

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004750.D
 Acq On : 27 Sep 2018 03:45
 Operator : JC/MD
 Sample : J5029-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-9-9.0-092018

Quant Time: Sep 27 05:23:29 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

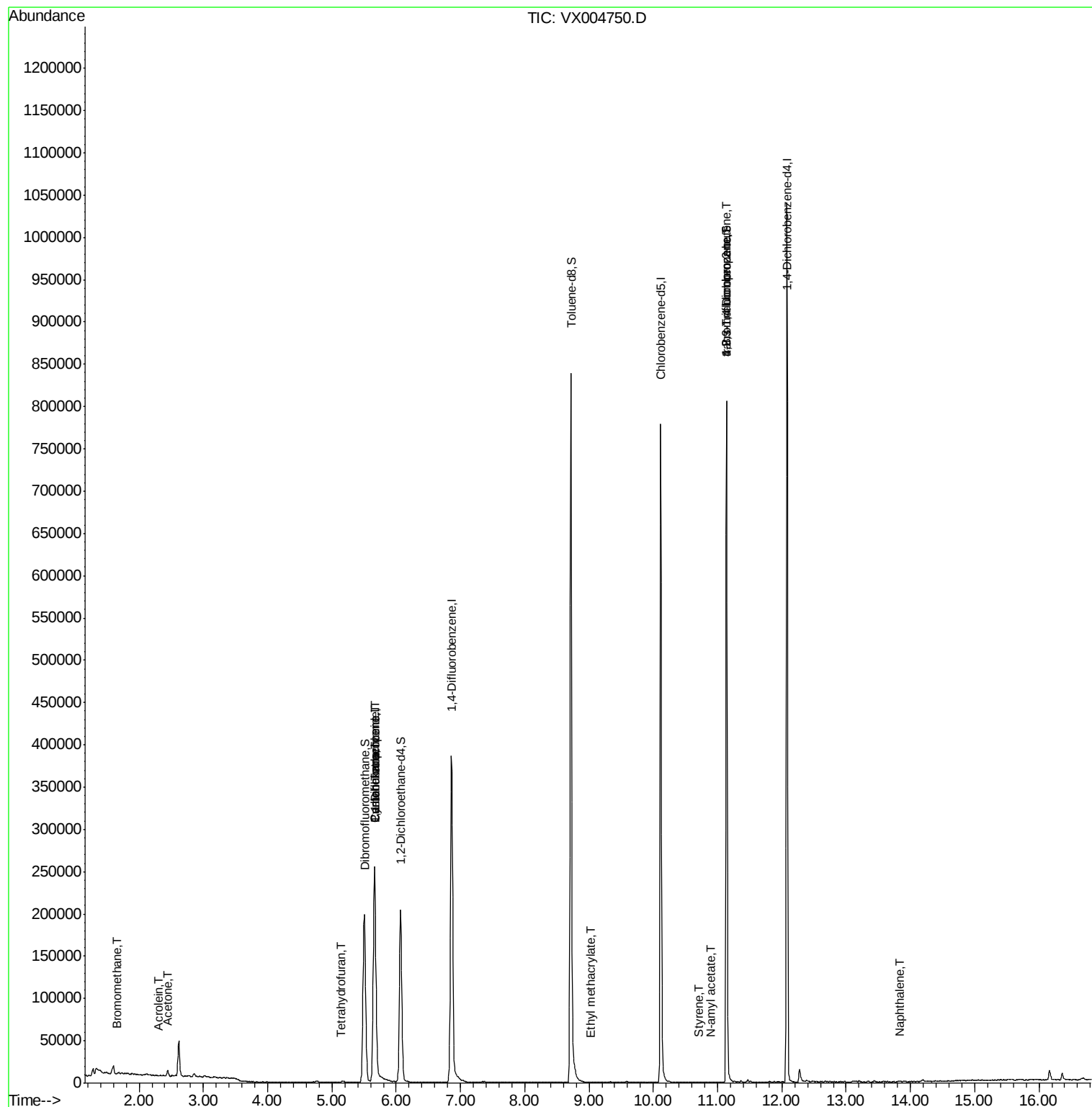
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267719	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	407117	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	376517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212022	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	197534	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	5.51	113	170529	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	8.72	98	562521	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.14	95	203931	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	717	0.291	ug/l	90
6) Chloroethane	1.71	64	4728	Below Cal	#	51
13) Acrolein	2.29	56	309	0.406	ug/l #	70
16) Acetone	2.45	43	6530	2.925	ug/l #	87
20) Methylene Chloride	2.86	84	1859	Below Cal	#	89
29) Tetrahydrofuran	5.15	42	532	0.260	ug/l #	31
31) Cyclohexane	5.66	56	4940	1.015	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18888	4.012	ug/l #	50
38) Carbon Tetrachloride	5.66	117	24744	5.000	ug/l #	16
56) Ethyl methacrylate	9.02	69	18	2.865	ug/l #	1
70) Styrene	10.71	104	120	2.152	ug/l #	77
74) N-amyl acetate	10.90	43	196	1.774	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	101117	21.278	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.50	105	163	Below Cal	#	62
81) trans-1,4-Dichloro-2-buten	11.14	75	101117	57.714	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	270	Below Cal		90
95) Naphthalene	13.83	128	654	0.756	ug/l #	88

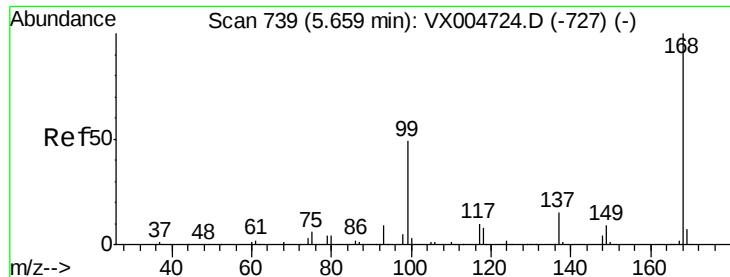
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004750.D
Acq On : 27 Sep 2018 03:45
Operator : JC/MD
Sample : J5029-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-9-9.0-092018

Quant Time: Sep 27 05:23:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

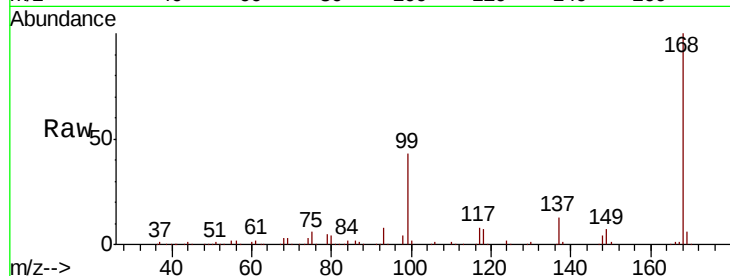
T11-MW-9-9.0-092018

Tot Ion:168 Resp: 267719

Ion Ratio Lower Upper

168 100

99 43.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

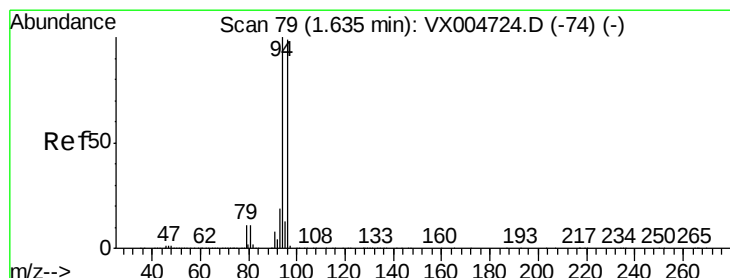
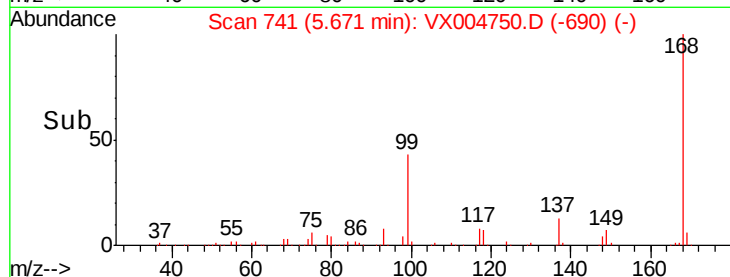
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.291 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004750.D

