

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004749.D
 Acq On : 27 Sep 2018 03:18
 Operator : JC/MD
 Sample : J5029-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-2-8.0-092018

Quant Time: Sep 27 05:23:12 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	305375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	433133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231897	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	213630	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	5.51	113	187351	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
50) Toluene-d8	8.71	98	605900	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.14	95	223015	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	

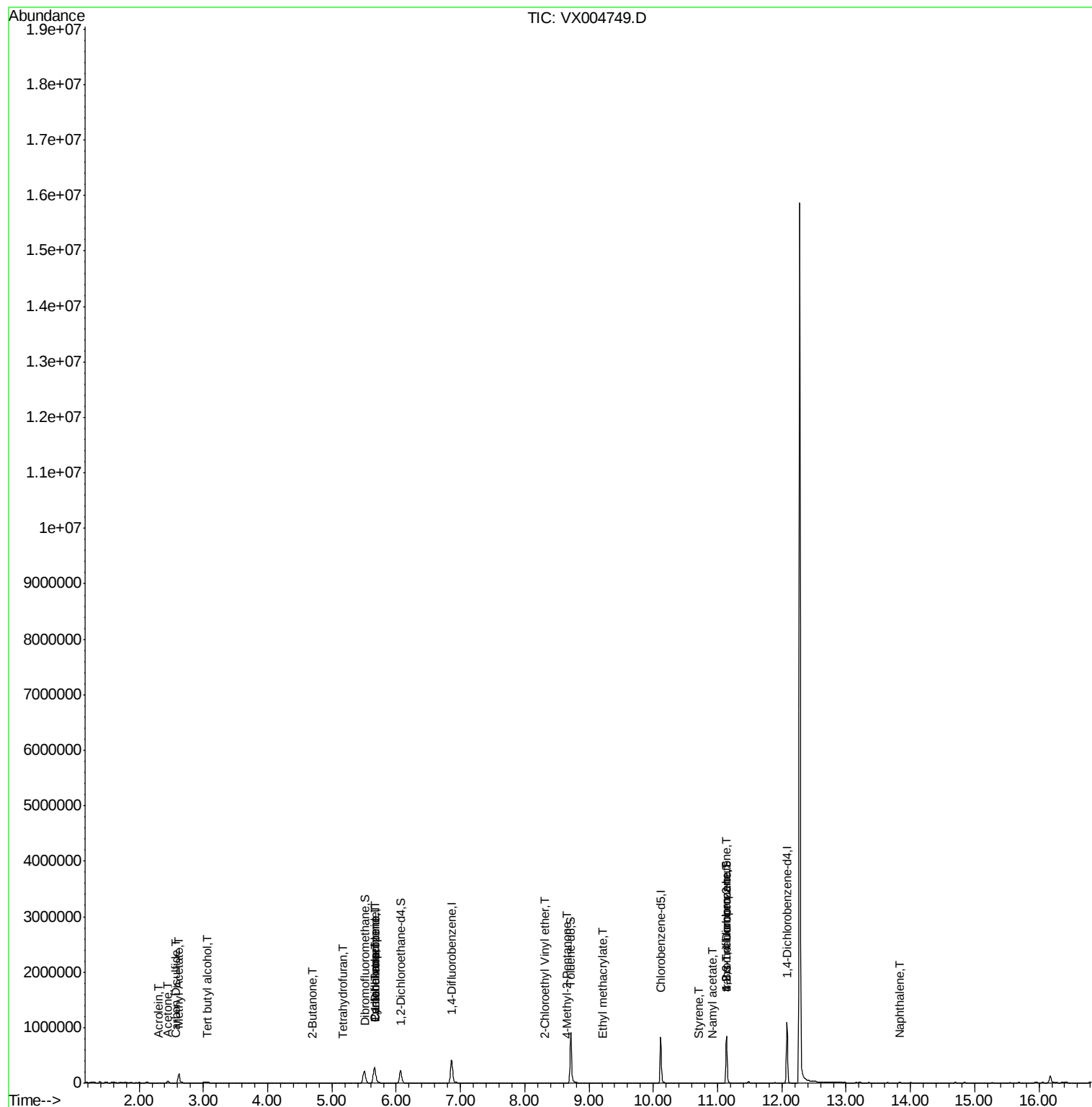
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	4354	Below Cal	#	48
11) Tert butyl alcohol	3.07	59	11086	9.089	ug/l #	93
13) Acrolein	2.29	56	683	0.787	ug/l #	16
16) Acetone	2.45	43	26947	10.581	ug/l	90
17) Carbon Disulfide	2.57	76	2010	0.202	ug/l #	93
18) Methyl Acetate	2.62	43	43524	6.745	ug/l #	51
20) Methylene Chloride	2.86	84	845	Below Cal	#	68
25) 2-Butanone	4.70	43	5700	1.518	ug/l	95
29) Tetrahydrofuran	5.17	42	604	0.259	ug/l #	34
31) Cyclohexane	5.67	56	5231	0.942	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19265	3.847	ug/l #	49
38) Carbon Tetrachloride	5.66	117	25717	4.885	ug/l #	15
51) 4-Methyl-2-Pentanone	8.65	43	2655	0.439	ug/l	89
56) Ethyl methacrylate	9.22	69	308	2.909	ug/l #	54
58) 2-Chloroethyl Vinyl ether	8.31	63	19	14.248	ug/l #	45
70) Styrene	10.71	104	321	2.168	ug/l	86
74) N-amyl acetate	10.91	43	161	1.767	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	108767	20.926	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	520	Below Cal		95
81) trans-1,4-Dichloro-2-buten	11.14	75	108767	56.792	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	1223	Below Cal		86
95) Naphthalene	13.83	128	8161	1.136	ug/l #	95

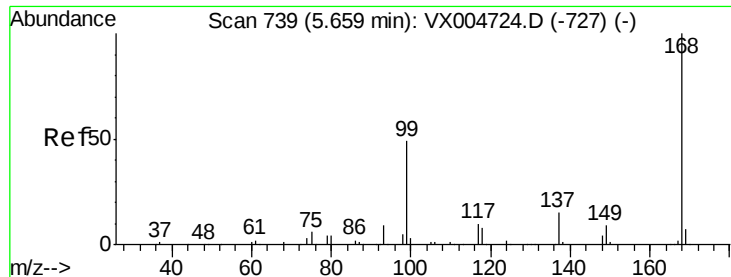
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 27 05:23:12 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# 740

Delta R.T. 0.01 min

Lab File: VX004749.D

Acq: 27 Sep 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

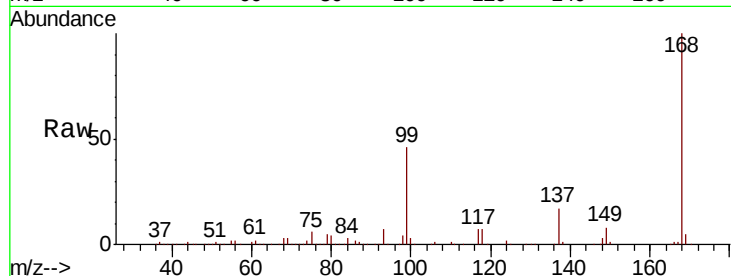
T11-MW-2-8.0-092018

Tot Ion:168 Resp: 305375

Ion Ratio Lower Upper

168 100

99 45.7 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

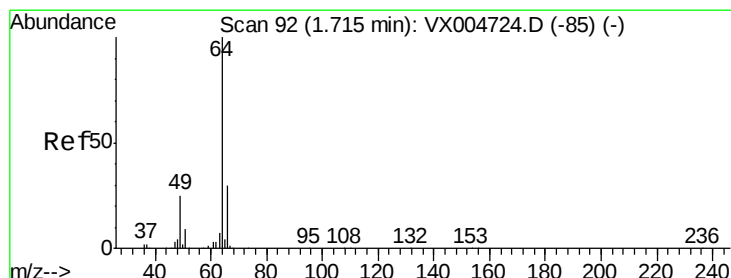
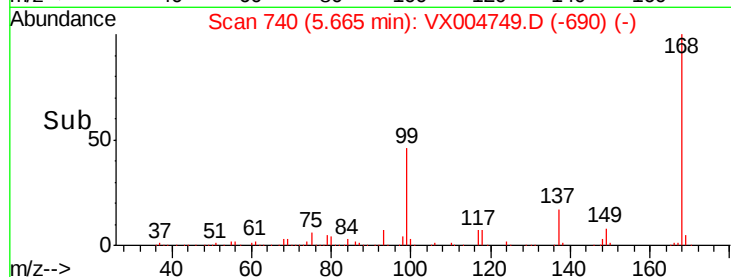
40000

