

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004825.D
 Acq On : 28 Sep 2018 16:58
 Operator : JC/MD
 Sample : J5085-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-10.25

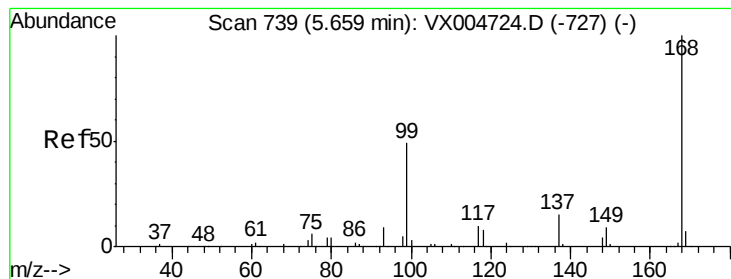
Quant Time: Sep 29 06:26:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	222317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	359454	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191940	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	175134	55.15	ug/l	0.00
Spiked Amount			Recovery	=	110.30%	
35) Dibromofluoromethane	5.51	113	144289	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	8.72	98	523659	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.14	95	186413	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	749	0.366	ug/l #	68
6) Chloroethane	1.62	64	4785	0.229	ug/l #	70
11) Tert butyl alcohol	3.07	59	878	0.989	ug/l #	74
13) Acrolein	2.29	56	214	0.339	ug/l #	16
16) Acetone	2.45	43	11344	6.118	ug/l	98
20) Methylene Chloride	2.86	84	1540	Below Cal	#	81
31) Cyclohexane	5.66	56	4214	1.043	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15716	3.781	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19863	4.546	ug/l #	16
56) Ethyl methacrylate	9.18	69	20	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.16	63	22	14.250	ug/l #	45
70) Styrene	10.71	104	125	2.153	ug/l #	56
74) N-amyl acetate	10.91	43	387	1.804	ug/l #	54
76) 1,2,3-Trichloropropane	11.14	75	93096	21.640	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	91	Below Cal	#	1
81) trans-1,4-Dichloro-2-buten	11.14	75	93096	58.661	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	242	Below Cal		79
95) Naphthalene	13.84	128	635	0.759	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

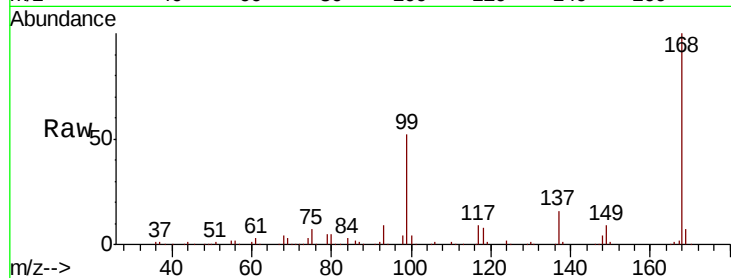
MH-10.25

Tot Ion:168 Resp: 222317

Ion Ratio Lower Upper

168 100

99 52.1 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

80000

60000

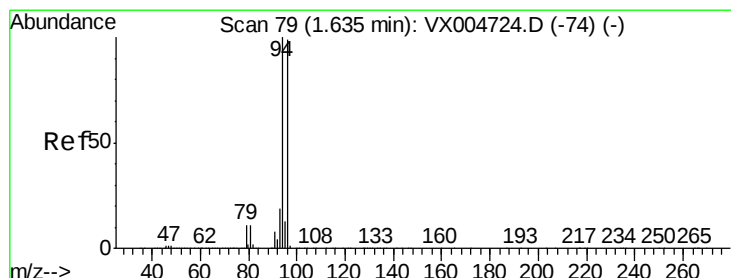
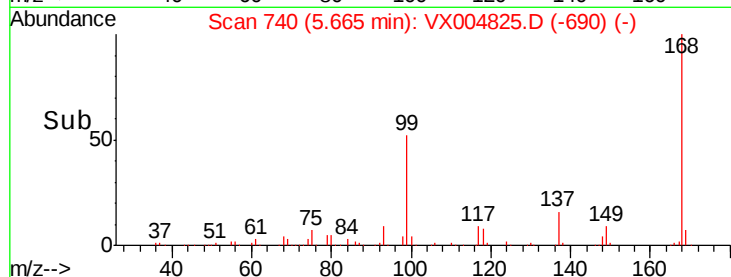
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#5

Bromomethane

Concen: 0.366 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004825.D

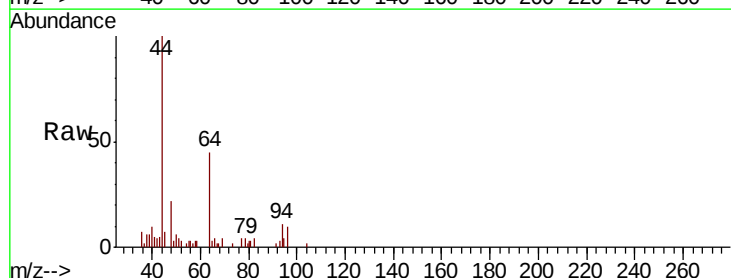
Acq: 28 Sep 2018 16:58

Tgt Ion: 94 Resp: 749

Ion Ratio Lower Upper

94 100

96 62.5 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

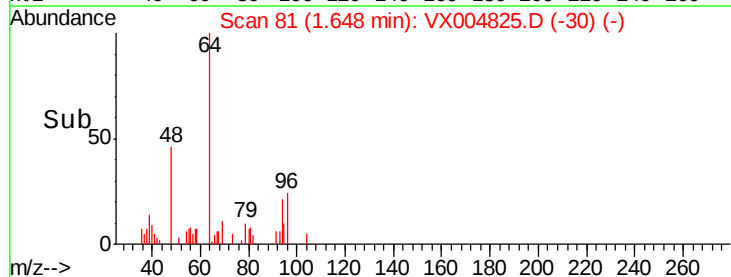
200

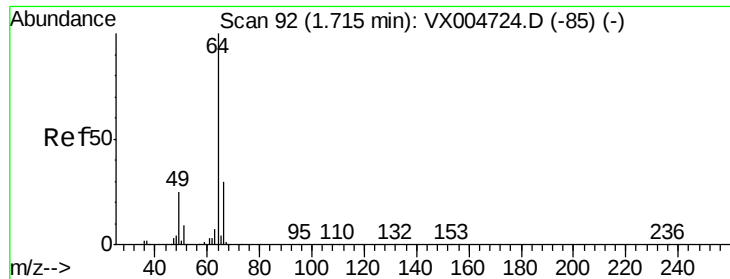
100

0

1.55 1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: 0.229 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

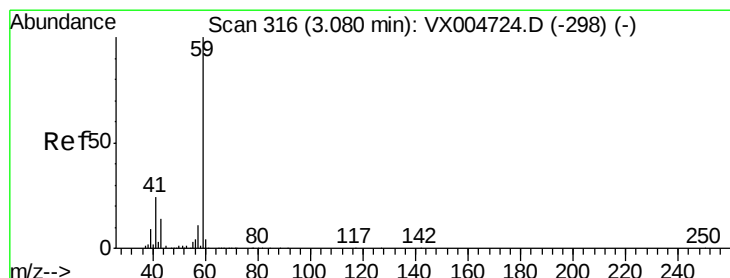
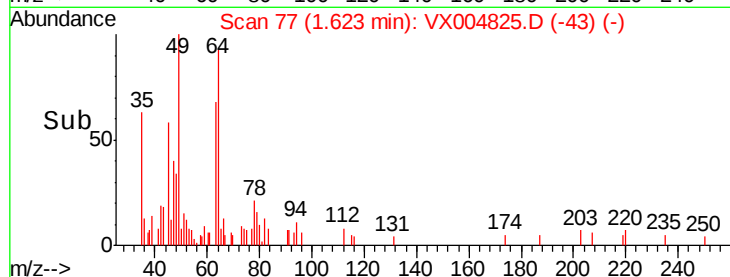
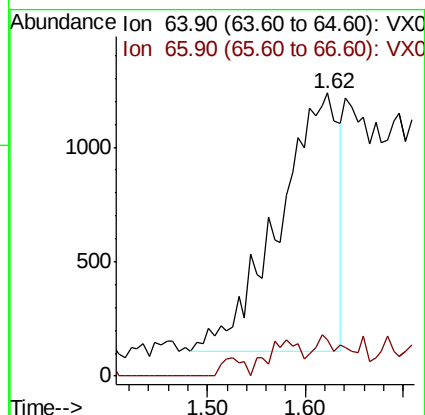
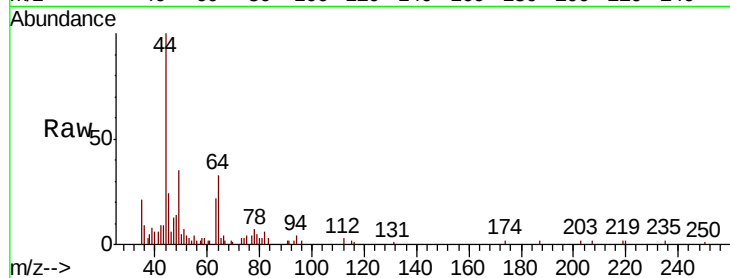
MH-10.25

