

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\
 Data File : VX004848.D
 Acq On : 29 Sep 2018 04:05
 Operator : JC/MD
 Sample : J5134-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-DUP01-20180924

Quant Time: Sep 29 06:39:13 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	5.68	168	249674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	385723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	379864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211672	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	192942	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
35) Dibromofluoromethane	5.49	113	166138	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	8.72	98	560924	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.14	95	204145	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	

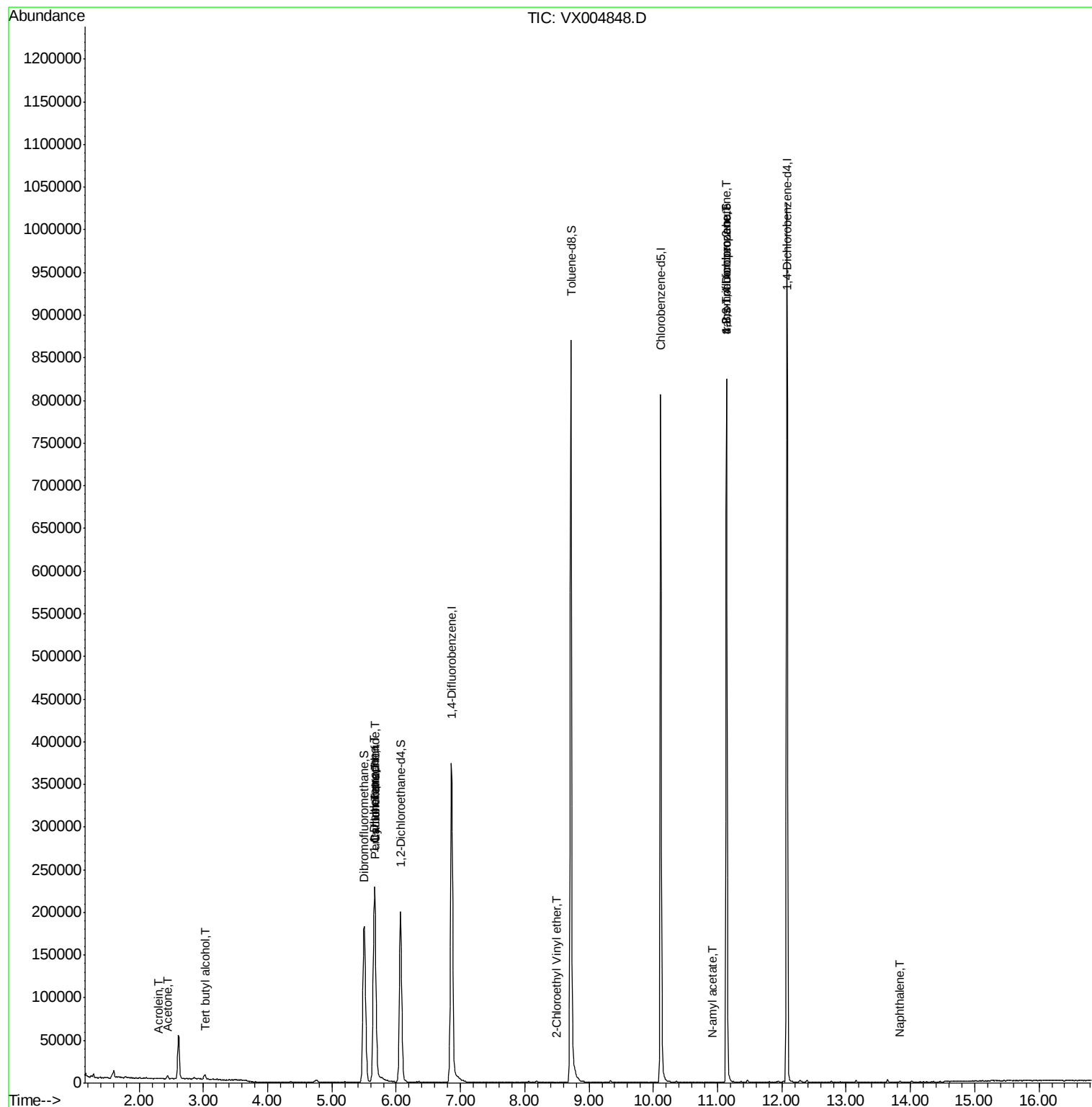
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	323	Below Cal	#	53
11) Tert butyl alcohol	3.03	59	3671	3.681	ug/l #	76
13) Acrolein	2.29	56	189	0.266	ug/l #	40
16) Acetone	2.44	43	3705	1.779	ug/l #	87
20) Methylene Chloride	2.86	84	553	Below Cal		92
31) Cyclohexane	5.67	56	4656	1.026	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	17022	3.816	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22124	4.719	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.50	63	20	14.249	ug/l #	45
74) N-amyl acetate	10.92	43	104	1.762	ug/l #	52
76) 1,2,3-Trichloropropane	11.14	75	101343	21.361	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	183	Below Cal	#	27
81) trans-1,4-Dichloro-2-buten	11.14	75	101343	57.931	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	382	Below Cal		90
95) Naphthalene	13.83	128	531	0.749	ug/l #	81