20000

0

Time-->

5.60 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004749.D

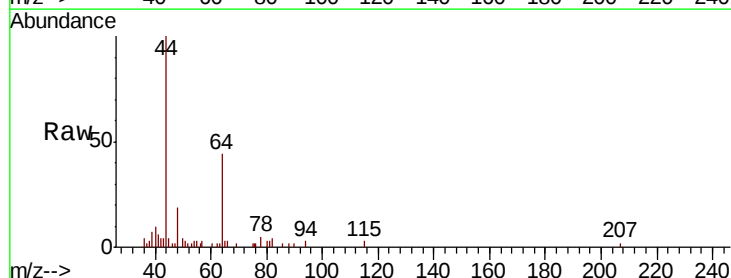
Acq: 27 Sep 2018 03:18

Tgt Ion: 64 Resp: 4354

Ion Ratio Lower Upper

64 100

66 2.4 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

1500

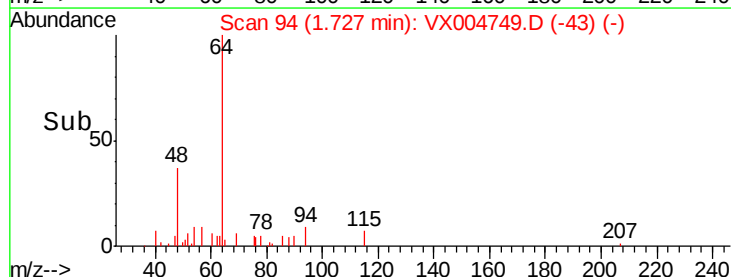
1000

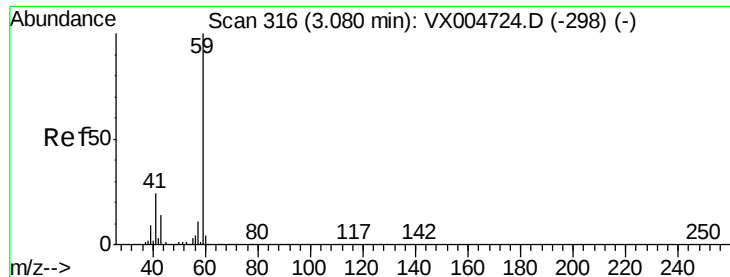
500

0

Time-->

1.65 1.70 1.75

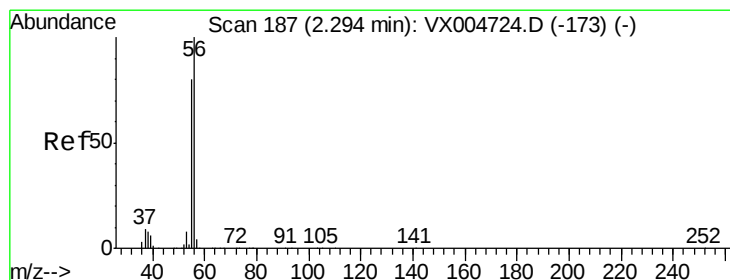
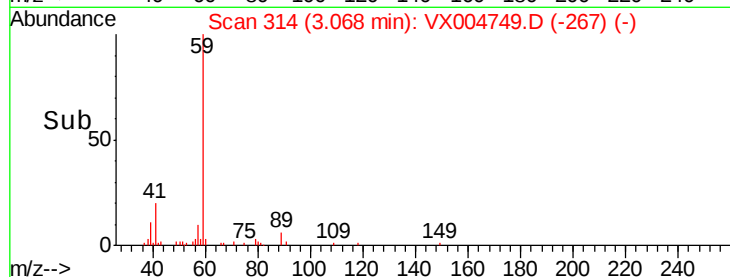
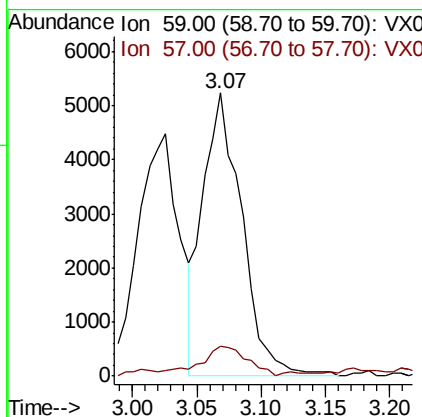
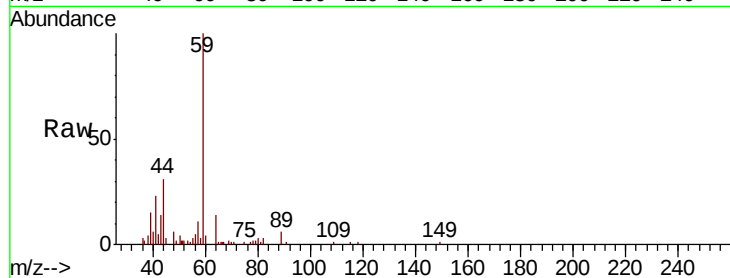




#11
Tert butyl alcohol
Concen: 9.089 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

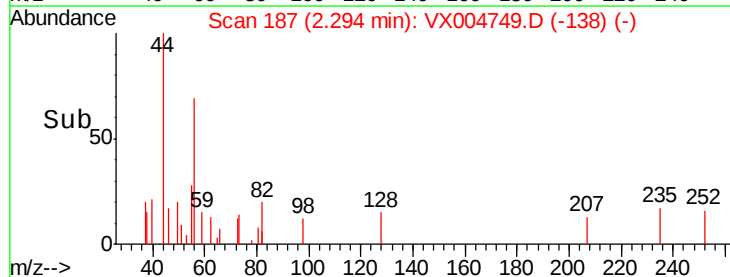
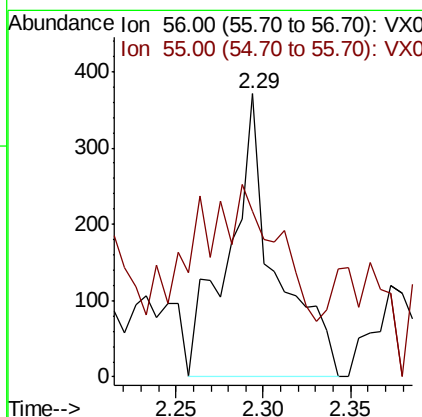
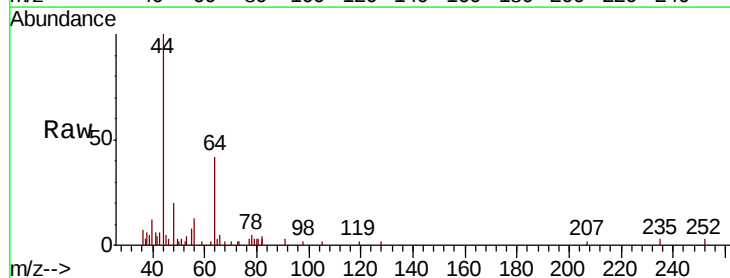
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-092018

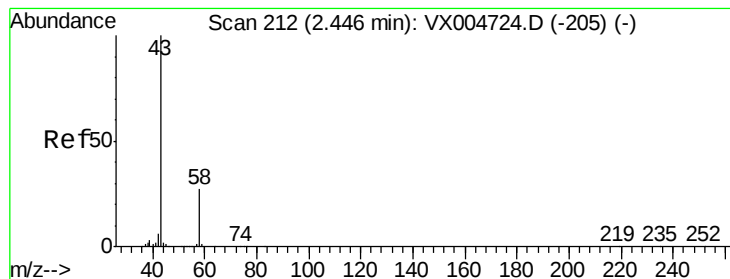
Tot Ion: 59 Resp: 11086
Ion Ratio Lower Upper
59 100
57 12.9 8.2 12.4#



#13
Acrolein
Concen: 0.787 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

Tgt Ion: 56 Resp: 683
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#





#16

Acetone

Concen: 10.581 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004749.D

Acq: 27 Sep 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

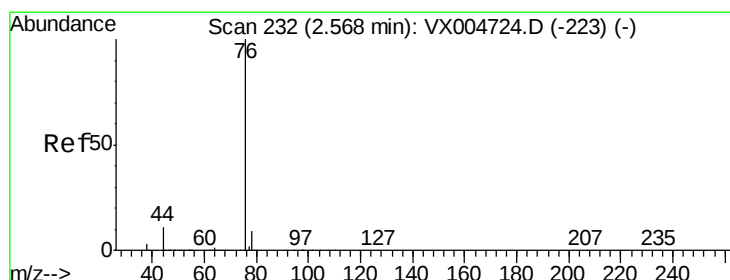
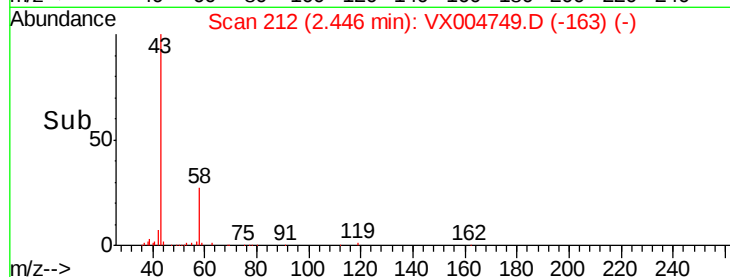
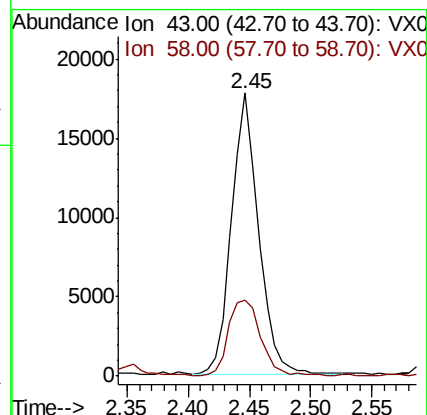
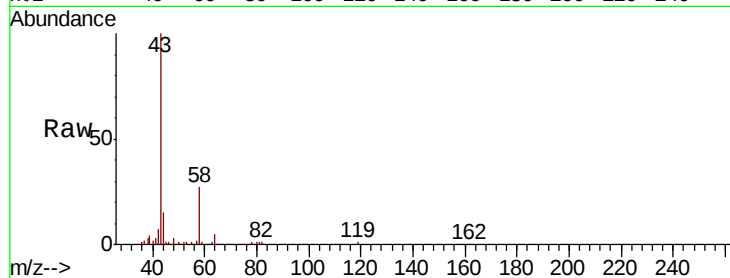
T11-MW-2-8.0-092018

