

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005048.D
 Acq On : 05 Oct 2018 05:24
 Operator : JC/MD
 Sample : J5207-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB02-20180927

Quant Time: Oct 05 05:42:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221659	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	344793	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191563	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	165721	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
35) Dibromofluoromethane	5.50	113	149724	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	8.72	98	496509	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.14	95	181776	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	

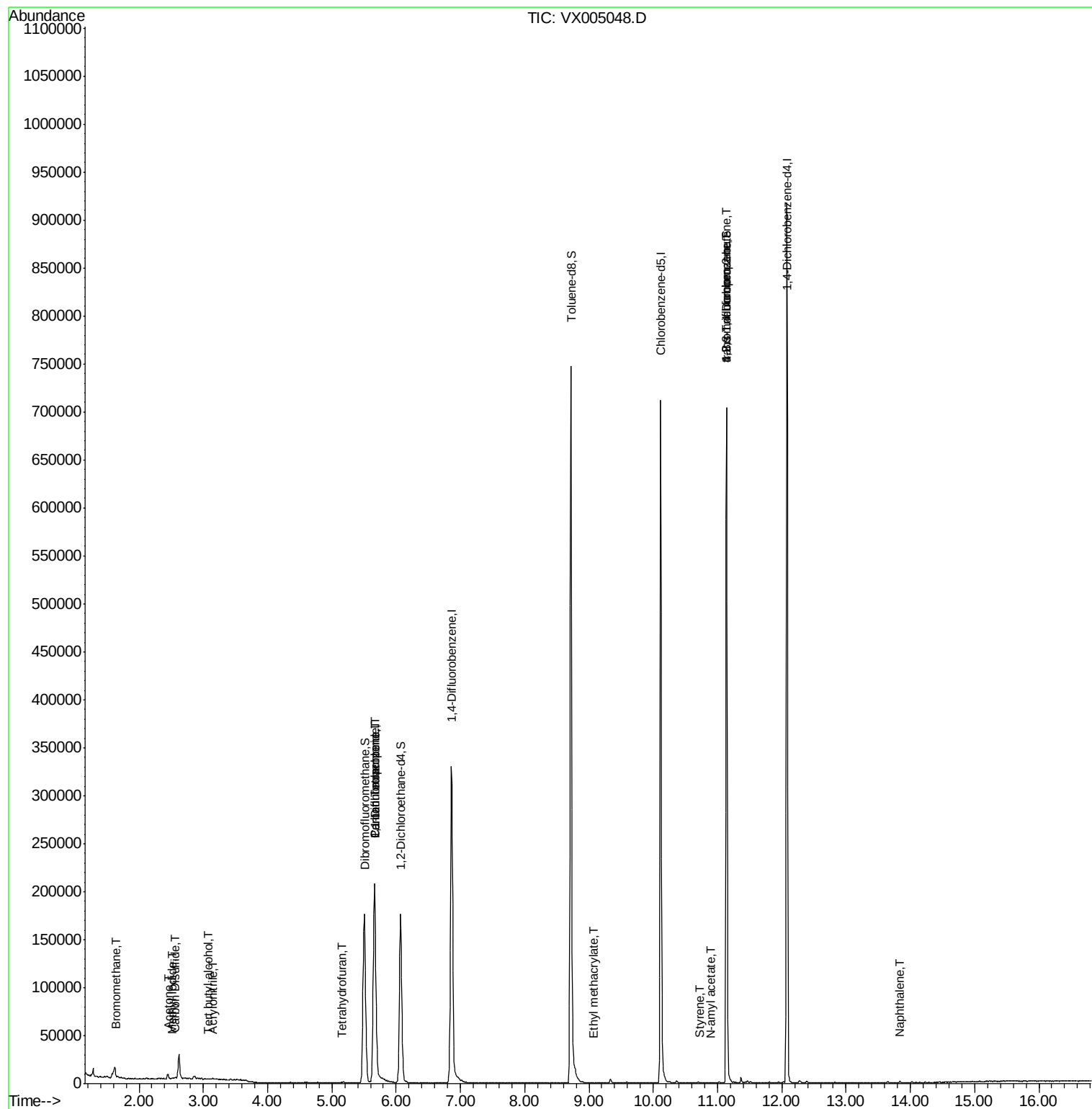
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	433	0.212	ug/l	93
6) Chloroethane	1.68	64	122	Below Cal	#	45
10) Methyl Iodide	2.51	142	717	0.221	ug/l #	87
11) Tert butyl alcohol	3.07	59	287	0.324	ug/l #	70
15) Acrylonitrile	3.15	53	449	0.230	ug/l #	43
16) Acetone	2.45	43	5623	3.042	ug/l #	81
17) Carbon Disulfide	2.57	76	1465	0.203	ug/l #	51
20) Methylene Chloride	2.85	84	1431	Below Cal		90
29) Tetrahydrofuran	5.15	42	922	0.544	ug/l #	34
36) 1,1-Dichloropropene	5.67	75	14719	3.692	ug/l #	46
38) Carbon Tetrachloride	5.67	117	19882	4.744	ug/l #	17
56) Ethyl methacrylate	9.07	69	19	2.866	ug/l #	1
70) Styrene	10.72	104	292	2.171	ug/l #	58
74) N-amyl acetate	10.88	43	74	1.759	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	89030	20.735	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	439	Below Cal		72
81) trans-1,4-Dichloro-2-buten	11.14	75	89030	56.293	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	751	Below Cal		100
95) Naphthalene	13.83	128	1054	0.785	ug/l #	93

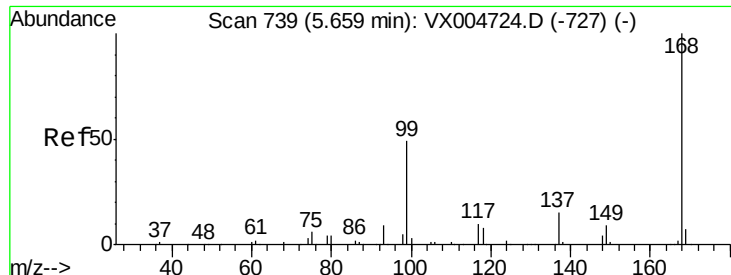
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

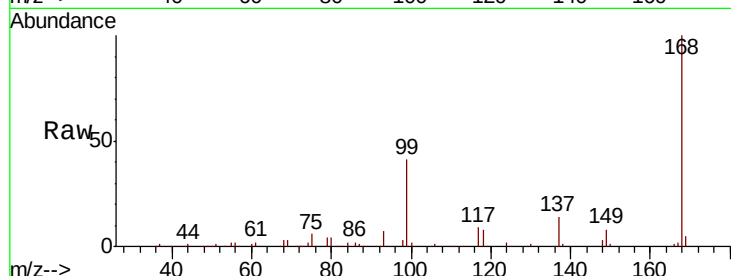
TB02-20180927

Tot Ion:168 Resp: 221659

Ion Ratio Lower Upper

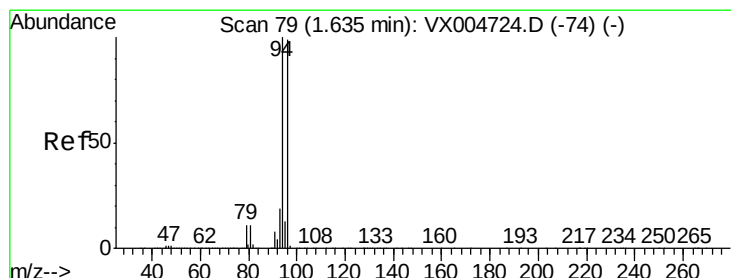
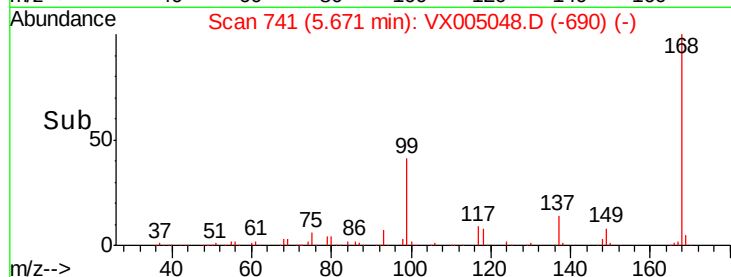
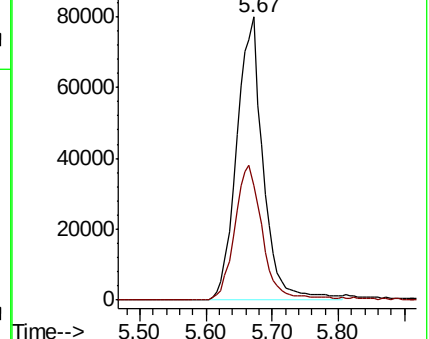
168 100

99 40.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.212 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005048.D