Tot Ion: 64 Resp: 4785

Ion Ratio Lower Upper

64 100

66 14.1 24.6 36.8#



#11

Tert butyl alcohol

Concen: 0.989 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX004825.D

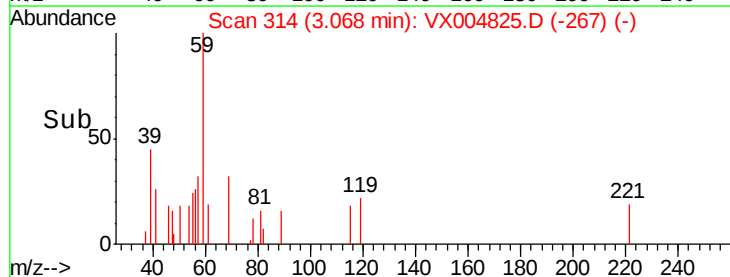
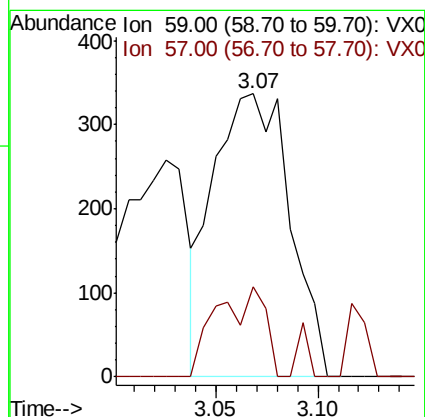
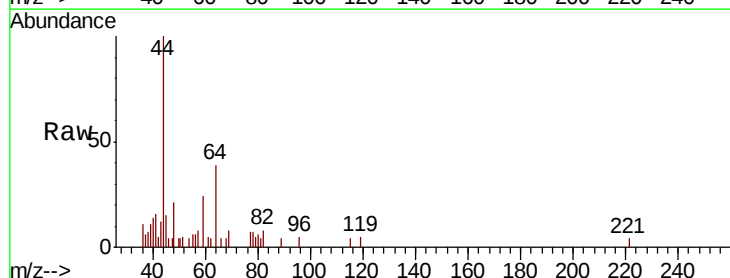
Acq: 28 Sep 2018 16:58

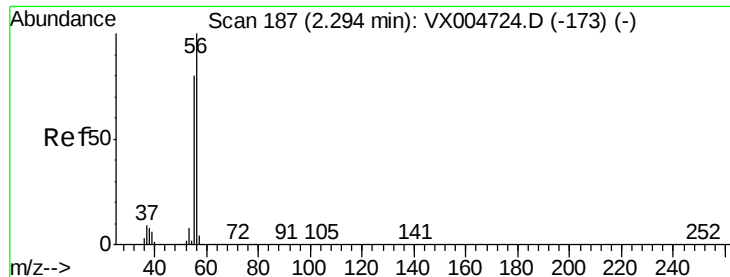
Tgt Ion: 59 Resp: 878

Ion Ratio Lower Upper

59 100

57 20.0 8.2 12.4#





#13

Acrolein

Concen: 0.339 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

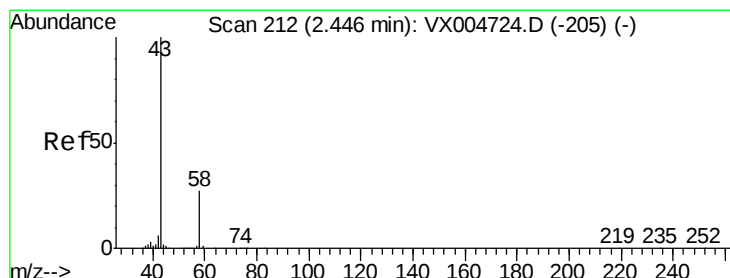
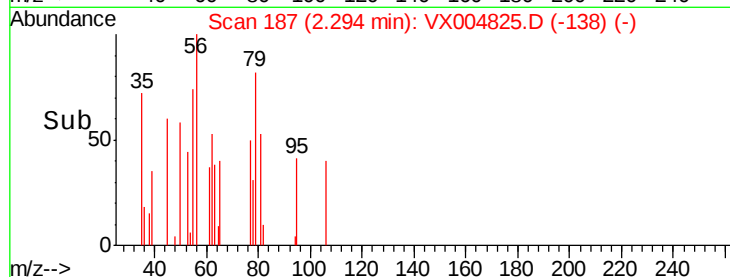
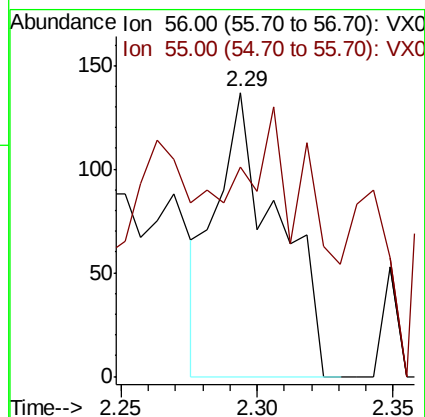
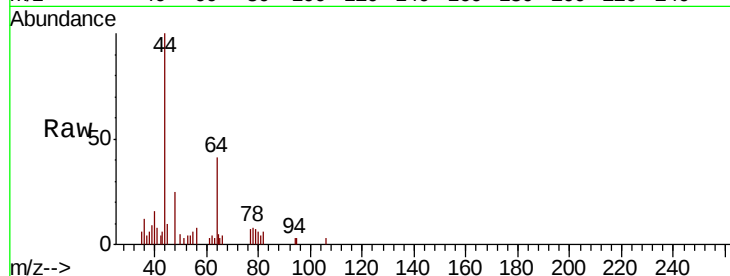
MH-10.25

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#16

Acetone

Concen: 6.118 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004825.D

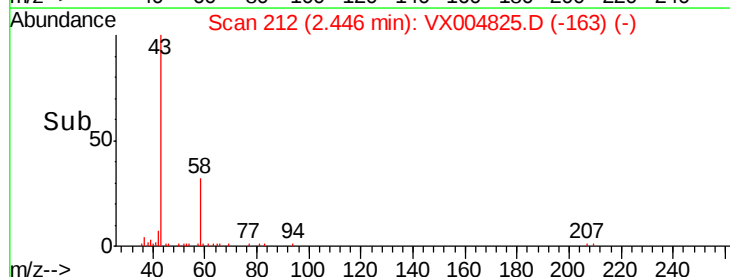
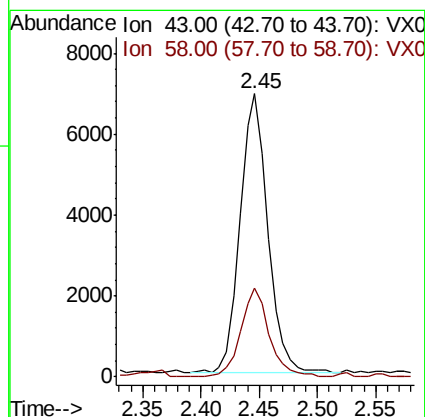
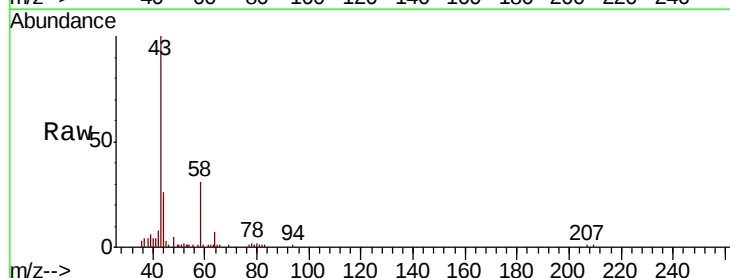
Acq: 28 Sep 2018 16:58