Tot Ion: 43 Resp: 26947

Ion Ratio Lower Upper

43 100

58 26.9 26.2 39.4



#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004749.D

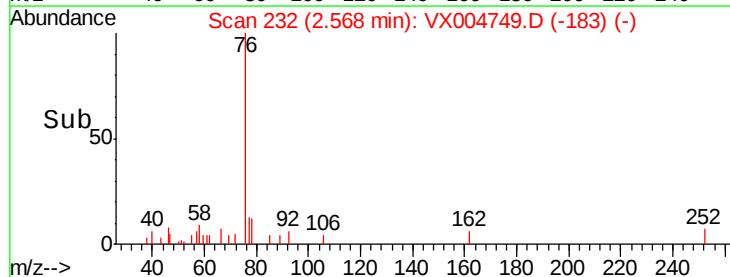
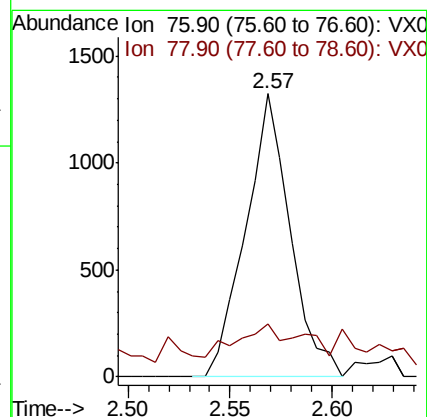
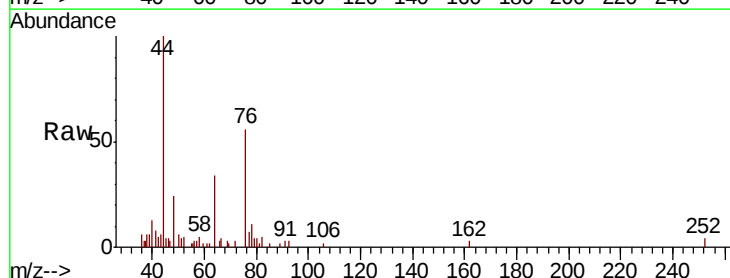
Acq: 27 Sep 2018 03:18

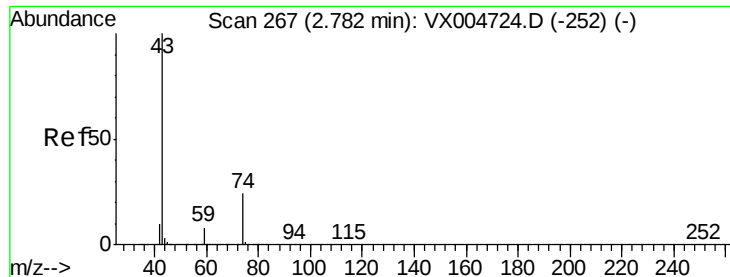
Tgt Ion: 76 Resp: 2010

Ion Ratio Lower Upper

76 100

78 11.5 7.0 10.6#

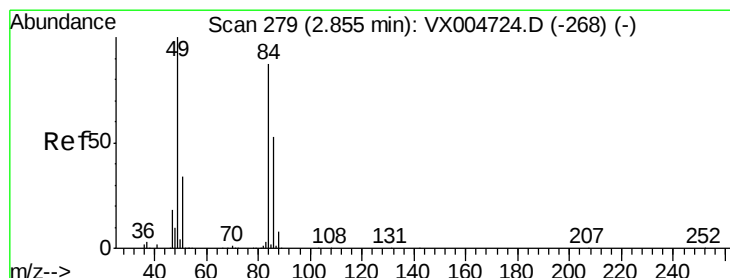
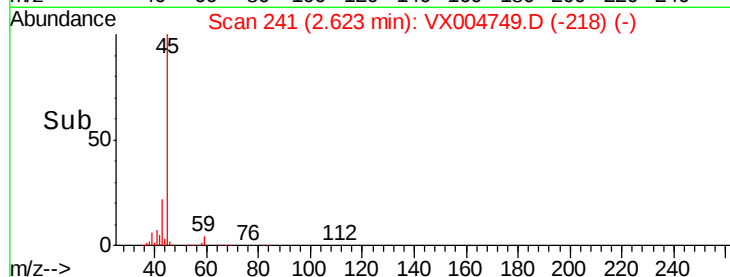
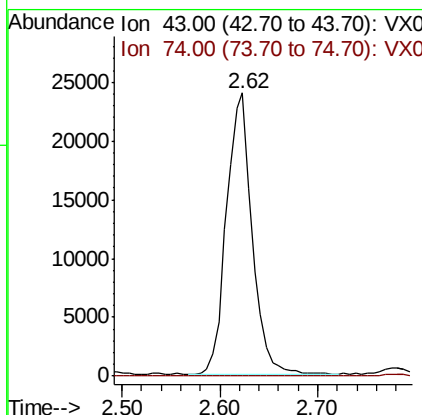
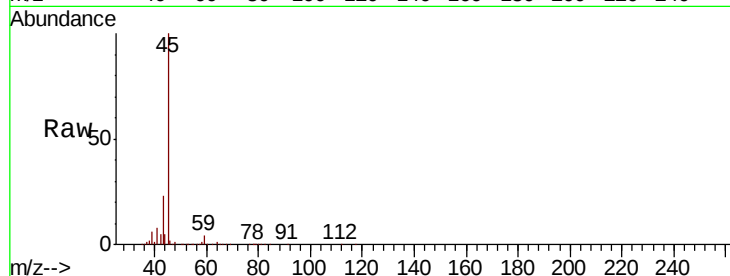




#18
Methvl Acetate
Concen: 6.745 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.16 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

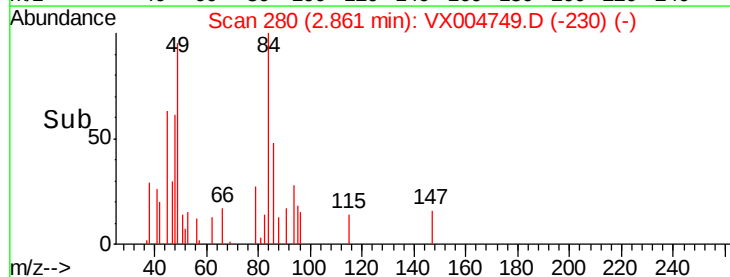
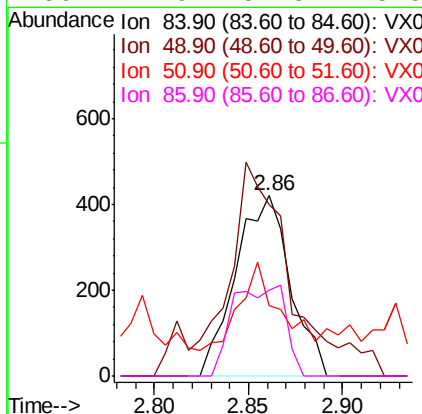
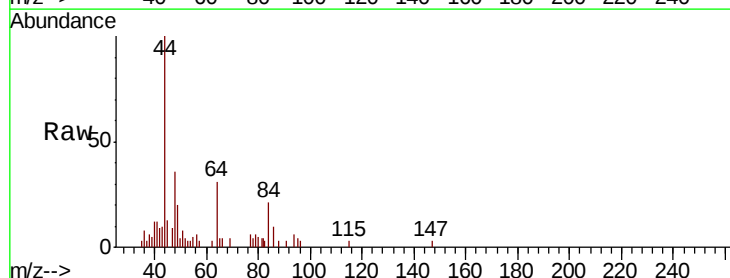
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-092018

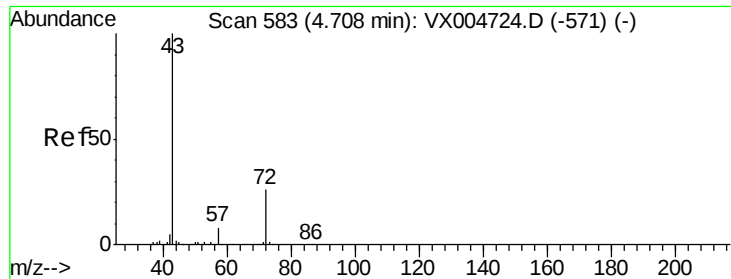
Tot Ion: 43 Resp: 43524
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

Tgt Ion: 84 Resp: 845
Ion Ratio Lower Upper
84 100
49 81.0 101.2 151.8#
51 23.1 29.5 44.3#
86 47.9 52.3 78.5#





#25

2-Butanone

Concen: 1.518 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004749.D

Acq: 27 Sep 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

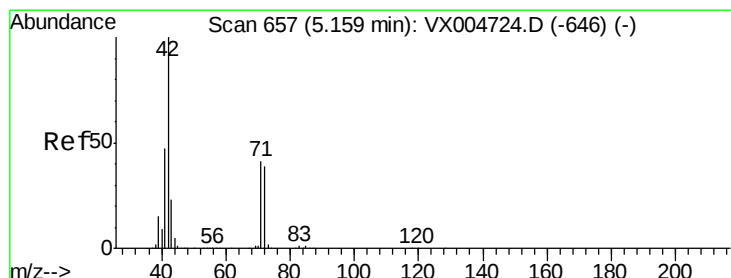
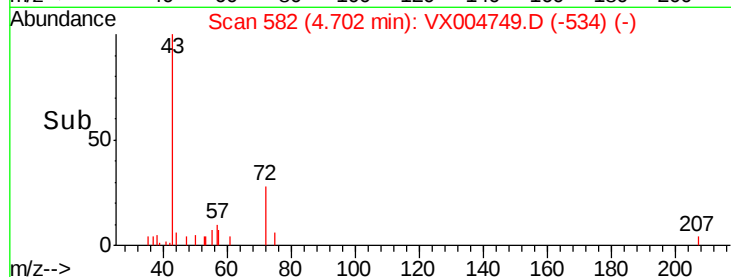
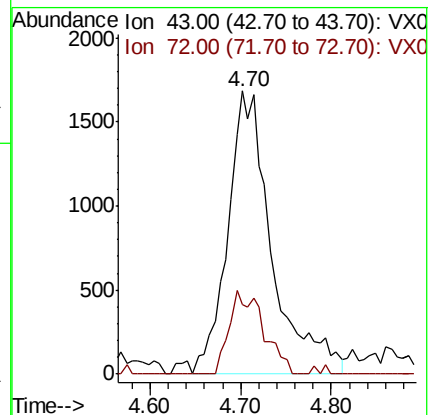
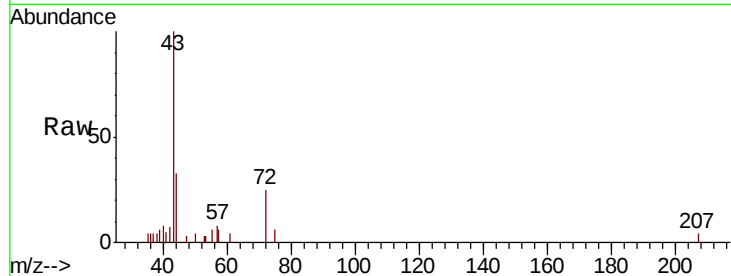
T11-MW-2-8.0-092018

