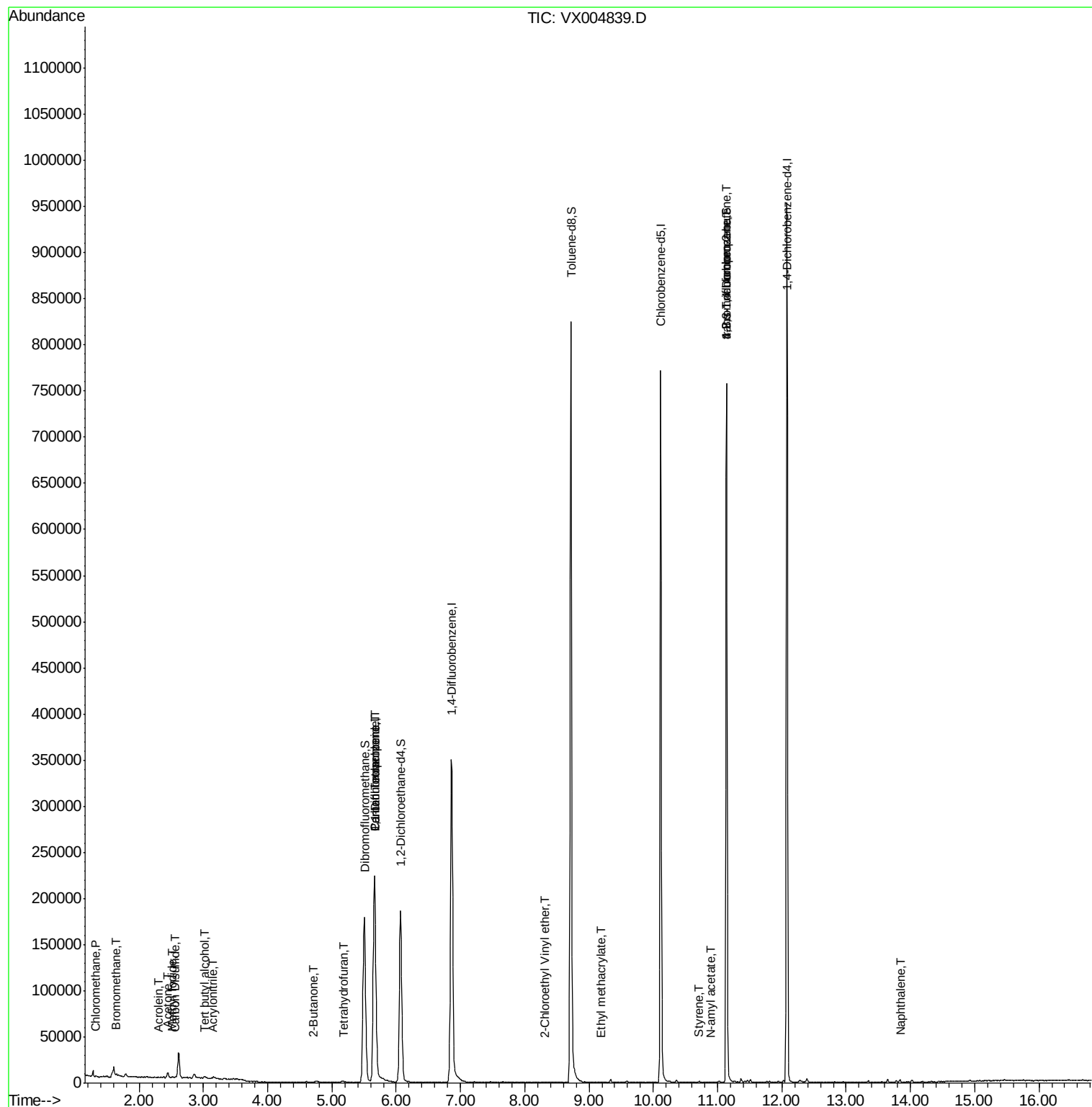
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	873	0.225	ug/l #	86
5) Bromomethane	1.65	94	617	0.286	ug/l	98
6) Chloroethane	1.65	64	322	Below Cal		98
10) Methyl Iodide	2.52	142	1291	0.376	ug/l #	93
11) Tert butyl alcohol	3.02	59	1601	1.709	ug/l #	86
13) Acrolein	2.29	56	188	0.282	ug/l #	1
15) Acrylonitrile	3.15	53	900	0.437	ug/l	94
16) Acetone	2.45	43	6193	3.167	ug/l	96
17) Carbon Disulfide	2.57	76	2161	0.283	ug/l #	92
20) Methylene Chloride	2.85	84	1691	Below Cal	#	86
25) 2-Butanone	4.71	43	709	0.246	ug/l	94
29) Tetrahydrofuran	5.18	42	1089	0.608	ug/l #	31
36) 1,1-Dichloropropene	5.67	75	16649	3.912	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21293	4.760	ug/l #	17
56) Ethyl methacrylate	9.19	69	38	2.869	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	62	14.263	ug/l #	45
70) Styrene	10.72	104	332	2.173	ug/l	97
74) N-amyl acetate	10.90	43	245	1.782	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	95861	21.355	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	660	Below Cal		86
81) trans-1,4-Dichloro-2-buten	11.14	75	95861	57.916	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	672	Below Cal		100
95) Naphthalene	13.83	128	1548	0.811	ug/l	98

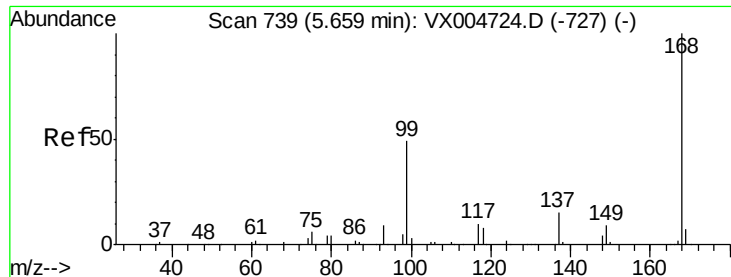
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX004839.D

Acq: 29 Sep 2018 00:06

Instrument :

MSVOA_X

ClientSampleId :

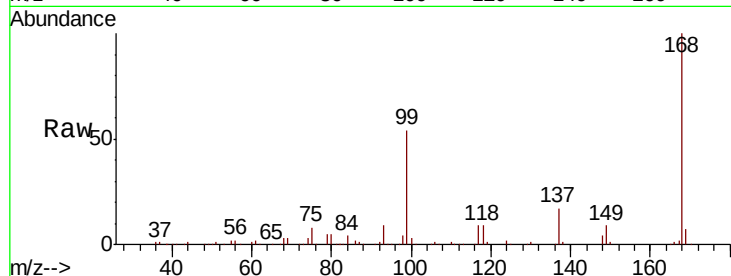
TB01-20180924

Tot Ion:168 Resp: 234491

Ion Ratio Lower Upper

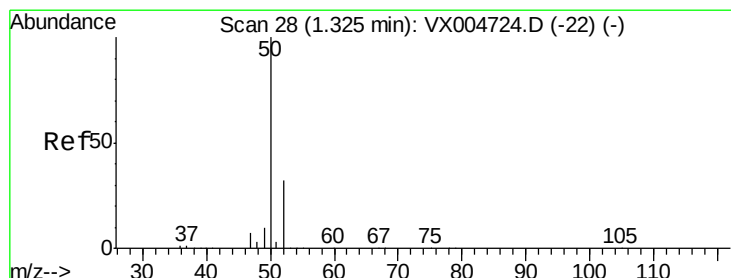
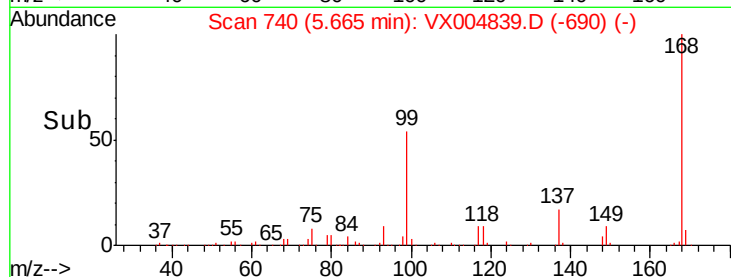
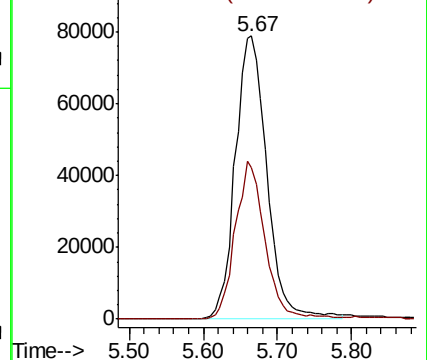
168 100

99 53.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004839.D

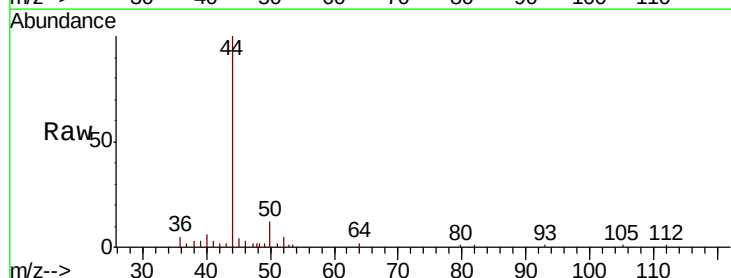
Acq: 29 Sep 2018 00:06

Tgt Ion: 50 Resp: 873

Ion Ratio Lower Upper

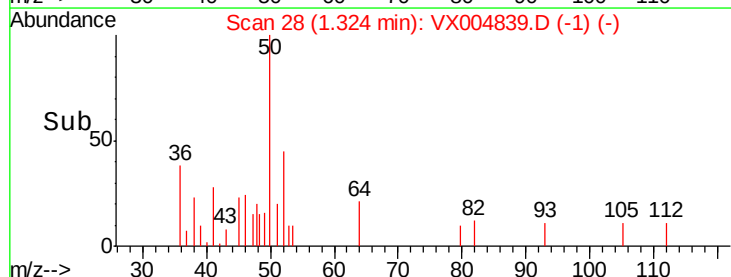
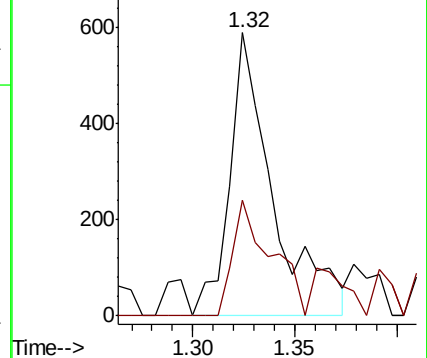
50 100