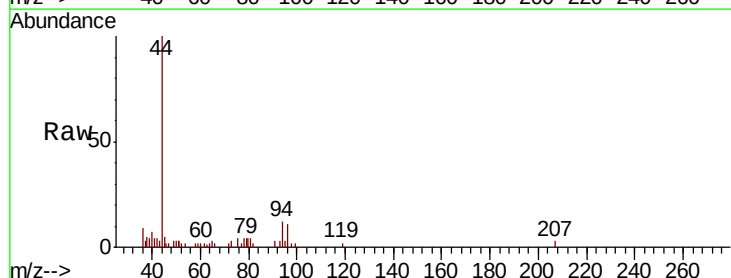
Acq: 05 Oct 2018 05:24

Tgt Ion: 94 Resp: 433

Ion Ratio Lower Upper

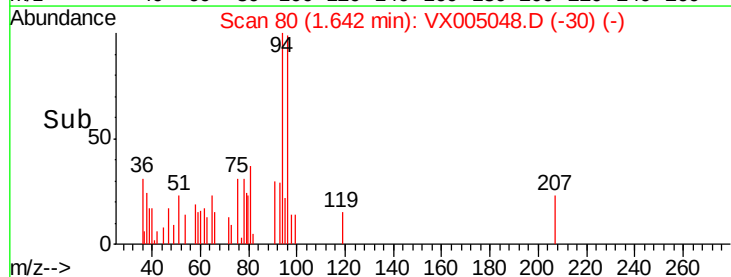
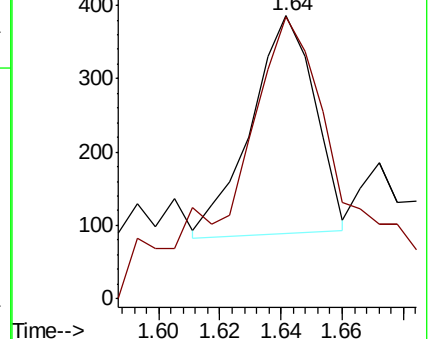
94 100

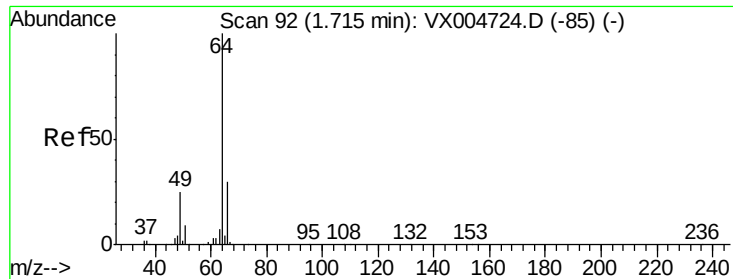
96 92.8 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

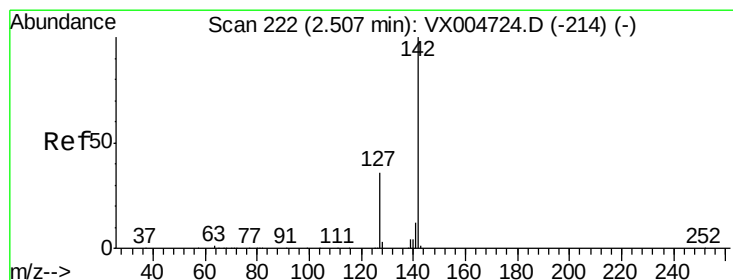
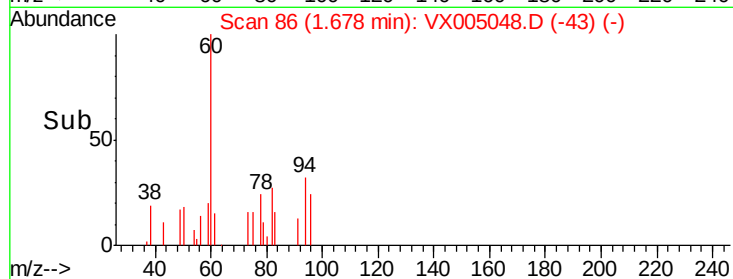
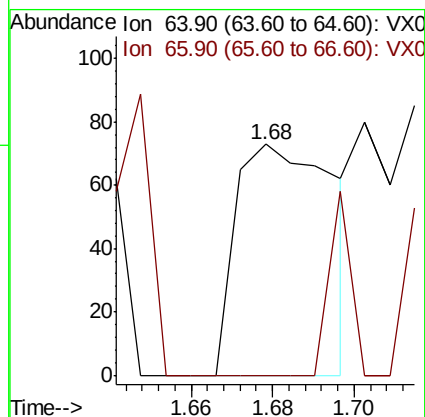
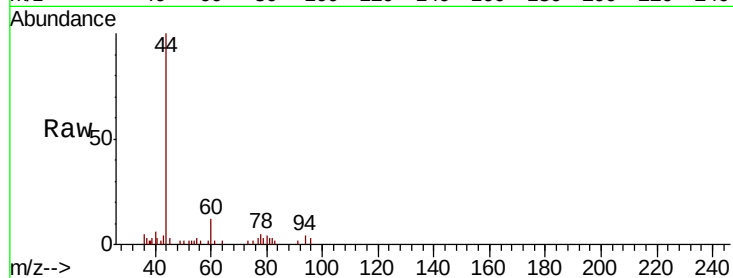
TB02-20180927

Tot Ion: 64 Resp: 122

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.6#



#10

Methyl Iodide

Concen: 0.221 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

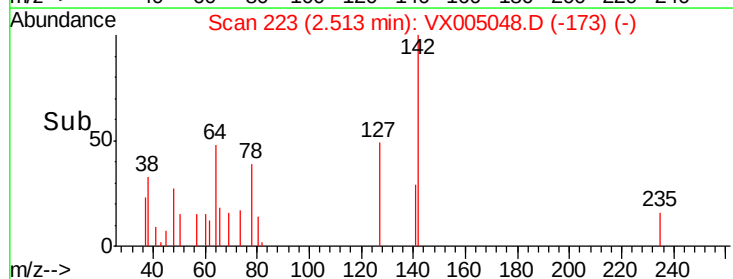
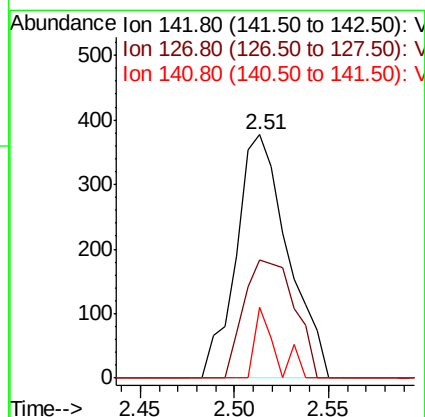
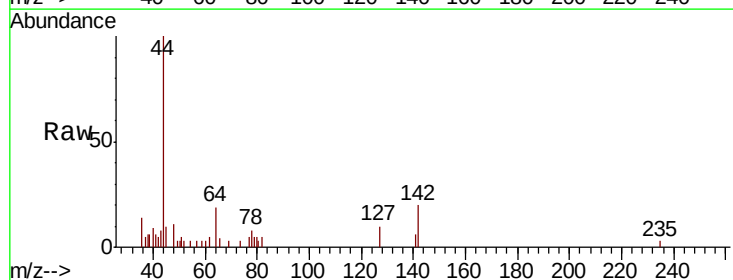
Tgt Ion: 142 Resp: 717

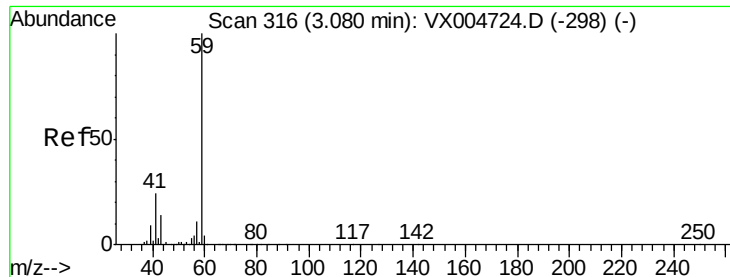
Ion Ratio Lower Upper

142 100

127 47.7 30.1 45.1#

141 11.4 10.1 15.1



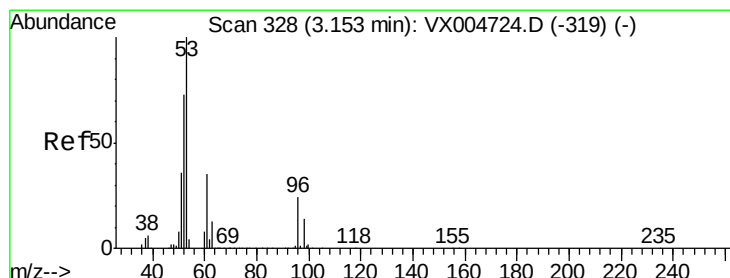
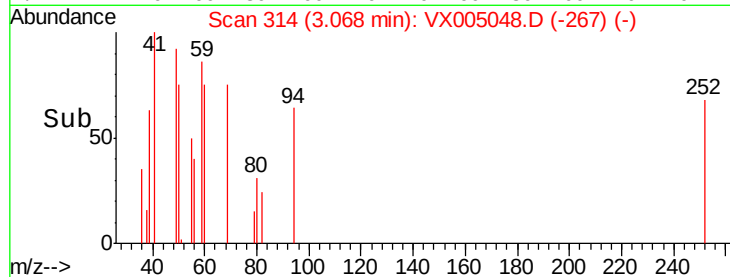
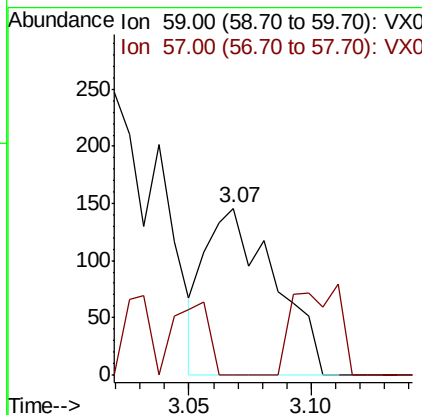
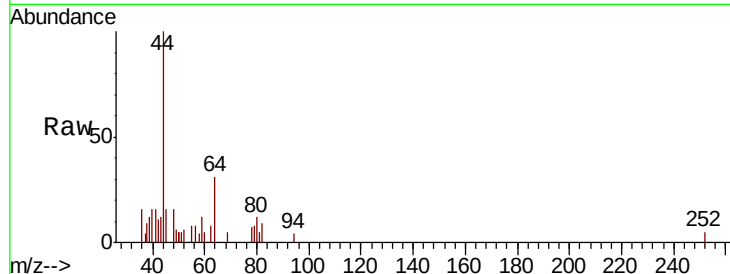