Tot Ion: 43 Resp: 5700

Ion Ratio Lower Upper

43 100

72 24.8 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.259 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX004749.D

Acq: 27 Sep 2018 03:18

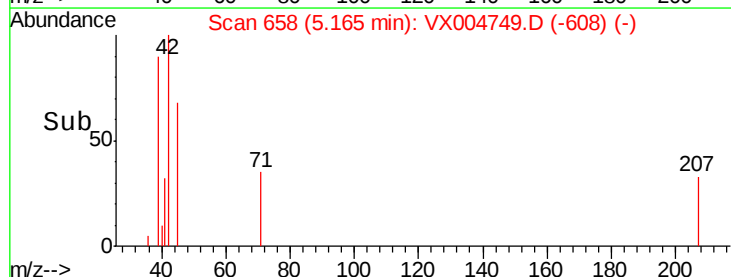
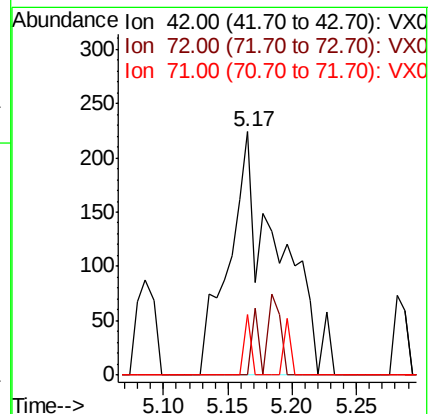
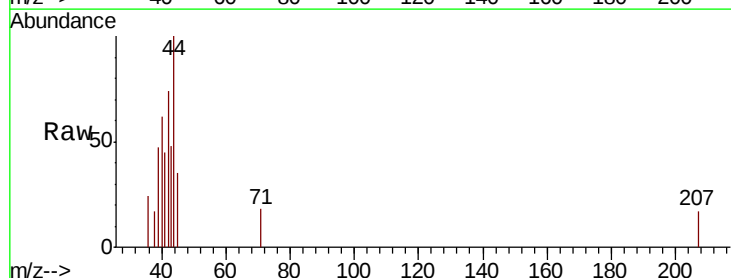
Tgt Ion: 42 Resp: 604

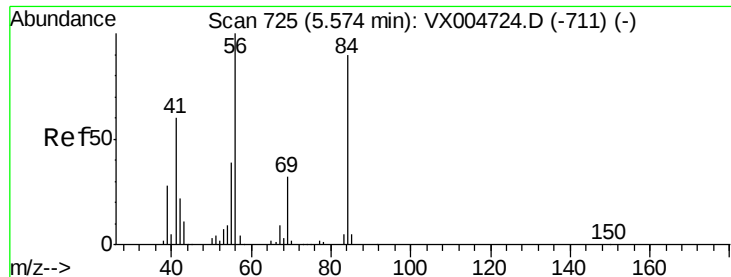
Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

71 3.3 34.5 51.7#

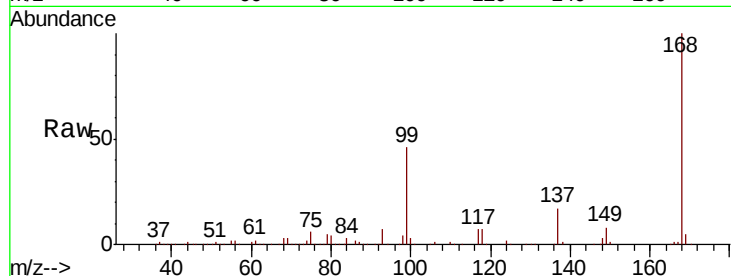




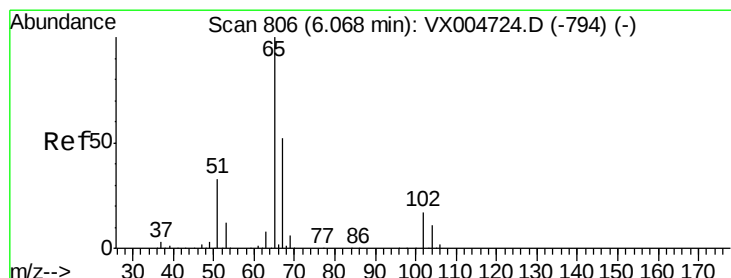
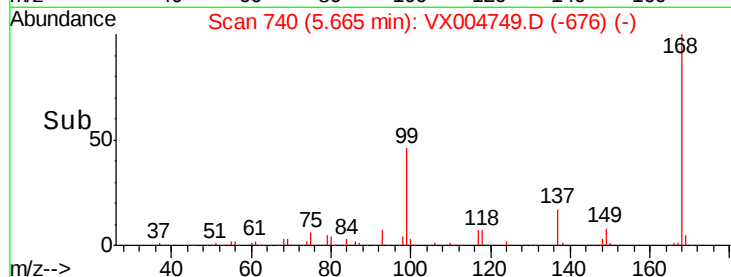
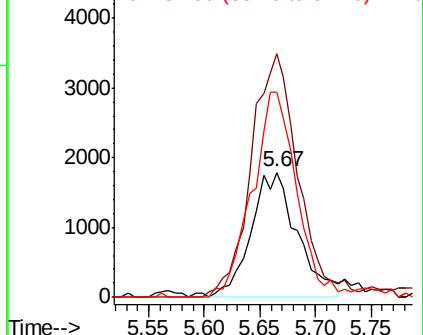
#31
Cyclohexane
Concen: 0.942 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-092018

Tot Ion: 56 Resp: 5231
Ion Ratio Lower Upper
56 100
69 195.4 25.4 38.2#
84 164.5 71.4 107.2#

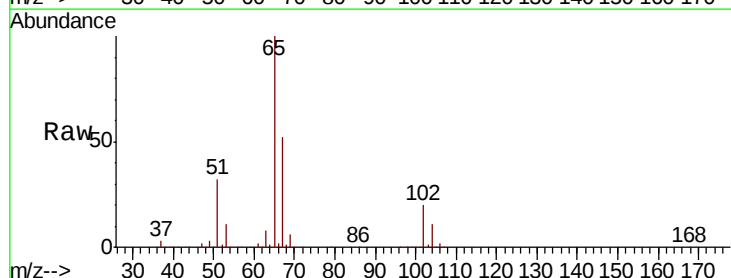


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

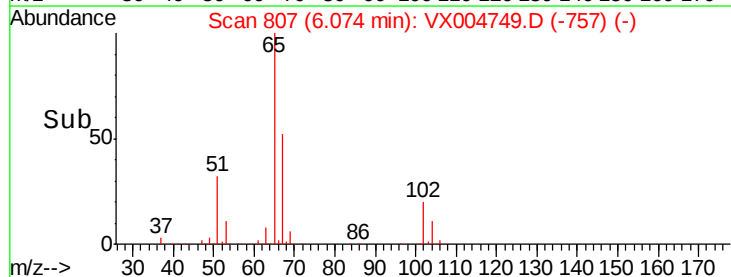
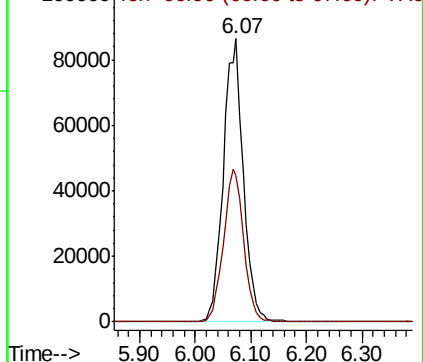


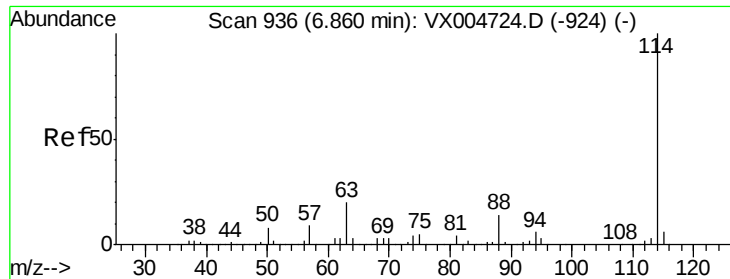
#33
1,2-Dichloroethane-d4
Concen: 48.972 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

Tgt Ion: 65 Resp: 213630
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.8



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

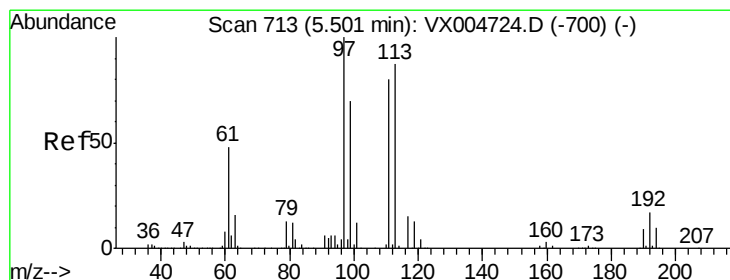
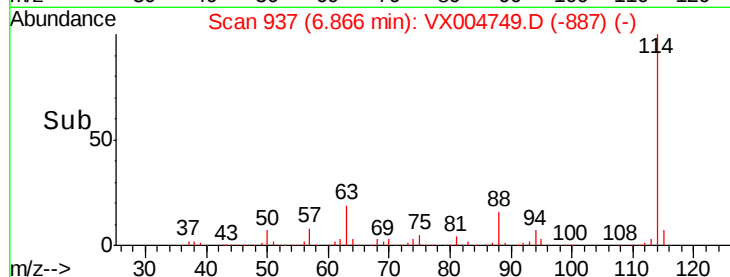
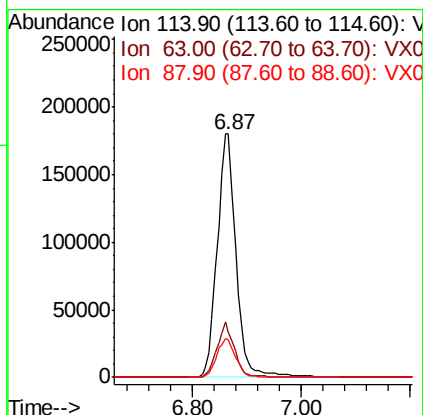
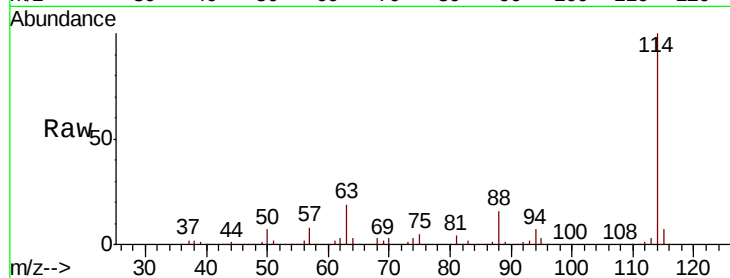