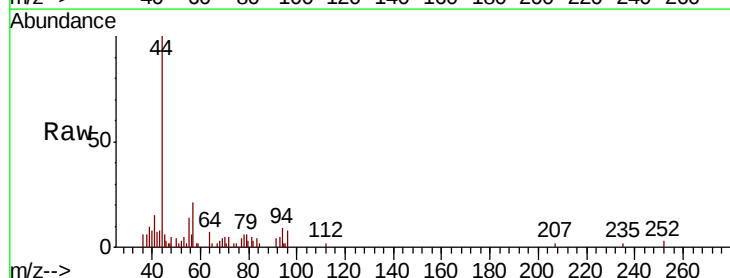
Acq: 27 Sep 2018 03:45

Tgt Ion: 94 Resp: 717

Ion Ratio Lower Upper

94 100

96 83.5 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

300

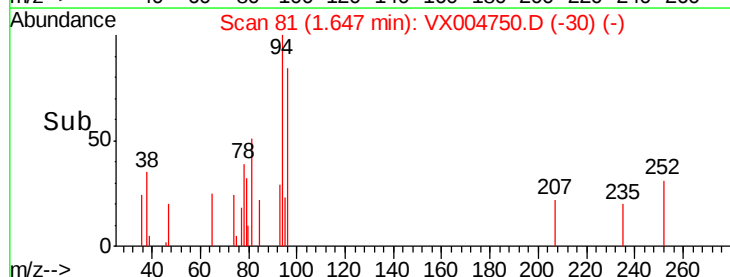
200

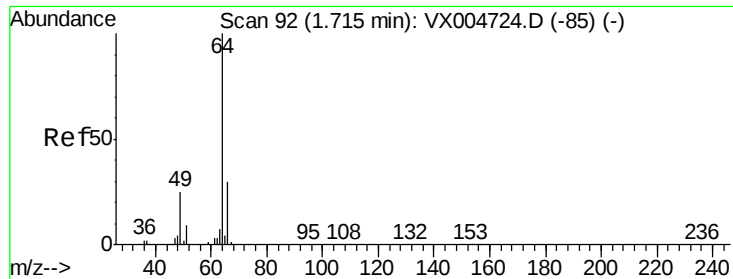
100

0

Time-->

1.55 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

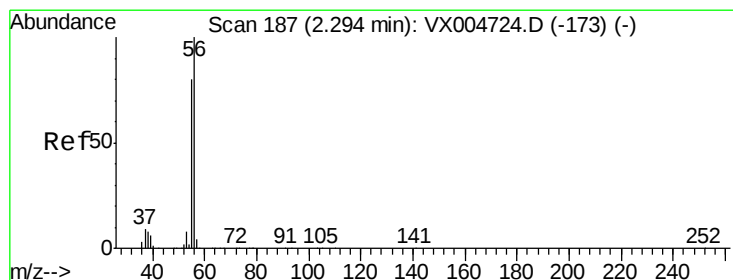
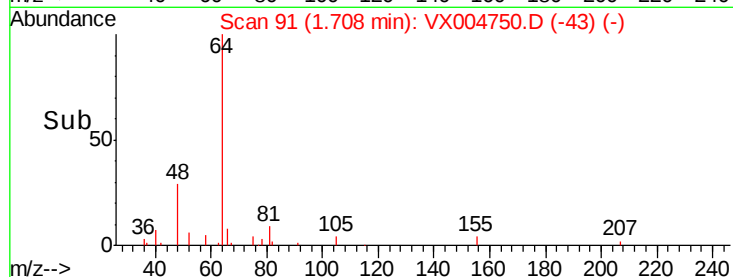
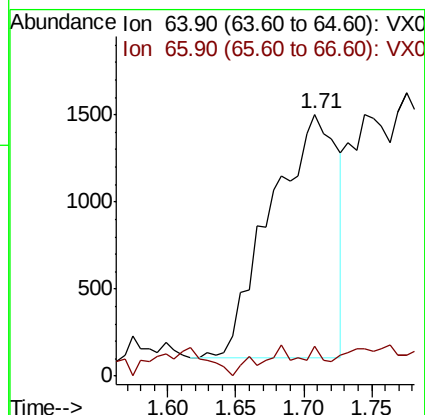
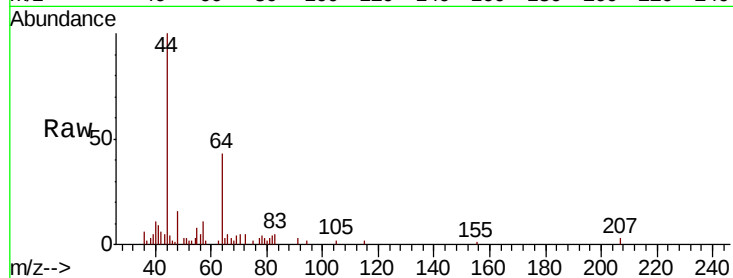
T11-MW-9-9.0-092018

Tot Ion: 64 Resp: 4728

Ion Ratio Lower Upper

64 100

66 3.8 24.6 36.8#



#13

Acrolein

Concen: 0.406 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004750.D

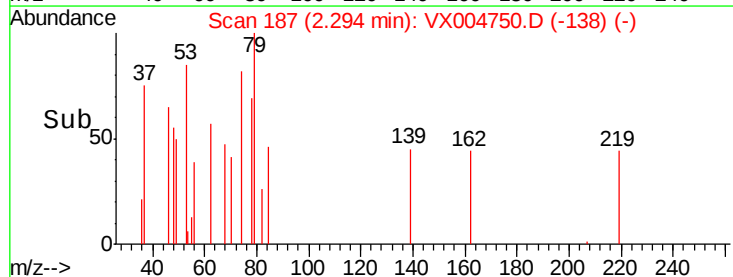
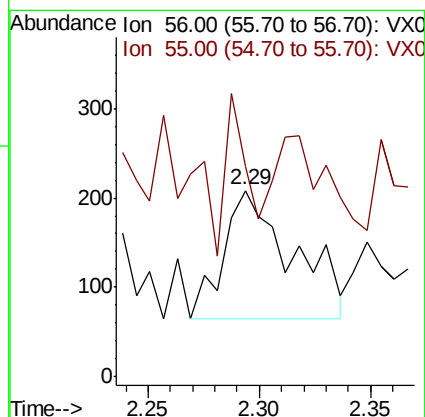
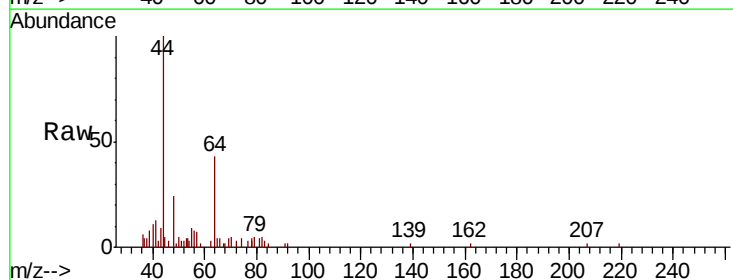
Acq: 27 Sep 2018 03:45

