

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004748.D
 Acq On : 27 Sep 2018 02:51
 Operator : JC/MD
 Sample : J5029-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-7-9.0-092018

Quant Time: Sep 27 05:22:55 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	290110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	428698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208229	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	5.51	113	180486	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	8.72	98	606394	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.14	95	221027	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

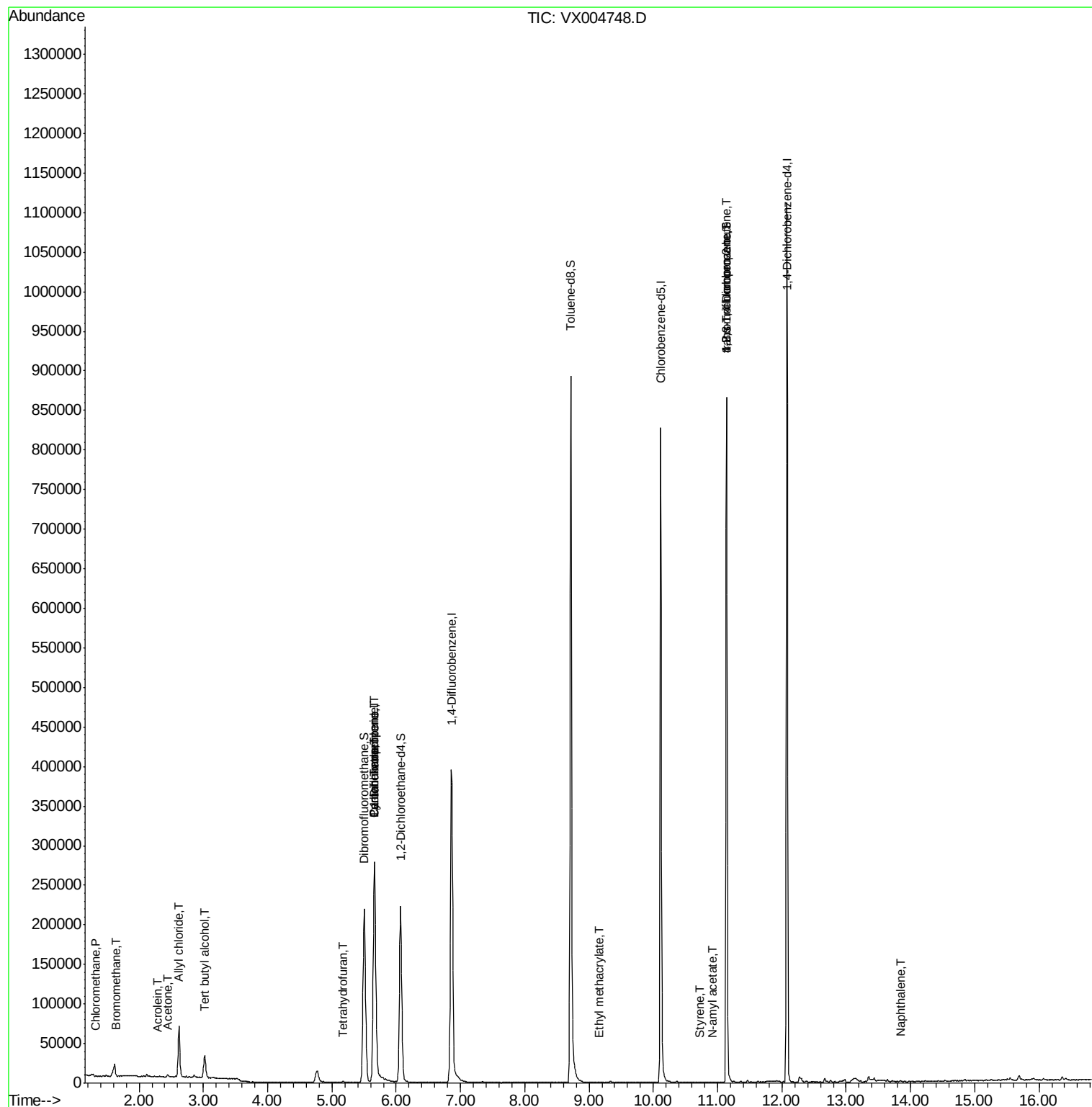
					Qvalue	
3) Chloromethane	1.32	50	1018	0.212	ug/l	94
5) Bromomethane	1.64	94	1194	0.447	ug/l	93
6) Chloroethane	1.78	64	4976	Below Cal	#	49
11) Tert butyl alcohol	3.02	59	17562	15.156	ug/l #	76
13) Acrolein	2.29	56	269	0.326	ug/l #	56
14) Allyl chloride	2.62	41	6566	0.957	ug/l #	67
16) Acetone	2.45	43	3398	1.404	ug/l	97
20) Methylene Chloride	2.85	84	1501	Below Cal	#	92
29) Tetrahydrofuran	5.17	42	1005	0.453	ug/l #	77
31) Cyclohexane	5.67	56	5010	0.950	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20105	4.056	ug/l #	41
38) Carbon Tetrachloride	5.67	117	24905	4.779	ug/l #	15
56) Ethyl methacrylate	9.16	69	20	2.865	ug/l #	1
70) Styrene	10.73	104	131	2.152	ug/l	96
74) N-amyl acetate	10.92	43	90	1.759	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	109246	21.301	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	197	Below Cal	#	62
81) trans-1,4-Dichloro-2-buten	11.14	75	109246	57.774	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	273	Below Cal		67
95) Naphthalene	13.83	128	955	0.769	ug/l #	91

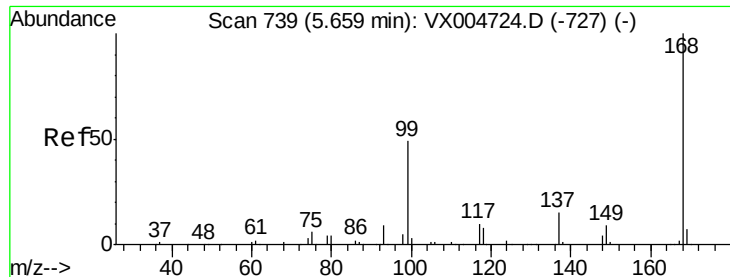
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 740

Delta R.T. 0.01 min

Lab File: VX004748.D

Acq: 27 Sep 2018 02:51

Instrument :

MSVOA_X

ClientSampleId :

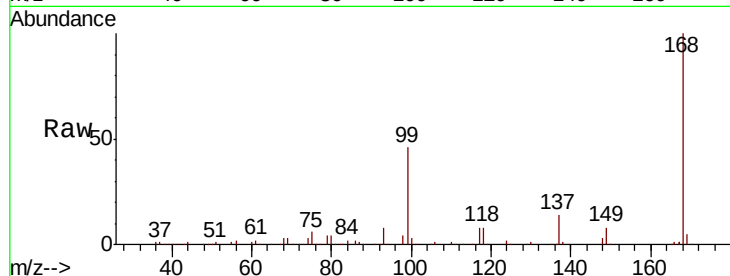
T11-MW-7-9.0-092018

Tot Ion:168 Resp: 290110

Ion Ratio Lower Upper

168 100

99 46.4 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

120000

100000

80000

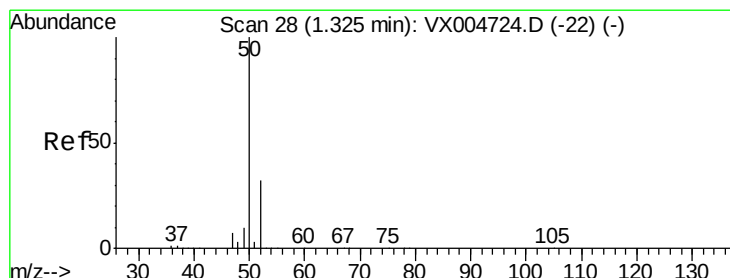
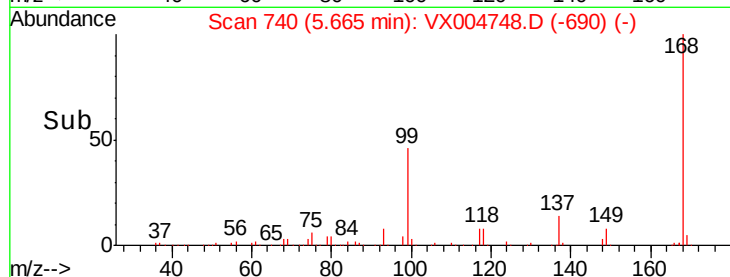
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004748.D