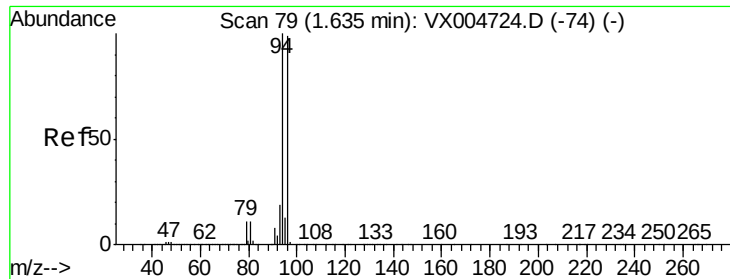
52 40.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.286 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004839.D

Acq: 29 Sep 2018 00:06

Instrument :

MSVOA_X

ClientSampleId :

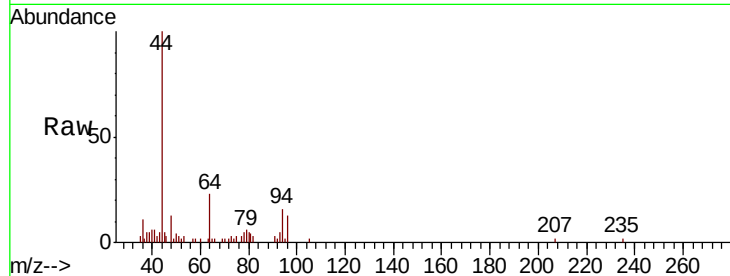
TB01-20180924

Tot Ion: 94 Resp: 617

Ion Ratio Lower Upper

94 100

96 90.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

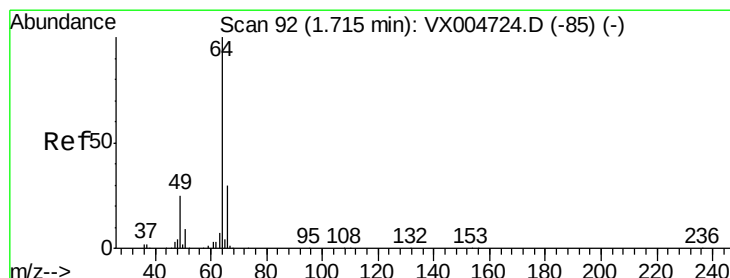
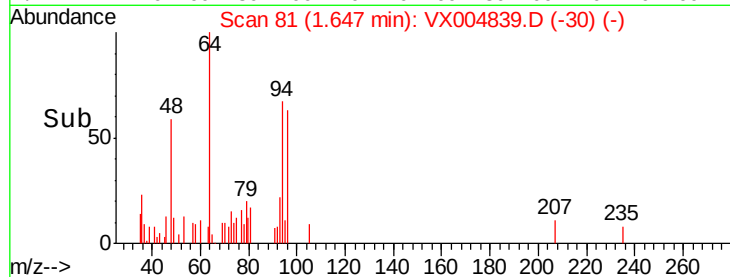
300

200

100

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX004839.D

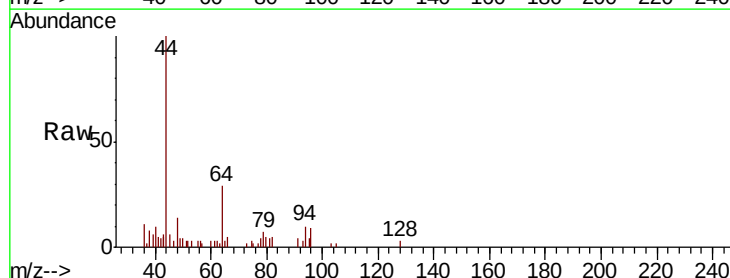
Acq: 29 Sep 2018 00:06

Tgt Ion: 64 Resp: 322

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.65

800

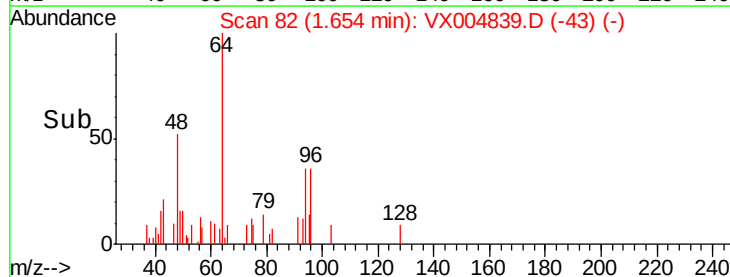
600

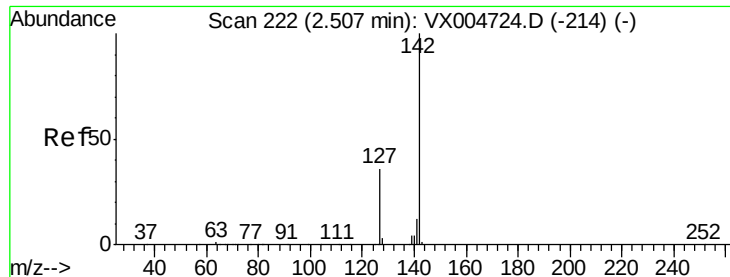
400

200

0

Time-->

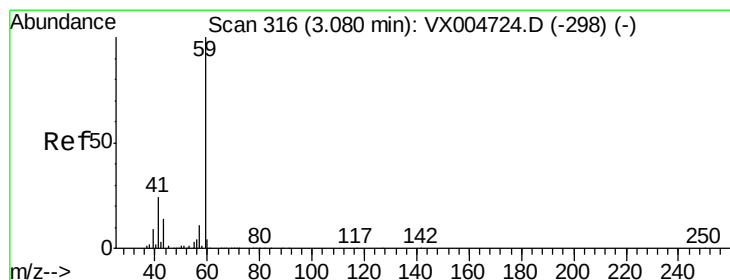
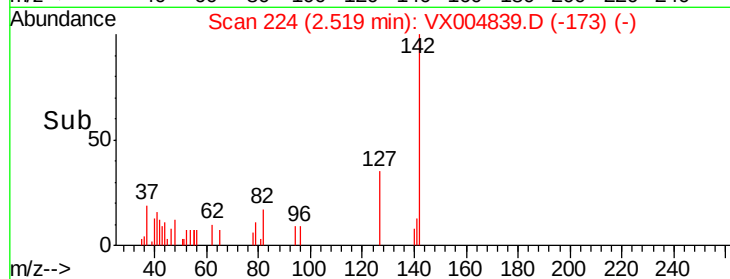
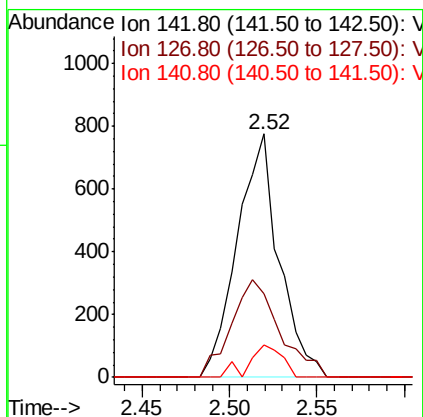
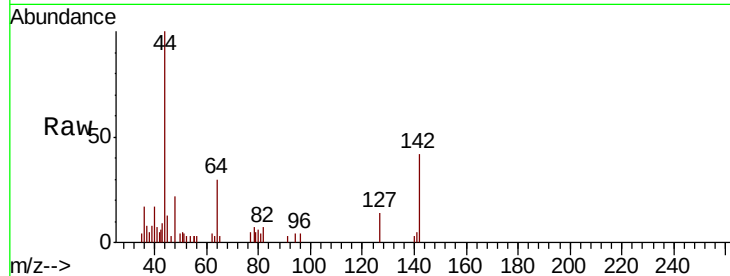




#10
Methvl Iodide
Concen: 0.376 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004839.D
Acq: 29 Sep 2018 00:06

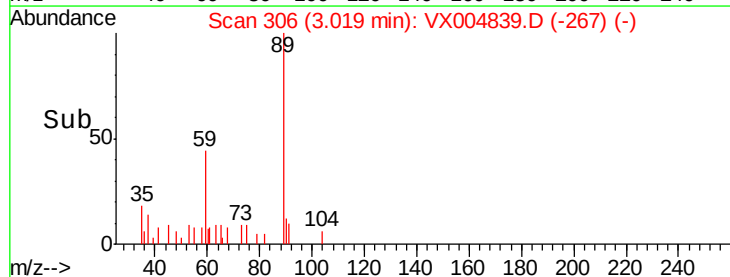
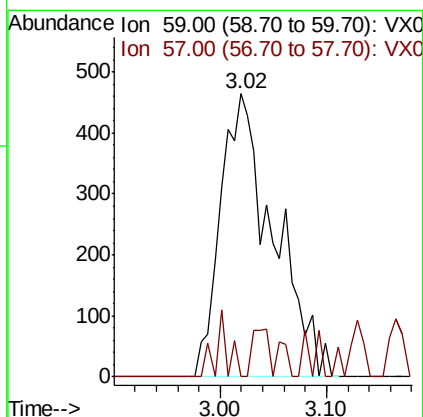
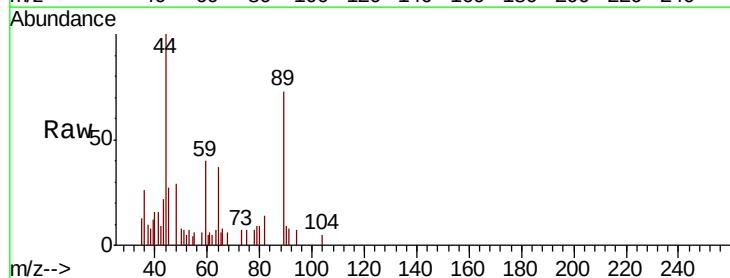
Instrument :
MSVOA_X
ClientSampleId :
TB01-20180924