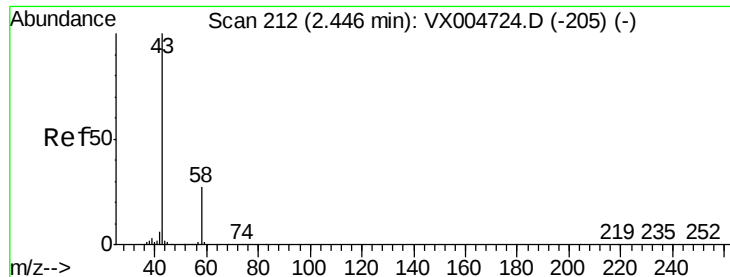
Tgt Ion: 56 Resp: 309

Ion Ratio Lower Upper

56 100

55 44.3 54.7 82.1#





#16

Acetone

Concen: 2.925 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

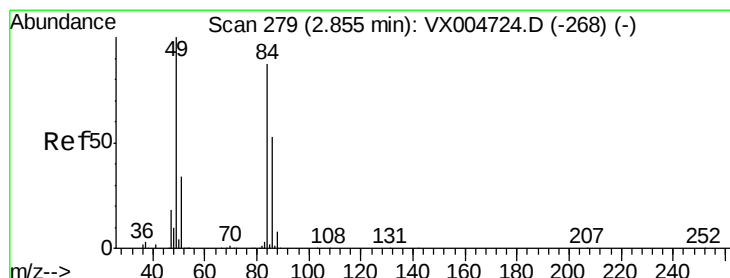
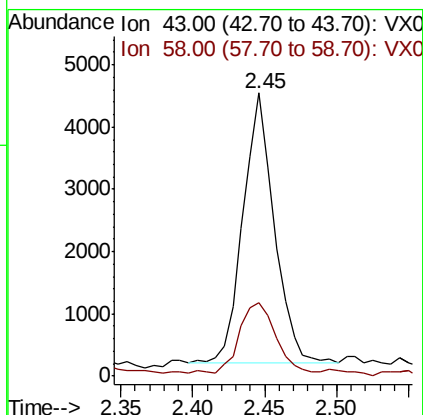
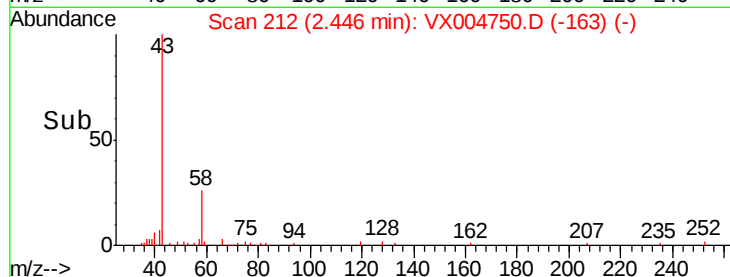
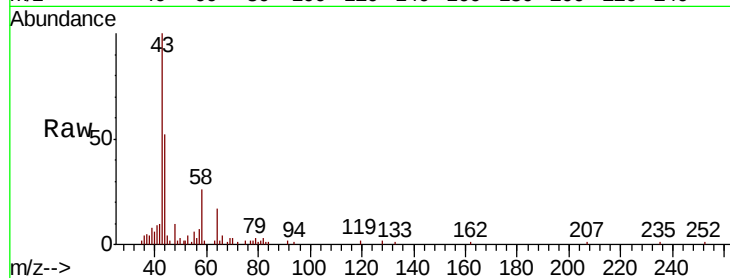
T11-MW-9-9.0-092018

Tot Ion: 43 Resp: 6530

Ion Ratio Lower Upper

43 100

58 25.7 26.2 39.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Tgt Ion: 84 Resp: 1859

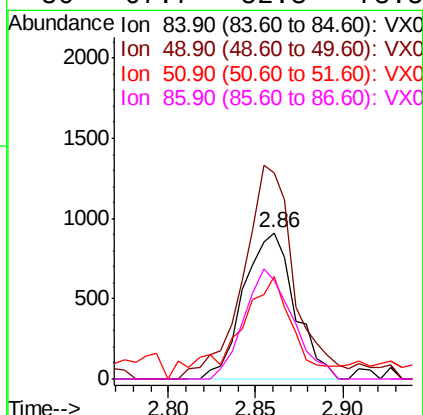
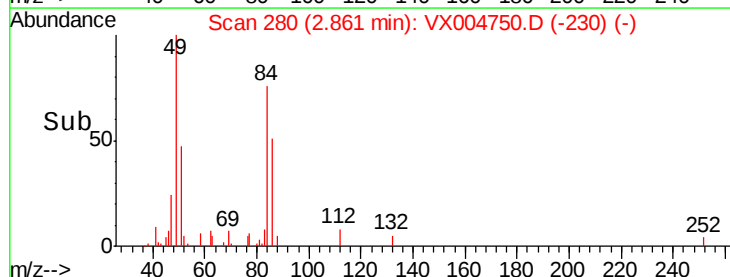
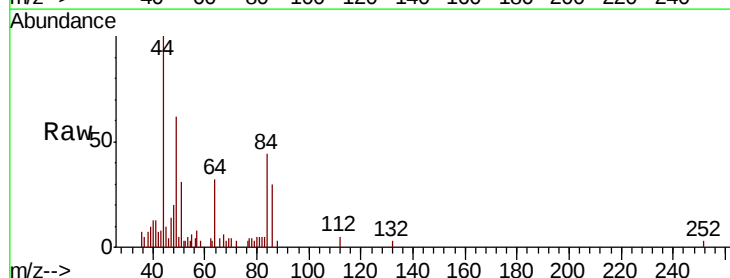
Ion Ratio Lower Upper

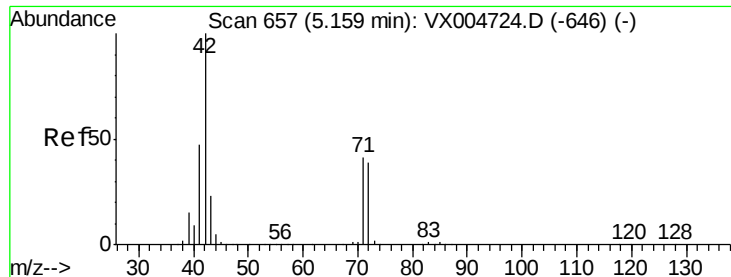
84 100

49 133.7 101.2 151.8

51 61.9 29.5 44.3#

86 67.7 52.3 78.5





#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-9-9.0-092018

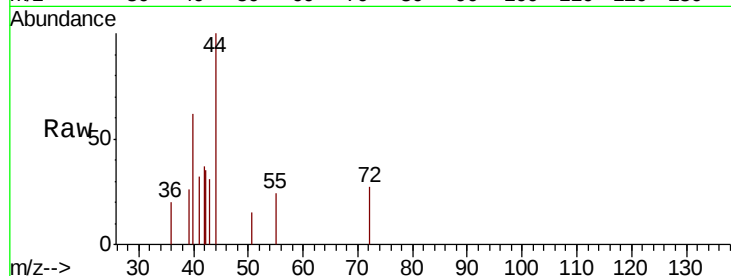
Tot Ion: 42 Resp: 532

Ion Ratio Lower Upper

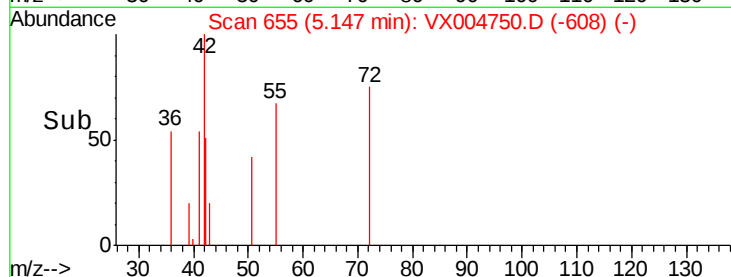
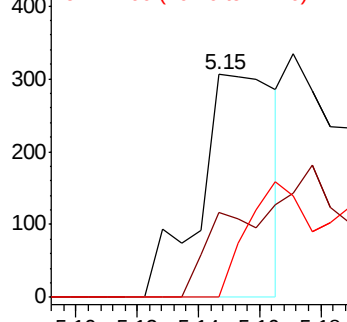
42 100