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004749.D
 Acq: 27 Sep 2018 03:18

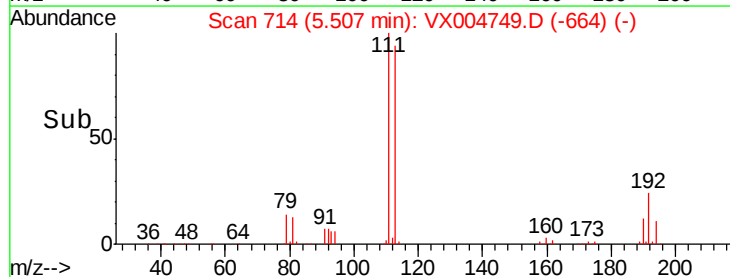
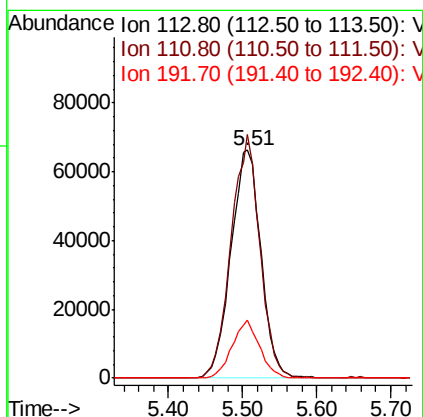
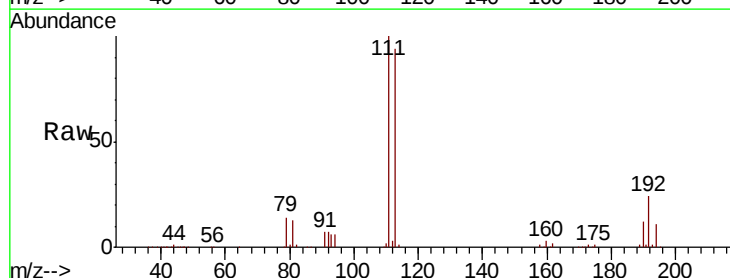
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-2-8.0-092018

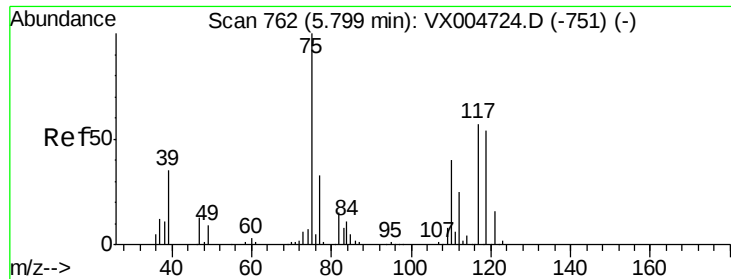
Tot Ion:114 Resp: 433133
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.0
 88 15.6 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 51.037 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004749.D
 Acq: 27 Sep 2018 03:18

Tgt Ion:113 Resp: 187351
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 23.4 19.4 29.2

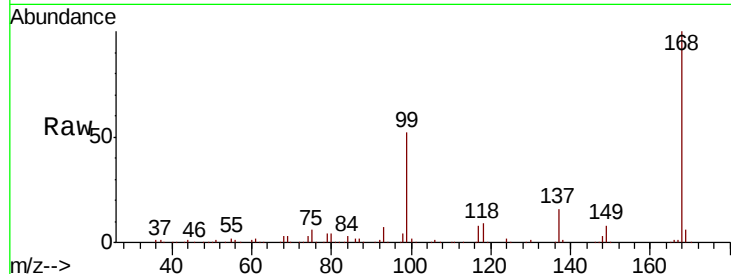




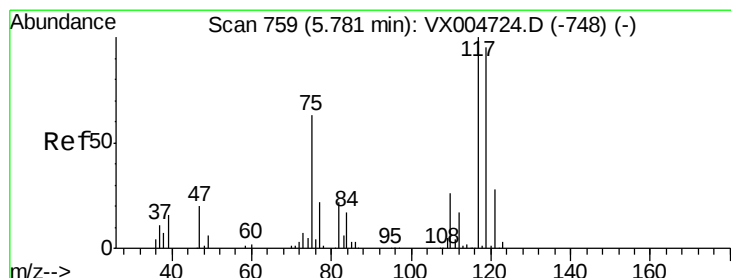
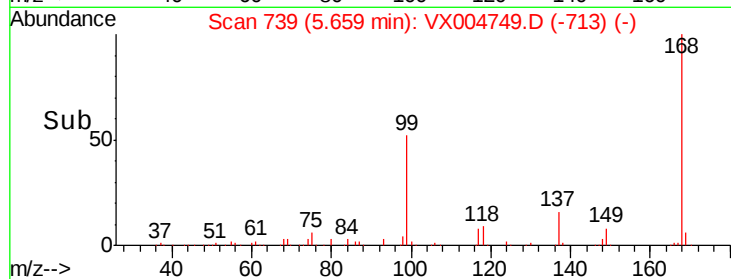
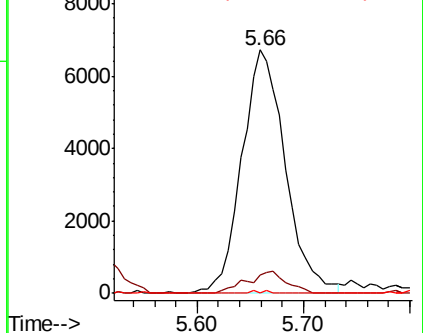
#36
 1,1-Dichloropropene
 Concen: 3.847 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004749.D
 Acq: 27 Sep 2018 03:18

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-2-8.0-092018

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.0	54.0#
77	0.3	24.6	36.8#

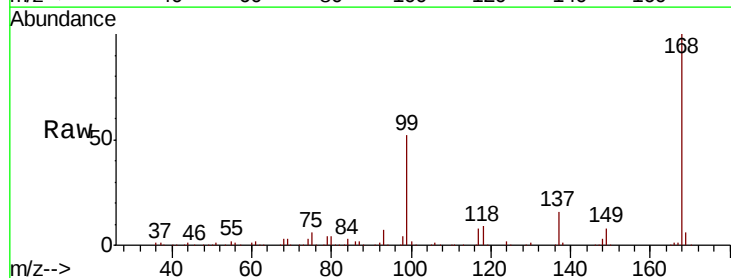


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

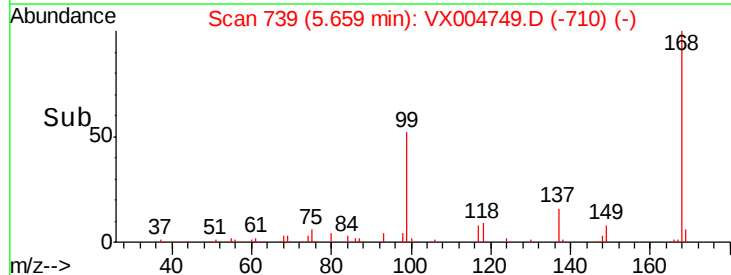
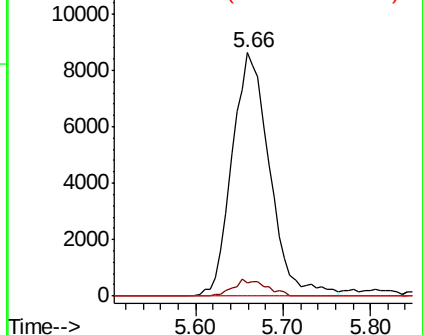


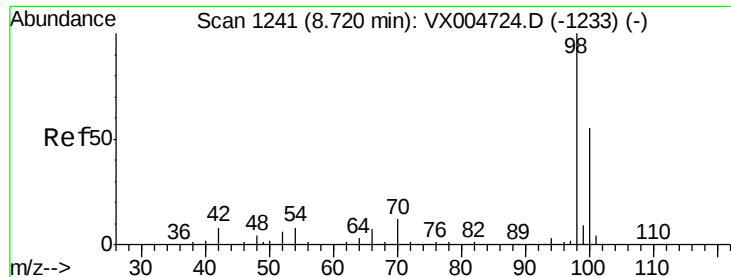
#38
 Carbon Tetrachloride
 Concen: 4.885 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004749.D
 Acq: 27 Sep 2018 03:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	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