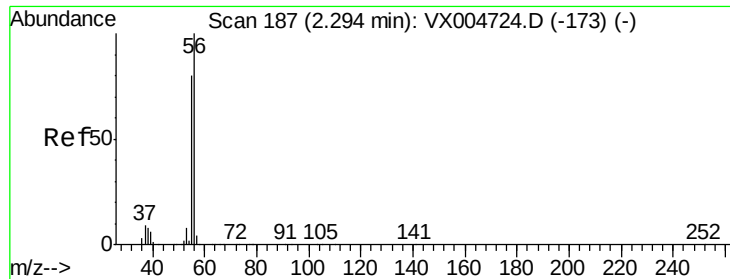
Tot Ion:142 Resp: 1291
Ion Ratio Lower Upper
142 100
127 46.5 33.8 50.6
141 10.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.709 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004839.D
Acq: 29 Sep 2018 00:06

Tgt Ion: 59 Resp: 1601
Ion Ratio Lower Upper
59 100
57 5.1 8.2 12.4#

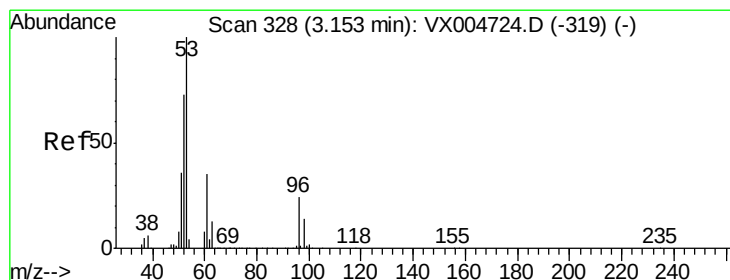
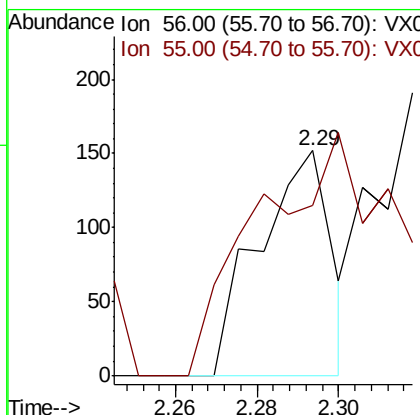
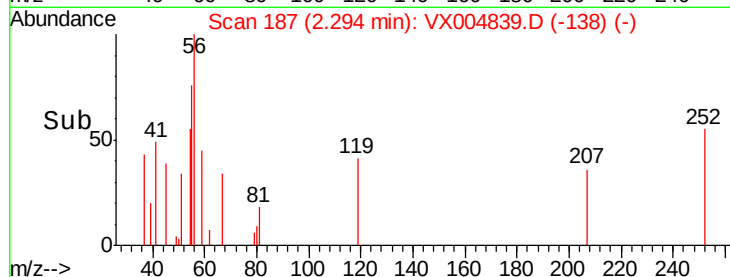
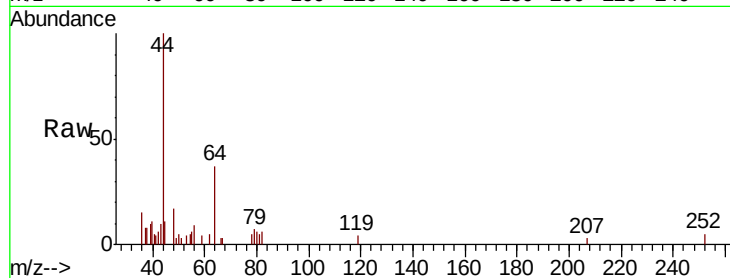




#13
Acrolein
Concen: 0.282 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004839.D
Acq: 29 Sep 2018 00:06

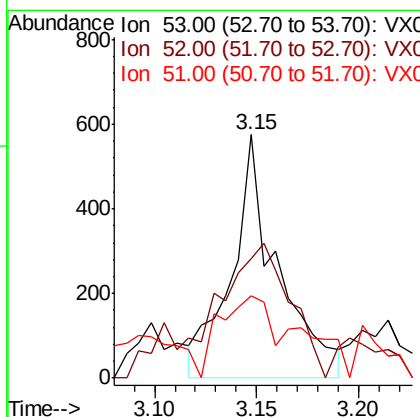
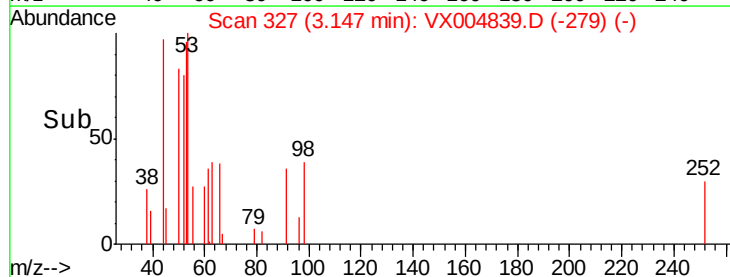
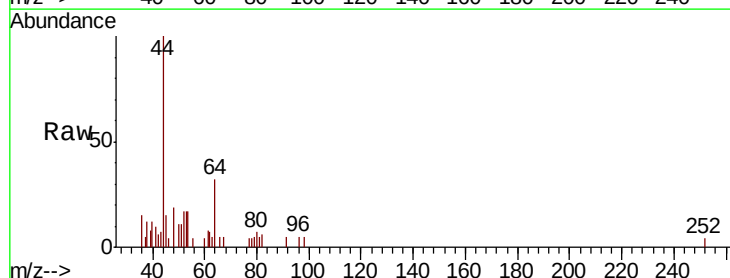
Instrument :
MSVOA_X
ClientSampleId :
TB01-20180924

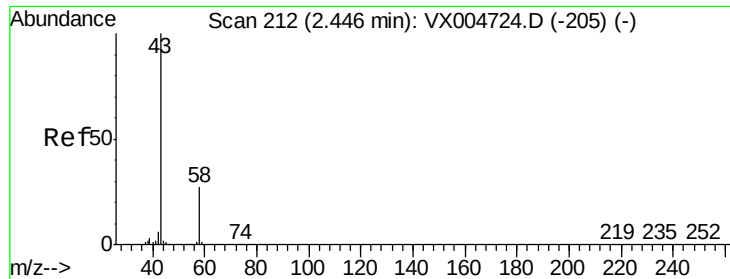
Tot Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 216.0 54.7 82.1#



#15
Acrylonitrile
Concen: 0.437 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX004839.D
Acq: 29 Sep 2018 00:06

Tgt Ion: 53 Resp: 900
Ion Ratio Lower Upper
53 100
52 85.2 65.2 97.8
51 41.6 28.2 42.2





#16

Acetone

Concen: 3.167 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004839.D

Acq: 29 Sep 2018 00:06

Instrument :

MSVOA_X

ClientSampleId :

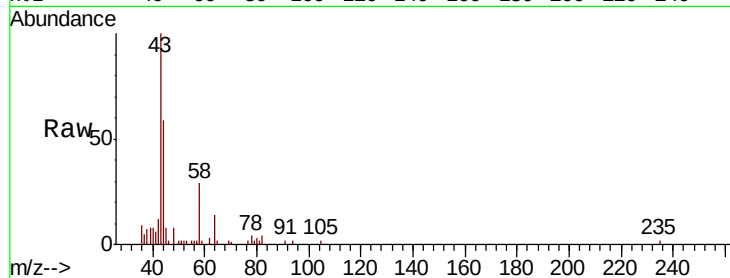
TB01-20180924

Tot Ion: 43 Resp: 6193

Ion Ratio Lower Upper

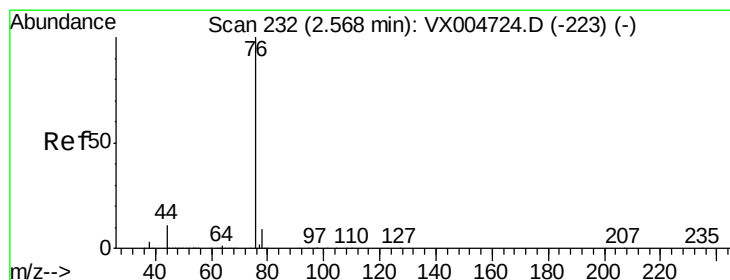
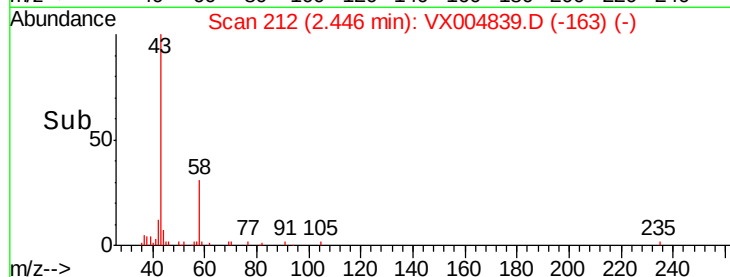
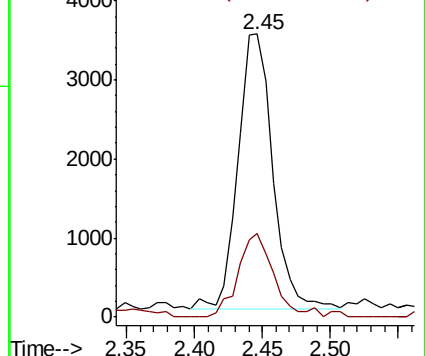
43 100

58 30.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.283 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004839.D