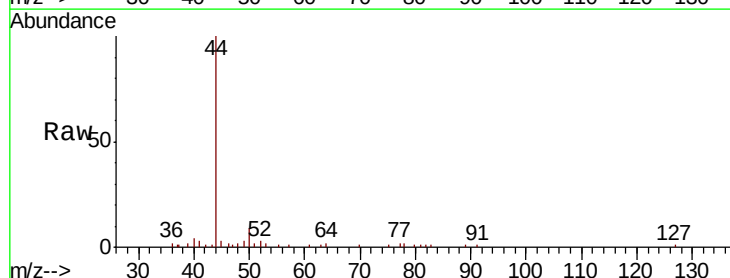
Acq: 27 Sep 2018 02:51

Tgt Ion: 50 Resp: 1018

Ion Ratio Lower Upper

50 100

52 36.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

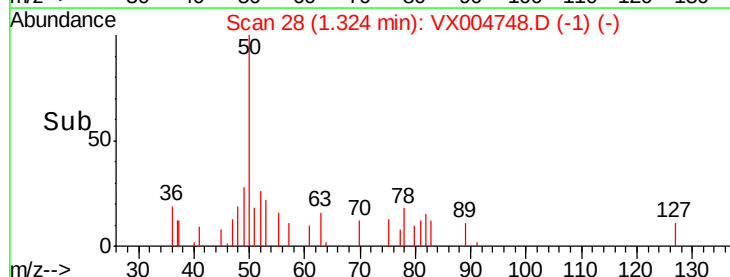
300

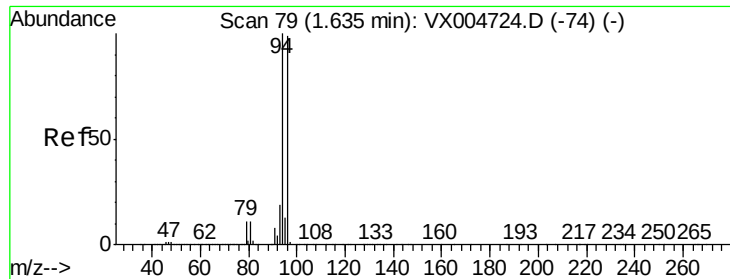
200

100

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.447 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004748.D

Acq: 27 Sep 2018 02:51

Instrument :

MSVOA_X

ClientSampleId :

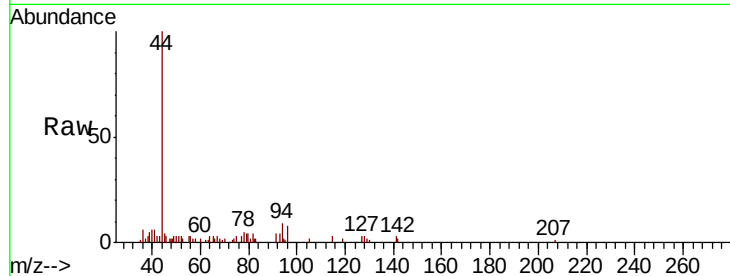
T11-MW-7-9.0-092018

Tot Ion: 94 Resp: 1194

Ion Ratio Lower Upper

94 100

96 86.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

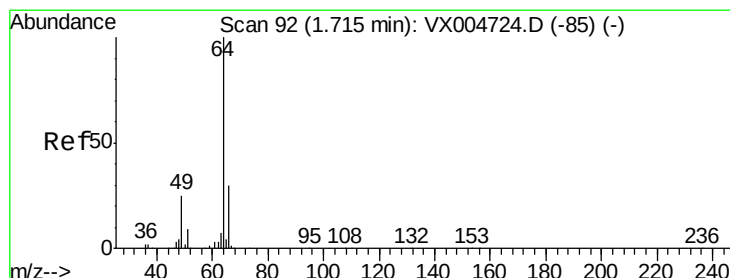
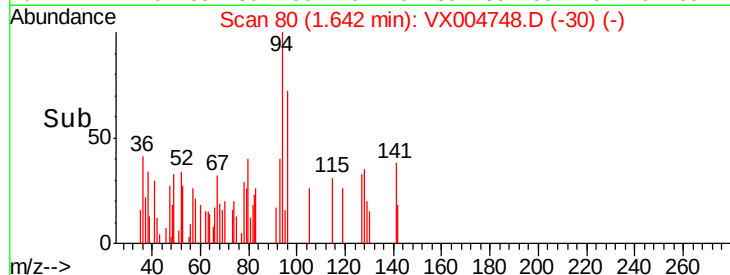
200

100

0

1.55 1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX004748.D

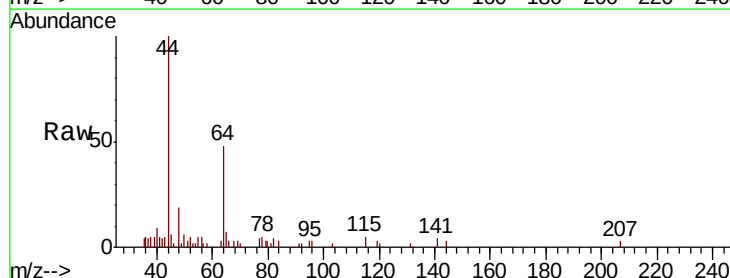
Acq: 27 Sep 2018 02:51

Tgt Ion: 64 Resp: 4976

Ion Ratio Lower Upper

64 100

66 2.8 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.78

1500

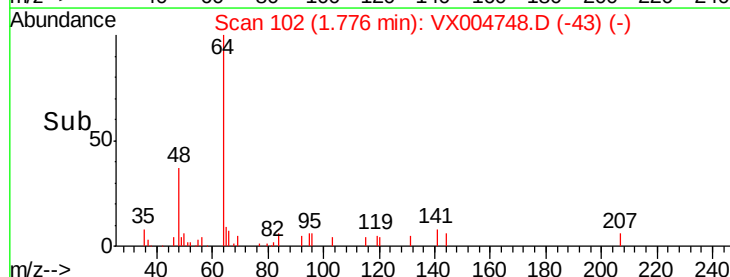
1000

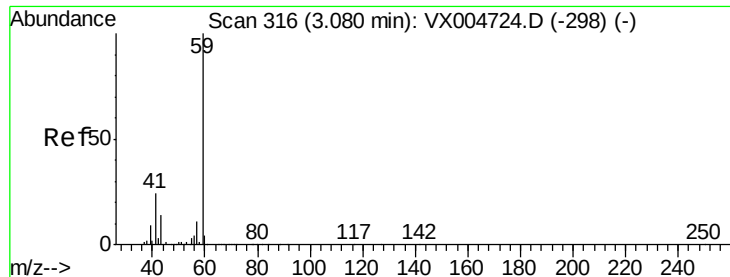
500

0

1.65 1.70 1.75 1.80

Time-->



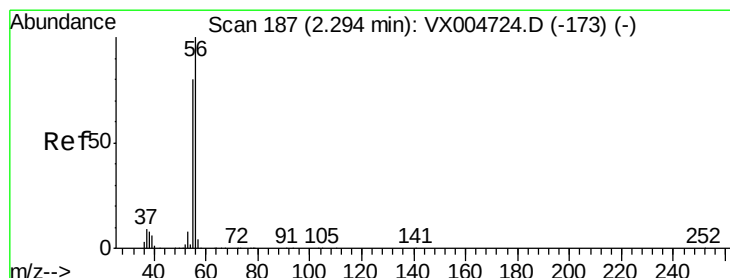
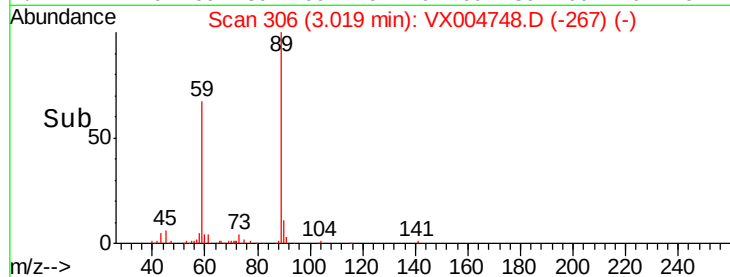
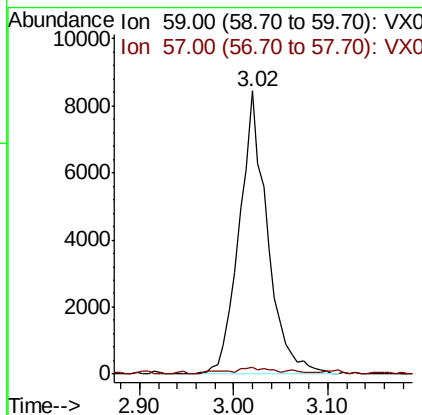
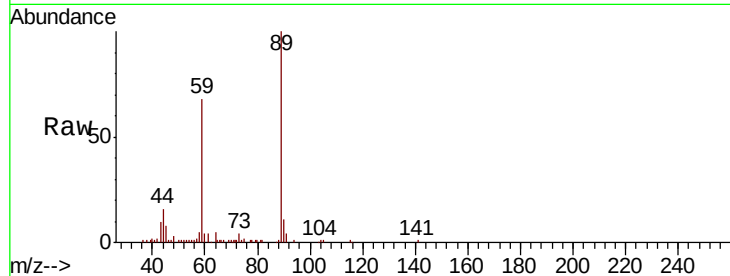


#11

Tert butyl alcohol
 Concen: 15.156 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX004748.D
 Acq: 27 Sep 2018 02:51