#11

Tert butyl alcohol
Concen: 0.324 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005048.D
Acq: 05 Oct 2018 05:24

Instrument :
MSVOA_X
ClientSampleId :
TB02-20180927

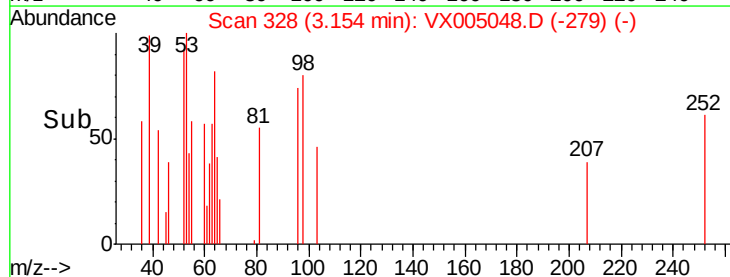
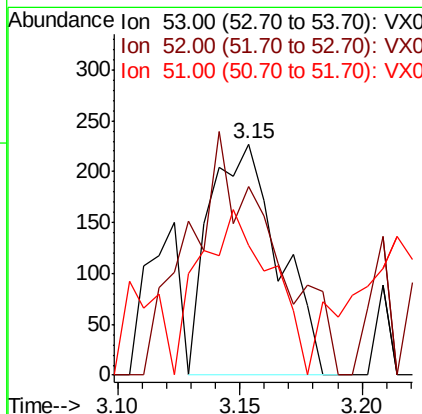
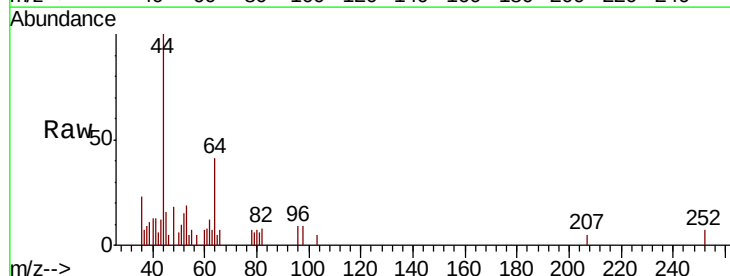
Tot Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 22.0 8.6 12.8#

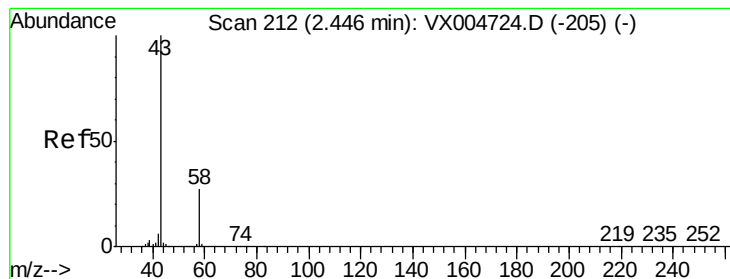


#15

Acrylonitrile
Concen: 0.230 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.00 min
Lab File: VX005048.D
Acq: 05 Oct 2018 05:24

Tgt Ion: 53 Resp: 449
Ion Ratio Lower Upper
53 100
52 125.6 63.0 94.4#
51 73.5 28.6 42.8#





#16

Acetone

Concen: 3.042 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

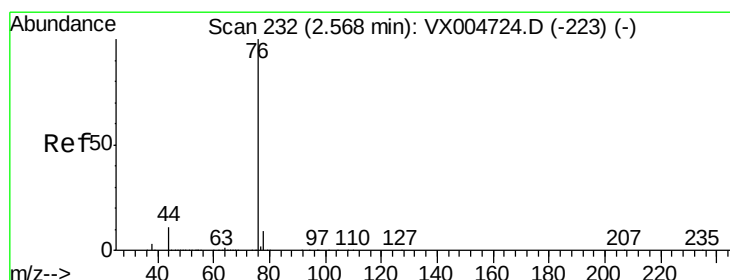
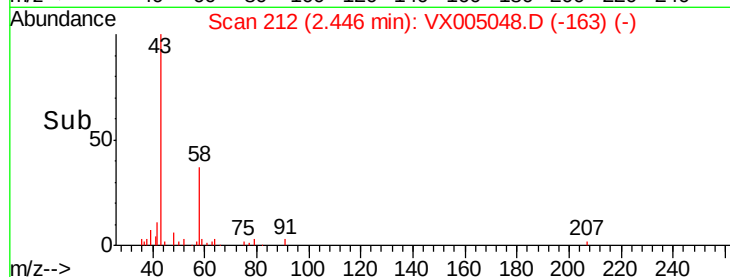
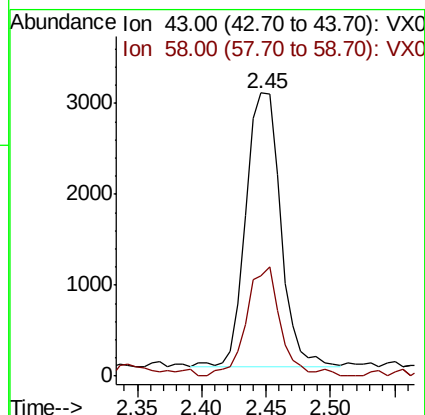
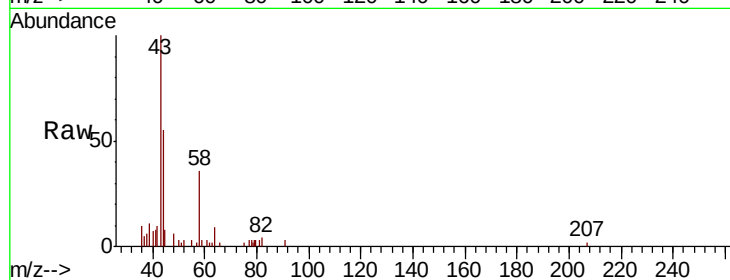
TB02-20180927

Tot Ion: 43 Resp: 5623

Ion Ratio Lower Upper

43 100

58 36.9 21.8 32.6#



#17

Carbon Disulfide

Concen: 0.203 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005048.D

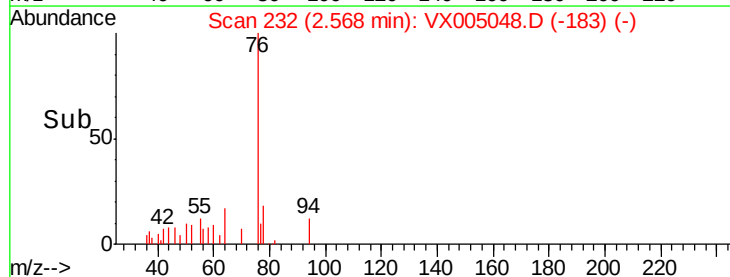
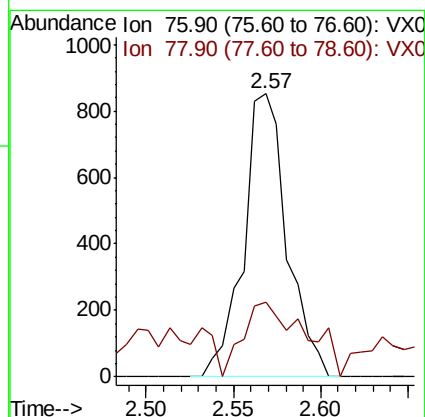
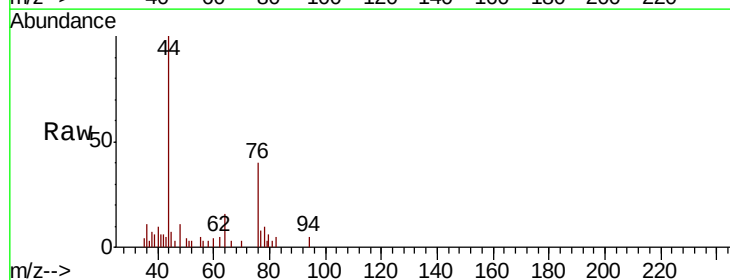
Acq: 05 Oct 2018 05:24