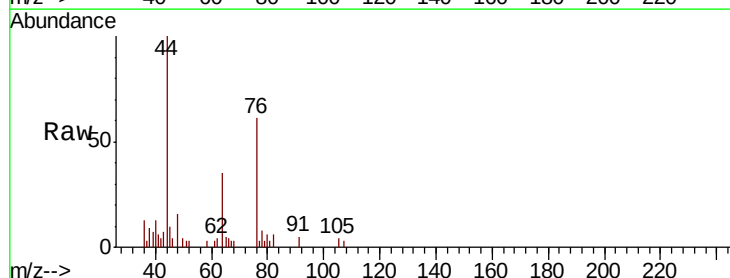
Acq: 29 Sep 2018 00:06

Tgt Ion: 76 Resp: 2161

Ion Ratio Lower Upper

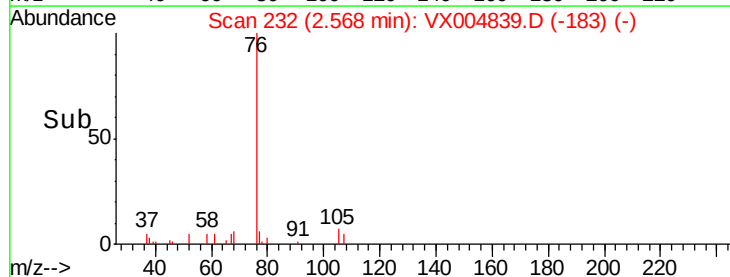
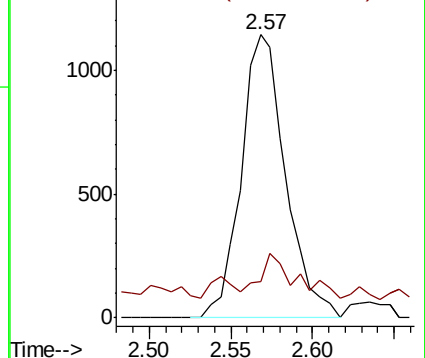
76 100

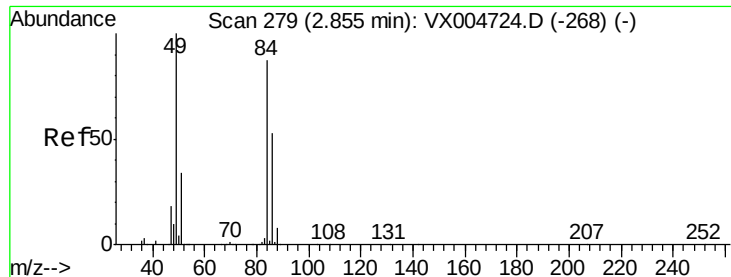
78 5.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

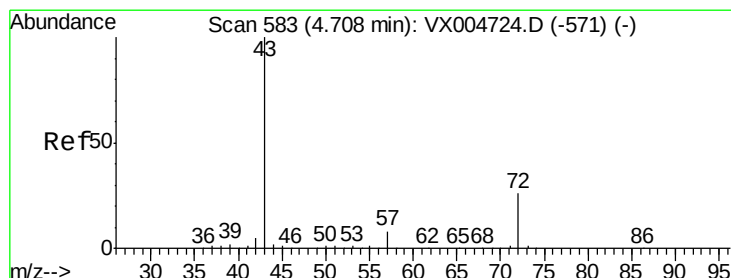
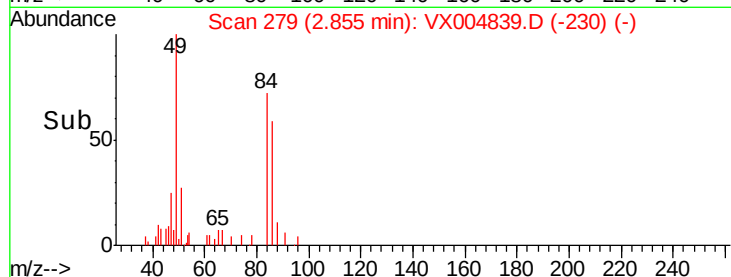
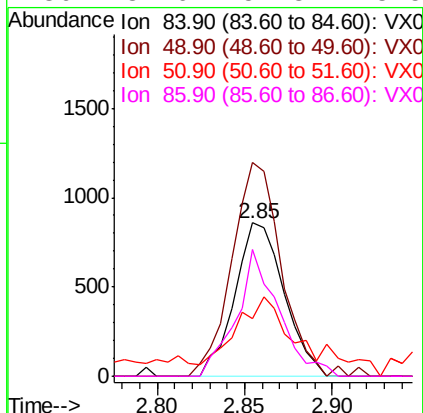
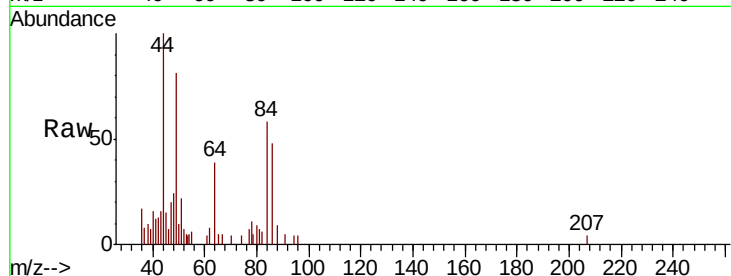




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004839.D
Acq: 29 Sep 2018 00:06

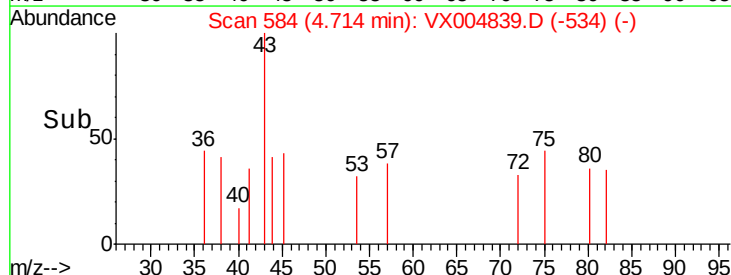
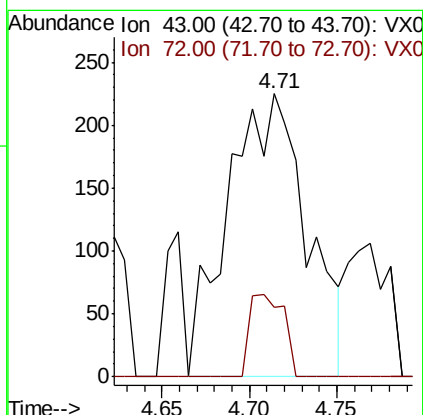
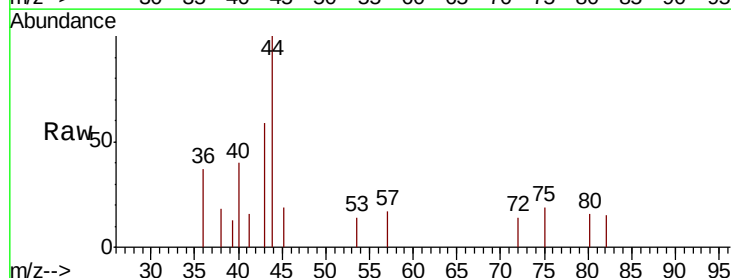
Instrument :
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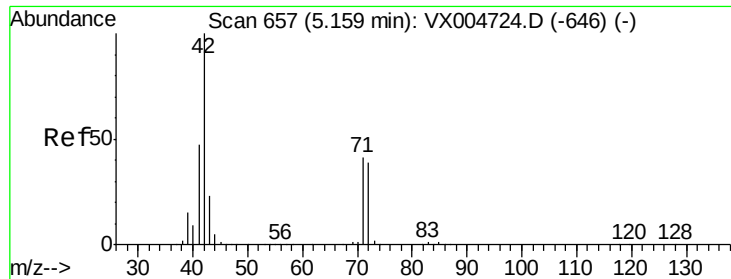
Tot Ion: 84 Resp: 1691
Ion Ratio Lower Upper
84 100
49 139.6 101.2 151.8
51 29.6 29.5 44.3
86 82.6 52.3 78.5#



#25
2-Butanone
Concen: 0.246 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX004839.D
Acq: 29 Sep 2018 00:06

Tgt Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
72 24.4 22.0 33.0





#29

Tetrahydrofuran

Concen: 0.608 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX004839.D

Acq: 29 Sep 2018 00:06

Instrument :

MSVOA_X

ClientSampleId :

TB01-20180924

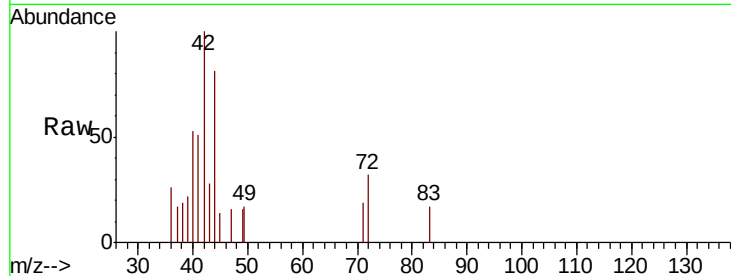
Tot Ion: 42 Resp: 1089

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

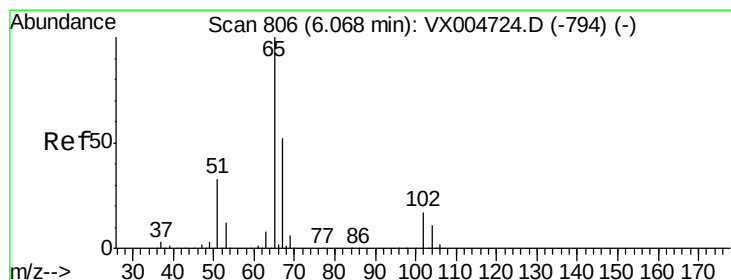
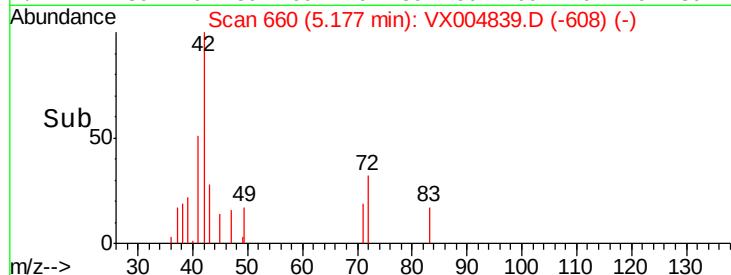
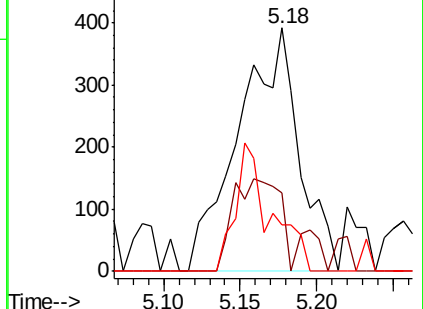
71 0.0 34.5 51.7#