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 742

Delta R.T. 0.02 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

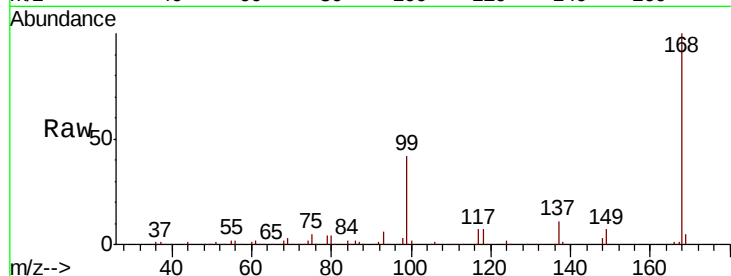
SA-DUP01-20180924

Tot Ion:168 Resp: 249674

Ion Ratio Lower Upper

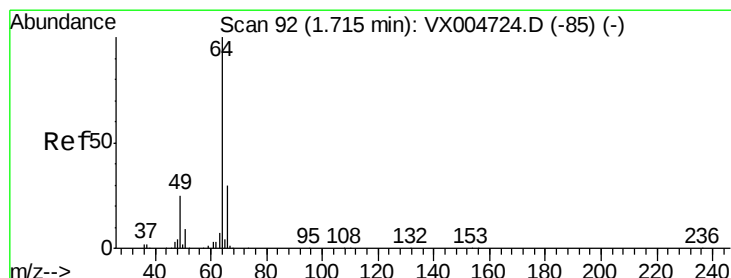
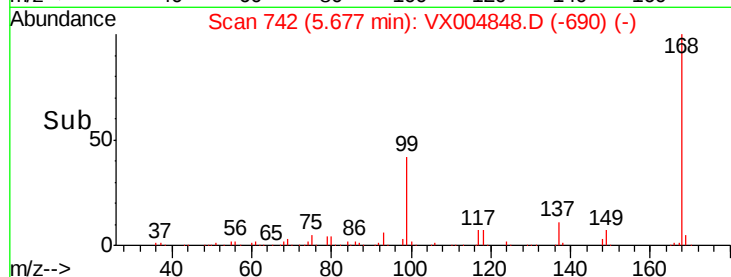
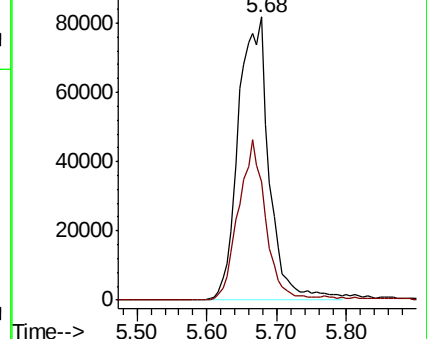
168 100