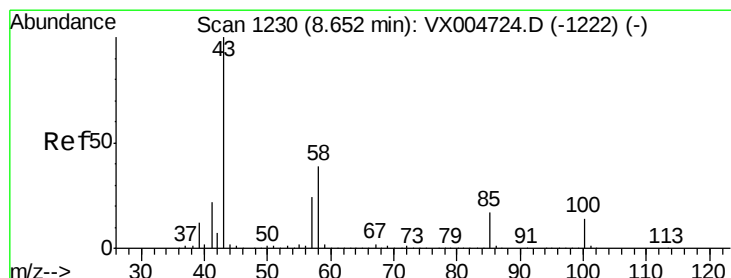
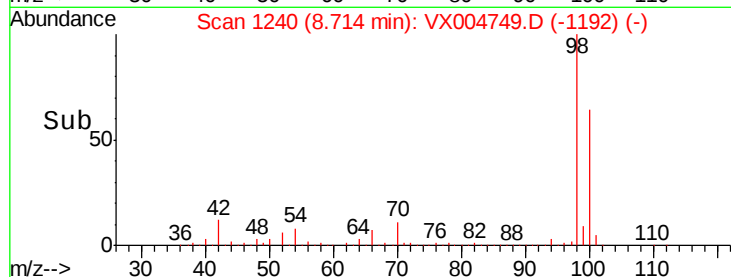
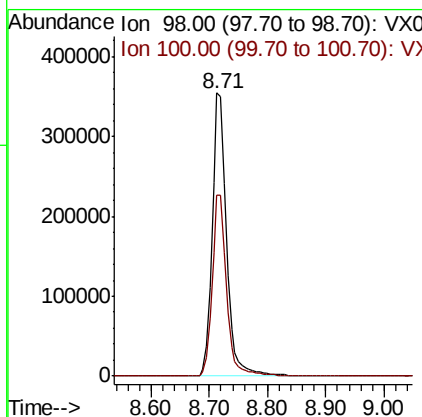
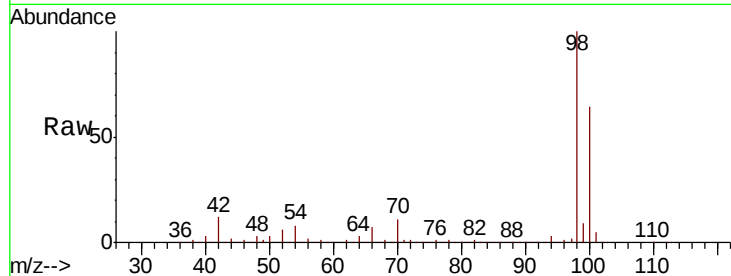




#50
Toluene-d8
Concen: 49.649 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

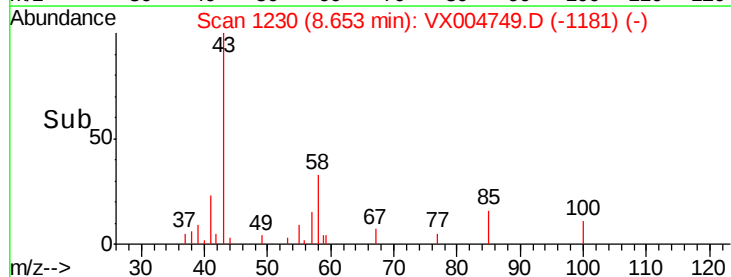
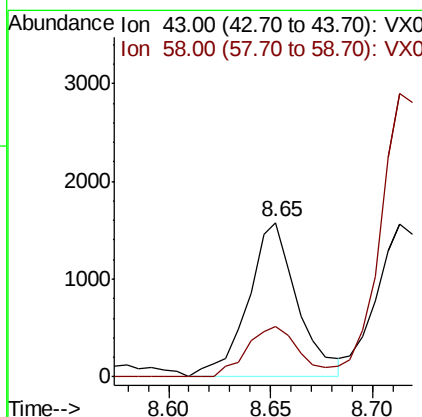
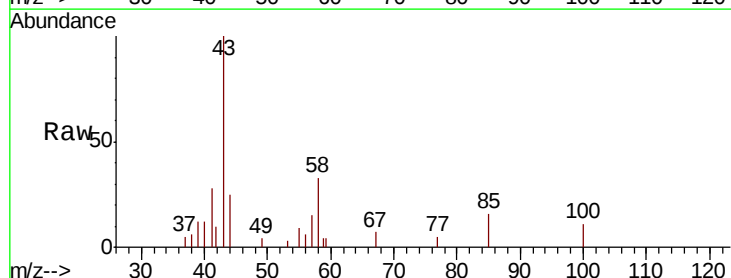
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-092018

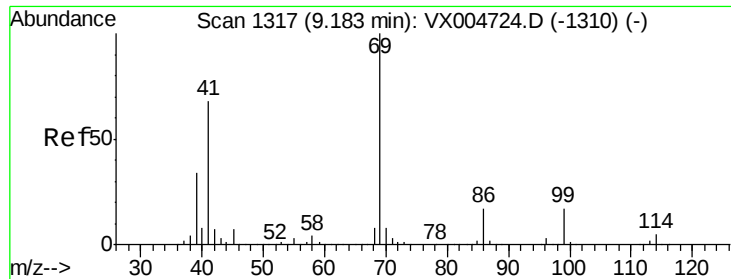
Tot Ion: 98 Resp: 605900
Ion Ratio Lower Upper
98 100
100 63.7 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.439 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

Tgt Ion: 43 Resp: 2655
Ion Ratio Lower Upper
43 100
58 34.4 33.1 49.7





#56

Ethyl methacrylate

Concen: 2.909 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.04 min

Lab File: VX004749.D

Acq: 27 Sep 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-2-8.0-092018

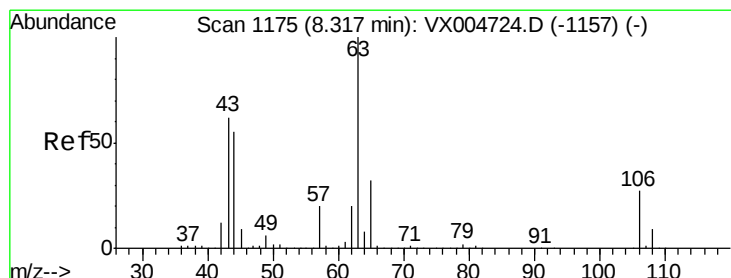
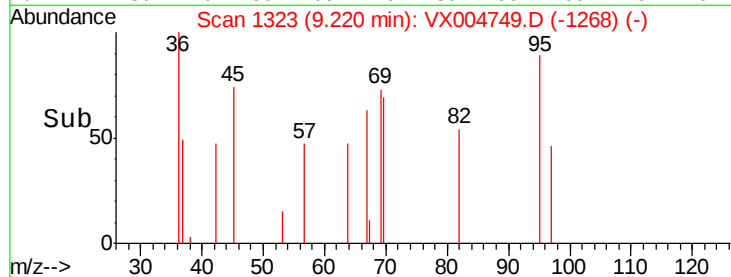
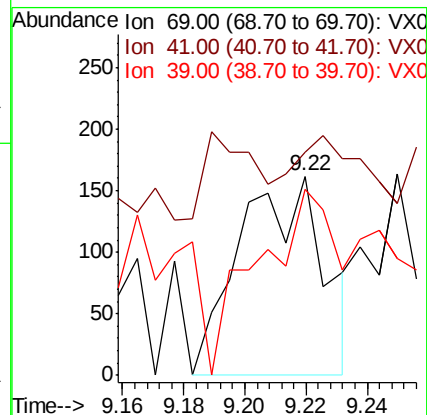
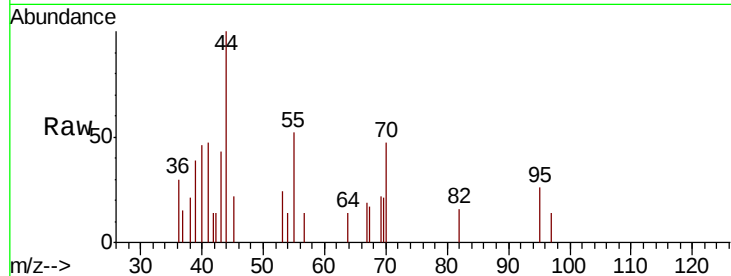
Tot Ion: 69 Resp: 308

Ion Ratio Lower Upper

69 100

41 48.7 51.0 76.4#

39 87.3 26.1 39.1#



#58

2-Chloroethyl Vinyl ether

Concen: 14.248 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004749.D

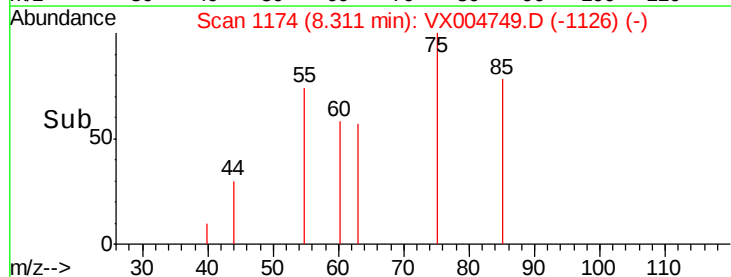
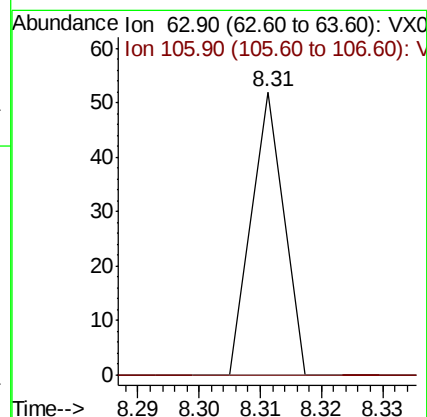
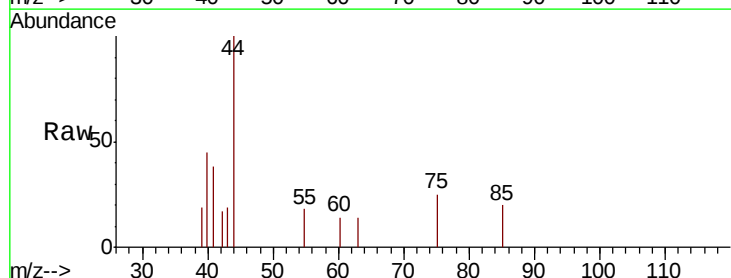
Acq: 27 Sep 2018 03:18

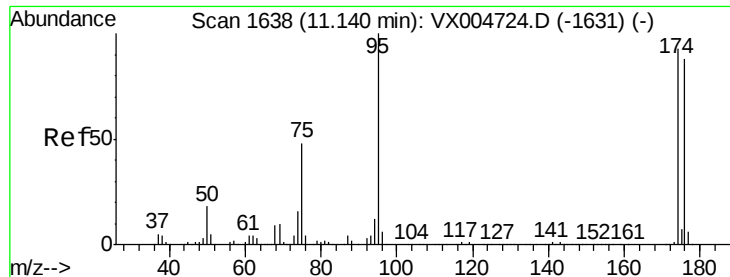
Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