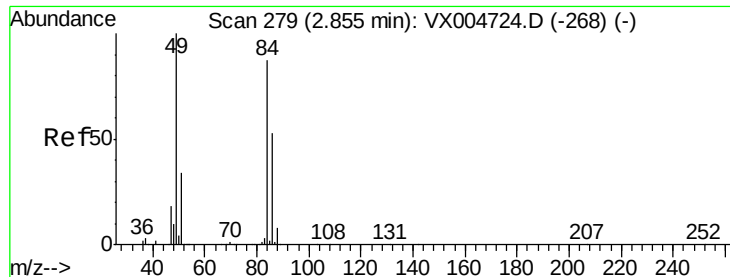
Tgt Ion: 76 Resp: 1465

Ion Ratio Lower Upper

76 100

78 26.5 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

TB02-20180927

Tot Ion: 84 Resp: 1431

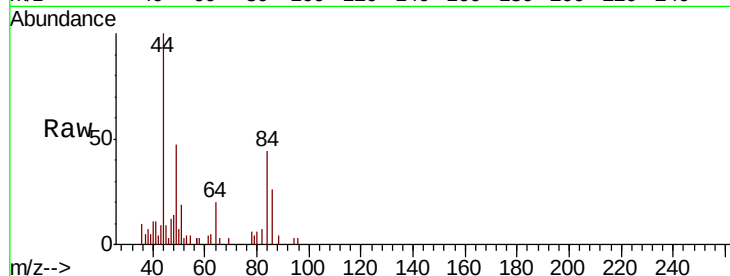
Ion Ratio Lower Upper

84 100

49 98.9 92.3 138.5

51 43.2 31.8 47.6

86 58.4 48.5 72.7

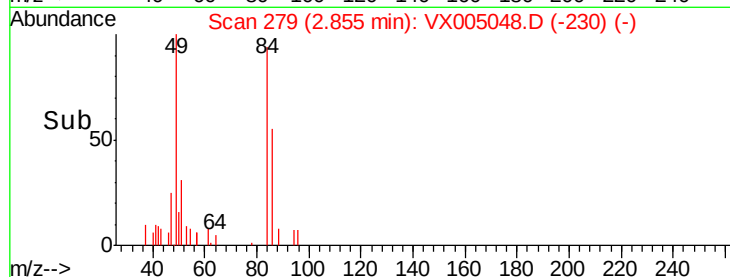
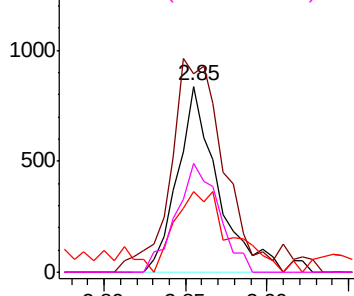


Abundance Ion 83.90 (83.60 to 84.60): VX0

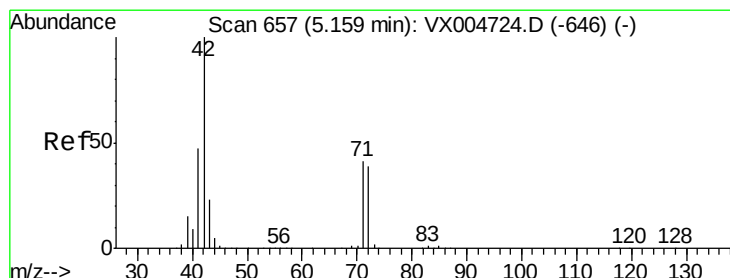
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.544 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

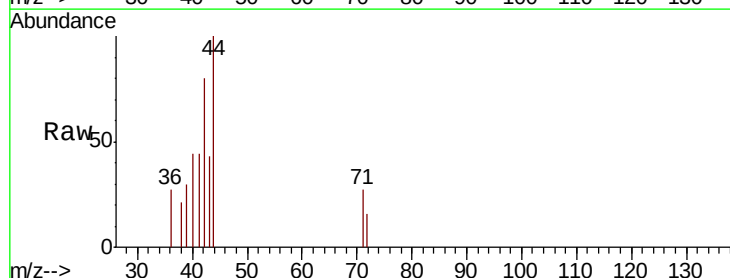
Tgt Ion: 42 Resp: 922

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

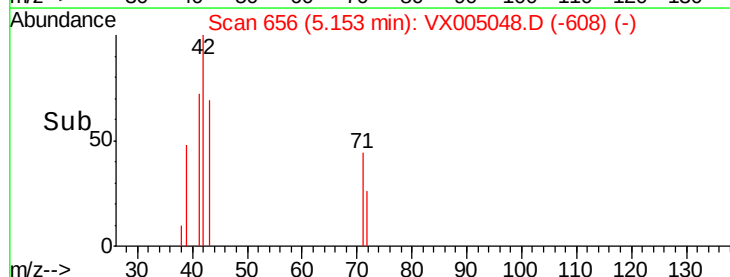
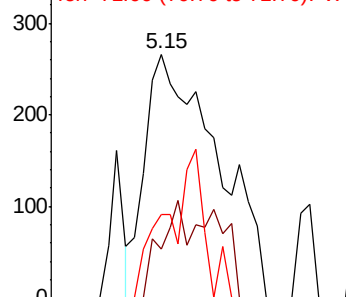
71 0.0 32.2 48.4#



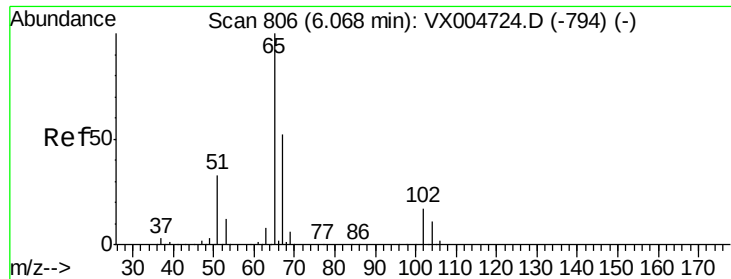
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



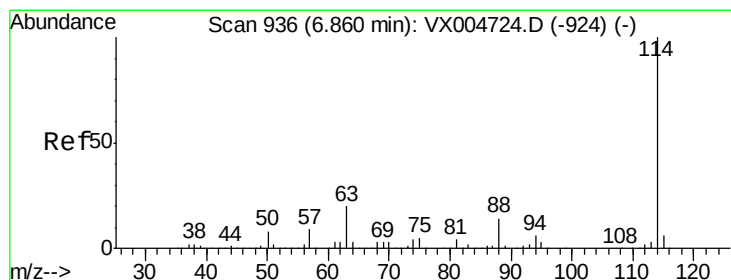
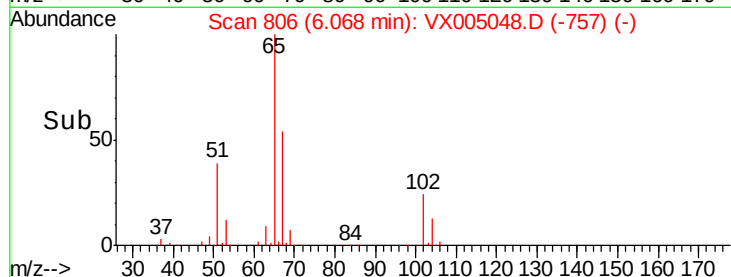
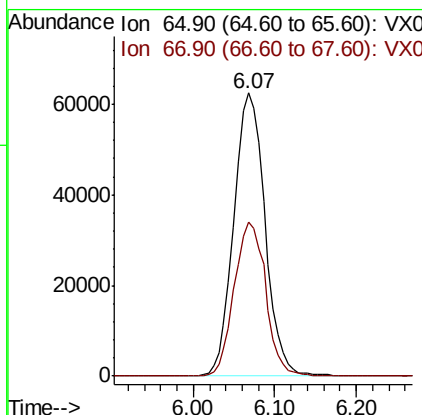
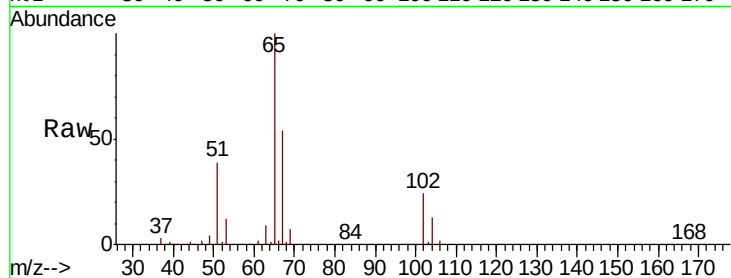
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 52.337 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005048.D
 Acq: 05 Oct 2018 05:24