72 0.0 37.4 56.0#

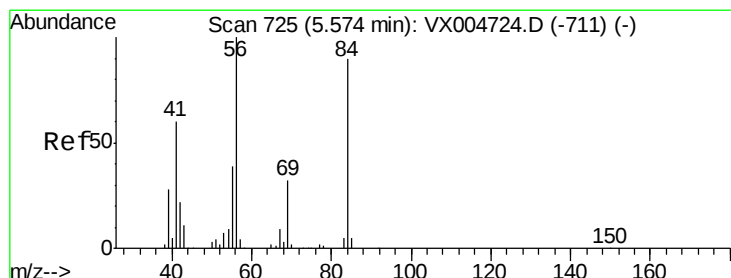
71 0.0 34.5 51.7#



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



Time-->



#31

Cyclohexane

Concen: 1.015 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

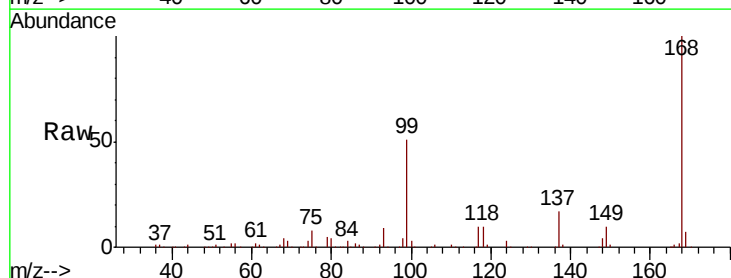
Tgt Ion: 56 Resp: 4940

Ion Ratio Lower Upper

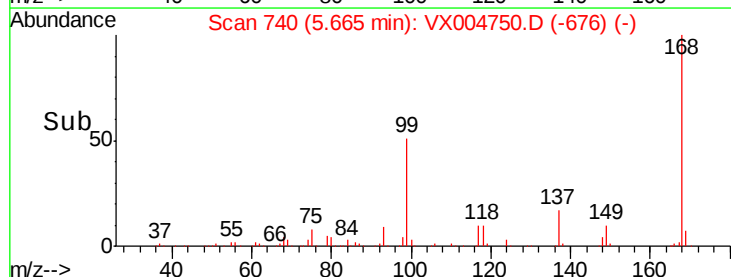
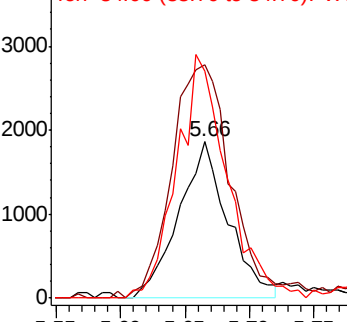
56 100

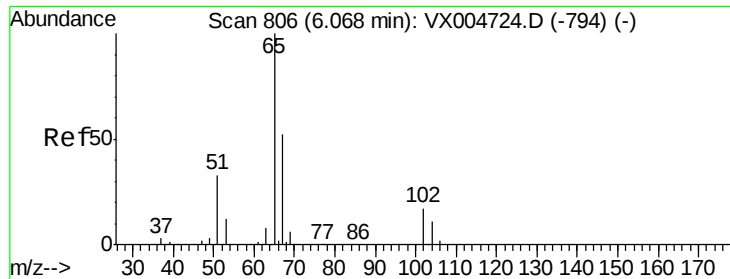
69 149.6 25.4 38.2#

84 145.1 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.651 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

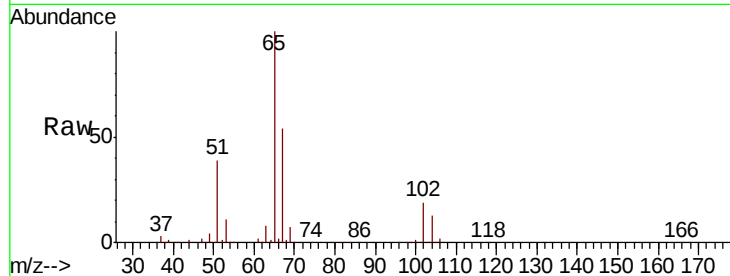
T11-MW-9-9.0-092018

Tot Ion: 65 Resp: 197534

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

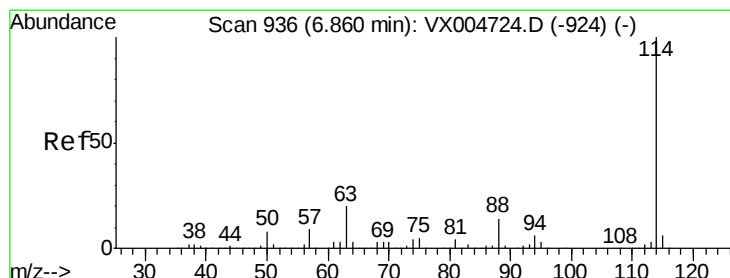
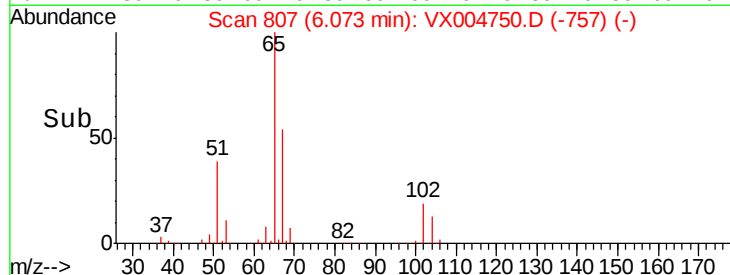
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

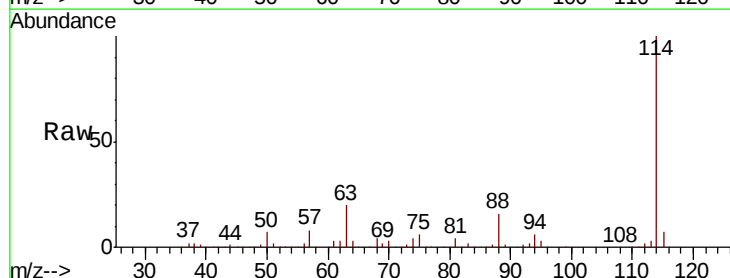
Tgt Ion: 114 Resp: 407117

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

88 15.8 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

6.86

200000

150000

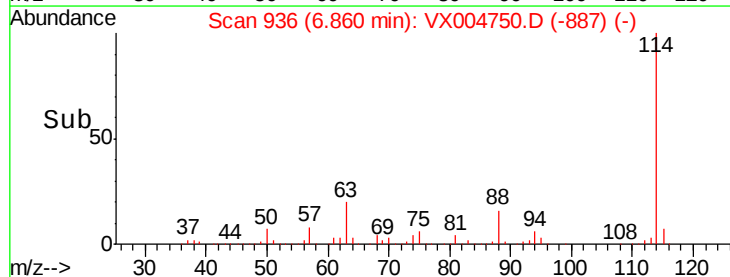
100000

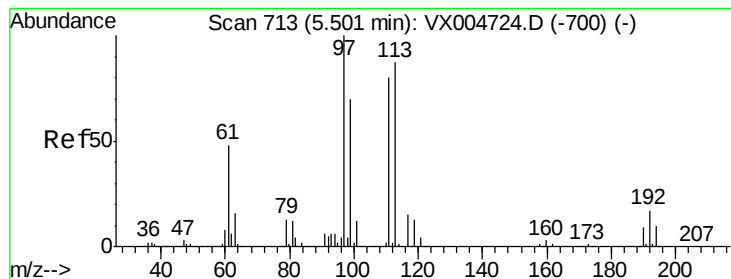
50000

0

Time-->

6.80 7.00 7.20





#35

Dibromofluoromethane

Concen: 49.423 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-9-9.0-092018