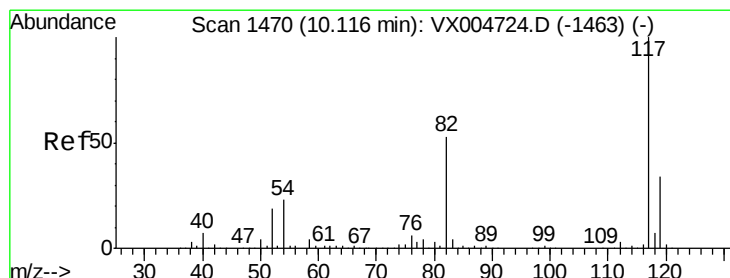
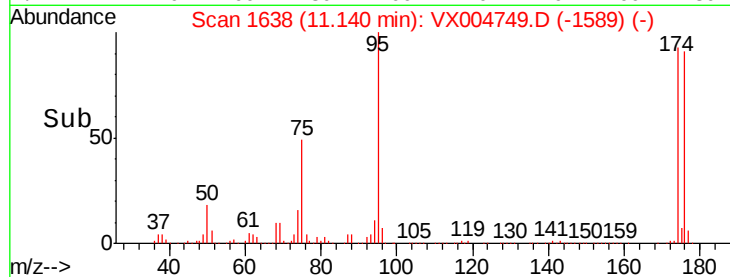
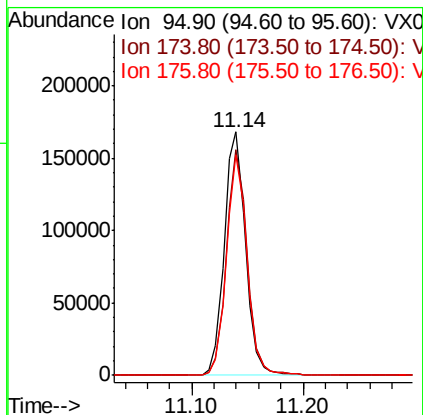
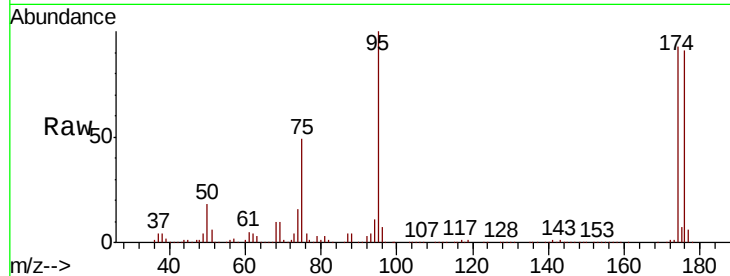




#62
4-Bromofluorobenzene
Concen: 50.726 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

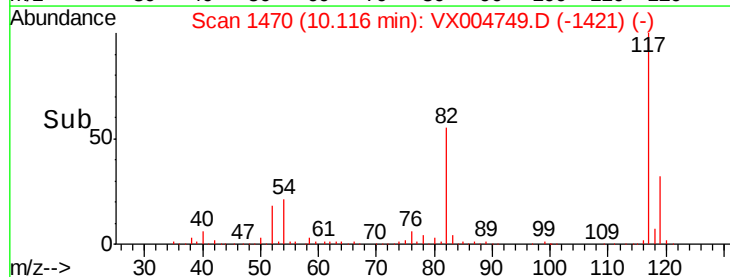
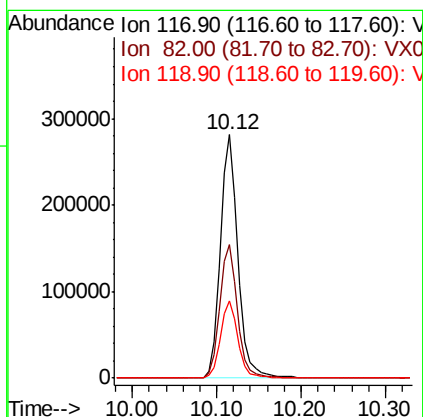
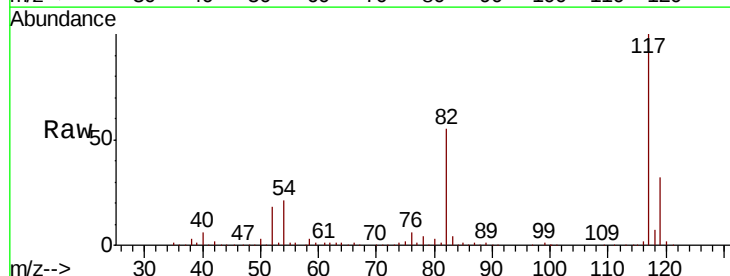
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-092018

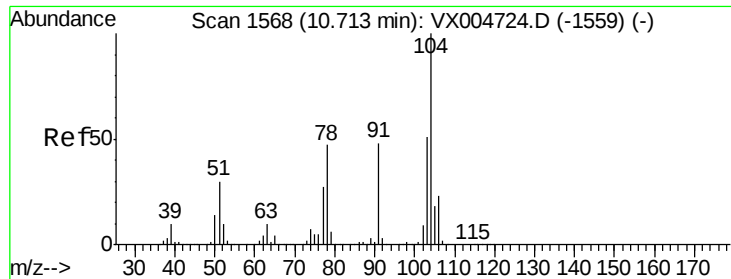
Tot Ion: 95 Resp: 223015
Ion Ratio Lower Upper
95 100
174 90.3 0.0 185.2
176 87.6 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

Tgt Ion: 117 Resp: 406030
Ion Ratio Lower Upper
117 100
82 54.7 47.8 71.6
119 31.8 29.3 43.9





#70

Stvrene

Concen: 2.168 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX004749.D

Acq: 27 Sep 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-2-8.0-092018

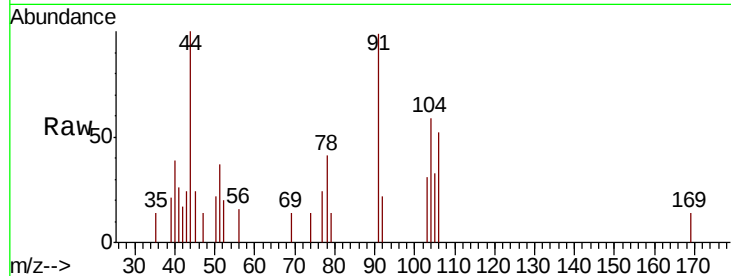
Tot Ion:104 Resp: 321

Ion Ratio Lower Upper

104 100

78 38.0 37.4 56.0

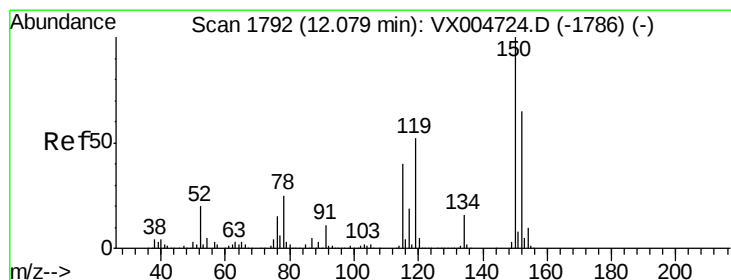
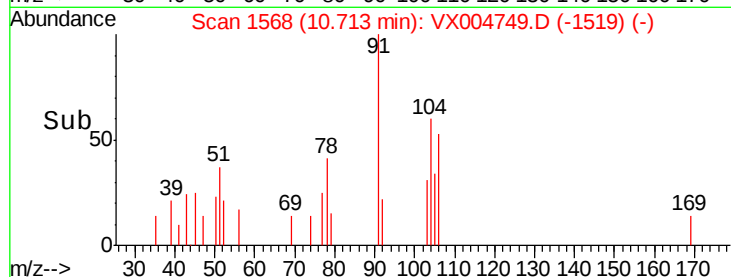
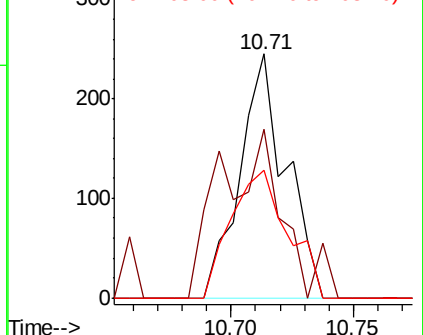
103 65.1 43.8 65.6



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: VX004749.D

Acq: 27 Sep 2018 03:18

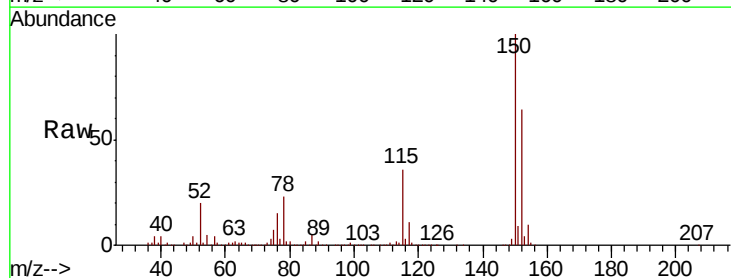
Tgt Ion:152 Resp: 231897

Ion Ratio Lower Upper

152 100

115 55.1 39.0 117.0

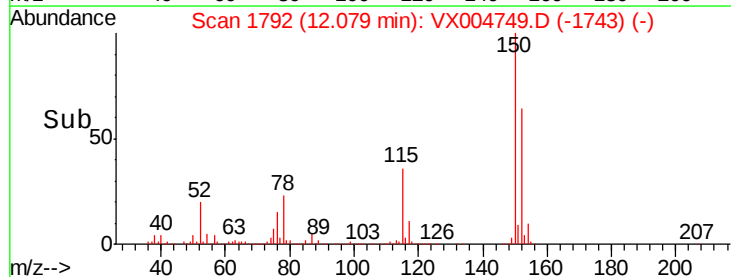
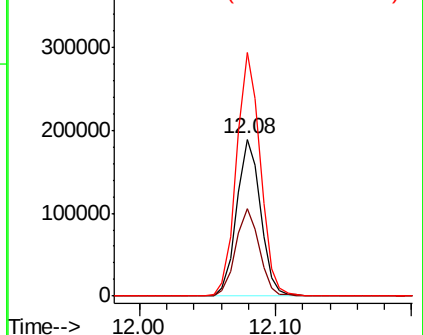
150 155.0 0.0 351.0