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



#33

1,2-Dichloroethane-d4

Concen: 54.441 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004839.D

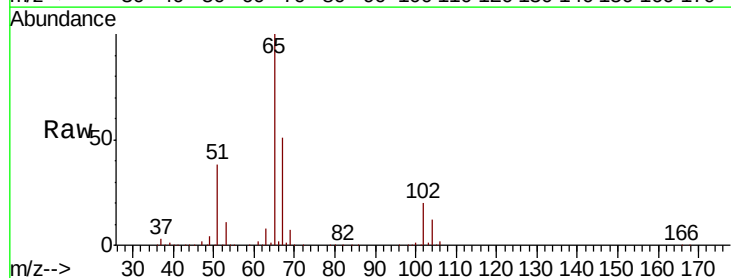
Acq: 29 Sep 2018 00:06

Tgt Ion: 65 Resp: 182362

Ion Ratio Lower Upper

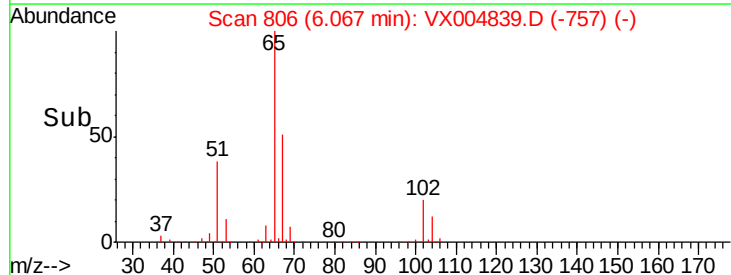
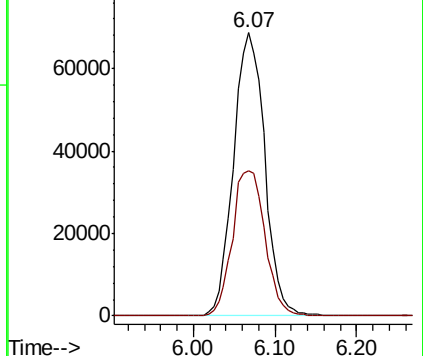
65 100

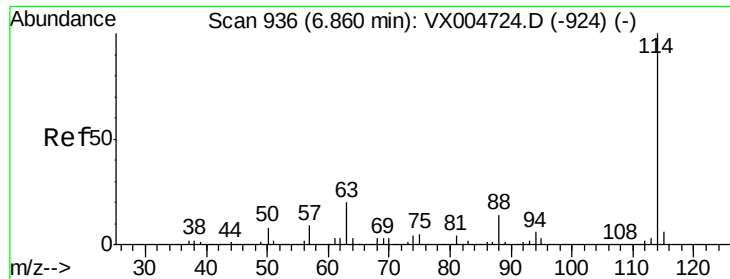
67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

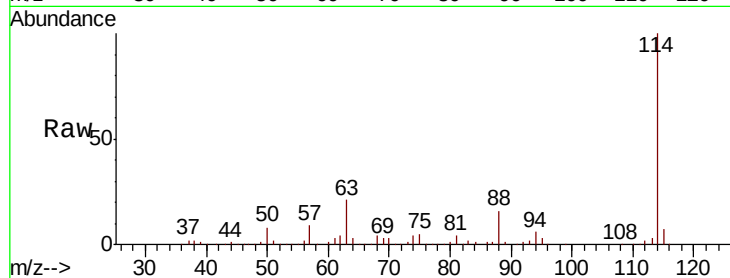




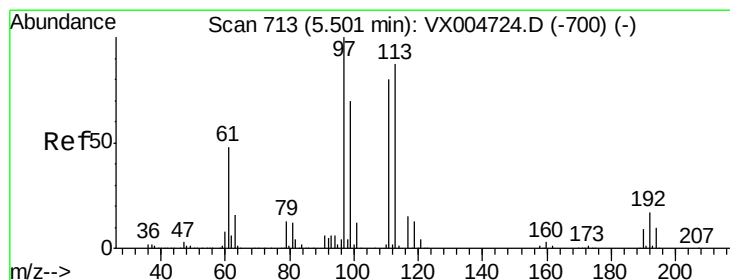
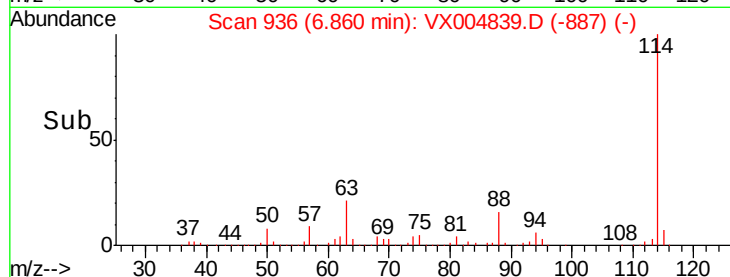
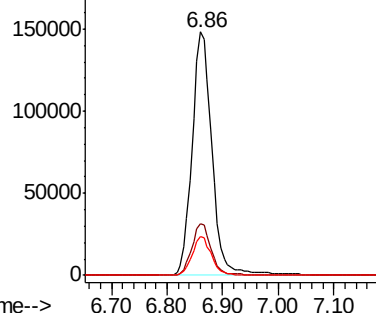
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004839.D
 Acq: 29 Sep 2018 00:06

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20180924

Tot Ion:114 Resp: 368041
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.0
 88 15.9 0.0 30.4

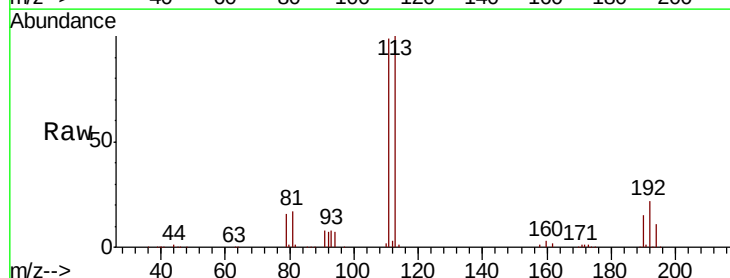


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

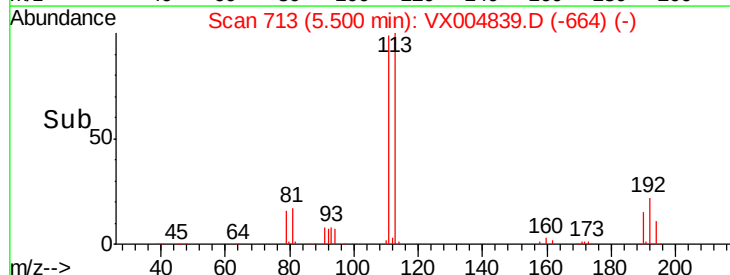
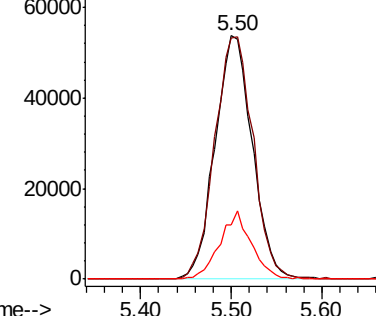


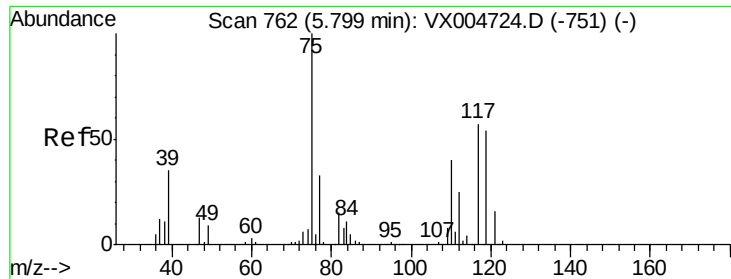
#35
 Dibromofluoromethane
 Concen: 49.061 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004839.D
 Acq: 29 Sep 2018 00:06

Tgt Ion:113 Resp: 153030
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 23.8 19.4 29.2



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

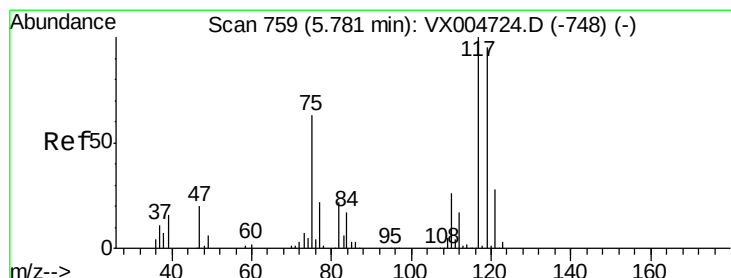
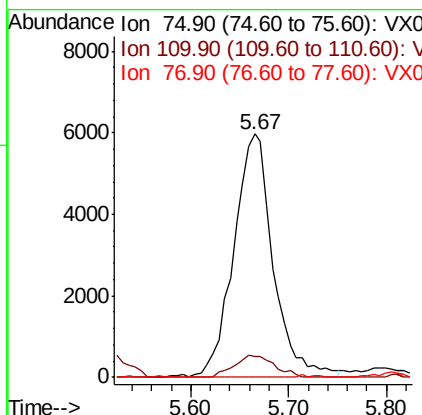
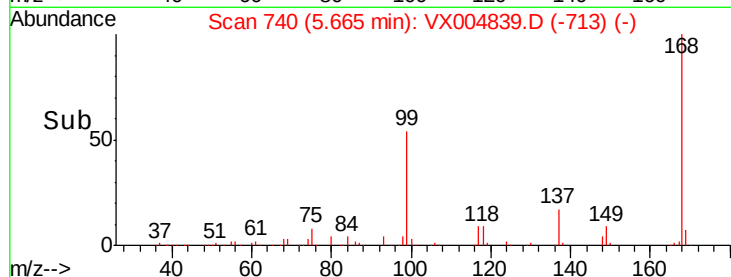
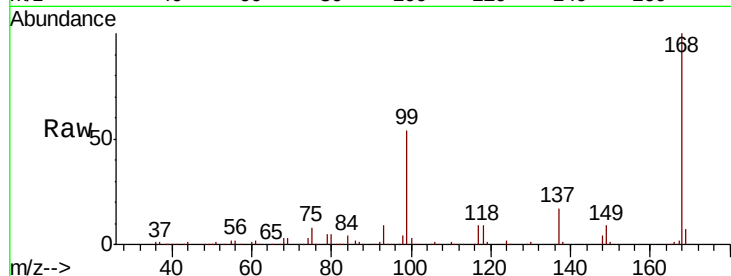