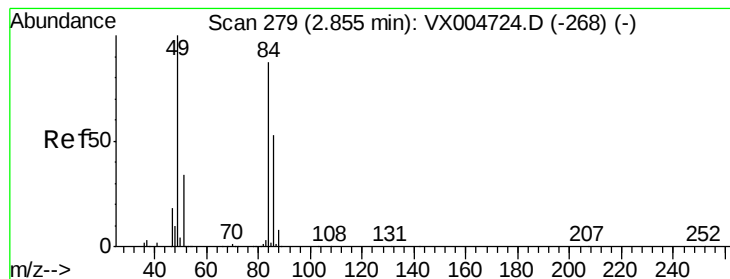
Tgt Ion: 43 Resp: 11344

Ion Ratio Lower Upper

43 100

58 31.9 26.2 39.4





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

MH-10.25

Tot Ion: 84 Resp: 1540

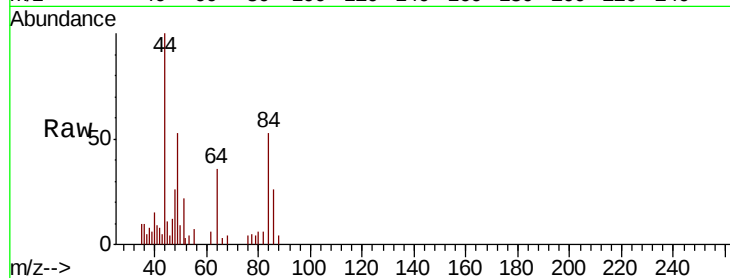
Ion Ratio Lower Upper

84 100

49 100.7 101.2 151.8#

51 41.3 29.5 44.3

86 49.9 52.3 78.5#

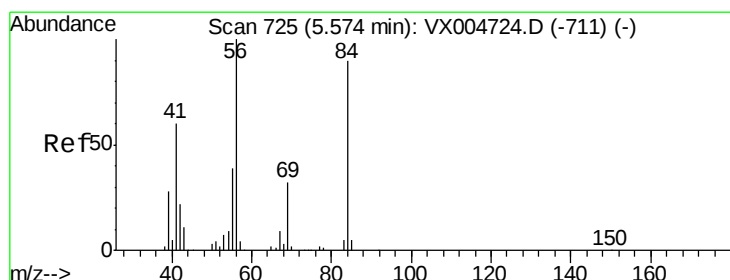
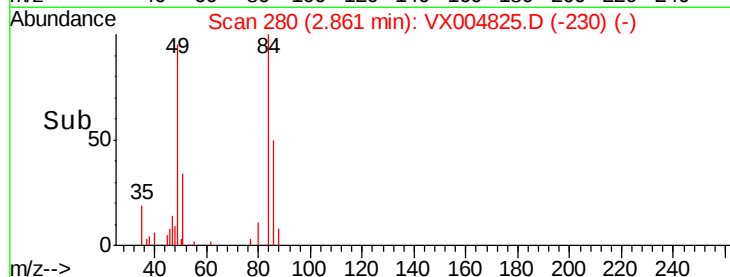
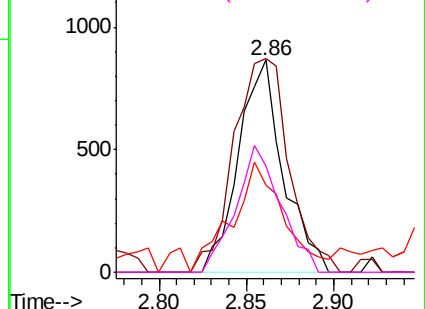


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#31

Cyclohexane

Concen: 1.043 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

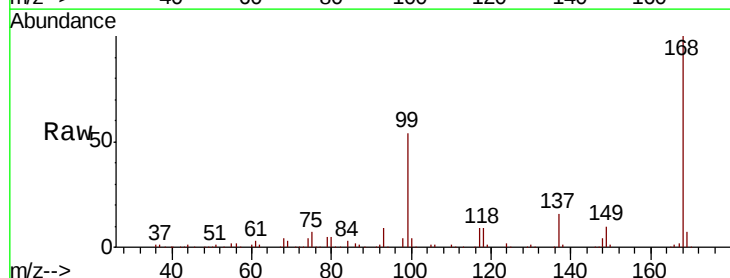
Tgt Ion: 56 Resp: 4214

Ion Ratio Lower Upper

56 100

69 171.2 25.4 38.2#

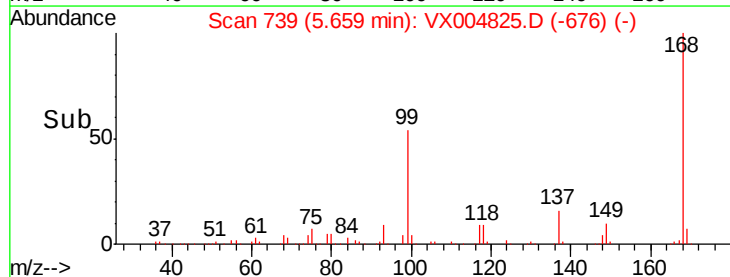
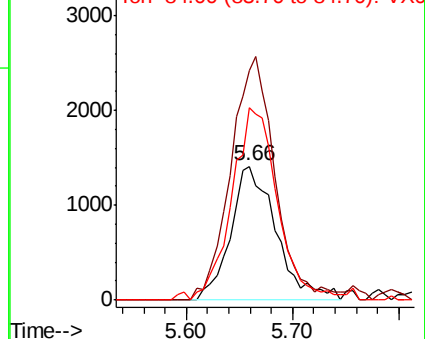
84 143.2 71.4 107.2#

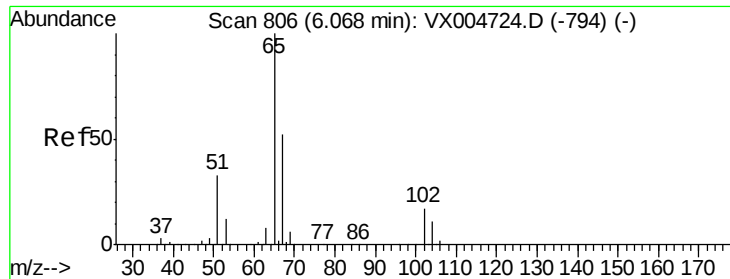


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 55.146 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