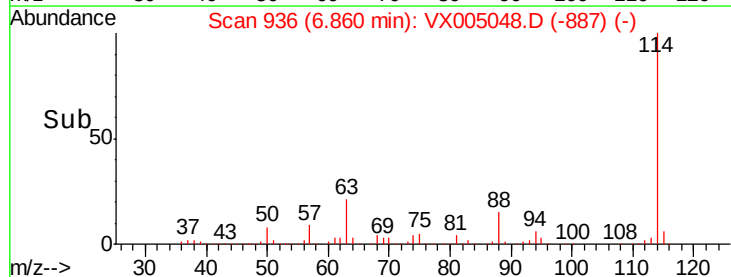
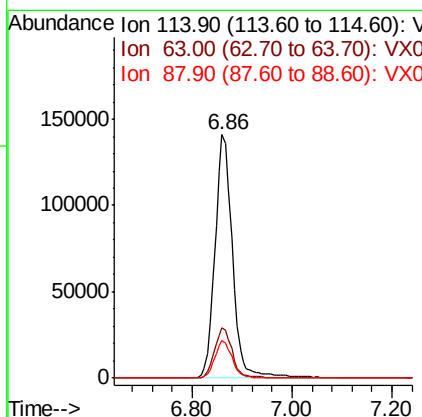
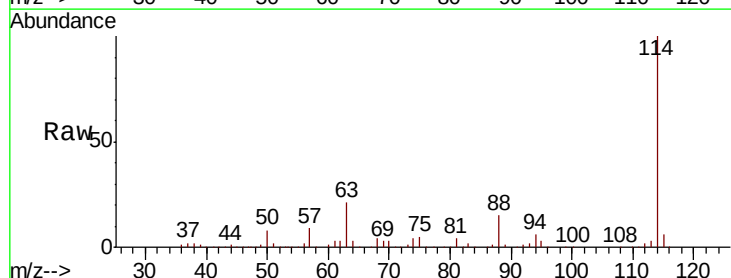
Instrument :
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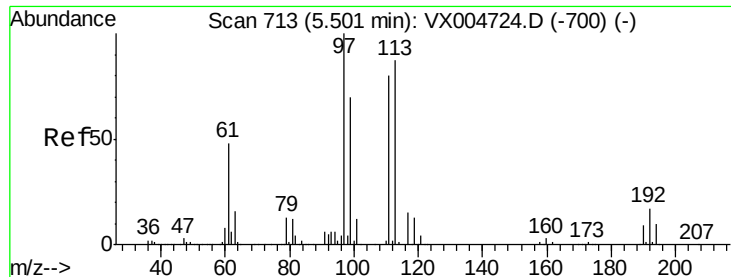
Tot Ion: 65 Resp: 165721
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005048.D
 Acq: 05 Oct 2018 05:24

Tgt Ion: 114 Resp: 344793
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.8
 88 15.2 0.0 27.0

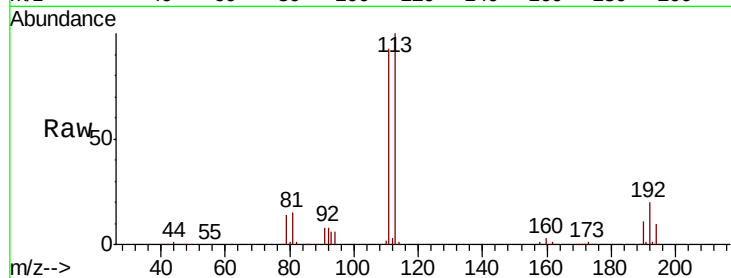




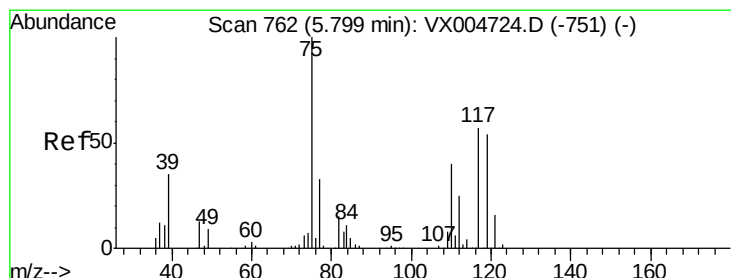
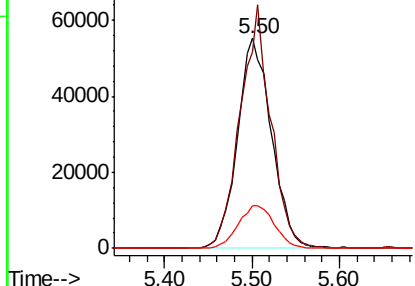
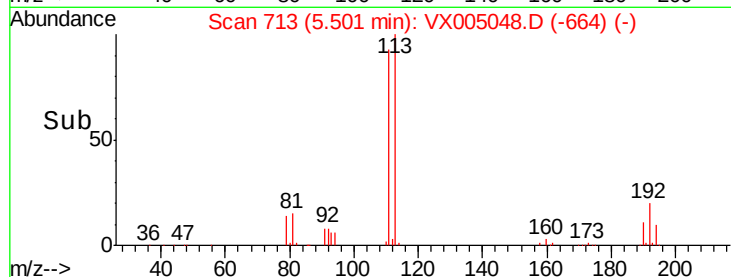
#35
 Dibromofluoromethane
 Concen: 51.237 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005048.D
 Acq: 05 Oct 2018 05:24

Instrument :
 MSVOA_X
 ClientSampleId :
 TB02-20180927

Tot Ion:113 Resp: 149724
 Ion Ratio Lower Upper
 113 100
 111 103.1 77.0 115.4
 192 21.8 17.0 25.6

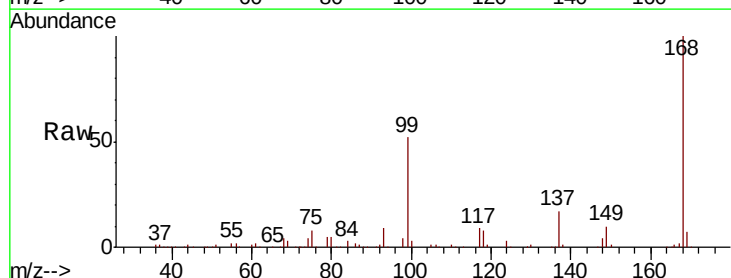


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

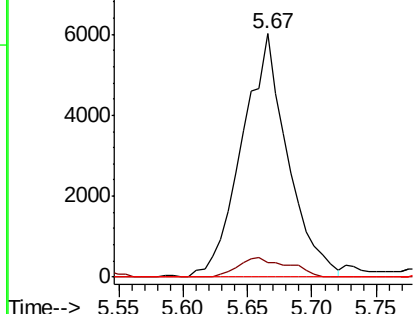
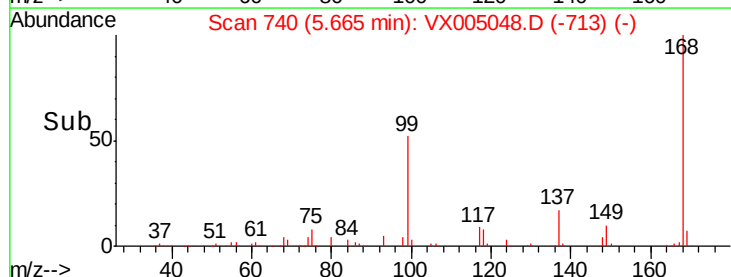


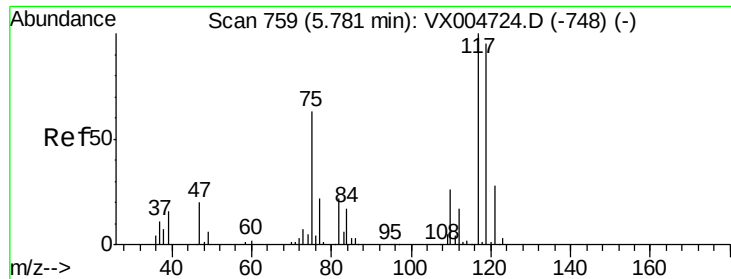
#36
 1,1-Dichloropropene
 Concen: 3.692 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005048.D
 Acq: 05 Oct 2018 05:24

Tgt Ion: 75 Resp: 14719
 Ion Ratio Lower Upper
 75 100
 110 9.0 20.0 59.9#
 77 0.0 27.1 40.7#



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: 4.744 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