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-7-9.0-092018

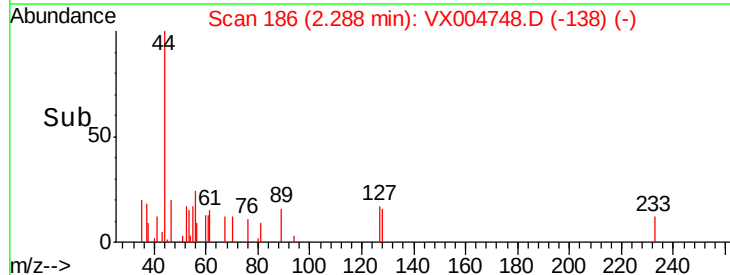
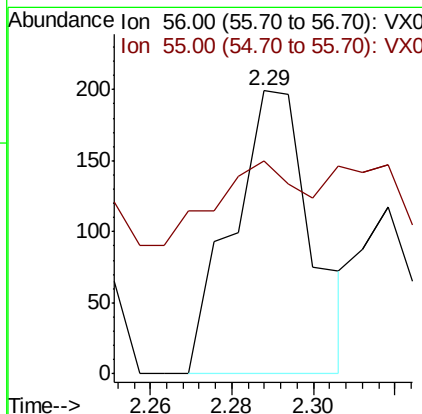
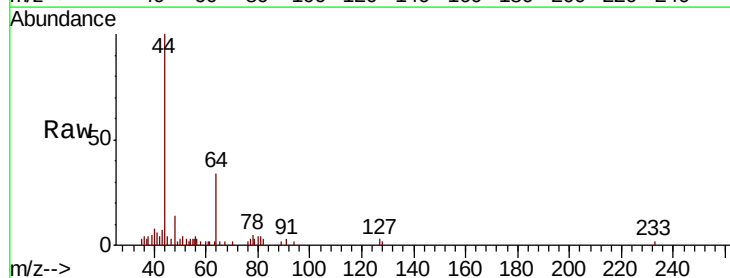
Tot Ion: 59 Resp: 17562
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.2 12.4#

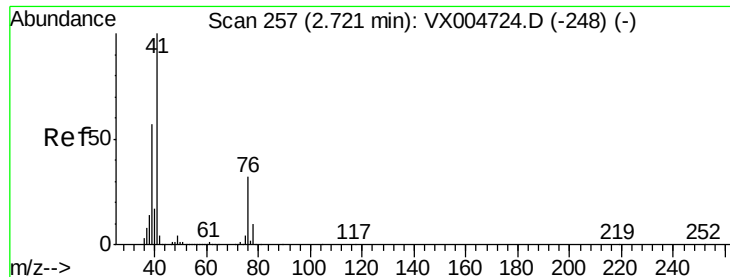


#13

Acrolein
 Concen: 0.326 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX004748.D
 Acq: 27 Sep 2018 02:51

Tgt Ion: 56 Resp: 269
 Ion Ratio Lower Upper
 56 100
 55 32.3 54.7 82.1#

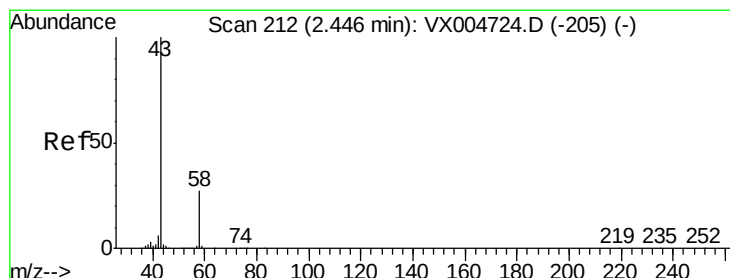
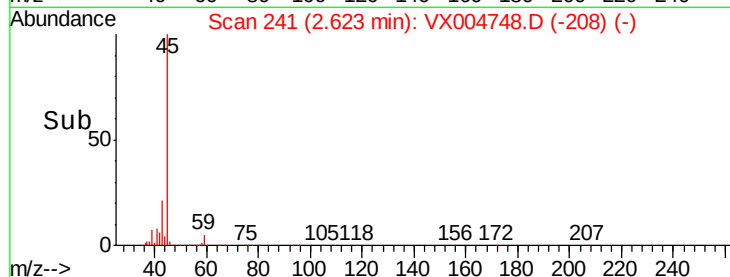
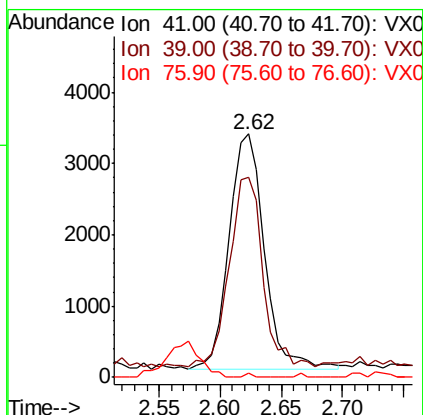
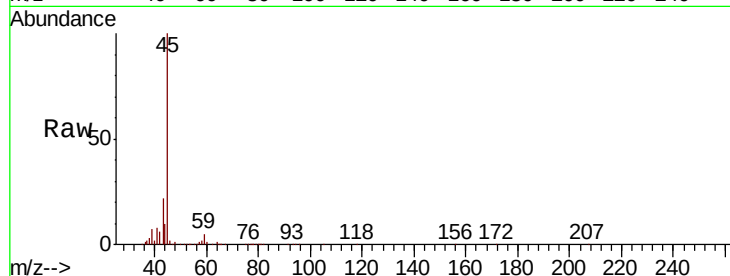




#14
Allvl chloride
Concen: 0.957 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.10 min
Lab File: VX004748.D
Acq: 27 Sep 2018 02:51

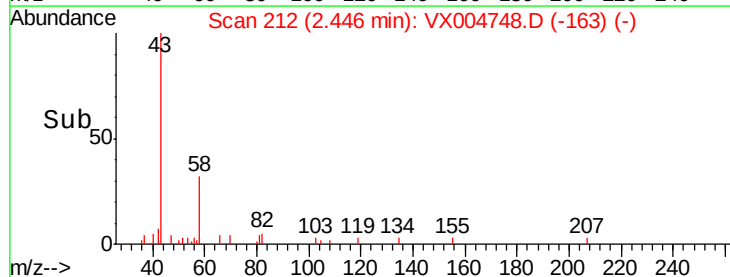
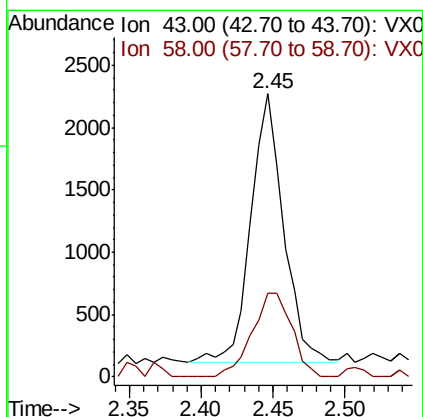
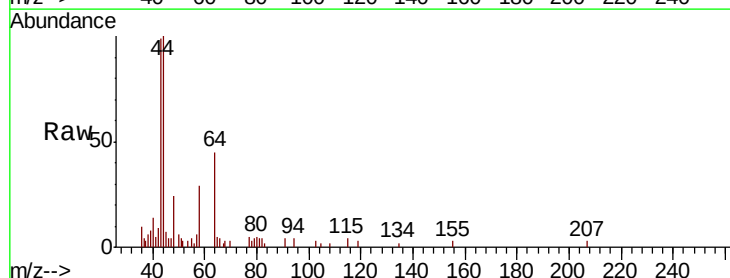
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-7-9.0-092018

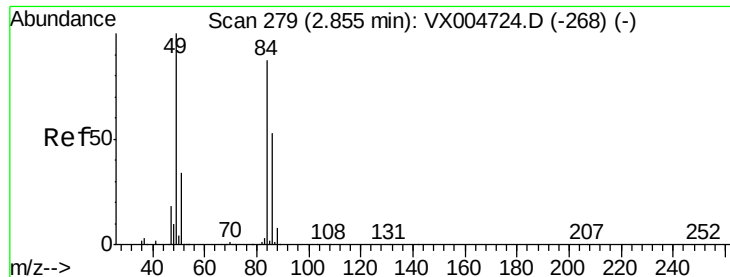
Tot Ion: 41 Resp: 6566
Ion Ratio Lower Upper
41 100
39 75.9 48.9 73.3#
76 0.0 26.7 40.1#



#16
Acetone
Concen: 1.404 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX004748.D
Acq: 27 Sep 2018 02:51

Tgt Ion: 43 Resp: 3398
Ion Ratio Lower Upper
43 100
58 31.4 26.2 39.4

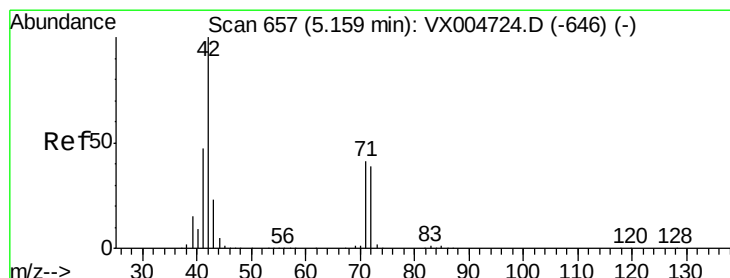
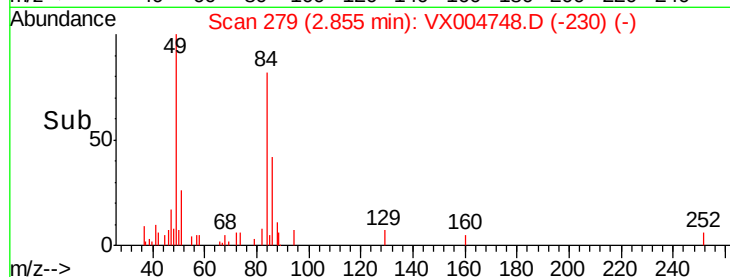
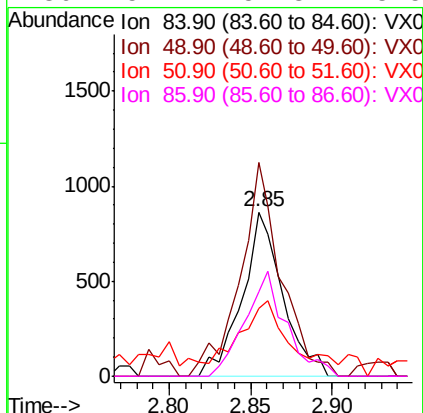
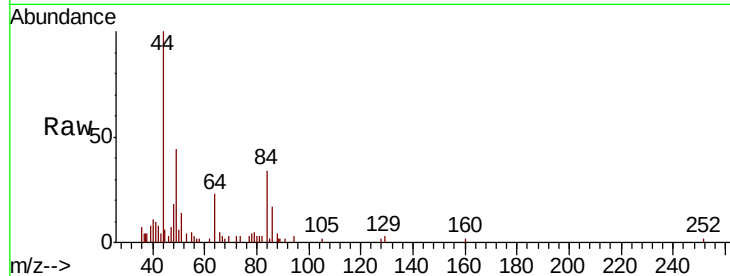