99 41.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.03 min

Lab File: VX004848.D

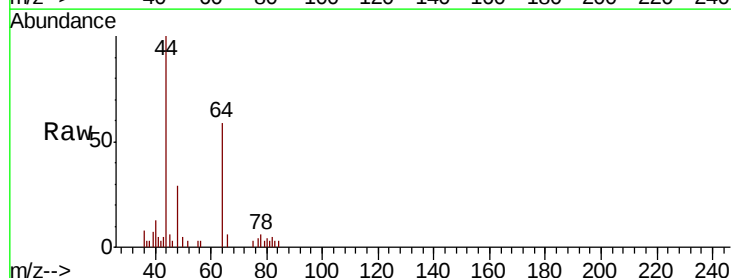
Acq: 29 Sep 2018 04:05

Tgt Ion: 64 Resp: 323

Ion Ratio Lower Upper

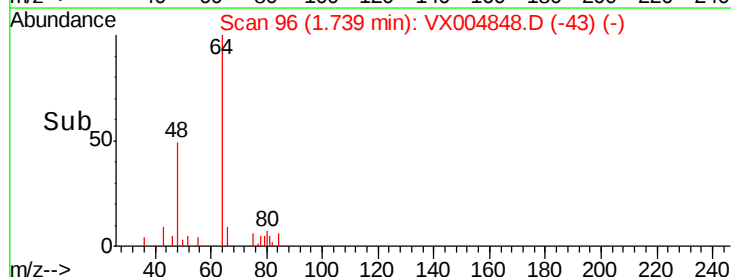
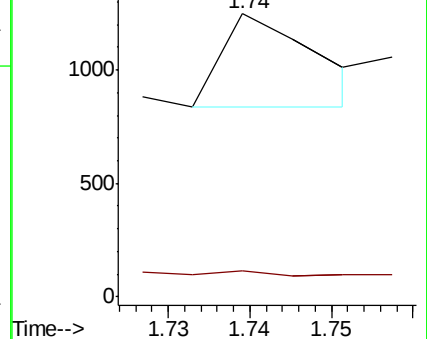
64 100

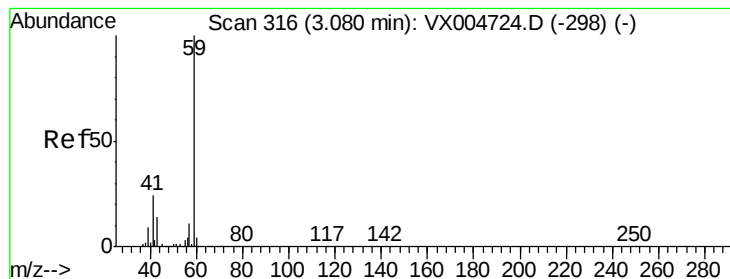
66 4.9 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



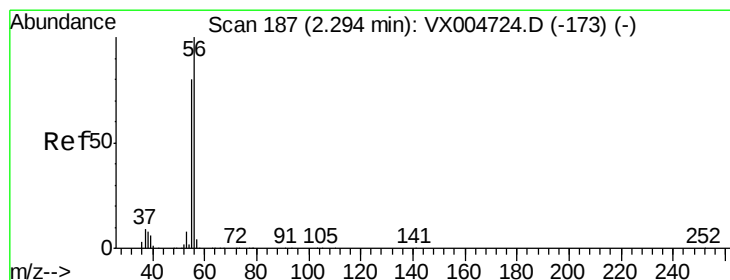
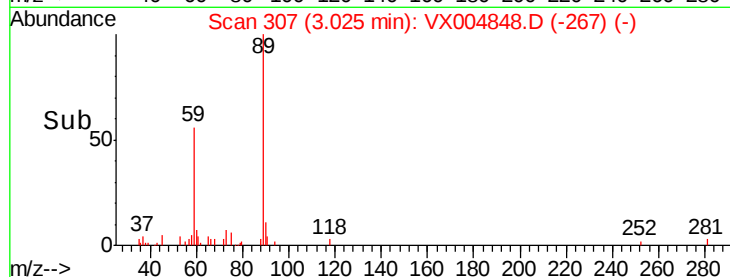
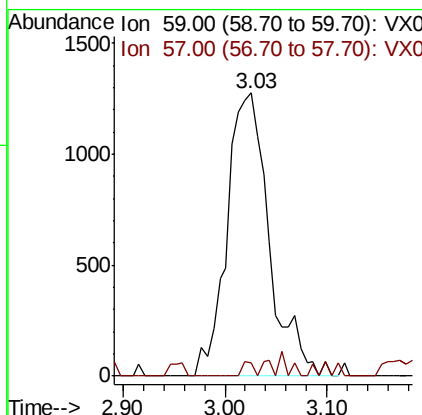
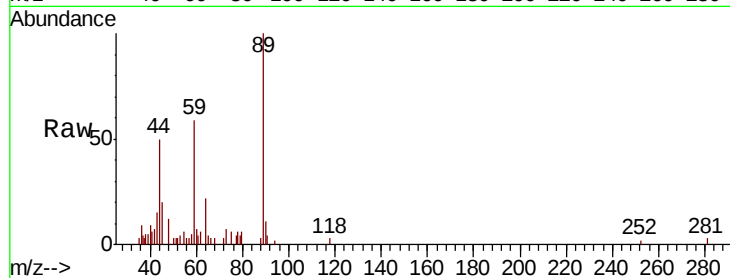


#11

Tert butyl alcohol
 Concen: 3.681 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX004848.D
 Acq: 29 Sep 2018 04:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-DUP01-20180924