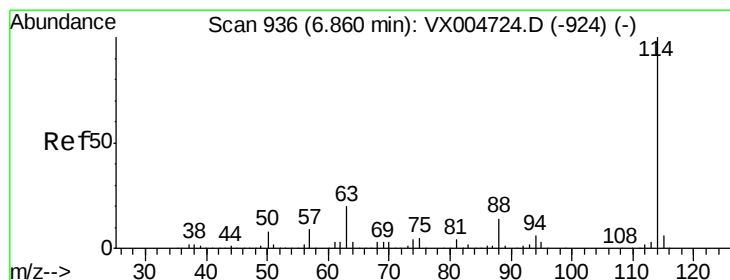
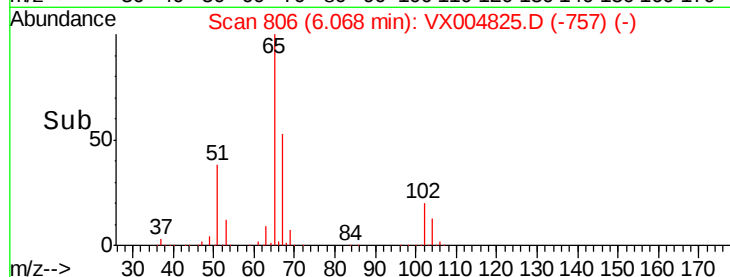
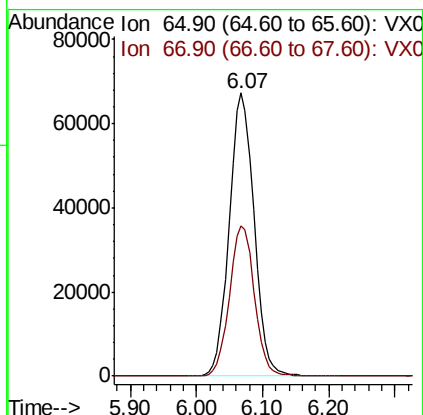
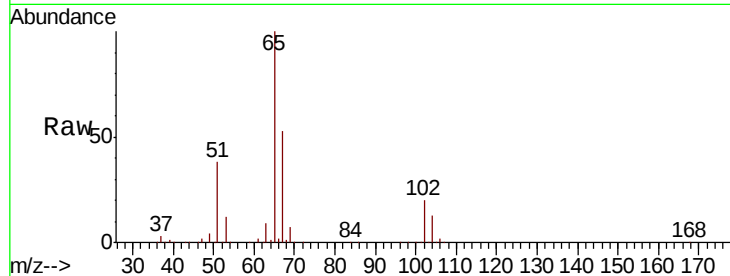
MH-10.25

Tot Ion: 65 Resp: 175134

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

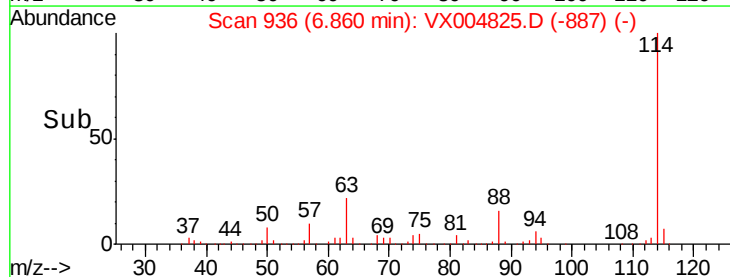
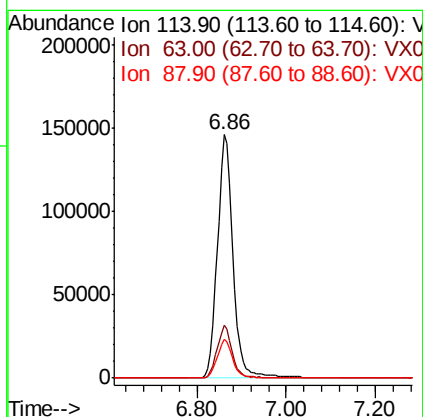
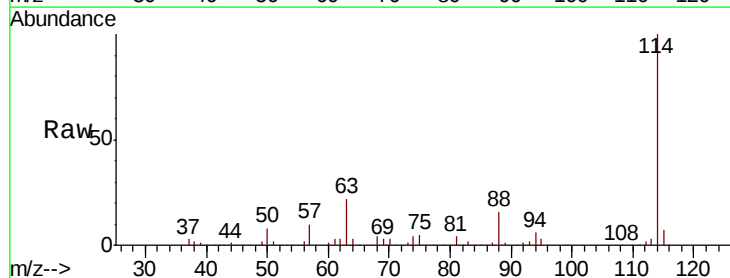
Tgt Ion: 114 Resp: 359454

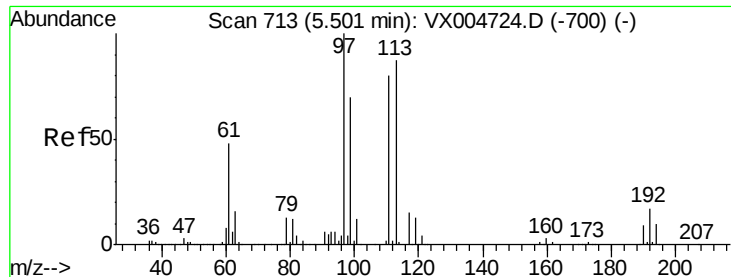
Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.0

88 16.2 0.0 30.4

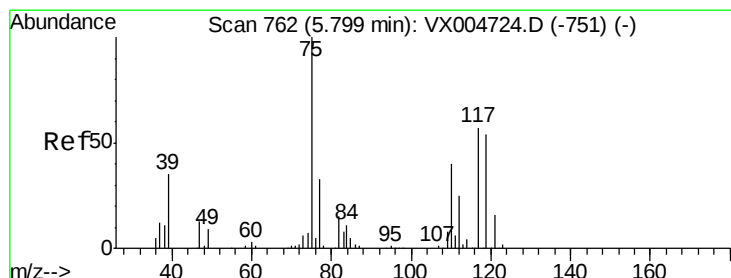
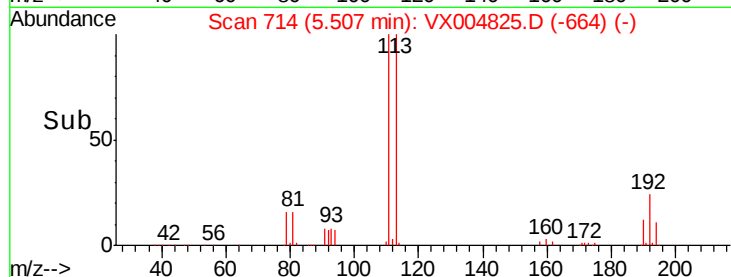
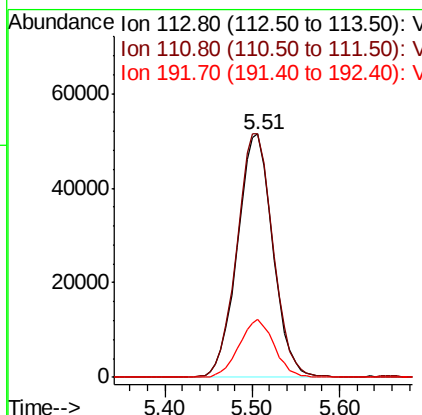
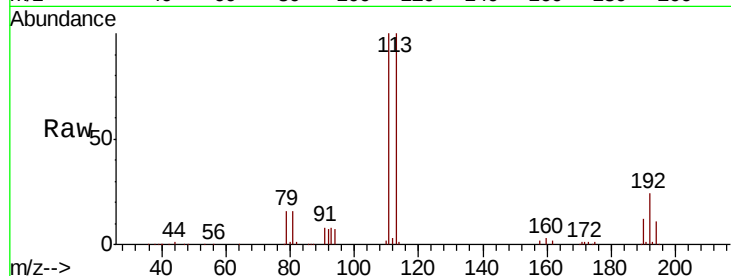




#35
 Dibromofluoromethane
 Concen: 47.363 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004825.D
 Acq: 28 Sep 2018 16:58