TB02-20180927

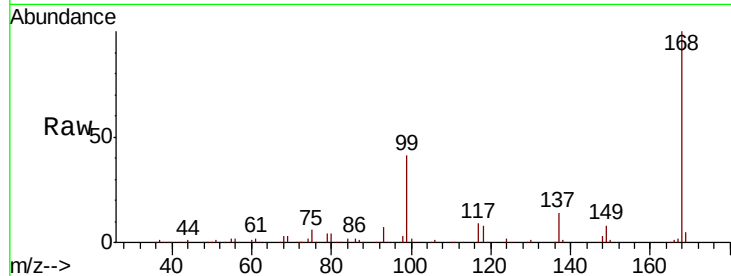
Tot Ion:117 Resp: 19882

Ion Ratio Lower Upper

117 100

119 4.8 75.2 112.8#

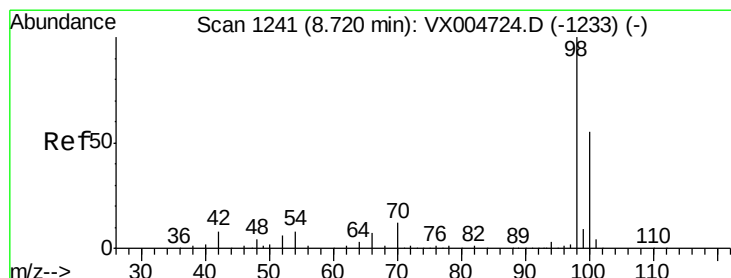
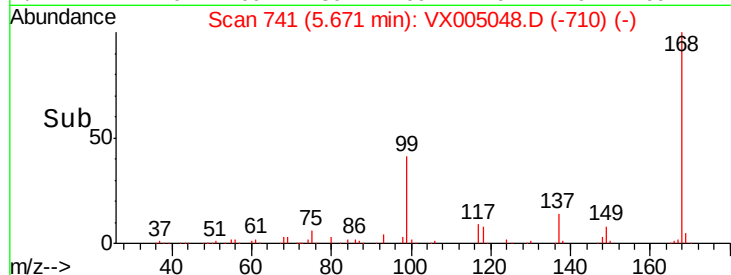
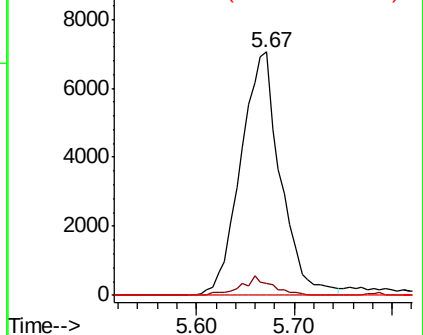
121 0.0 22.5 33.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.109 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005048.D

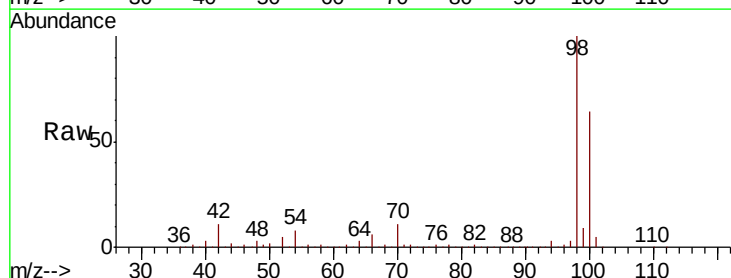
Acq: 05 Oct 2018 05:24

Tgt Ion: 98 Resp: 496509

Ion Ratio Lower Upper

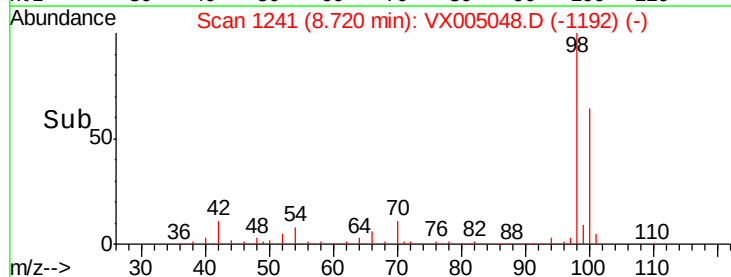
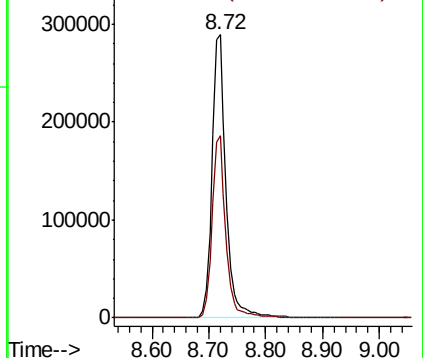
98 100

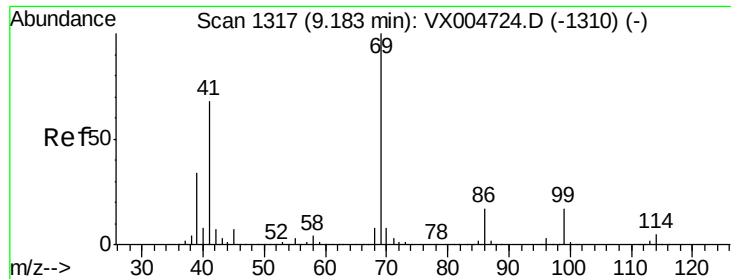
100 63.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.07 min Scan# 1299

Delta R.T. -0.11 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

TB02-20180927

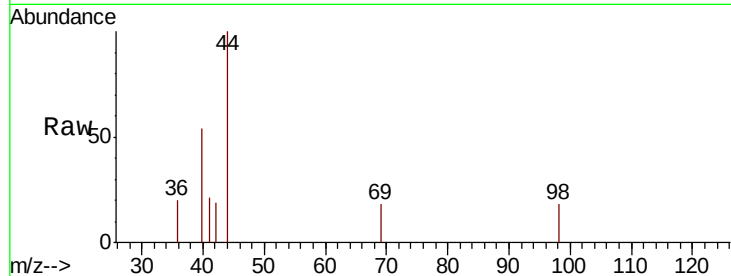
Tot Ion: 69 Resp: 19

Ion Ratio Lower Upper

69 100

41 263.2 56.9 85.3#

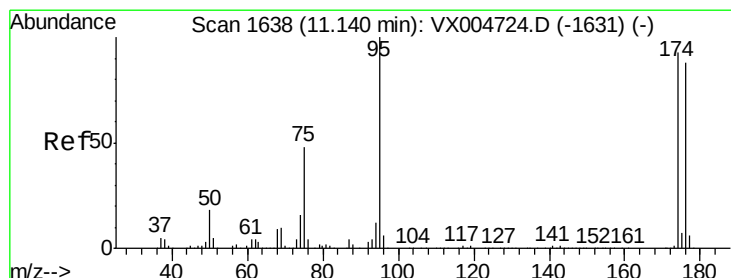
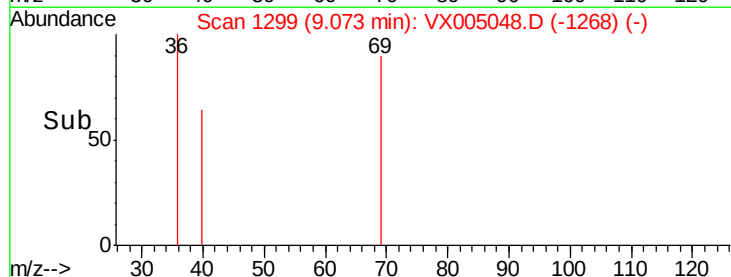
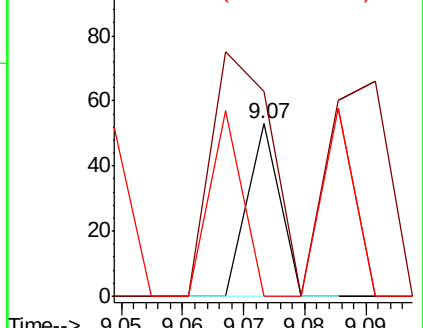
39 110.5 28.4 42.6#



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



#62

4-Bromofluorobenzene

Concen: 51.939 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

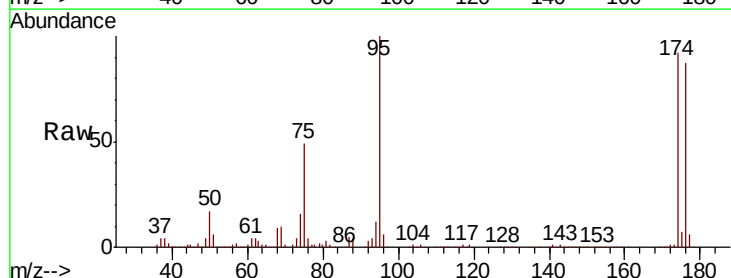
Tgt Ion: 95 Resp: 181776

Ion Ratio Lower Upper

95 100

174 91.2 0.0 185.0

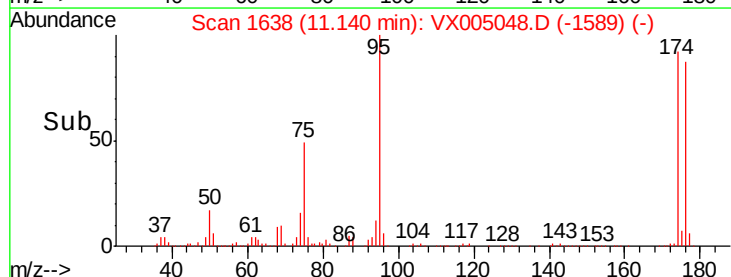
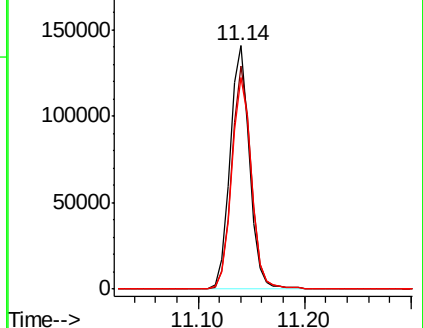
176 88.1 0.0 180.2