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004748.D
Acq: 27 Sep 2018 02:51

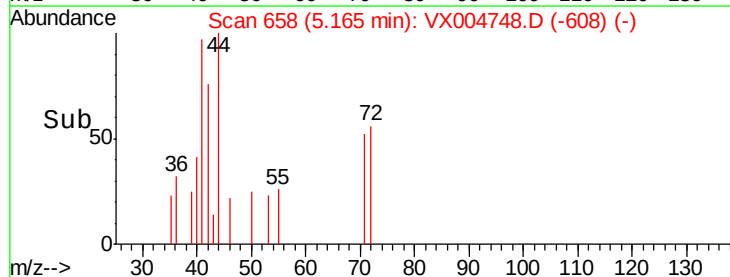
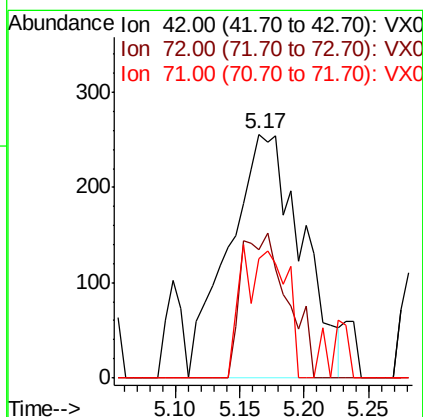
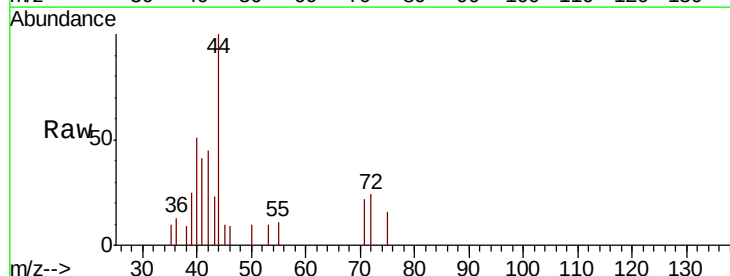
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-7-9.0-092018

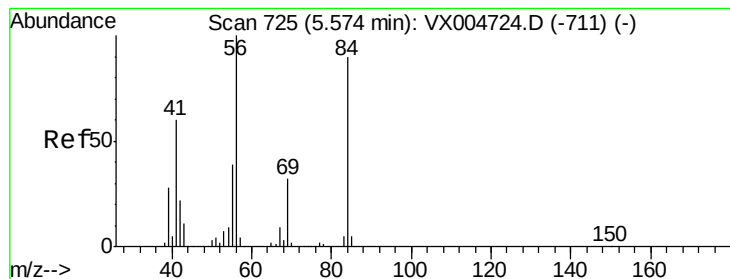
Tot Ion: 84 Resp: 1501
Ion Ratio Lower Upper
84 100
49 129.9 101.2 151.8
51 34.0 29.5 44.3
86 51.1 52.3 78.5#



#29
Tetrahydrofuran
Concen: 0.453 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX004748.D
Acq: 27 Sep 2018 02:51

Tgt Ion: 42 Resp: 1005
Ion Ratio Lower Upper
42 100
72 37.5 37.4 56.0
71 21.6 34.5 51.7#





#31

Cyclohexane

Concen: 0.950 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004748.D

Acq: 27 Sep 2018 02:51

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-7-9.0-092018

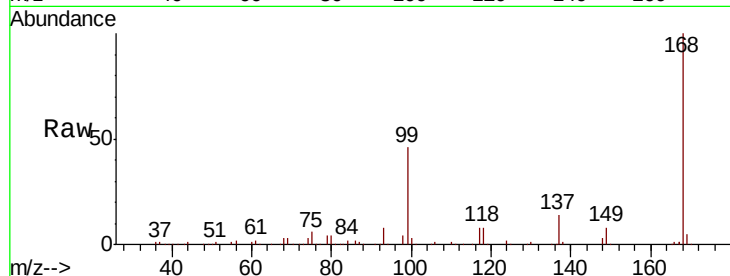
Tot Ion: 56 Resp: 5010

Ion Ratio Lower Upper

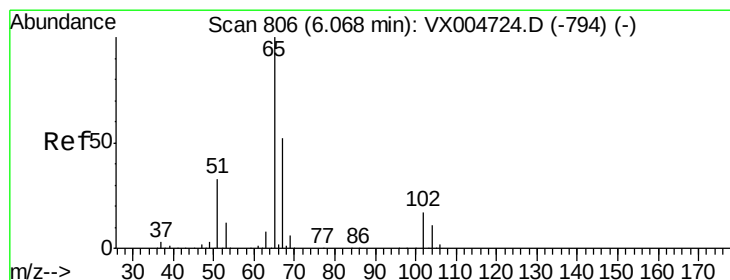
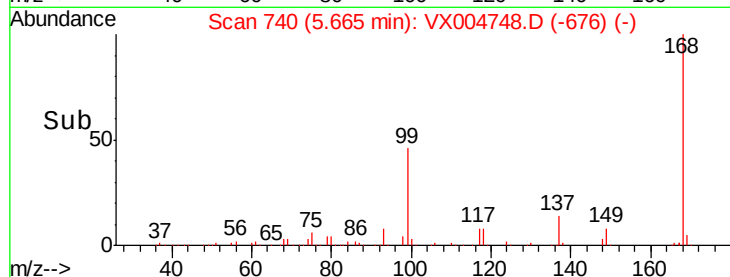
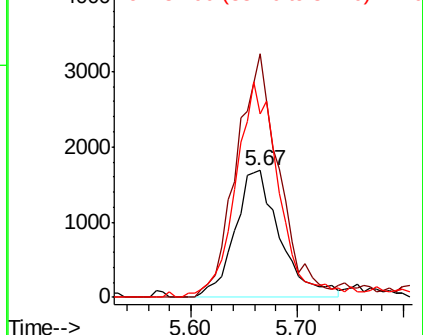
56 100

69 192.3 25.4 38.2#

84 141.4 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: 50.246 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004748.D

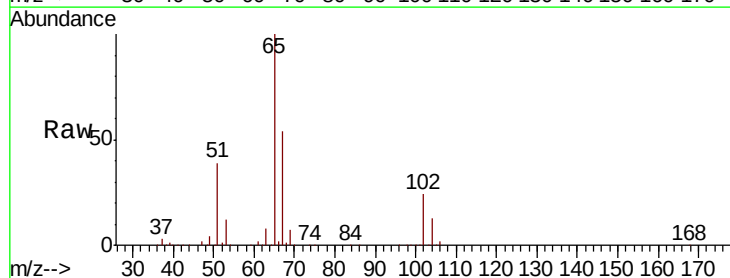
Acq: 27 Sep 2018 02:51

Tgt Ion: 65 Resp: 208229

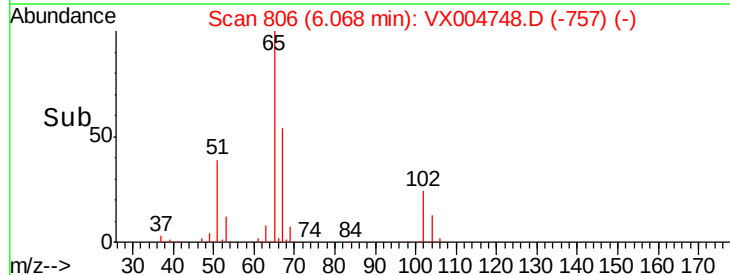
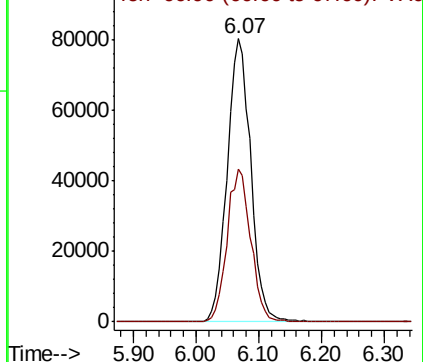
Ion Ratio Lower Upper