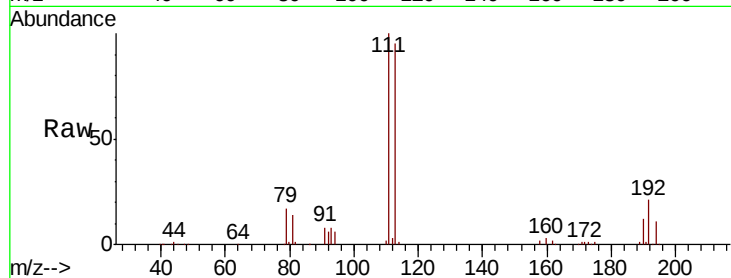
Tot Ion:113 Resp: 170529

Ion Ratio Lower Upper

113 100

111 104.5 82.4 123.6

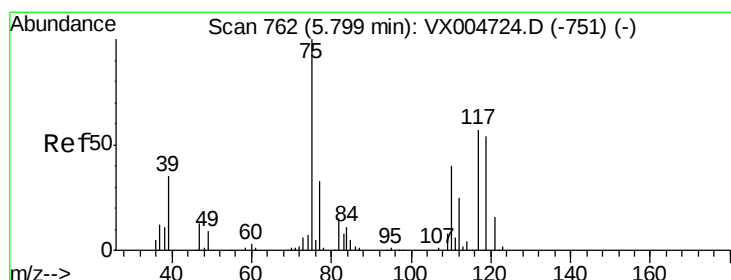
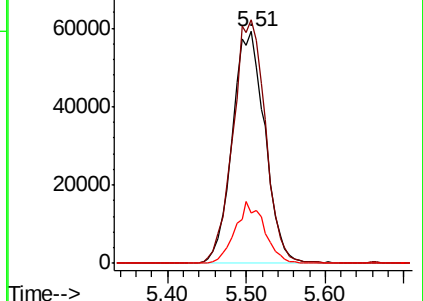
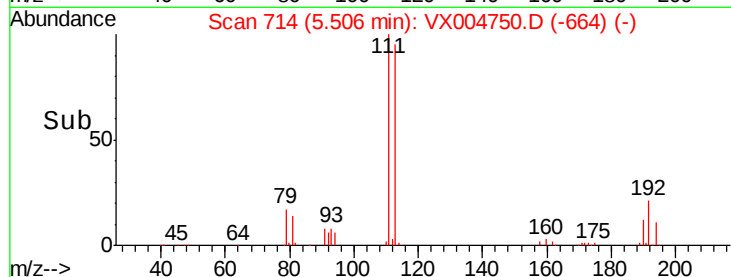
192 23.9 19.4 29.2



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: 4.012 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

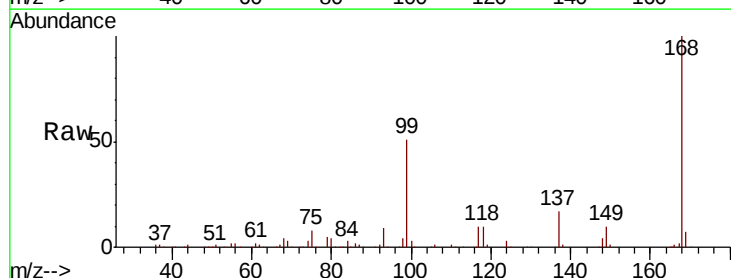
Tgt Ion: 75 Resp: 18888

Ion Ratio Lower Upper

75 100

110 9.3 18.0 54.0#

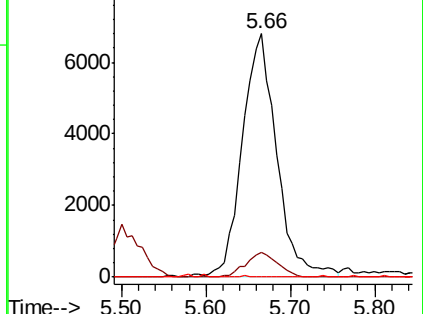
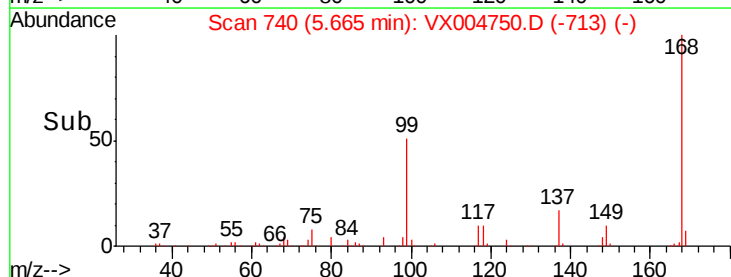
77 0.1 24.6 36.8#

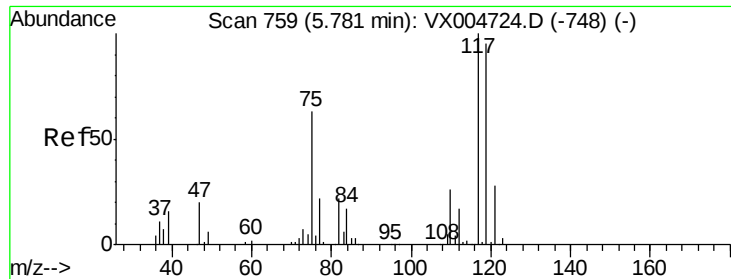


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-9-9.0-092018

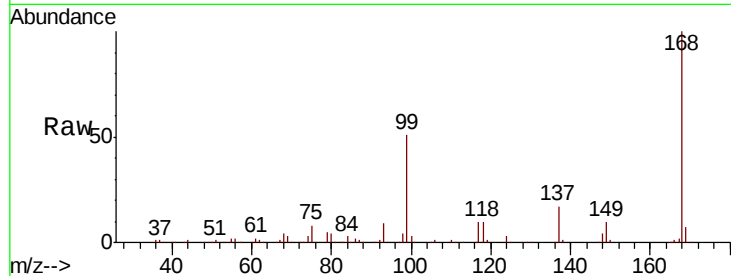
Tot Ion:117 Resp: 24744

Ion Ratio Lower Upper

117 100

119 6.0 78.8 118.2#

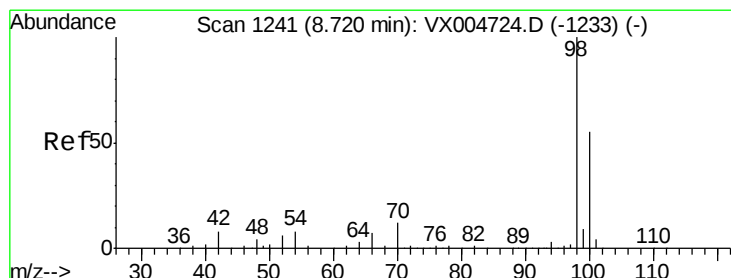
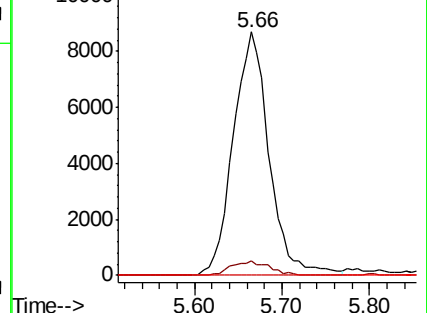
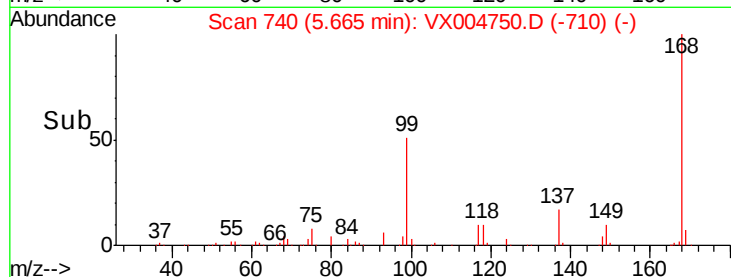
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.040 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004750.D

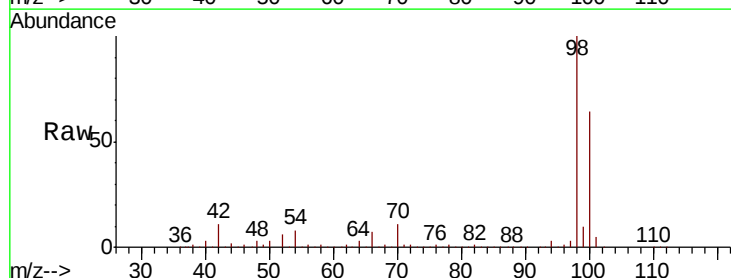
Acq: 27 Sep 2018 03:45

Tgt Ion: 98 Resp: 562521

Ion Ratio Lower Upper

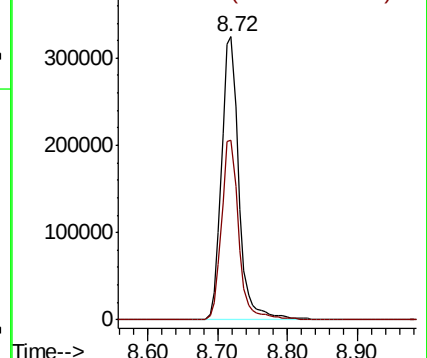
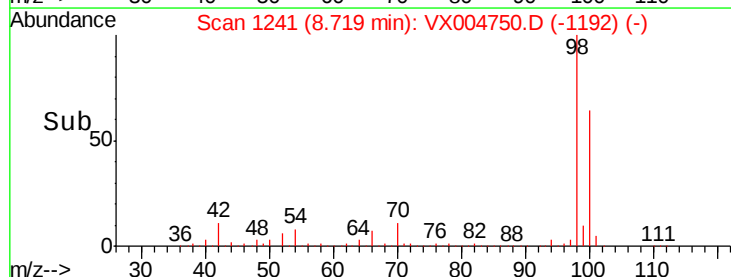
98 100