#36
 1,1-Dichloropropene
 Concen: 3.912 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004839.D
 Acq: 29 Sep 2018 00:06

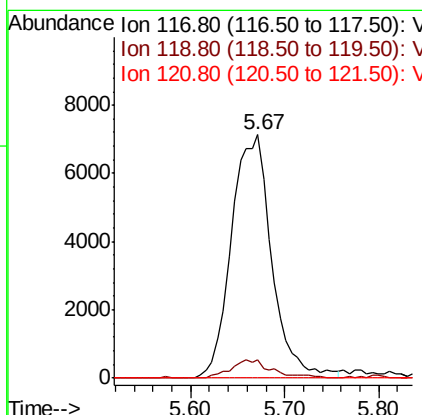
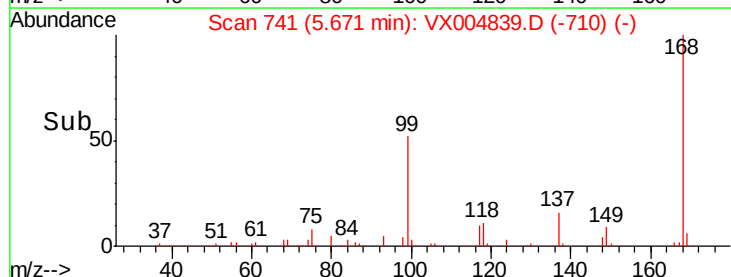
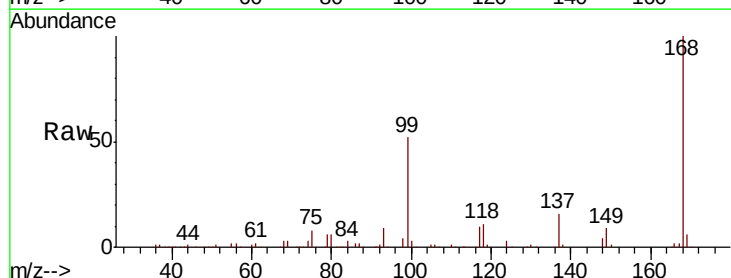
Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20180924

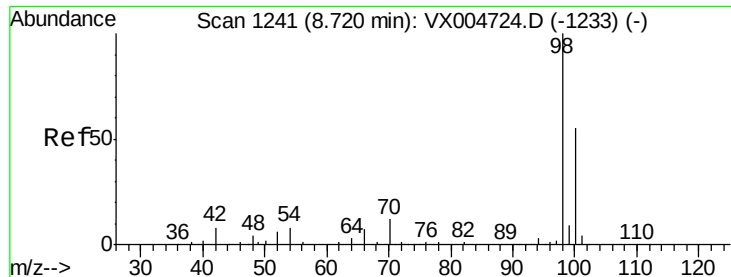
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 4.760 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX004839.D
 Acq: 29 Sep 2018 00:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.8	78.8	118.2#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 51.672 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004839.D

Acq: 29 Sep 2018 00:06

Instrument :

MSVOA_X

ClientSampleId :

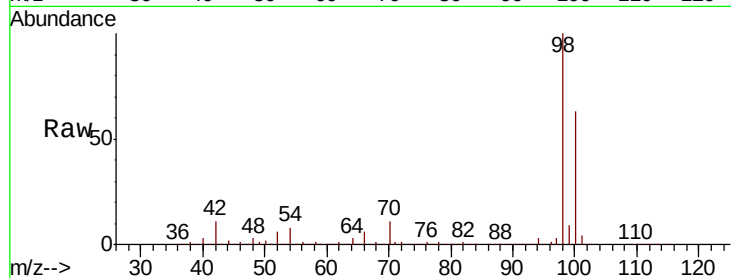
TB01-20180924

Tot Ion: 98 Resp: 535822

Ion Ratio Lower Upper

98 100

100 63.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

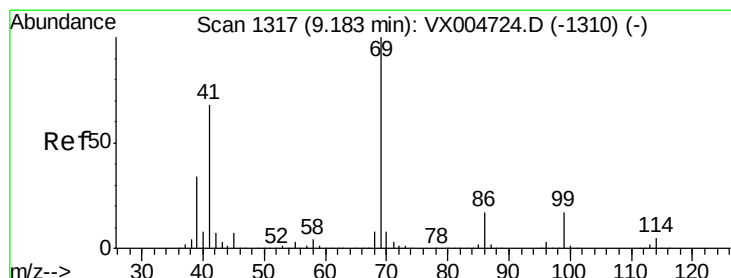
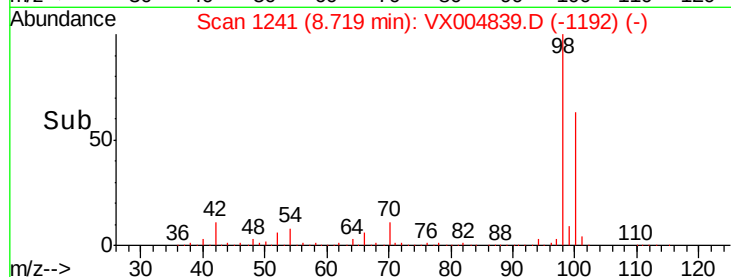
300000

200000

100000

0

Time-->



#56

Ethyl methacrylate

Concen: 2.869 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX004839.D

Acq: 29 Sep 2018 00:06

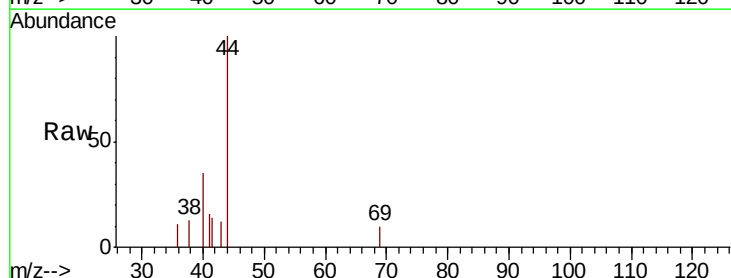
Tgt Ion: 69 Resp: 38

Ion Ratio Lower Upper

69 100

41 505.3 51.0 76.4#

39 0.0 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

200

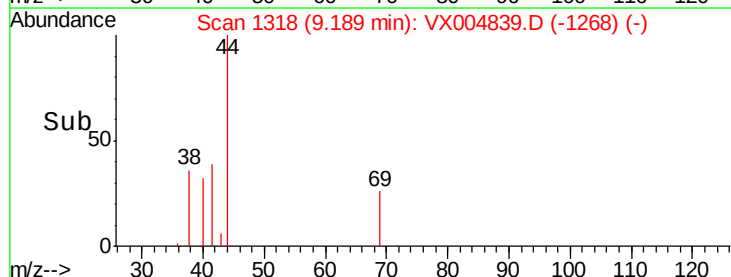
150

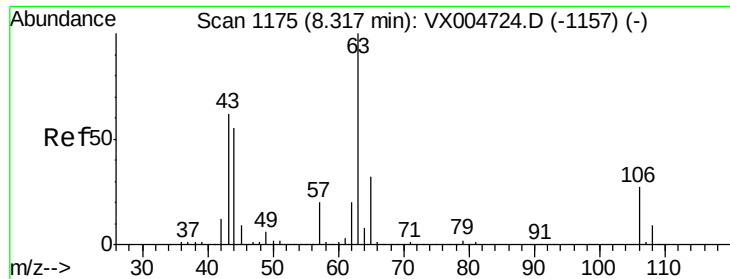
100

50

0

Time-->

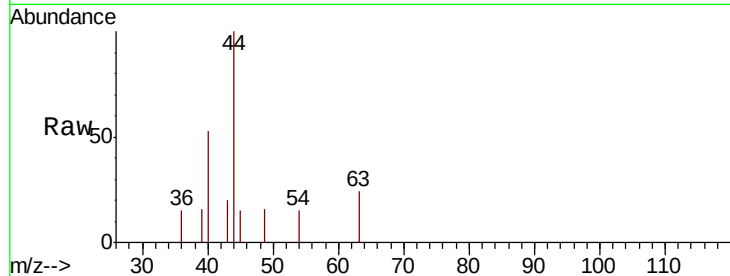




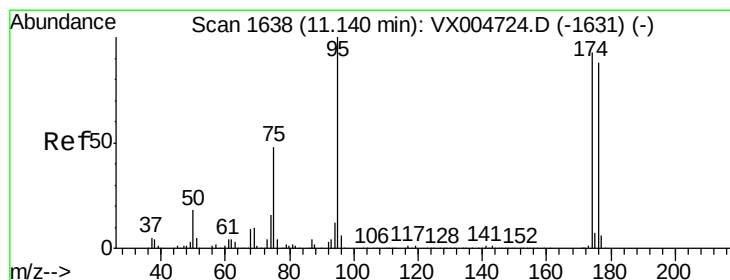
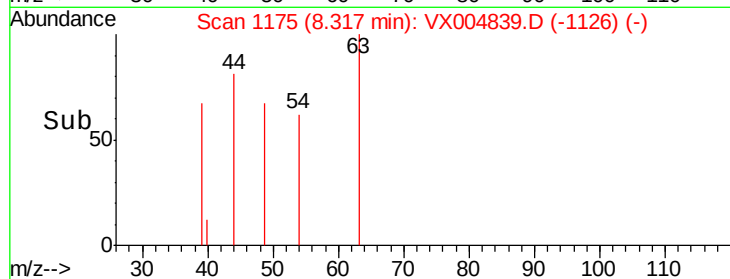
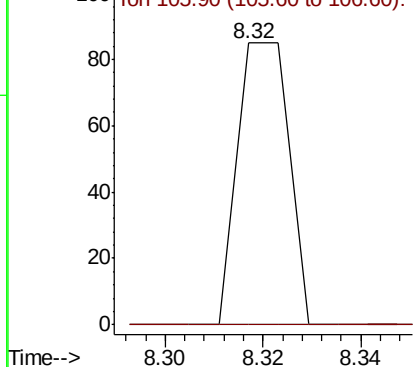
#58
 2-Chloroethyl Vinyl ether
 Concen: 14.263 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004839.D
 Acq: 29 Sep 2018 00:06