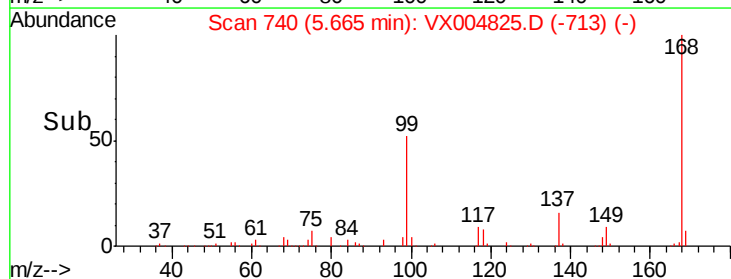
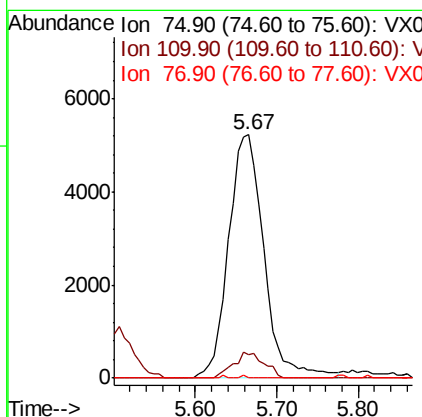
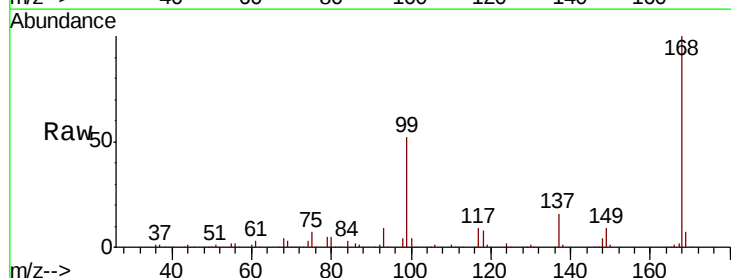
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-10.25

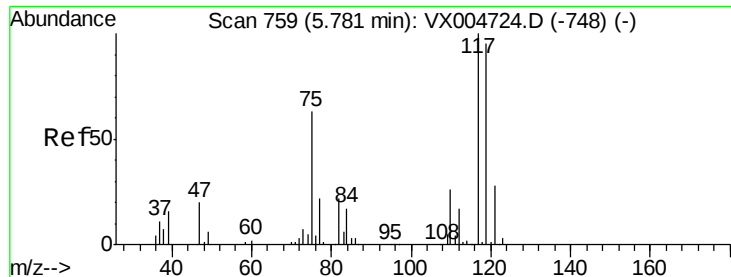
Tot Ion:113 Resp: 144289
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 23.5 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.781 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004825.D
 Acq: 28 Sep 2018 16:58

Tgt Ion: 75 Resp: 15716
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.0 54.0#
 77 0.1 24.6 36.8#

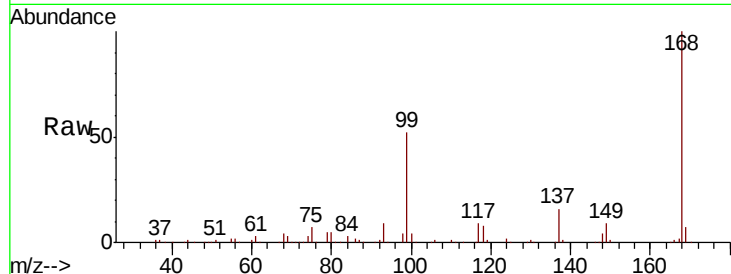




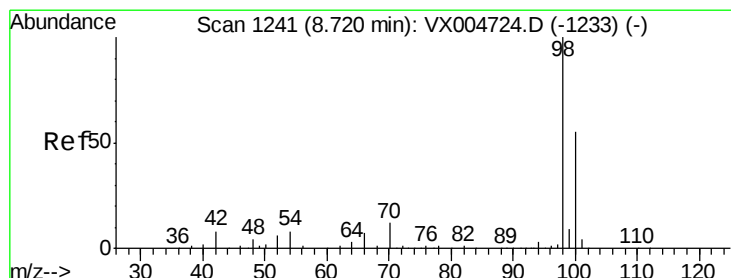
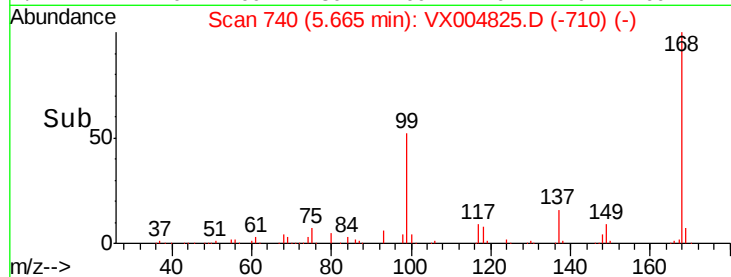
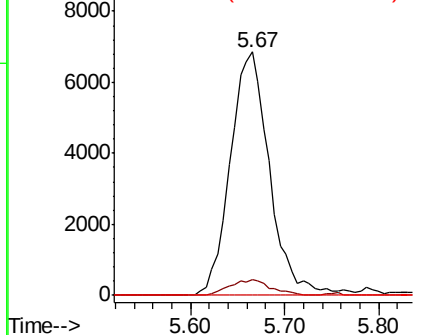
#38
Carbon Tetrachloride
Concen: 4.546 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004825.D
Acq: 28 Sep 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
MH-10.25

Tot Ion:117 Resp: 19863
Ion Ratio Lower Upper
117 100
119 6.6 78.8 118.2#
121 0.0 24.9 37.3#

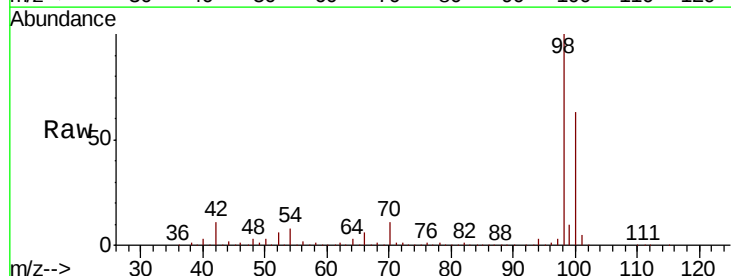


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

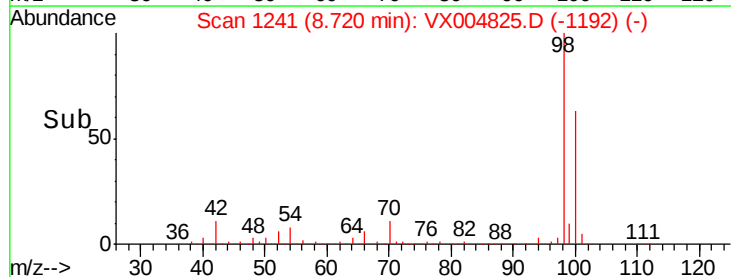
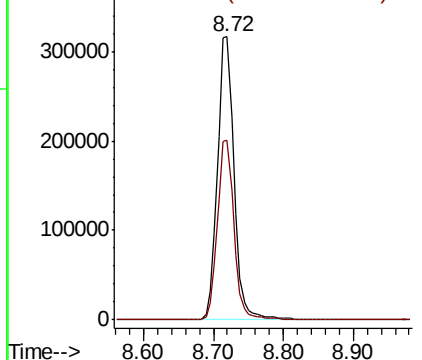


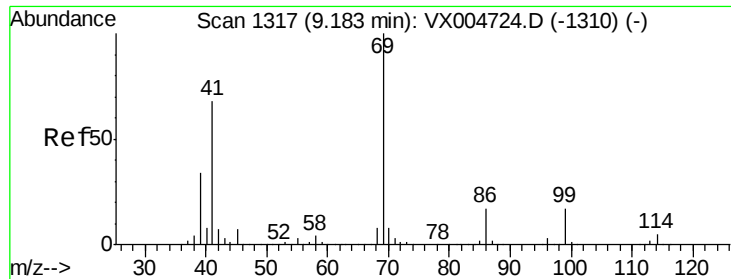
#50
Toluene-d8
Concen: 51.705 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004825.D
Acq: 28 Sep 2018 16:58

Tgt Ion: 98 Resp: 523659
Ion Ratio Lower Upper
98 100
100 63.6 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: 2.866 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