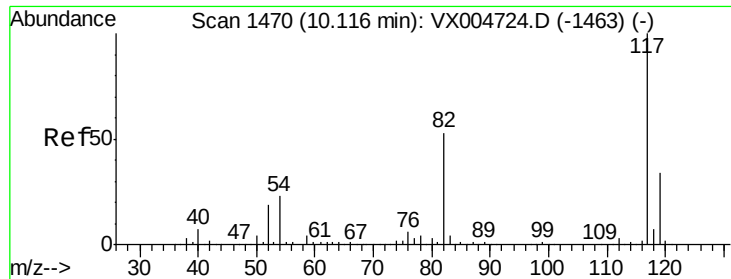


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

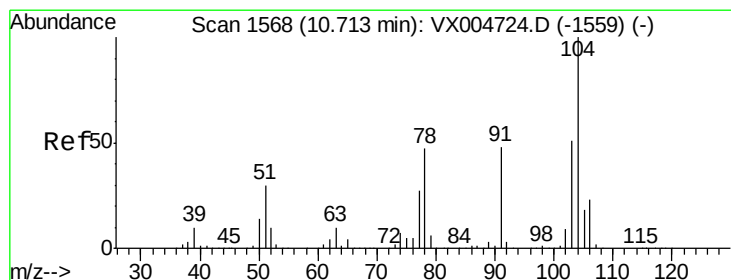
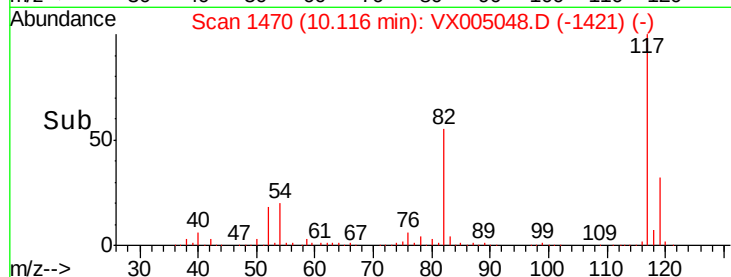
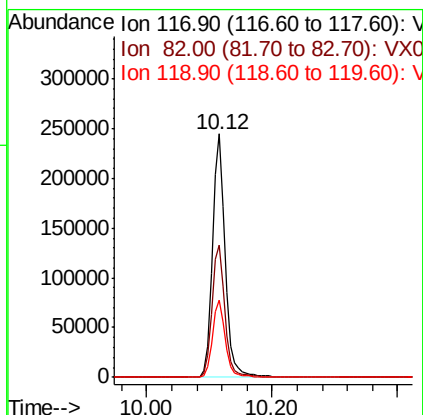
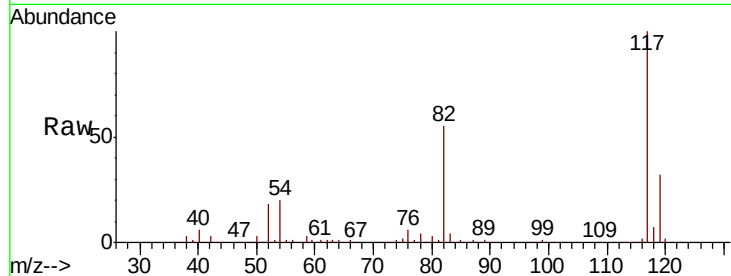




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005048.D
Acq: 05 Oct 2018 05:24

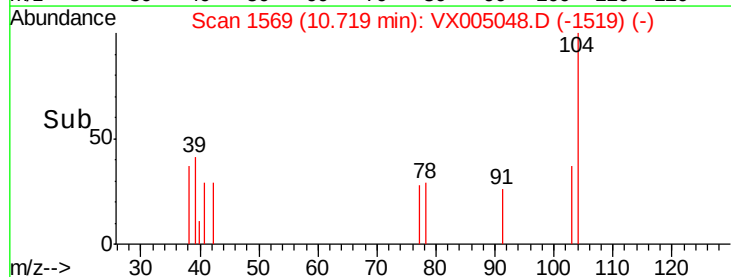
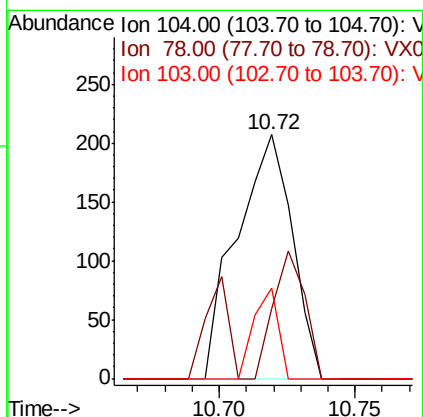
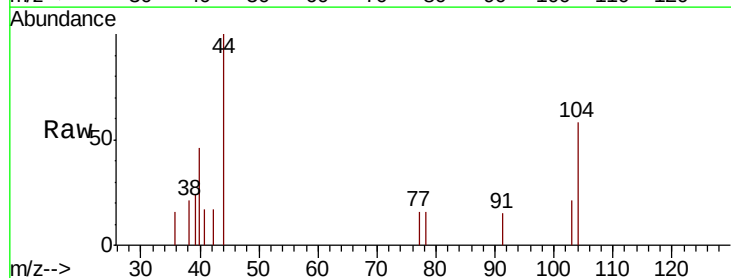
Instrument :
MSVOA_X
ClientSampleId :
TB02-20180927

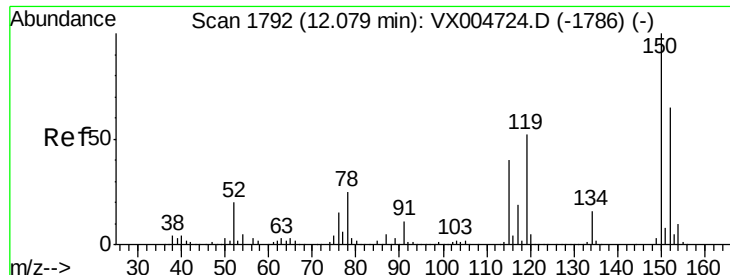
Tot Ion:117 Resp: 340469
Ion Ratio Lower Upper
117 100
82 54.6 42.2 63.4
119 31.9 27.4 41.0



#70
Styrene
Concen: 2.171 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005048.D
Acq: 05 Oct 2018 05:24

Tgt Ion:104 Resp: 292
Ion Ratio Lower Upper
104 100
78 29.8 40.0 60.0#
103 16.4 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

TB02-20180927

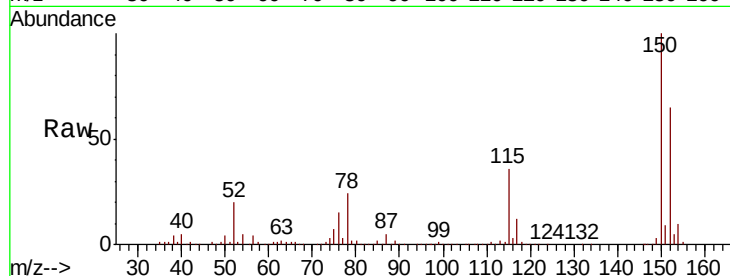
Tot Ion:152 Resp: 191563

Ion Ratio Lower Upper

152 100

115 55.4 40.2 120.6

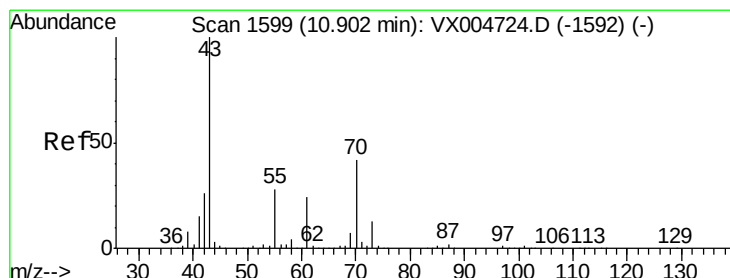
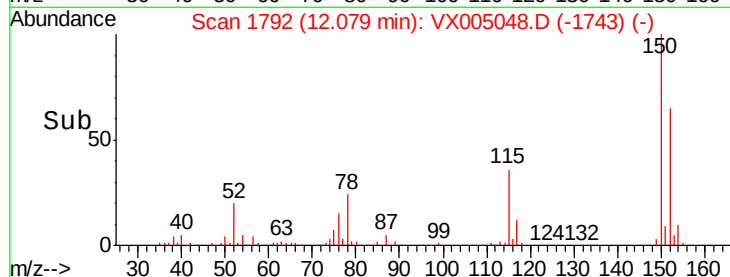
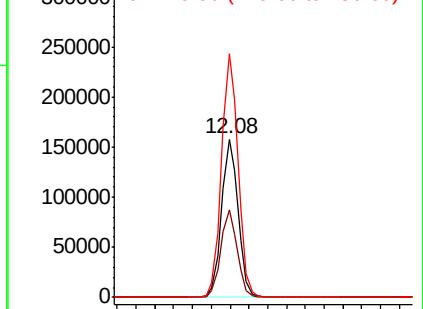
150 155.1 0.0 351.0