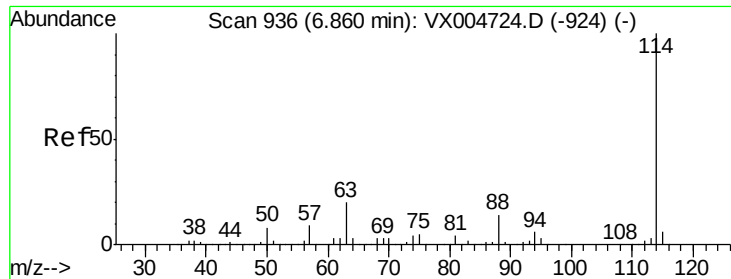
65 100

67 54.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

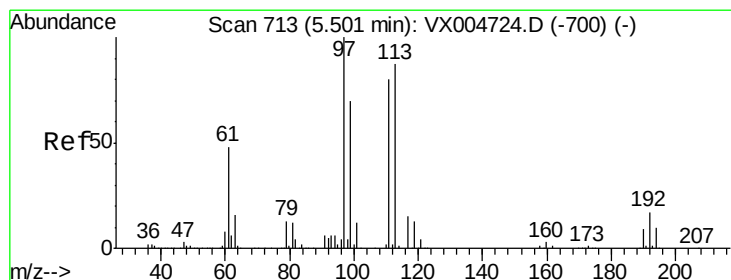
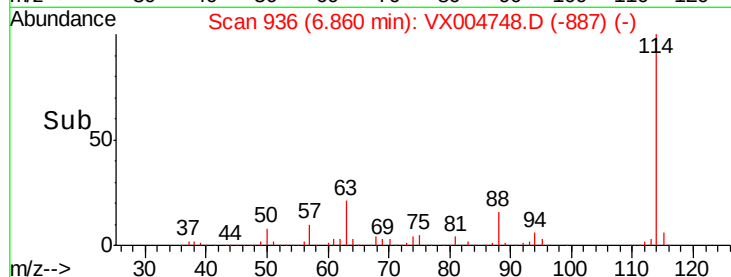
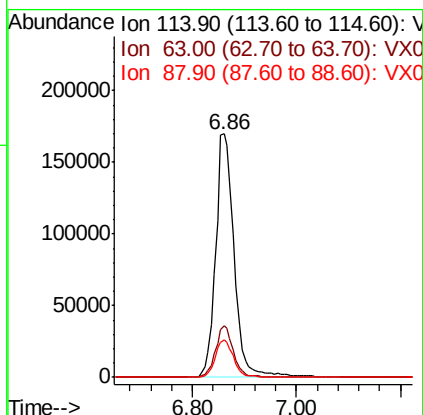
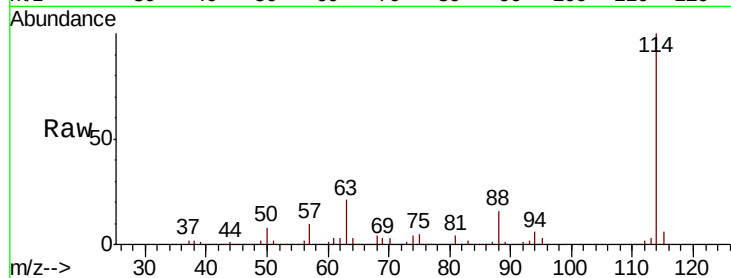




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004748.D
 Acq: 27 Sep 2018 02:51

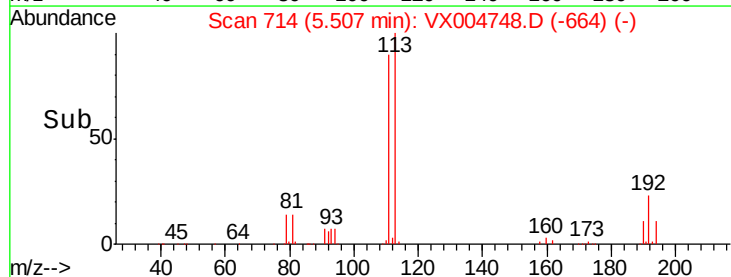
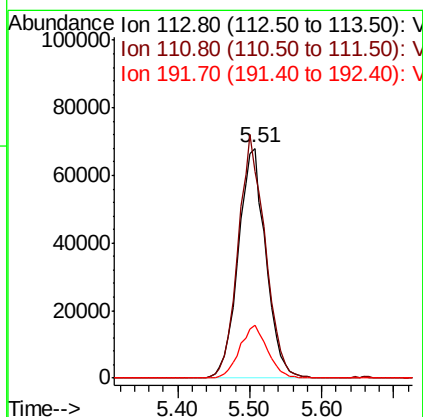
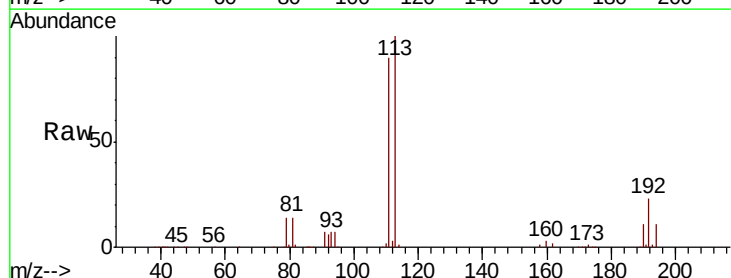
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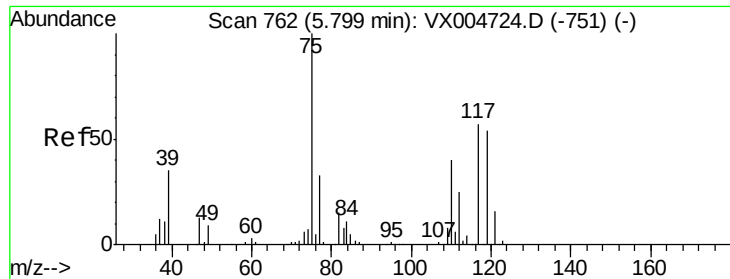
Tot Ion:114 Resp: 428698
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.0
 88 15.5 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 49.676 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004748.D
 Acq: 27 Sep 2018 02:51

Tgt Ion:113 Resp: 180486
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.4 123.6
 192 23.2 19.4 29.2

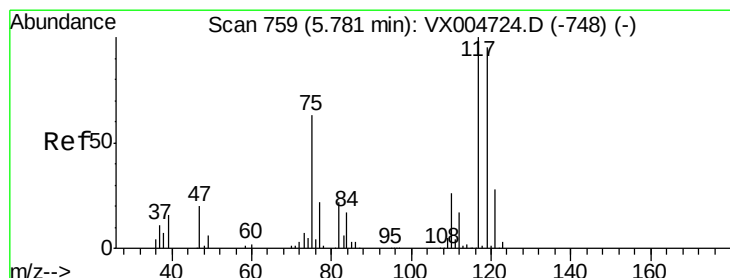
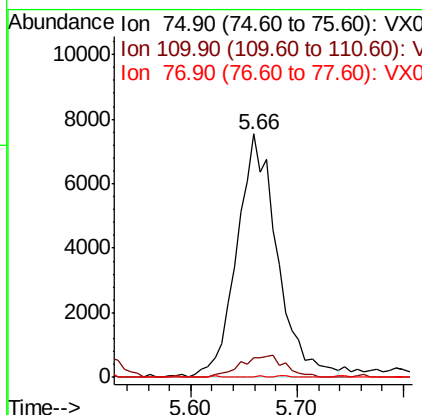
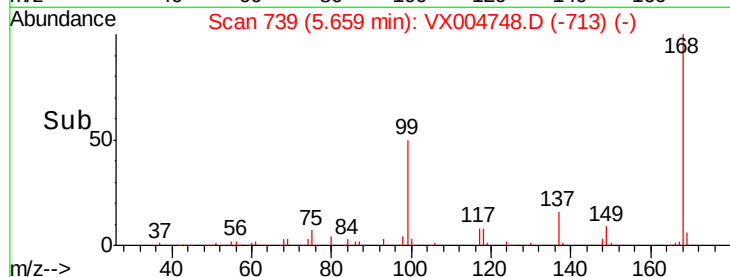
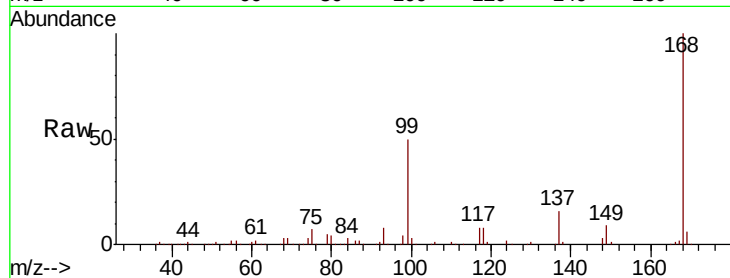




#36
 1,1-Dichloropropene
 Concen: 4.056 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004748.D
 Acq: 27 Sep 2018 02:51