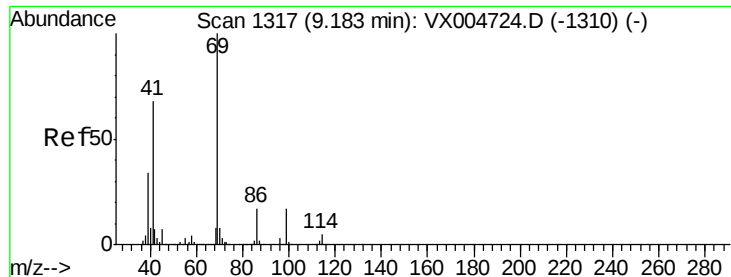
100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.865 ug/l

RT: 9.02 min Scan# 1291

Delta R.T. -0.16 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-9-9.0-092018

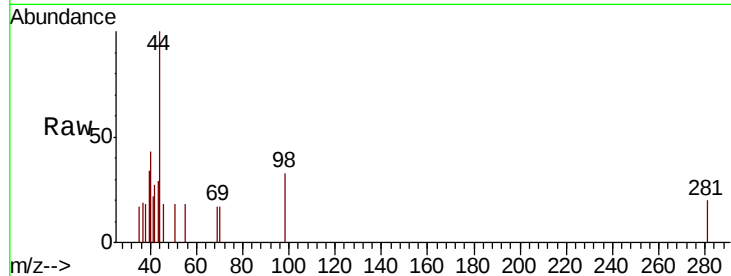
Tot Ion: 69 Resp: 18

Ion Ratio Lower Upper

69 100

41 272.2 51.0 76.4#

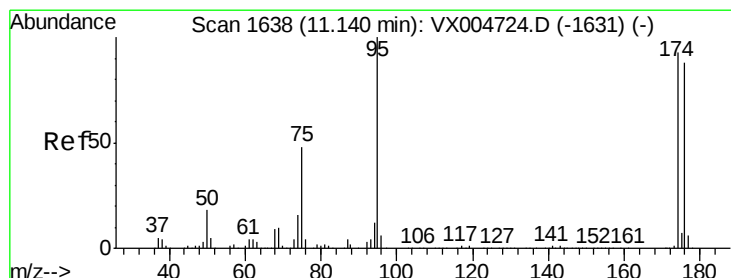
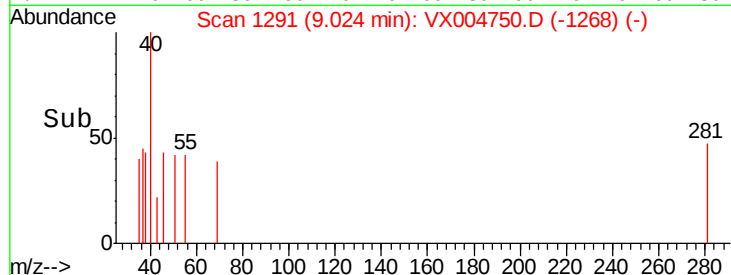
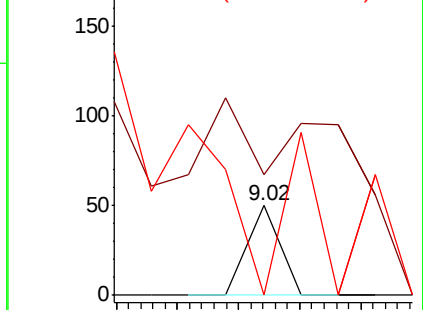
39 322.2 26.1 39.1#



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



#62

4-Bromofluorobenzene

Concen: 49.349 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

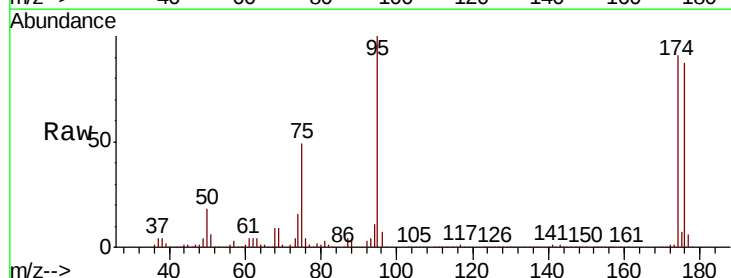
Tgt Ion: 95 Resp: 203931

Ion Ratio Lower Upper

95 100

174 90.4 0.0 185.2

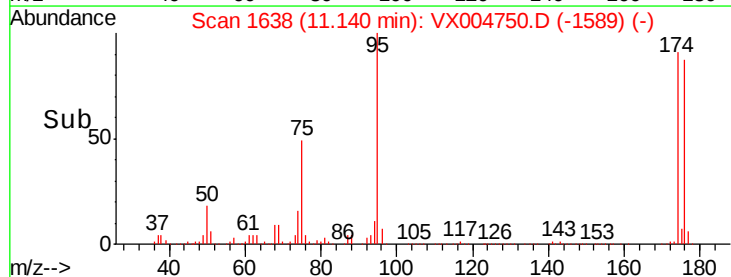
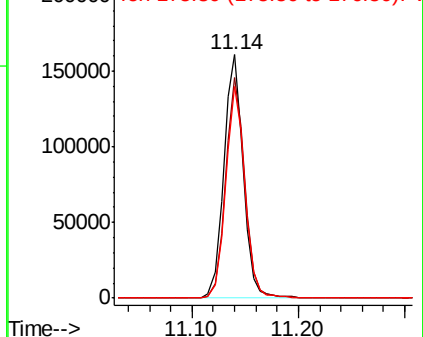
176 86.5 0.0 178.6