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20180924

Tot Ion: 63 Resp: 62
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#

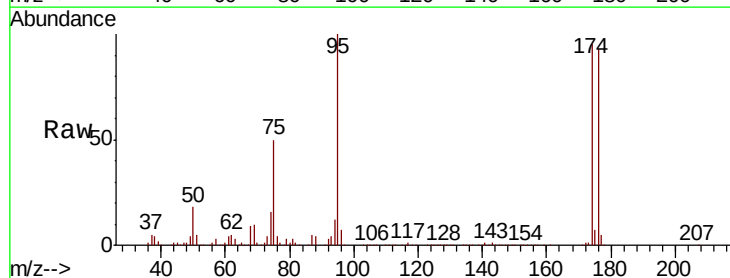


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 105.90 (105.60 to 106.60): V

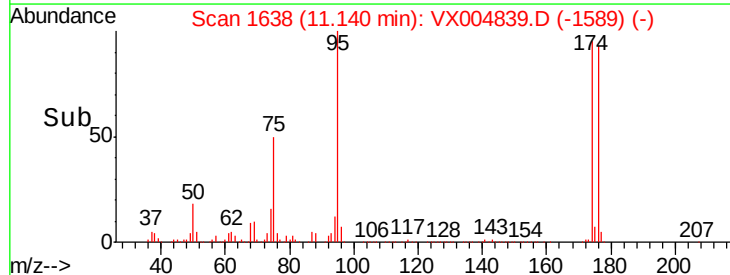
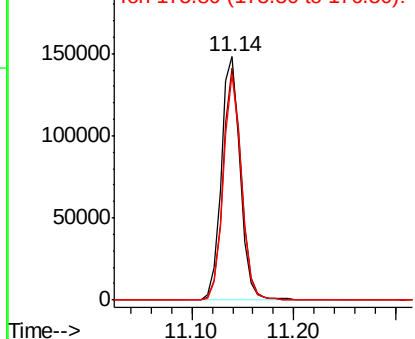


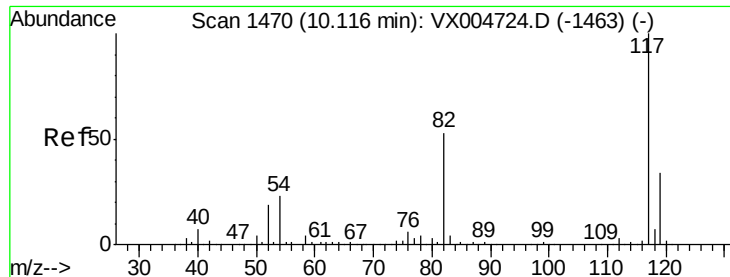
#62
 4-Bromofluorobenzene
 Concen: 51.379 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004839.D
 Acq: 29 Sep 2018 00:06

Tgt Ion: 95 Resp: 191940
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 185.2
 176 88.5 0.0 178.6



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





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004839.D

Acq: 29 Sep 2018 00:06

Instrument :

MSVOA_X

ClientSampleId :

TB01-20180924

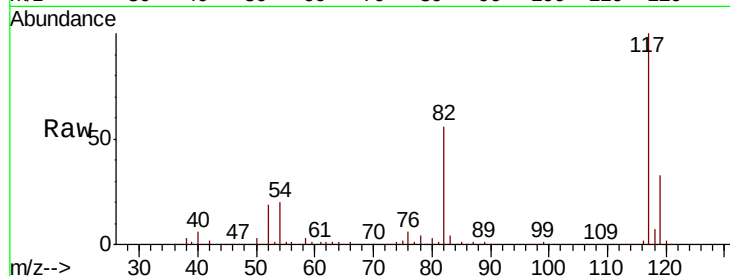
Tot Ion:117 Resp: 361496

Ion Ratio Lower Upper

117 100

82 55.6 47.8 71.6

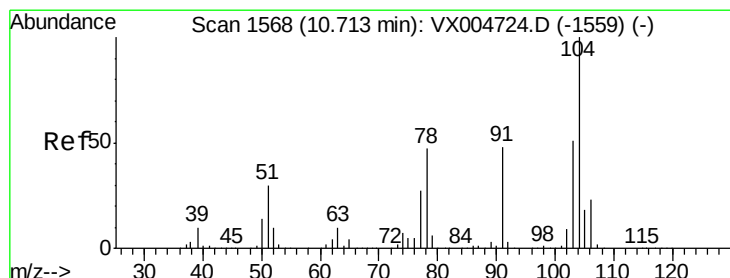
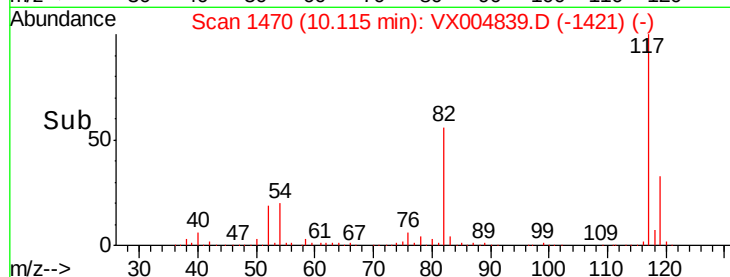
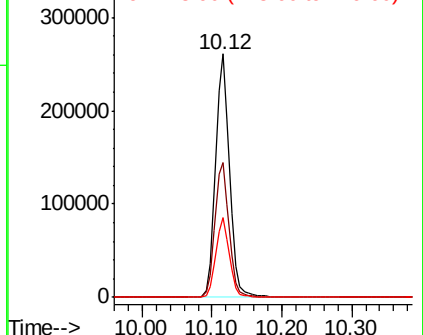
119 33.0 29.3 43.9



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



#70

Styrene

Concen: 2.173 ug/l

RT: 10.72 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VX004839.D

Acq: 29 Sep 2018 00:06

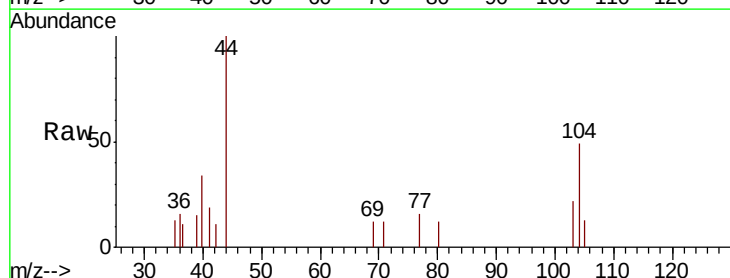
Tgt Ion:104 Resp: 332

Ion Ratio Lower Upper

104 100

78 45.2 37.4 56.0

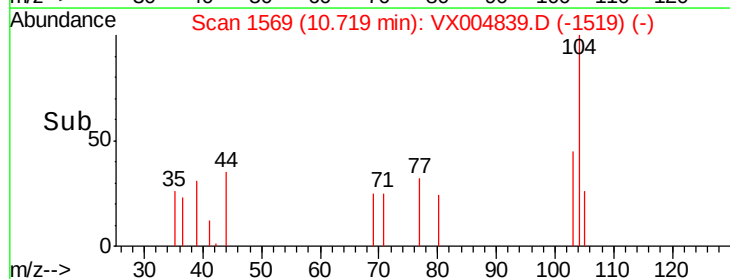
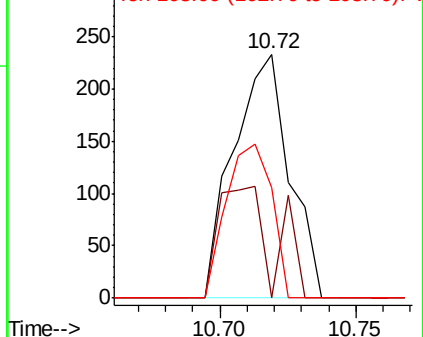
103 51.5 43.8 65.6

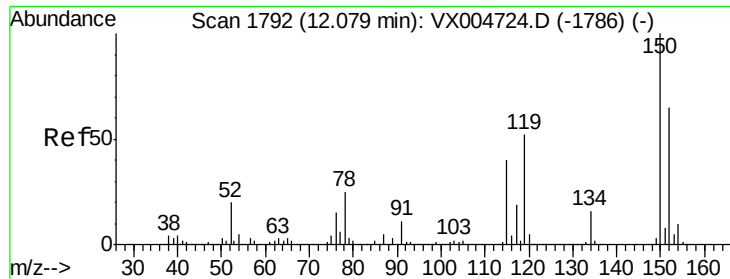


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V

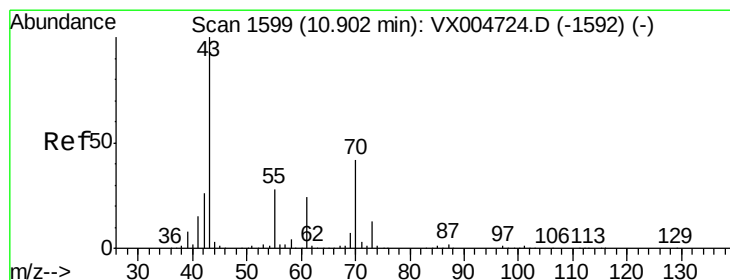
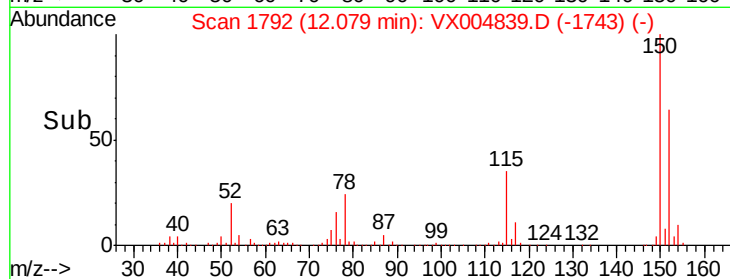
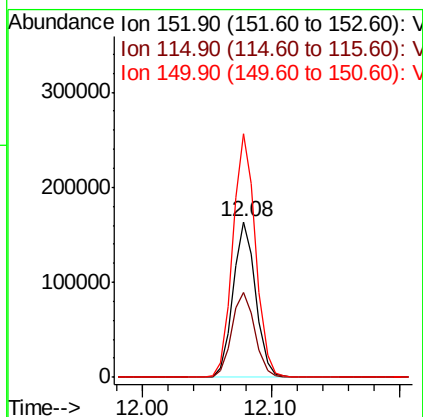
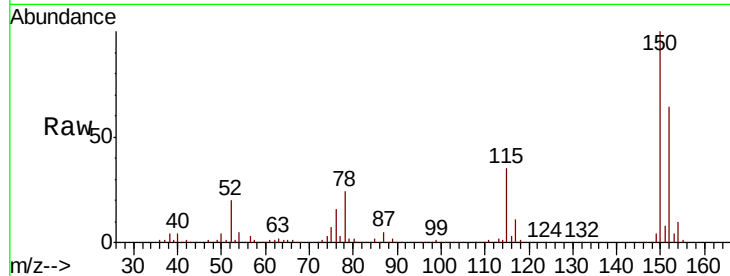