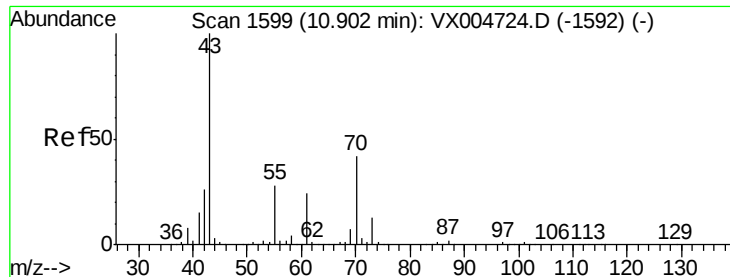


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.767 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX004749.D

Acq: 27 Sep 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-2-8.0-092018

Tot Ion: 43 Resp: 161

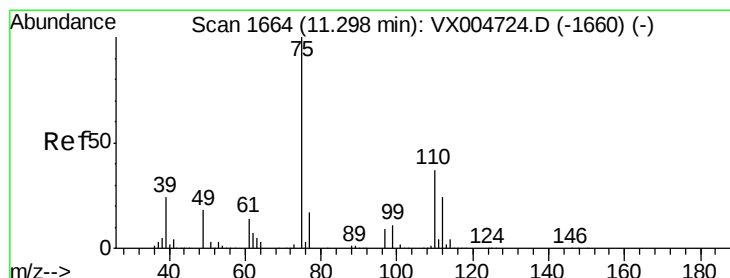
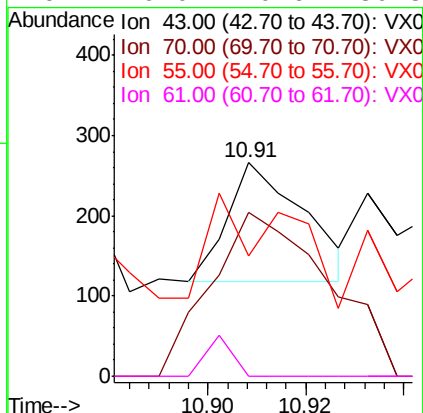
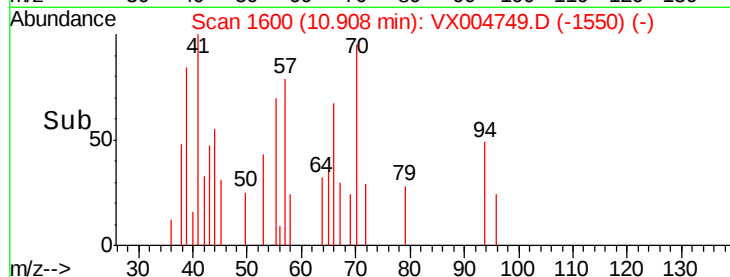
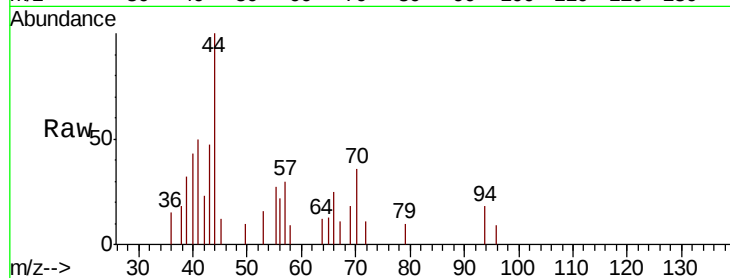
Ion Ratio Lower Upper

43 100

70 211.8 37.4 56.0#

55 105.0 21.8 32.8#

61 0.0 20.6 30.8#



#76

1,2,3-Trichloropropane

Concen: 20.926 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004749.D

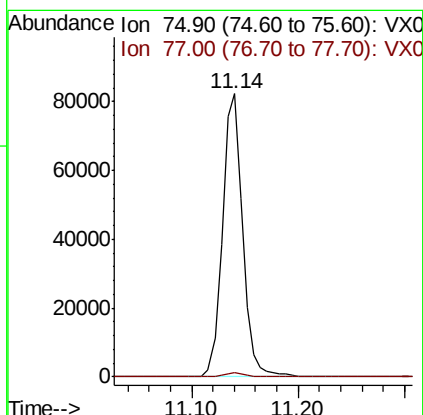
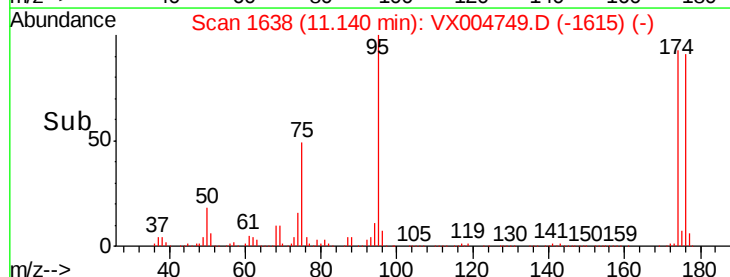
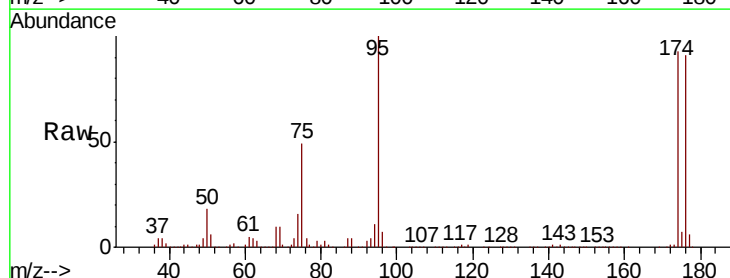
Acq: 27 Sep 2018 03:18

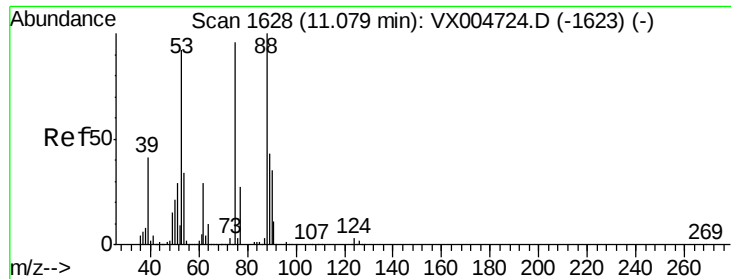
Tgt Ion: 75 Resp: 108767

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#

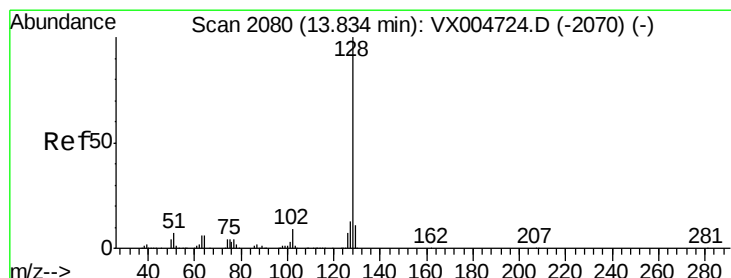
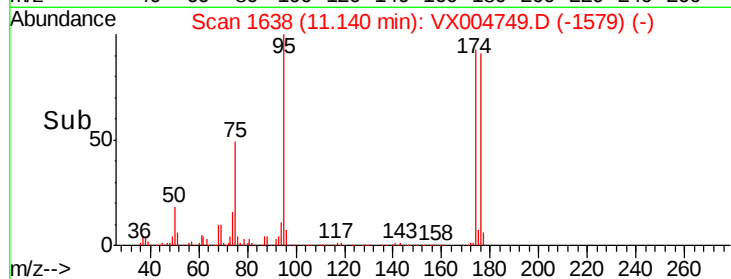
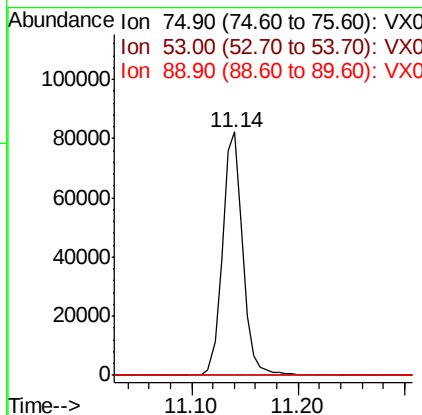
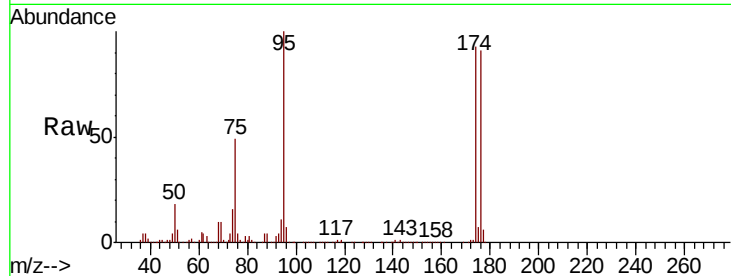




#81
trans-1,4-Dichloro-2-butene
Concen: 56.792 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-092018

Tot Ion: 75 Resp: 108767
Ion Ratio Lower Upper
75 100
53 0.3 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.136 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004749.D
Acq: 27 Sep 2018 03:18

Tgt Ion: 128 Resp: 8161
Ion Ratio Lower Upper
128 100
127 15.4 10.2 15.2#
129 11.9 8.6 12.8