MH-10.25

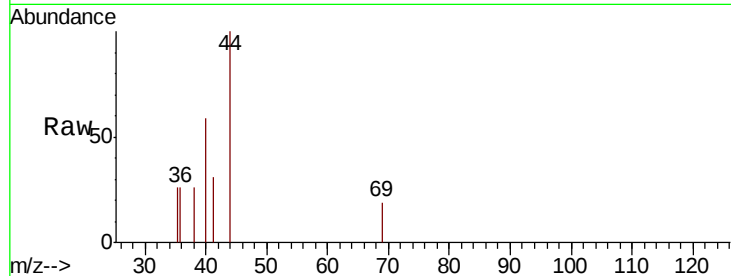
Tot Ion: 69 Resp: 20

Ion Ratio Lower Upper

69 100

41 910.0 51.0 76.4#

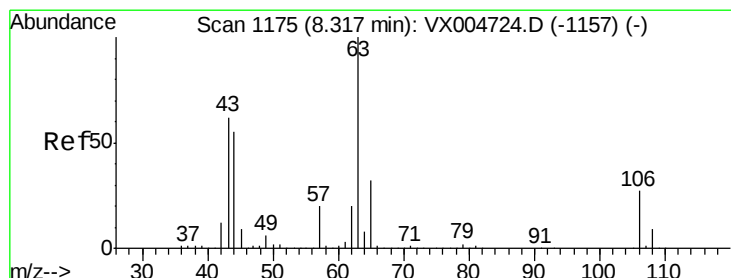
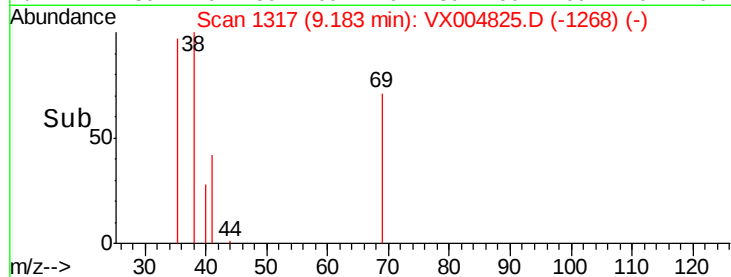
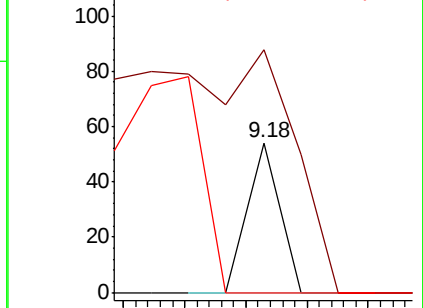
39 375.0 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.250 ug/l

RT: 8.16 min Scan# 1149

Delta R.T. -0.16 min

Lab File: VX004825.D

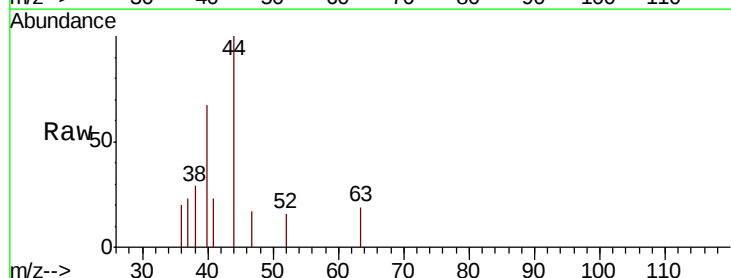
Acq: 28 Sep 2018 16:58

Tgt Ion: 63 Resp: 22

Ion Ratio Lower Upper

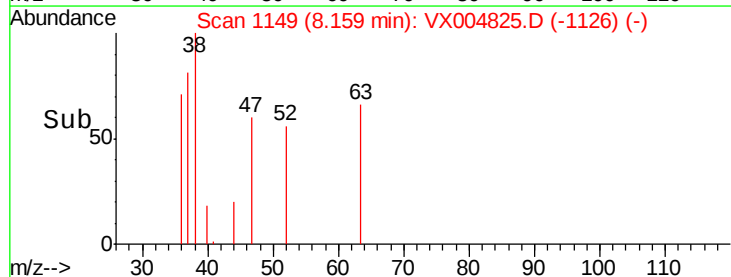
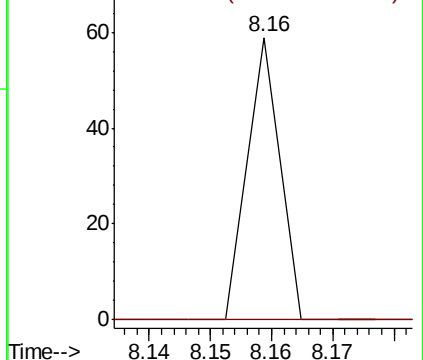
63 100

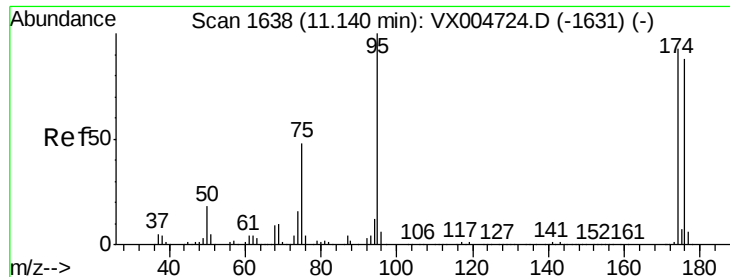
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 51.092 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

MH-10.25

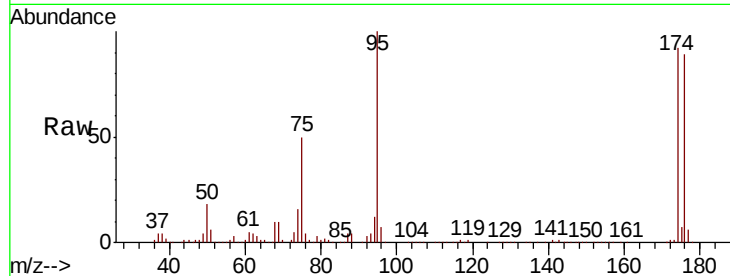
Tot Ion: 95 Resp: 186413

Ion Ratio Lower Upper

95 100

174 92.1 0.0 185.2

176 88.4 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

11.14

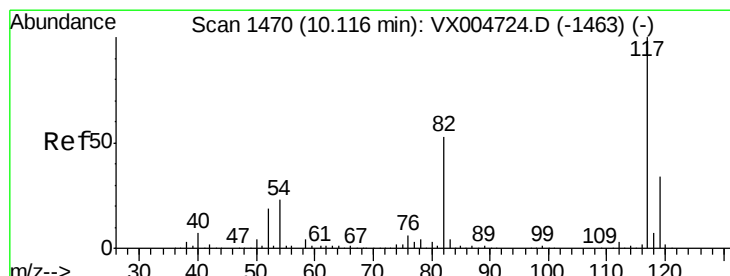
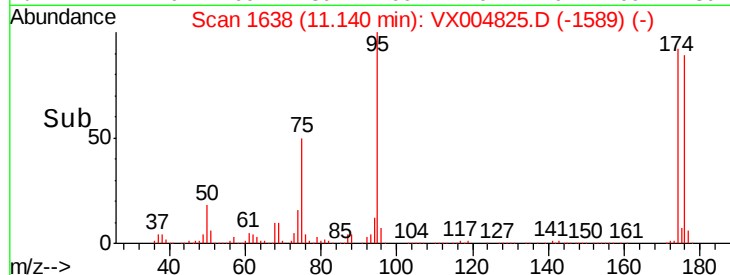
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