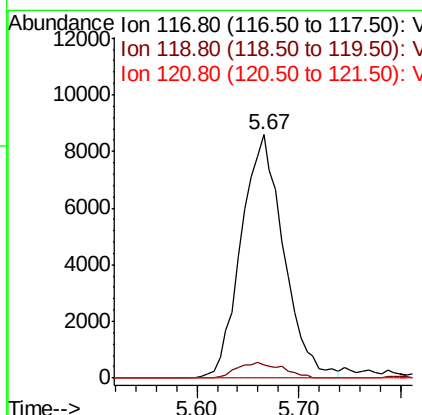
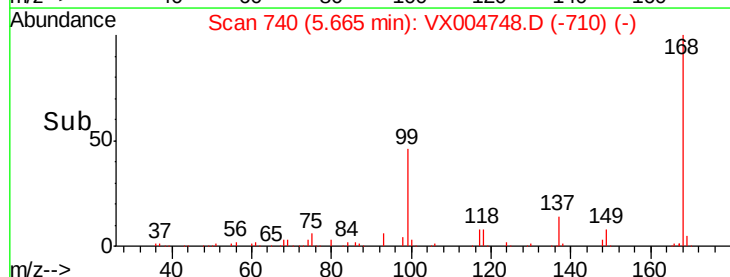
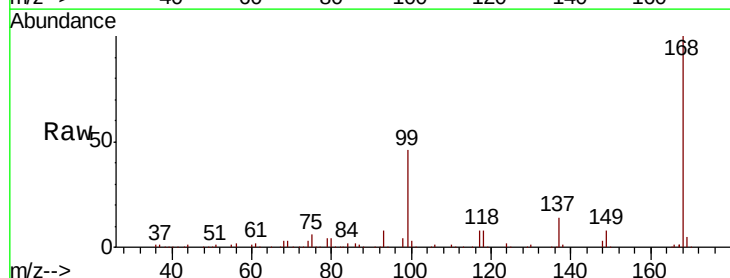
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-7-9.0-092018

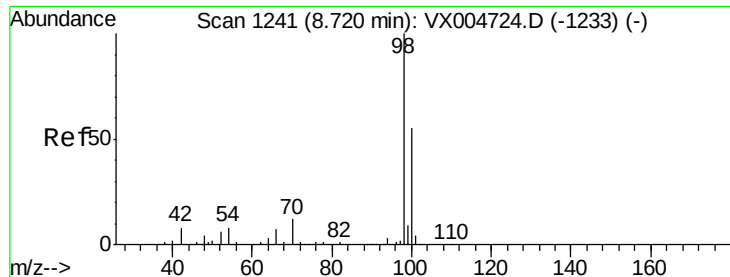
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.0	54.0#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 4.779 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004748.D
 Acq: 27 Sep 2018 02:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	78.8	118.2#
121	0.0	24.9	37.3#

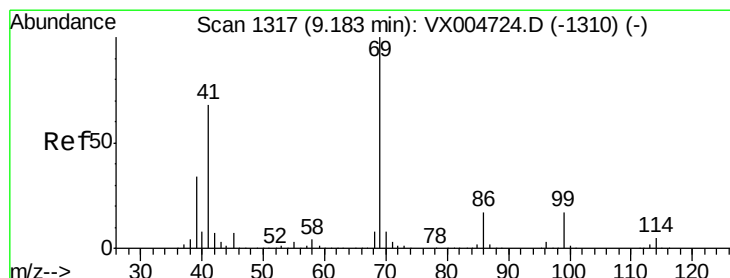
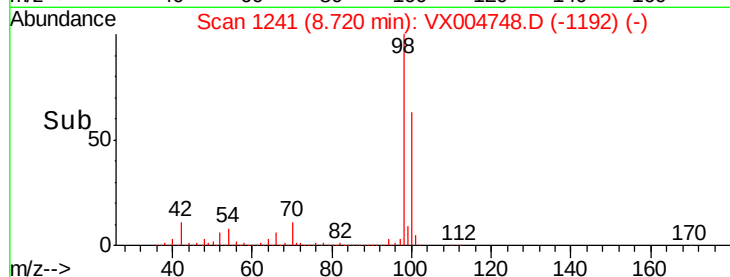
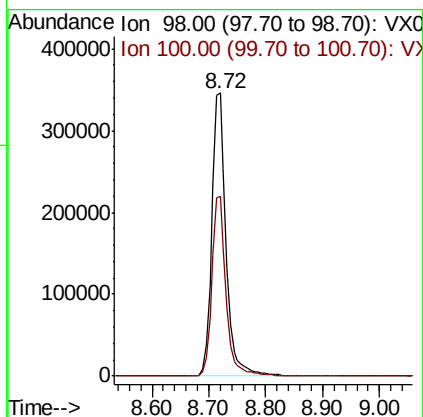
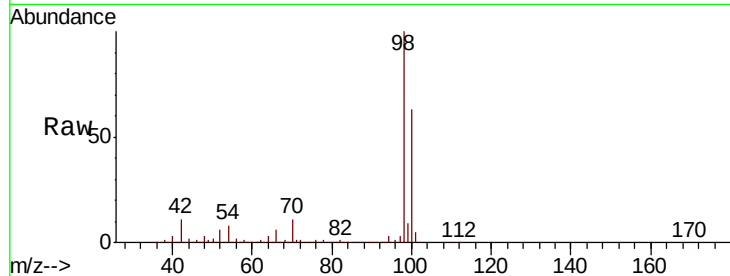




#50
Toluene-d8
Concen: 50.203 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004748.D
Acq: 27 Sep 2018 02:51

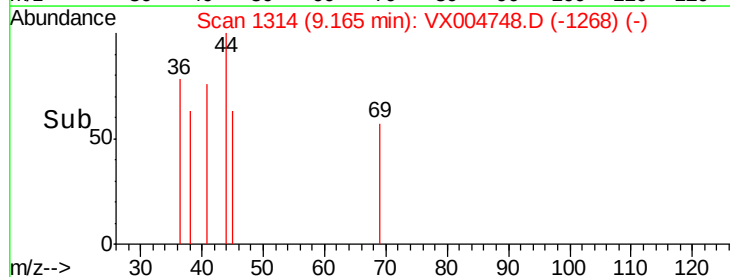
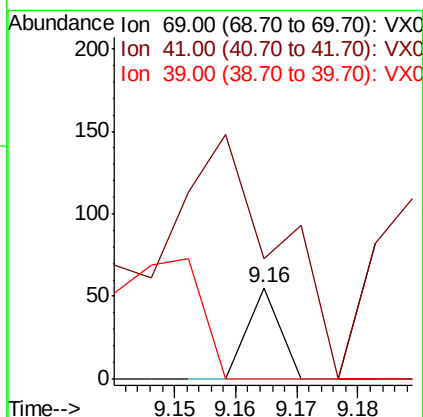
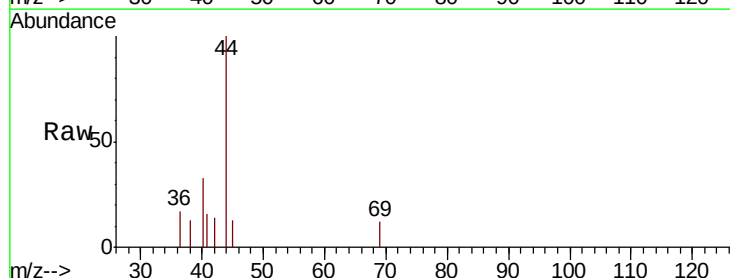
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-7-9.0-092018

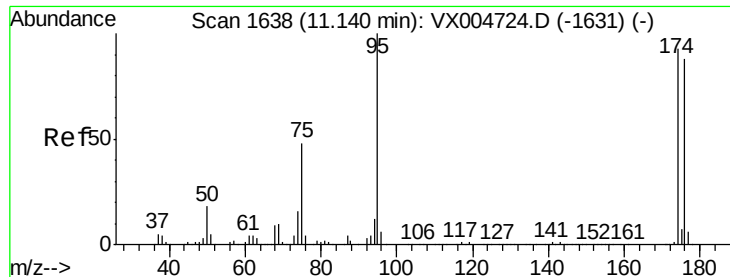
Tot Ion: 98 Resp: 606394
Ion Ratio Lower Upper
98 100
100 63.2 52.9 79.3



#56
Ethyl methacrylate
Concen: 2.865 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VX004748.D
Acq: 27 Sep 2018 02:51

Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 1115.0 51.0 76.4#
39 0.0 26.1 39.1#

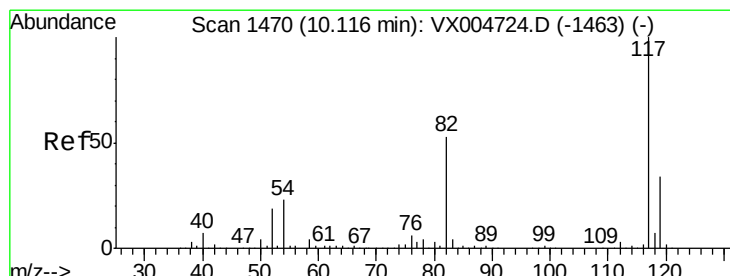
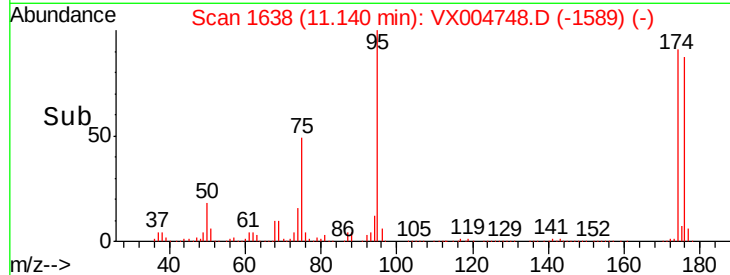
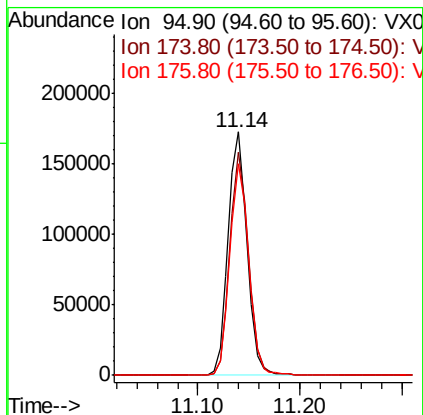
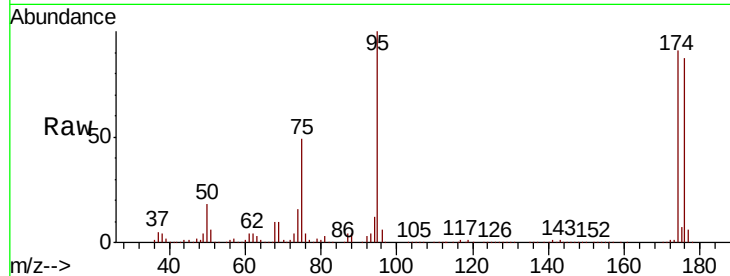