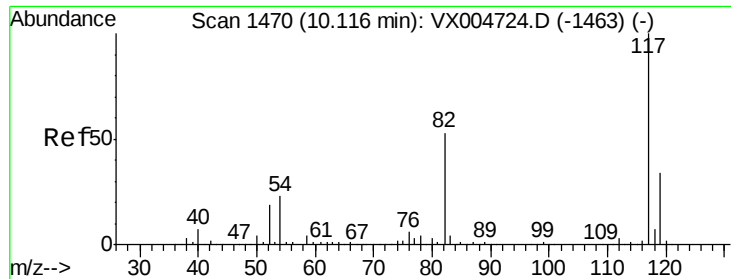


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

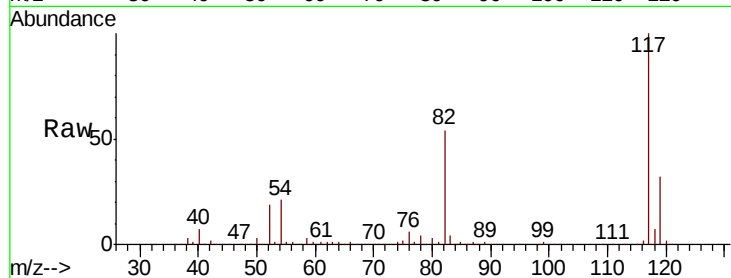




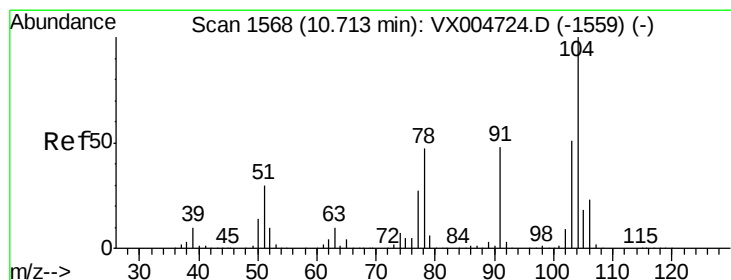
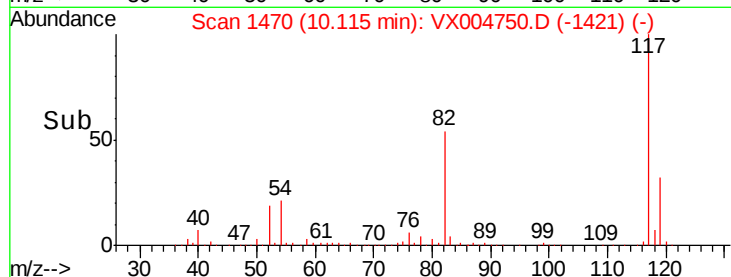
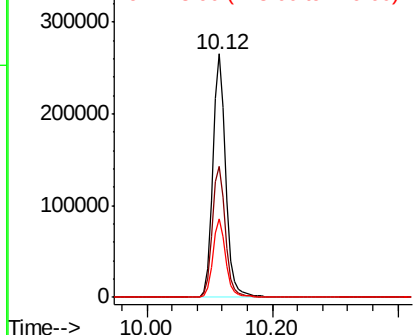
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004750.D
Acq: 27 Sep 2018 03:45

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-9-9.0-092018

Tot Ion:117 Resp: 376517
Ion Ratio Lower Upper
117 100
82 54.1 47.8 71.6
119 32.1 29.3 43.9

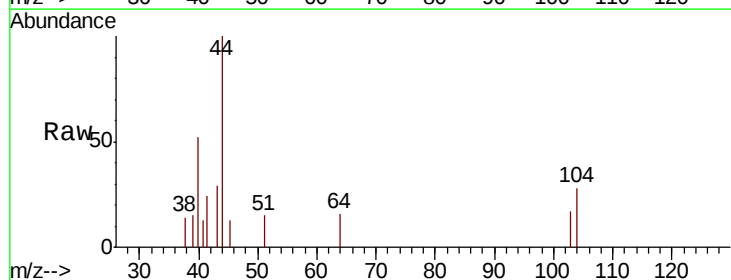


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

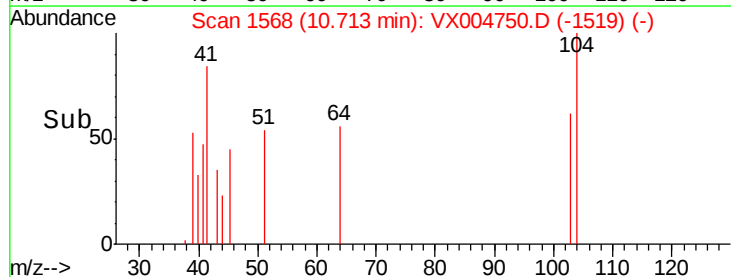
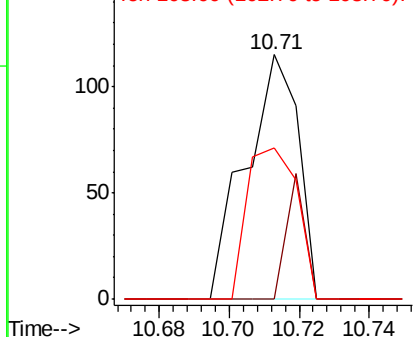


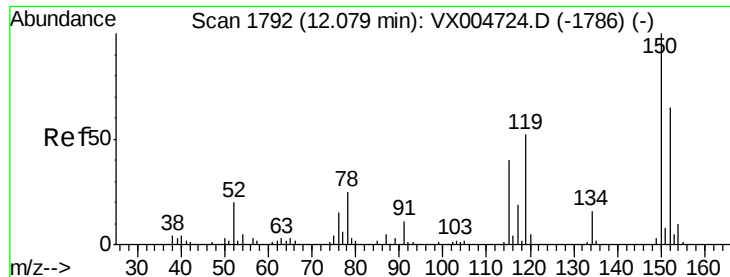
#70
Styrene
Concen: 2.152 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004750.D
Acq: 27 Sep 2018 03:45

Tgt Ion:104 Resp: 120
Ion Ratio Lower Upper
104 100
78 18.3 37.4 56.0#
103 59.2 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



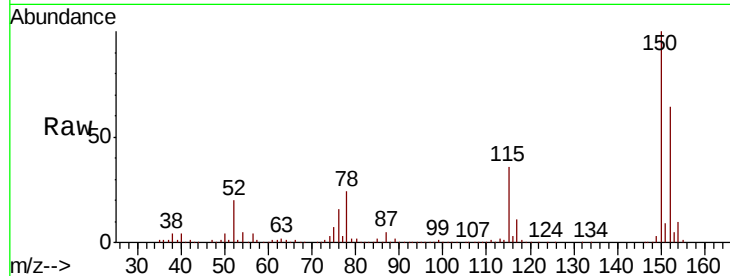


#72

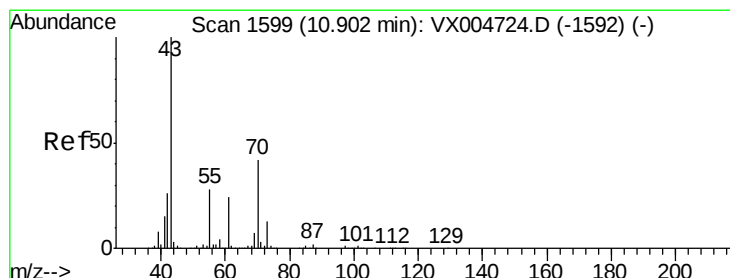
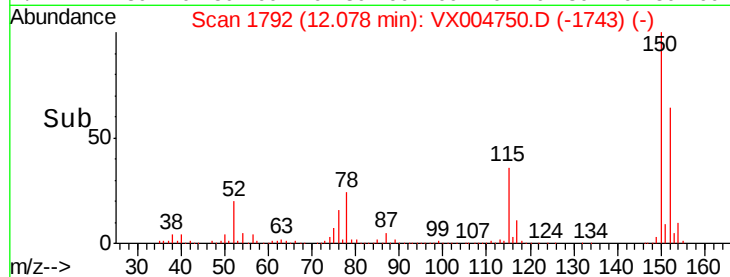
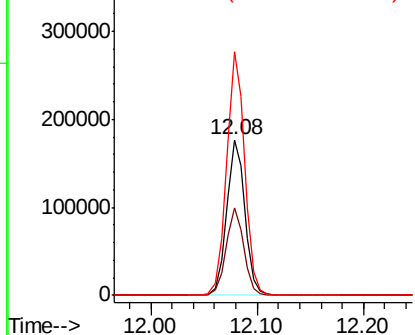
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004750.D
Acq: 27 Sep 2018 03:45

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-9-9.0-092018

Tot Ion:152 Resp: 212022
Ion Ratio Lower Upper
152 100
115 54.9 39.0 117.0
150 155.0 0.0 351.0



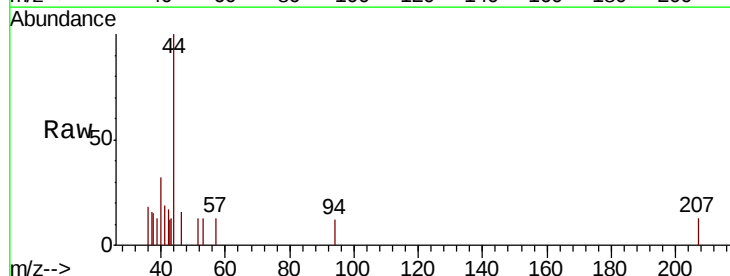
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