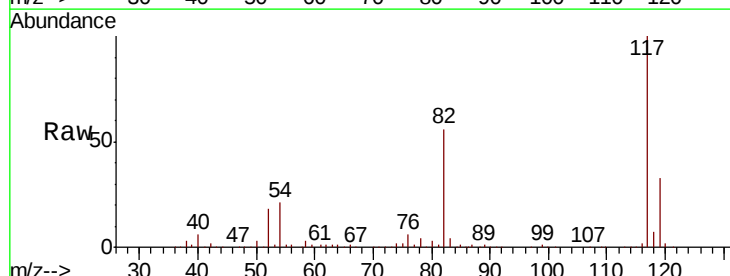
Tgt Ion: 117 Resp: 351737

Ion Ratio Lower Upper

117 100

82 56.1 47.8 71.6

119 32.5 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

10.12

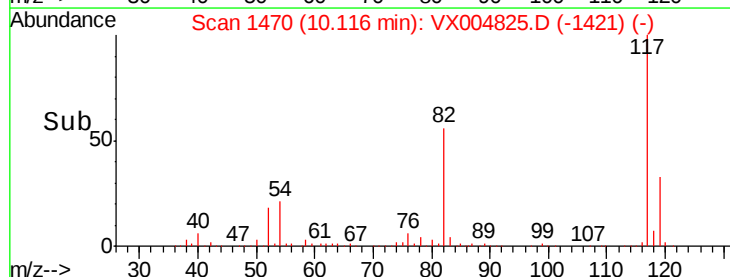
300000

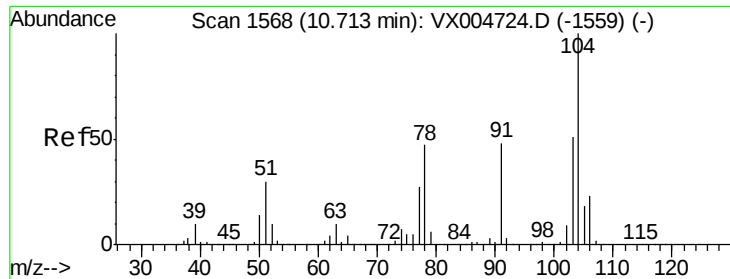
200000

100000

0

Time-->

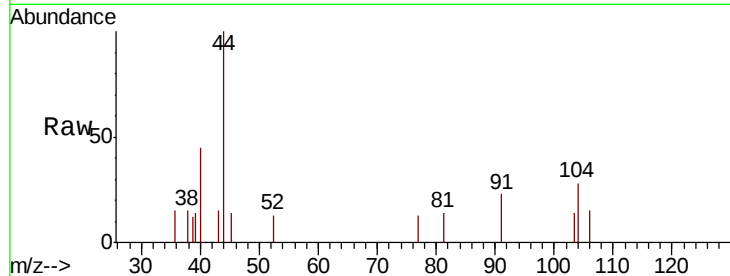




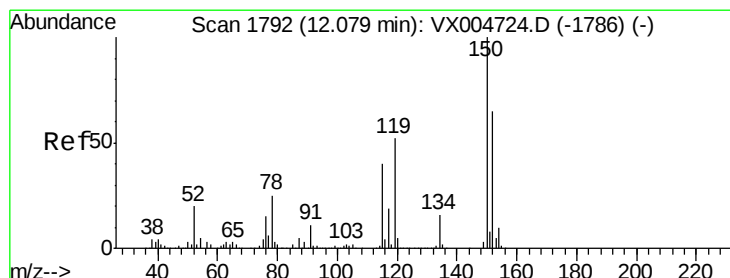
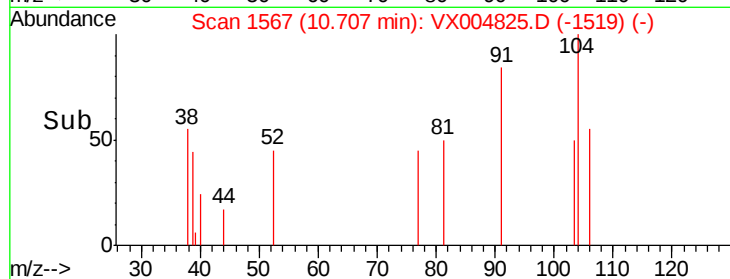
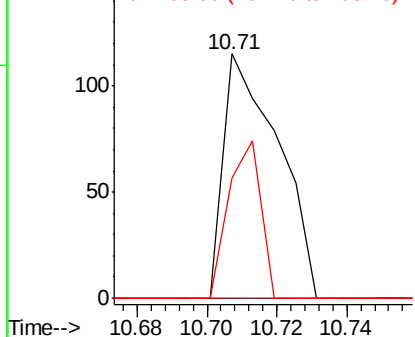
#70
Stvrene
Concen: 2.153 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX004825.D
Acq: 28 Sep 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
MH-10.25

Tot Ion:104 Resp: 125
Ion Ratio Lower Upper
104 100
78 0.0 37.4 56.0#
103 38.4 43.8 65.6#

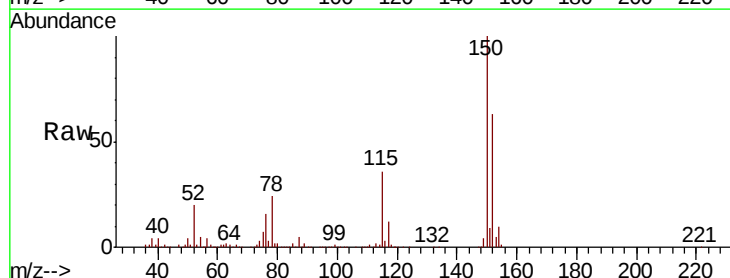


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

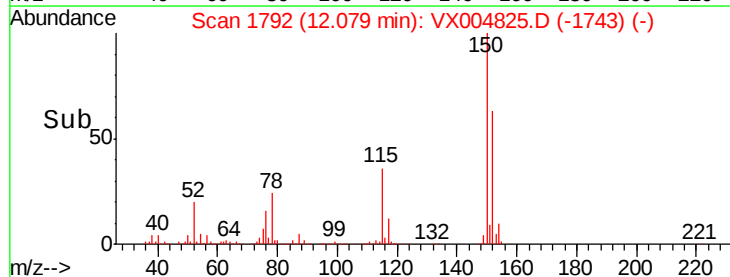
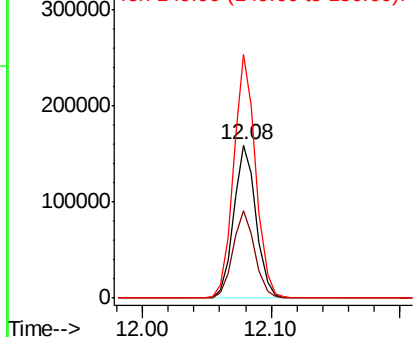


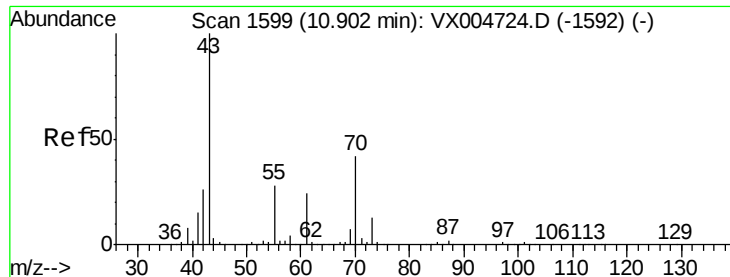
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004825.D
Acq: 28 Sep 2018 16:58

Tgt Ion:152 Resp: 191940
Ion Ratio Lower Upper
152 100
115 56.4 39.0 117.0
150 157.1 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-amvl acetate