#62
4-Bromofluorobenzene
Concen: 50.794 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004748.D
Acq: 27 Sep 2018 02:51

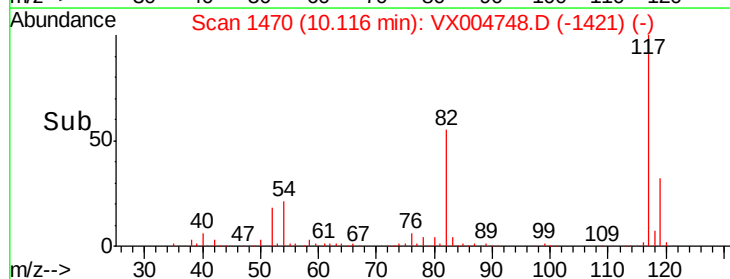
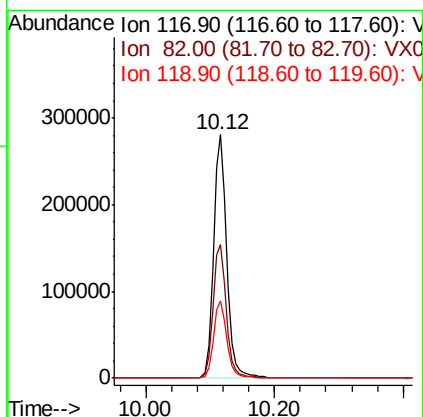
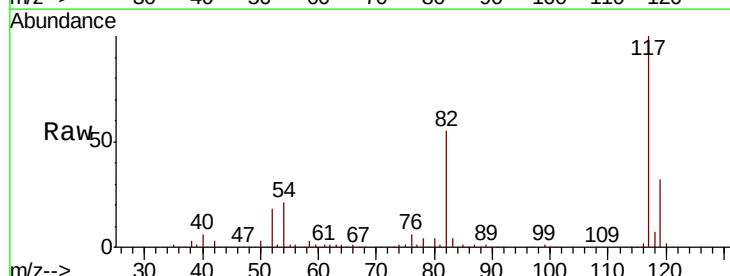
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-7-9.0-092018

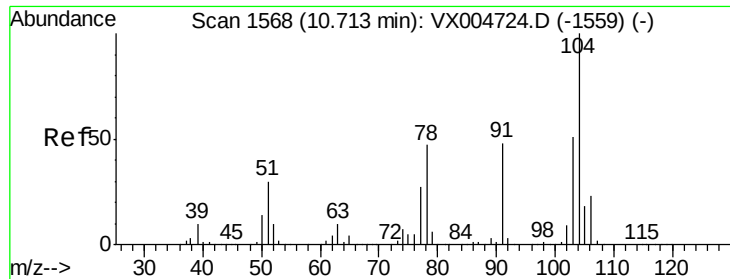
Tot Ion: 95 Resp: 221027
Ion Ratio Lower Upper
95 100
174 90.6 0.0 185.2
176 87.1 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004748.D
Acq: 27 Sep 2018 02:51

Tgt Ion: 117 Resp: 403309
Ion Ratio Lower Upper
117 100
82 55.0 47.8 71.6
119 31.9 29.3 43.9

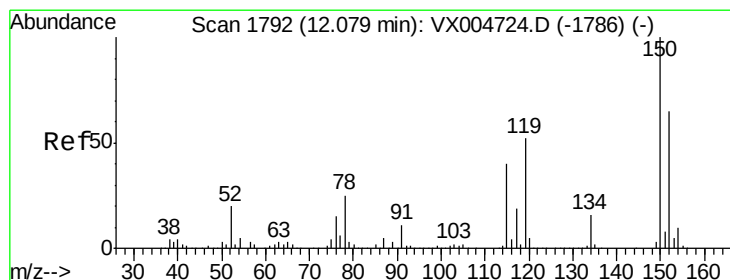
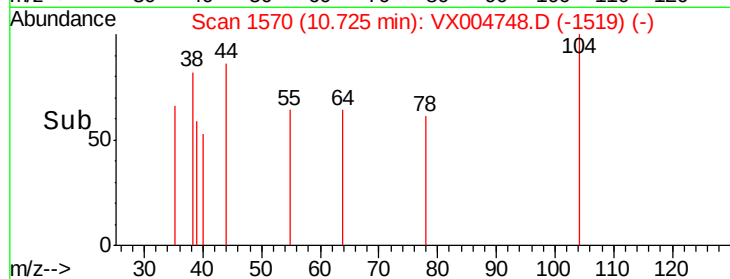
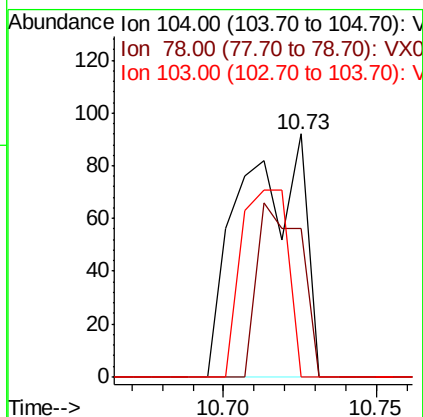
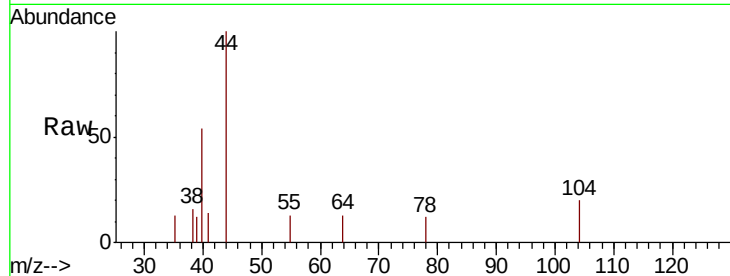




#70
Stvrene
Concen: 2.152 ug/l
RT: 10.73 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VX004748.D
Acq: 27 Sep 2018 02:51

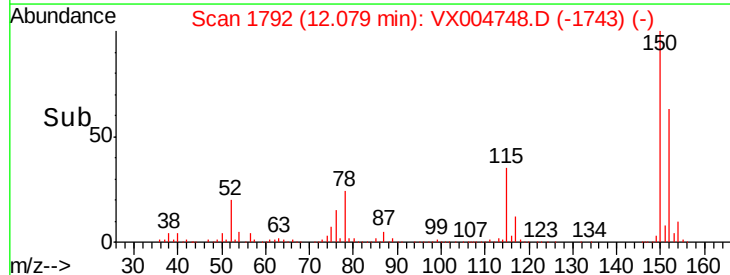
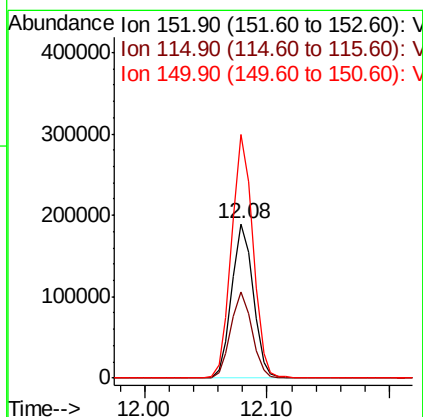
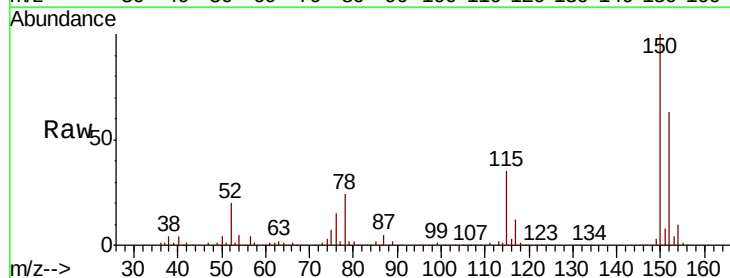
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-7-9.0-092018

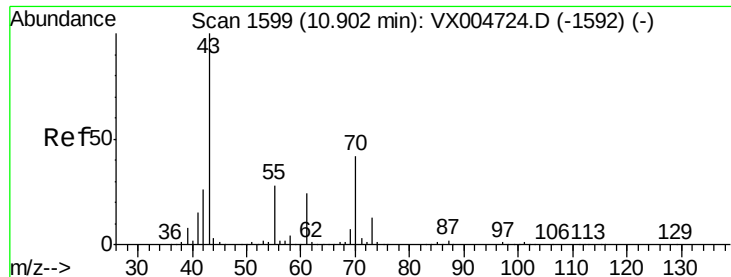
Tot Ion:104 Resp: 131
Ion Ratio Lower Upper
104 100
78 49.6 37.4 56.0
103 57.3 43.8 65.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004748.D
Acq: 27 Sep 2018 02:51