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



#74

N-ethyl acetate

Concen: 1.759 ug/l

RT: 10.88 min Scan# 1596

Delta R.T. -0.02 min

Lab File: VX005048.D

Acq: 05 Oct 2018 05:24

Tgt Ion: 43 Resp: 74

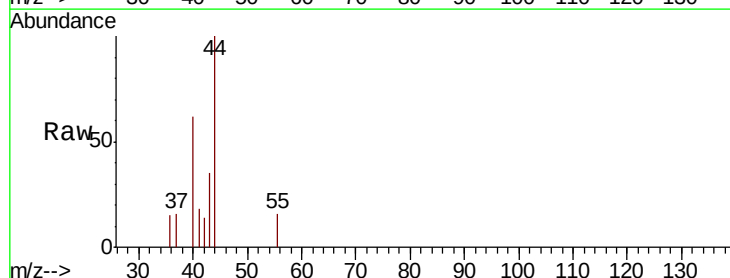
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 27.0 21.6 32.4

61 0.0 19.1 28.7#

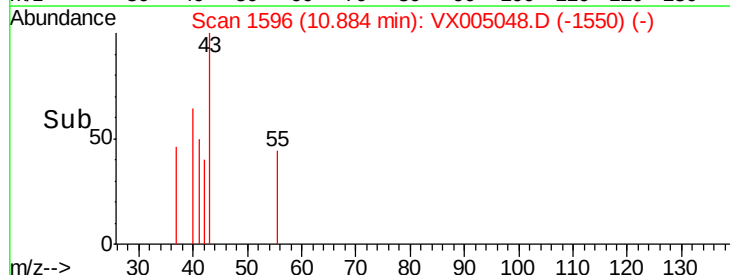
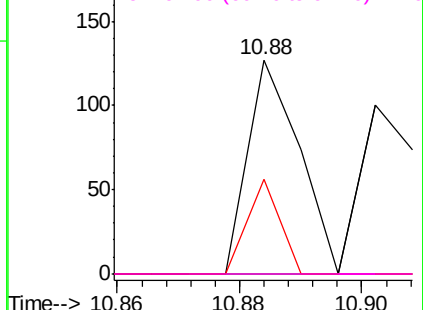


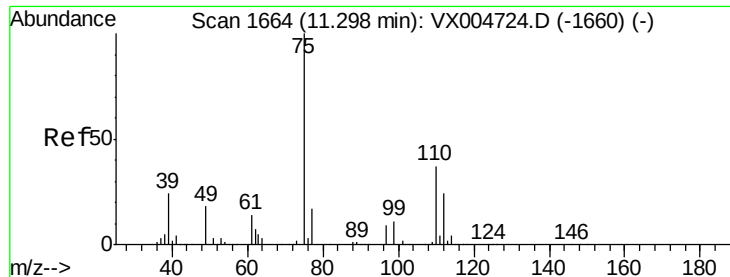
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

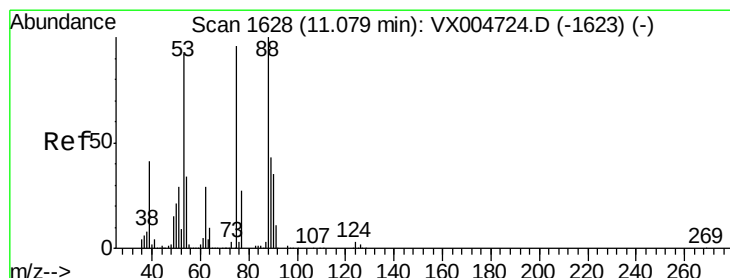
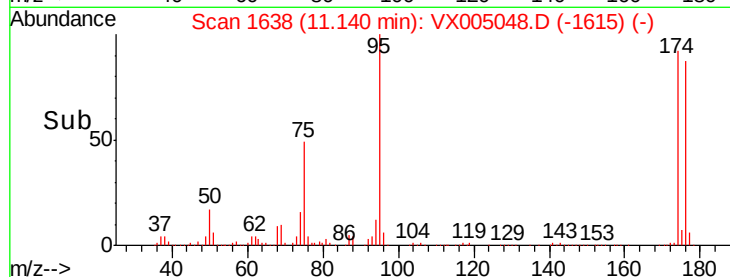
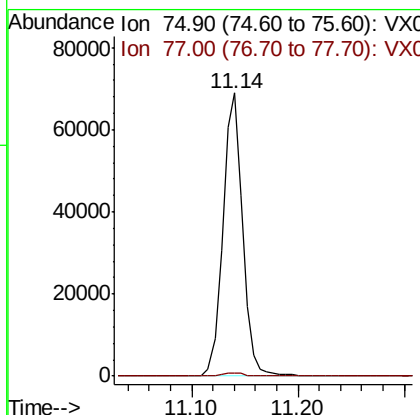
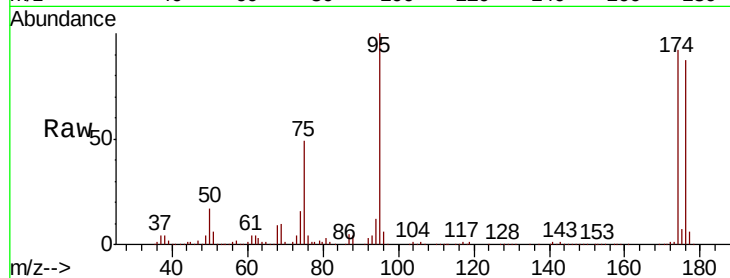




#76
 1,2,3-Trichloropropane
 Concen: 20.735 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005048.D
 Acq: 05 Oct 2018 05:24

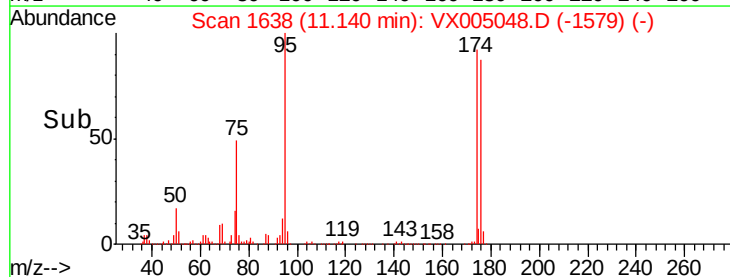
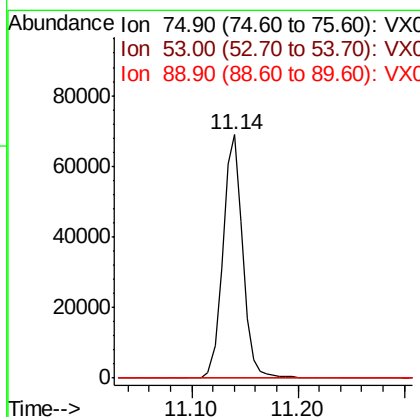
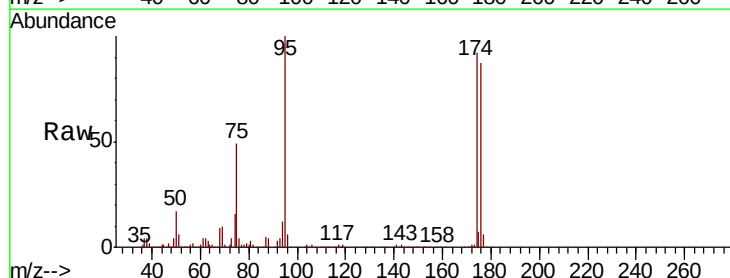
Instrument :
 MSVOA_X
 ClientSampleId :
 TB02-20180927

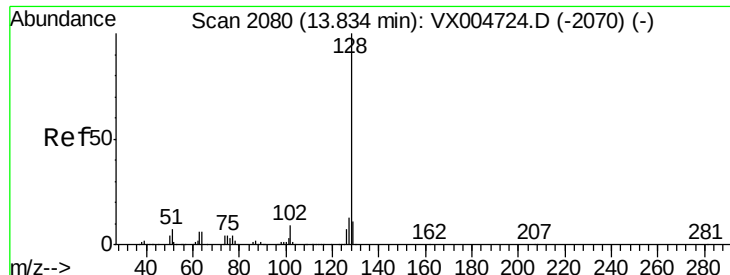
Tot Ion: 75 Resp: 89030
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.293 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX005048.D
 Acq: 05 Oct 2018 05:24

Tgt Ion: 75 Resp: 89030
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.4#
 89 0.0 37.1 55.7#

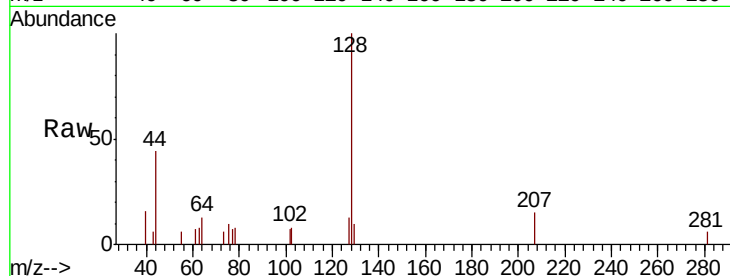




#95
Naphthalene
Concen: 0.785 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005048.D
Acq: 05 Oct 2018 05:24

Instrument :
MSVOA_X
ClientSampleId :
TB02-20180927

Tot Ion:128 Resp: 1054
Ion Ratio Lower Upper
128 100
127 8.3 10.4 15.6#
129 11.1 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