Concen: 1.804 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

MH-10.25

Tot Ion: 43 Resp: 387

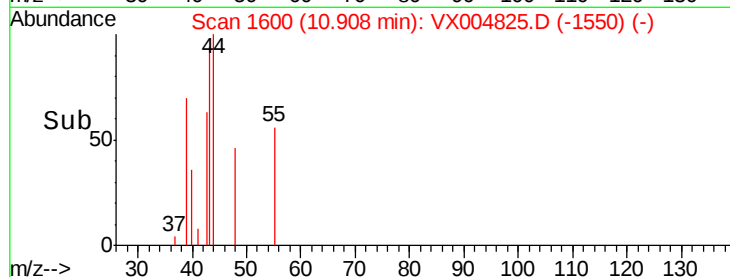
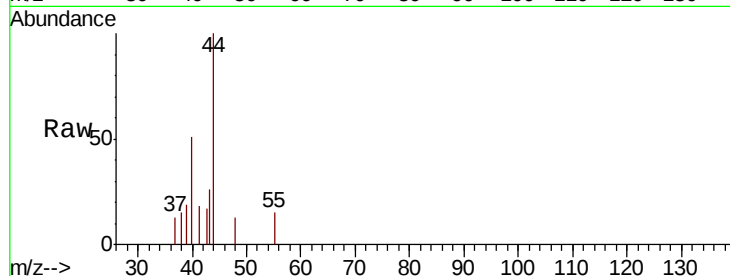
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 28.2 21.8 32.8

61 0.0 20.6 30.8#

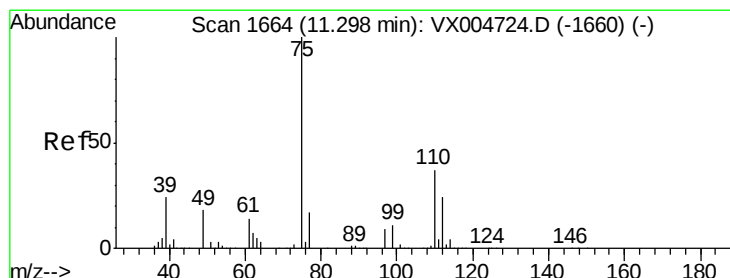
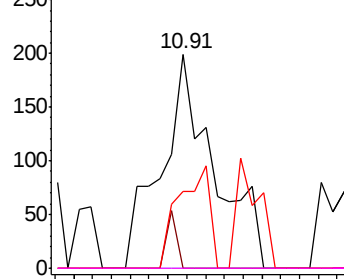


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.640 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004825.D

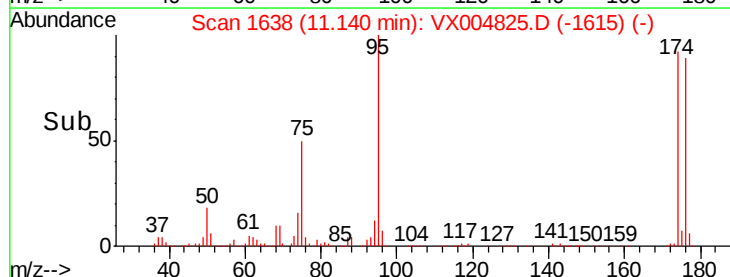
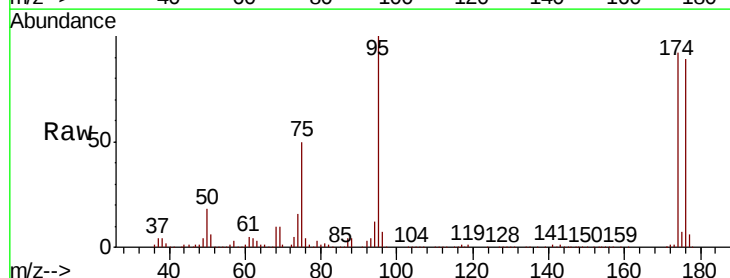
Acq: 28 Sep 2018 16:58

Tgt Ion: 75 Resp: 93096

Ion Ratio Lower Upper

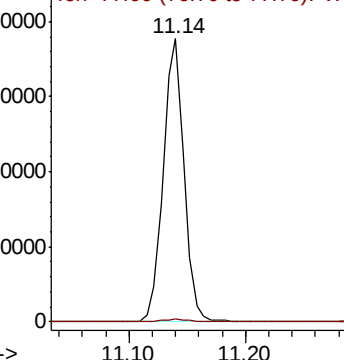
75 100

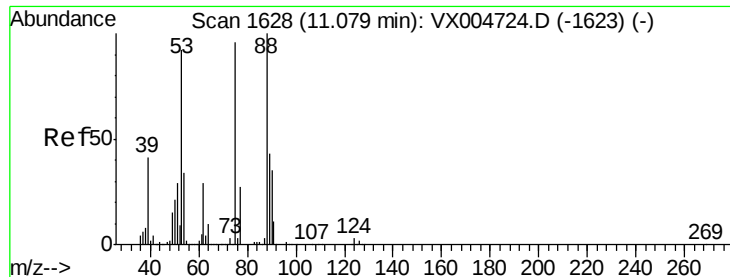
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.661 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

MH-10.25

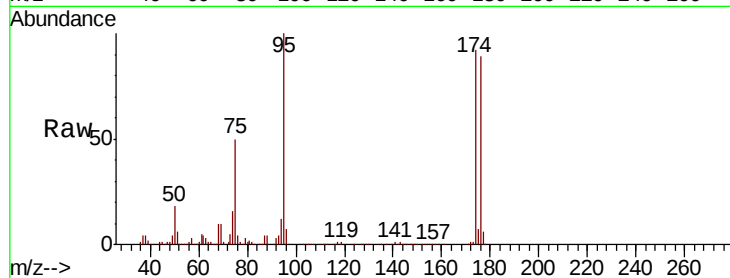
Tot Ion: 75 Resp: 93096

Ion Ratio Lower Upper

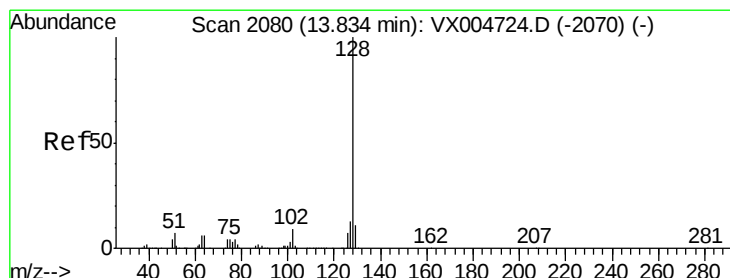
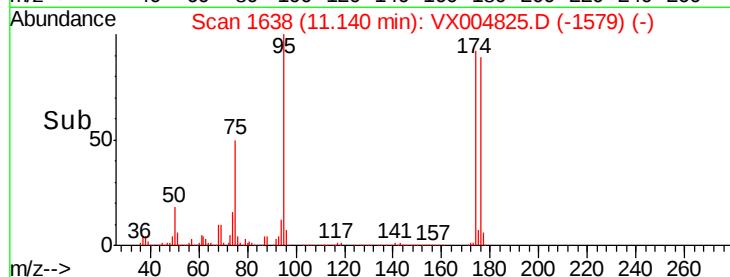
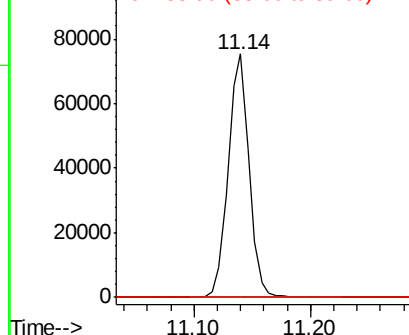
75 100

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: 0.759 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX004825.D

Acq: 28 Sep 2018 16:58

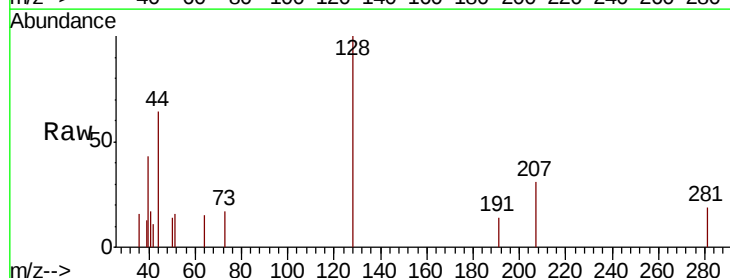
Tgt Ion: 128 Resp: 635

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 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