Tgt Ion:152 Resp: 228820
Ion Ratio Lower Upper
152 100
115 55.5 39.0 117.0
150 156.8 0.0 351.0





#74

N-amvl acetate

Concen: 1.759 ug/l

RT: 10.92 min Scan# 1602

Delta R.T. 0.02 min

Lab File: VX004748.D

Acq: 27 Sep 2018 02:51

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-7-9.0-092018

Tot Ion: 43 Resp: 90

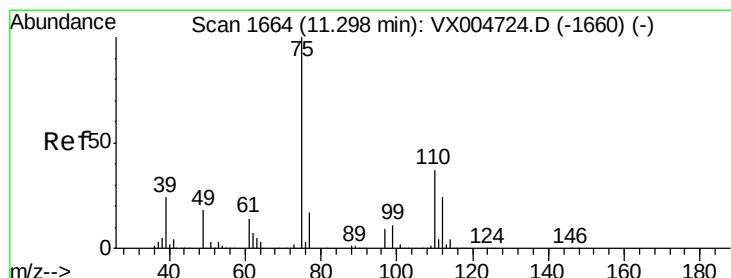
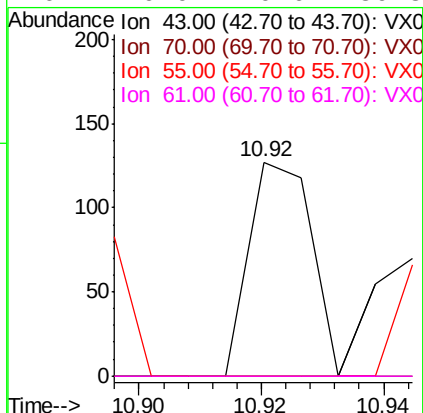
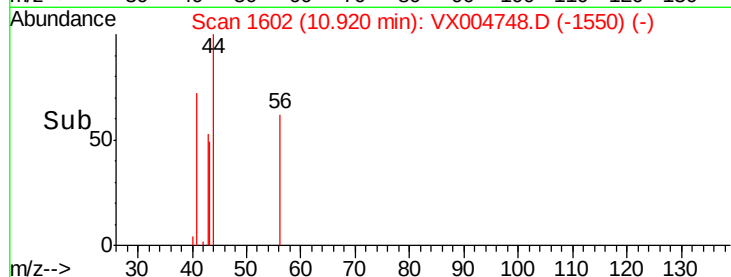
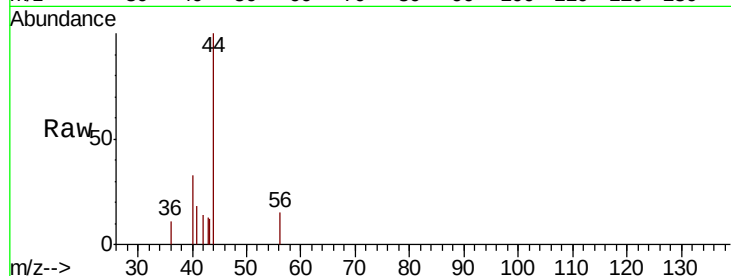
Ion Ratio Lower Upper

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: 21.301 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004748.D

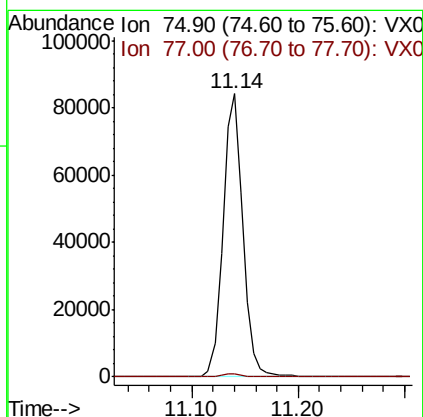
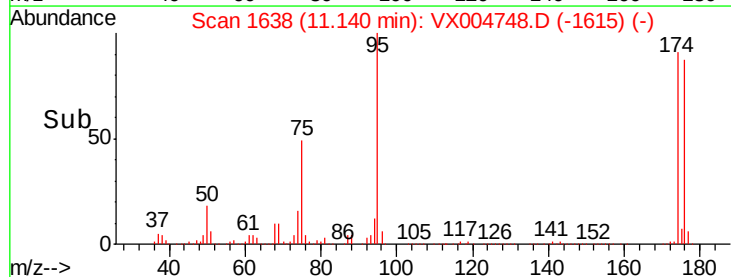
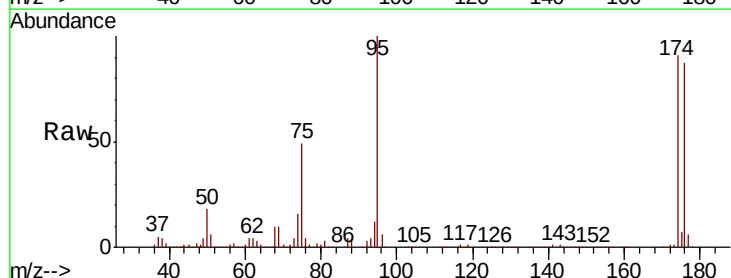
Acq: 27 Sep 2018 02:51

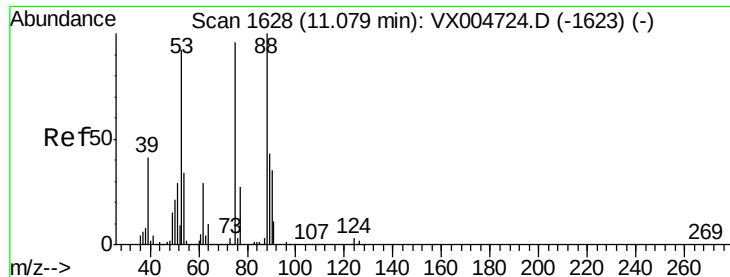
Tgt Ion: 75 Resp: 109246

Ion Ratio Lower Upper

75 100

77 1.2 20.2 60.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 57.774 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004748.D

Acq: 27 Sep 2018 02:51

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-7-9.0-092018

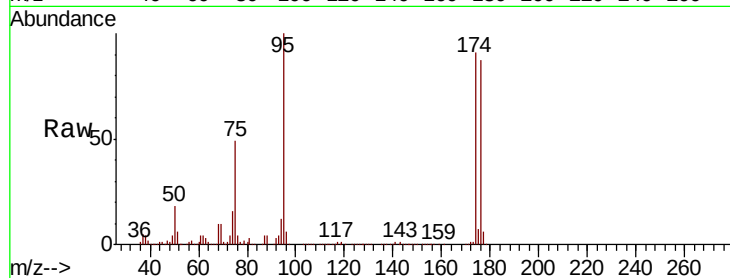
Tot Ion: 75 Resp: 109246

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

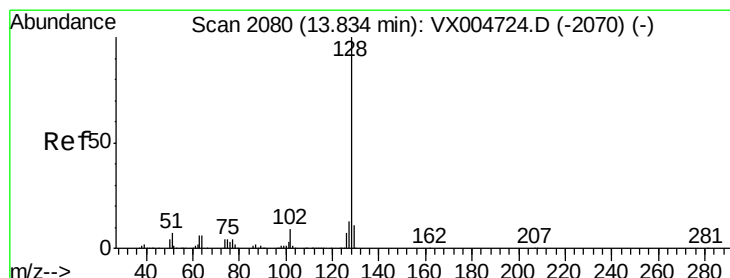
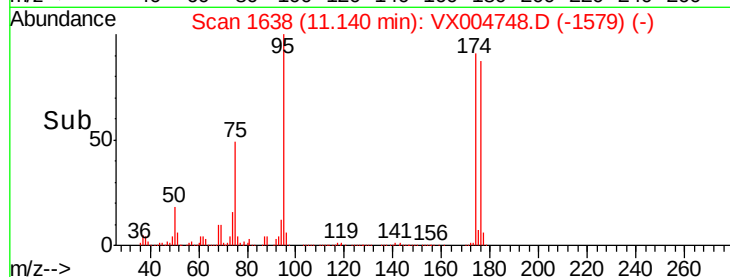
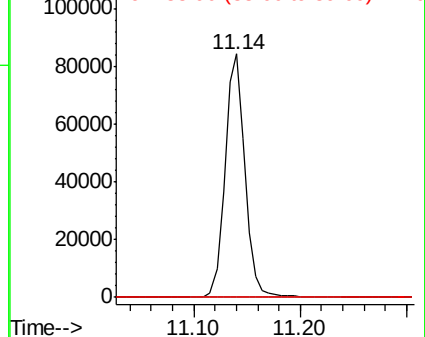
89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 0.769 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004748.D

Acq: 27 Sep 2018 02:51

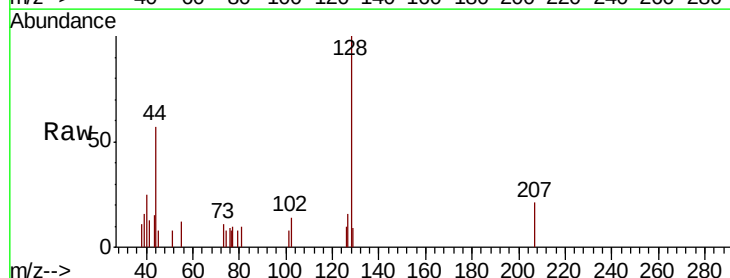
Tgt Ion: 128 Resp: 955

Ion Ratio Lower Upper

128 100

127 14.9 10.2 15.2

129 6.0 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