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX004839.D
 Acq: 29 Sep 2018 00:06

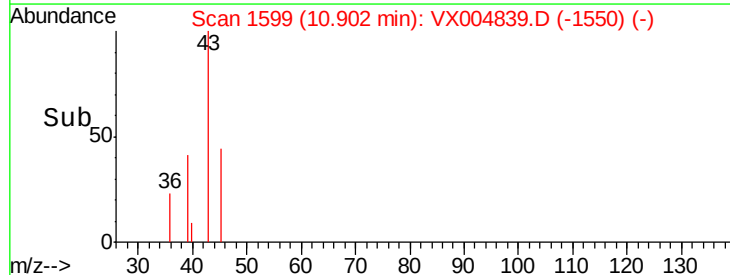
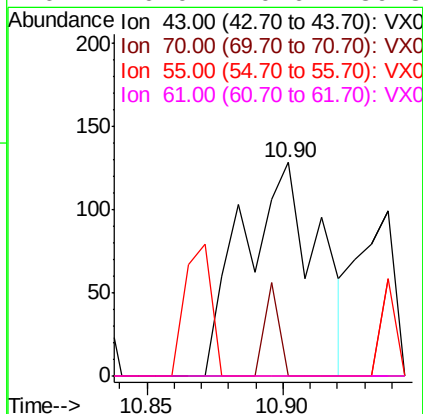
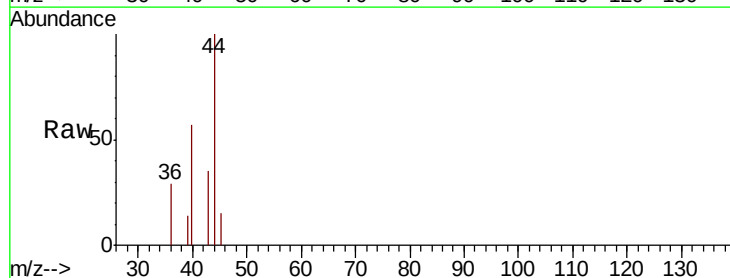
Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20180924

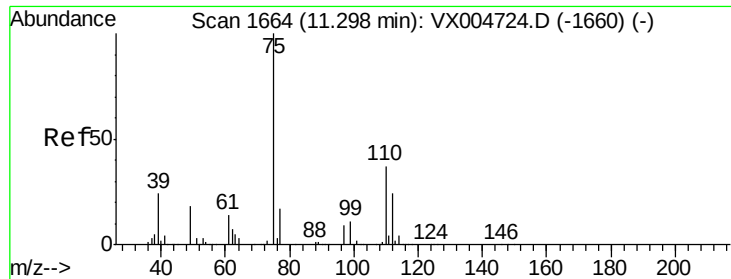
Tot Ion:152 Resp: 200274
 Ion Ratio Lower Upper
 152 100
 115 55.9 39.0 117.0
 150 157.5 0.0 351.0



#74
 N-ethyl acetate
 Concen: 1.782 ug/l
 RT: 10.90 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VX004839.D
 Acq: 29 Sep 2018 00:06

Tgt Ion: 43 Resp: 245
 Ion Ratio Lower Upper
 43 100
 70 0.0 37.4 56.0#
 55 0.0 21.8 32.8#
 61 0.0 20.6 30.8#





#76

1,2,3-Trichloropropane

Concen: 21.355 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004839.D

Acq: 29 Sep 2018 00:06

Instrument :

MSVOA_X

ClientSampleId :

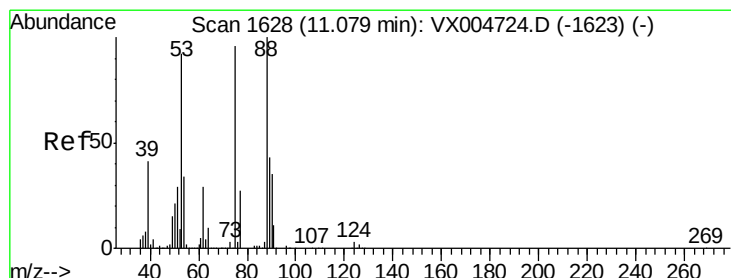
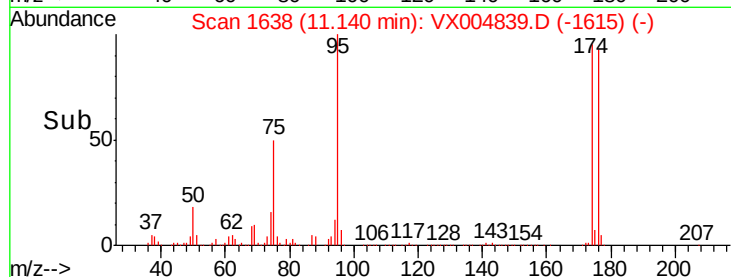
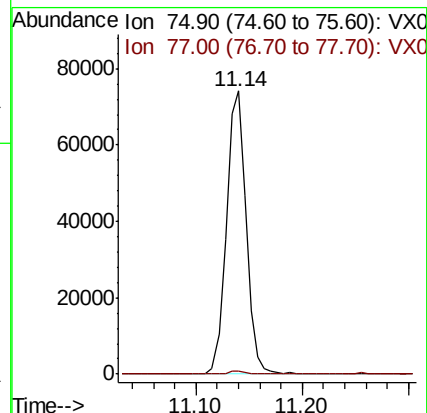
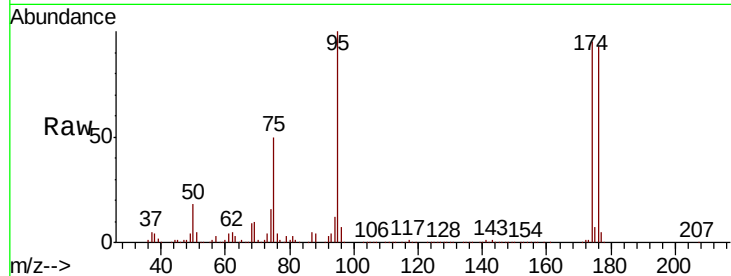
TB01-20180924

Tot Ion: 75 Resp: 95861

Ion Ratio Lower Upper

75 100

77 1.2 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.916 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004839.D

Acq: 29 Sep 2018 00:06

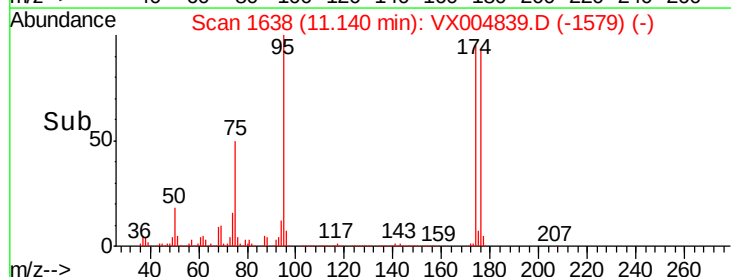
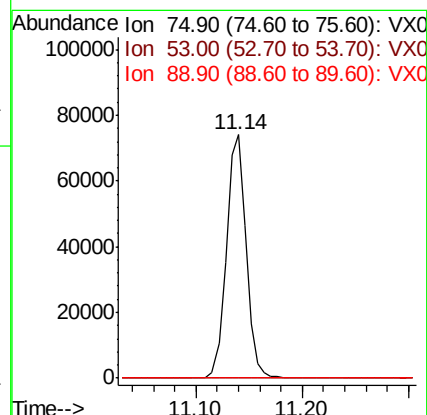
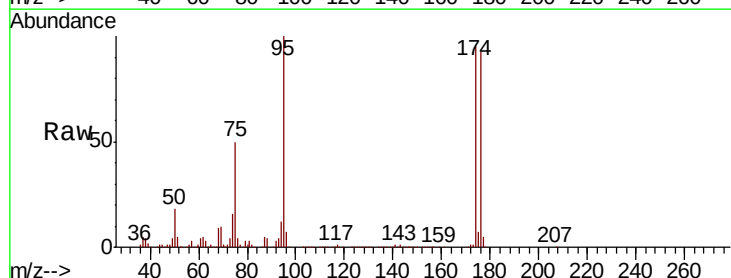
Tgt Ion: 75 Resp: 95861

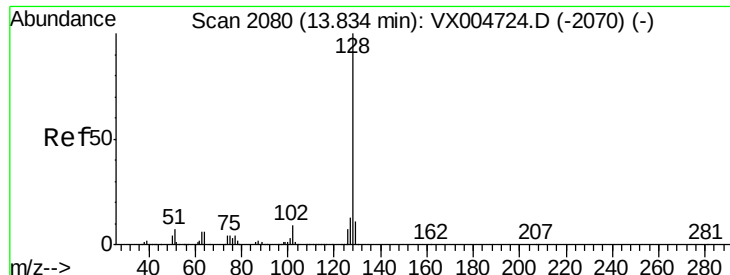
Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#

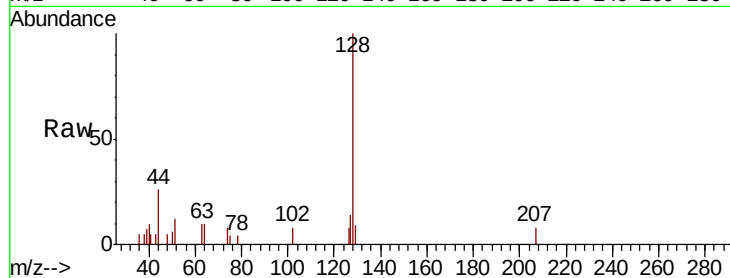




#95
Naphthalene
Concen: 0.811 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004839.D
Acq: 29 Sep 2018 00:06

Instrument :
MSVOA_X
ClientSampleId :
TB01-20180924

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.8	8.6	12.8



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