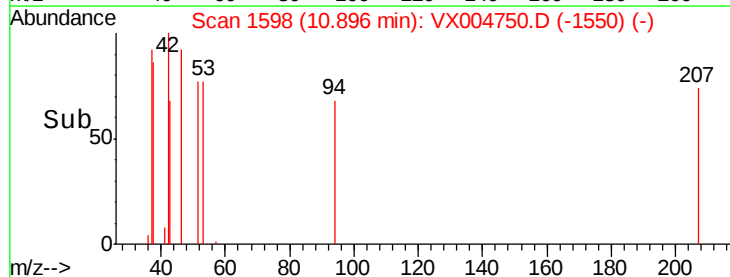
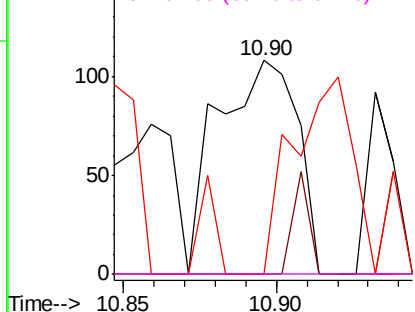
#74

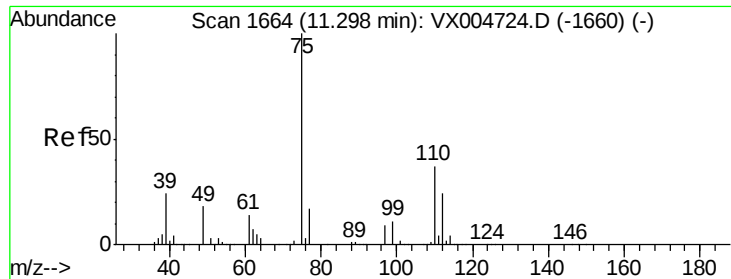
N-ethyl acetate
Concen: 1.774 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX004750.D
Acq: 27 Sep 2018 03:45

Tgt Ion: 43 Resp: 196
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#



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

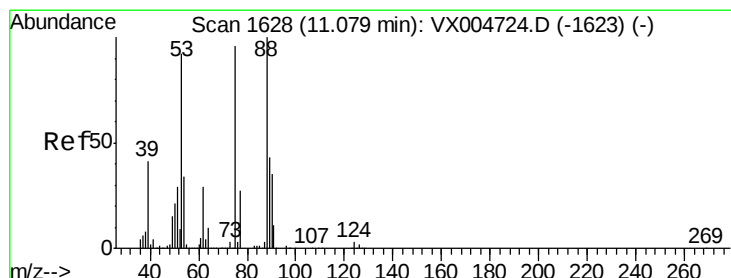
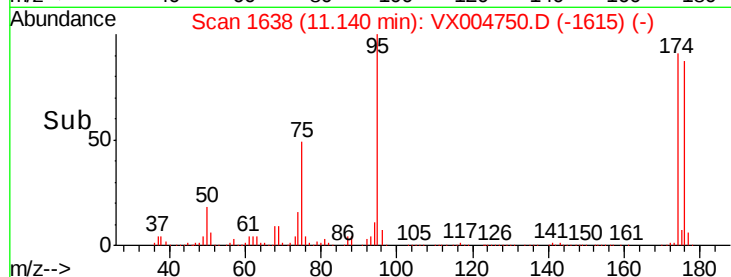
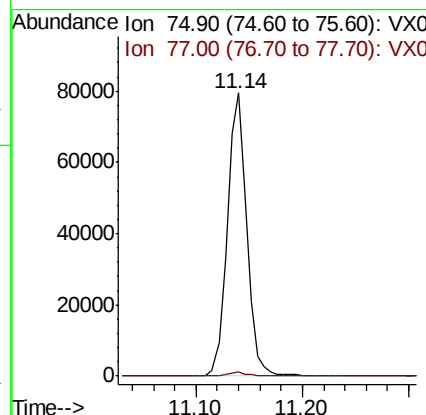
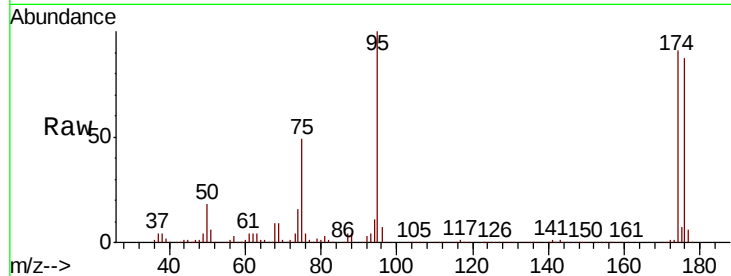




#76
 1,2,3-Trichloropropane
 Concen: 21.278 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004750.D
 Acq: 27 Sep 2018 03:45

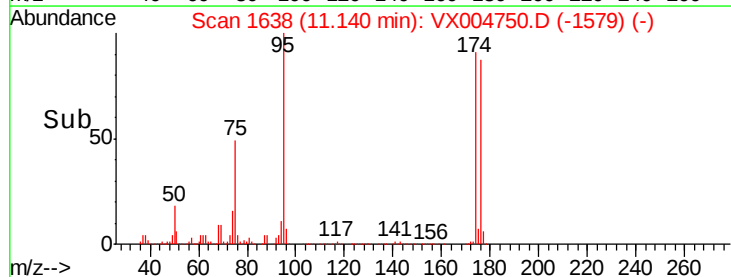
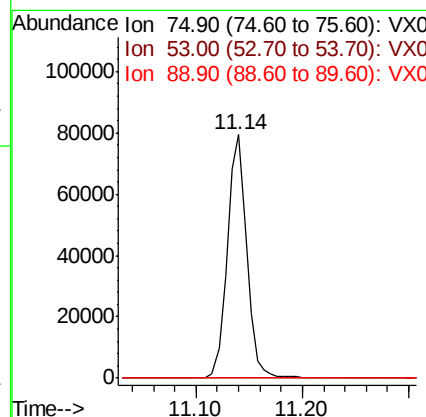
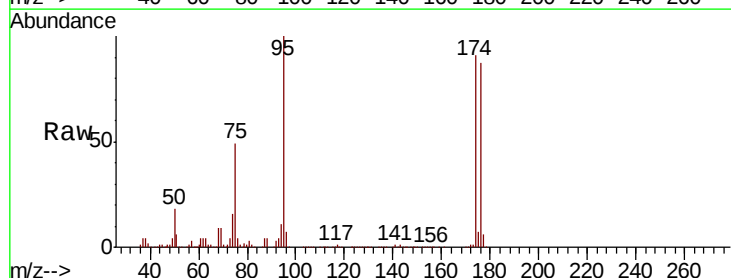
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-9-9.0-092018

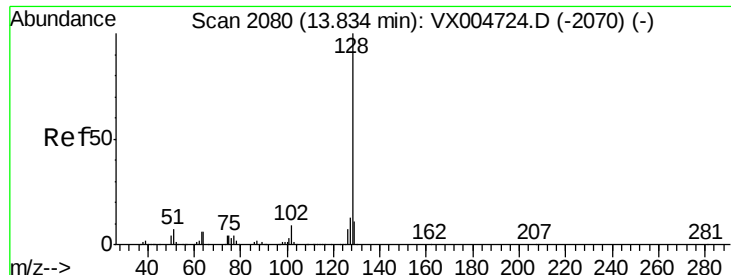
Tot Ion: 75 Resp: 101117
 Ion Ratio Lower Upper
 75 100
 77 1.5 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.714 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004750.D
 Acq: 27 Sep 2018 03:45

Tgt Ion: 75 Resp: 101117
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

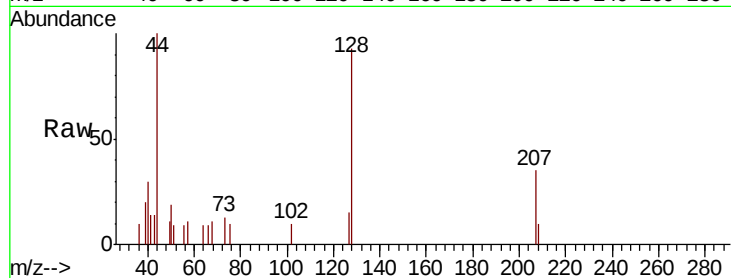




#95
Naphthalene
Concen: 0.756 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004750.D
Acq: 27 Sep 2018 03:45

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-9-9.0-092018

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.2	15.2
129	3.1	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