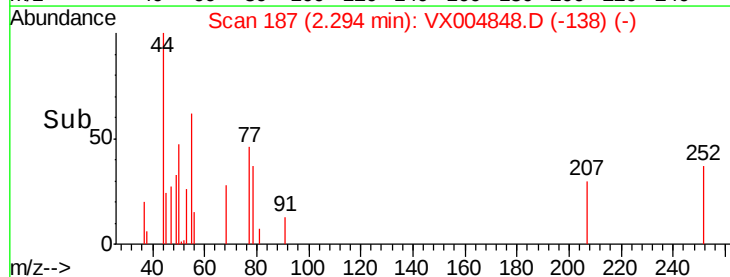
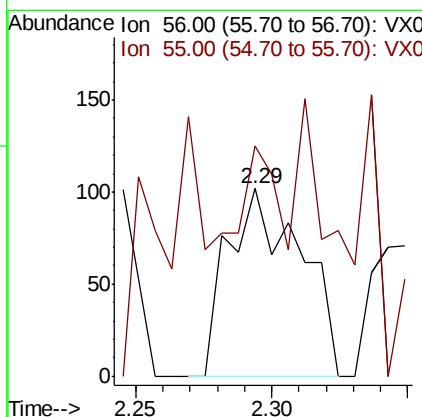
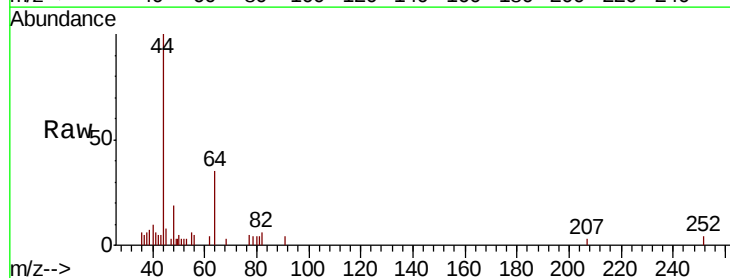
Tot Ion: 59 Resp: 3671
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.2 12.4#

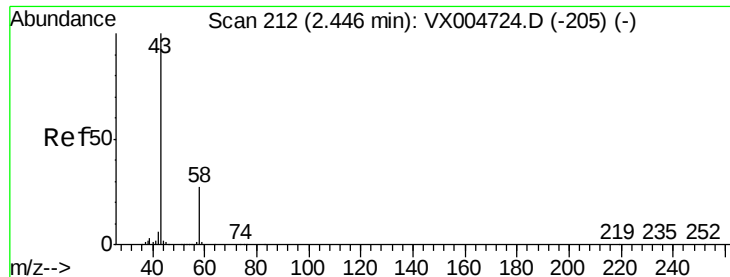


#13

Acrolein
 Concen: 0.266 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX004848.D
 Acq: 29 Sep 2018 04:05

Tgt Ion: 56 Resp: 189
 Ion Ratio Lower Upper
 56 100
 55 20.1 54.7 82.1#





#16

Acetone

Concen: 1.779 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

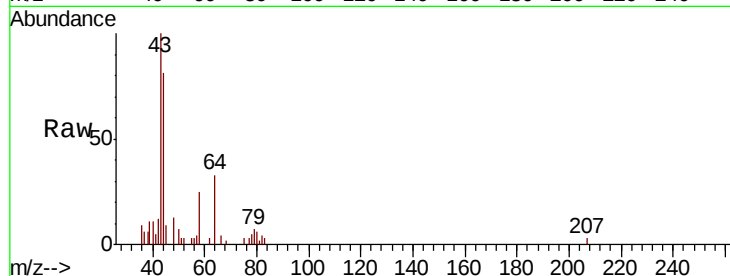
SA-DUP01-20180924

Tot Ion: 43 Resp: 3705

Ion Ratio Lower Upper

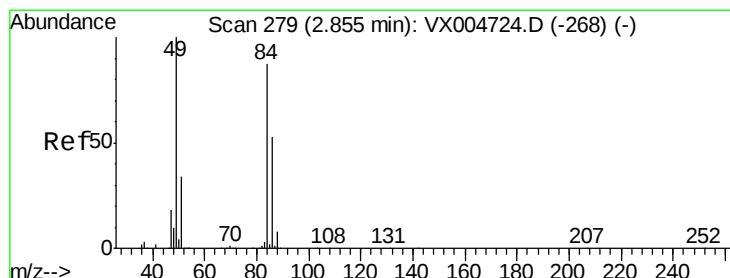
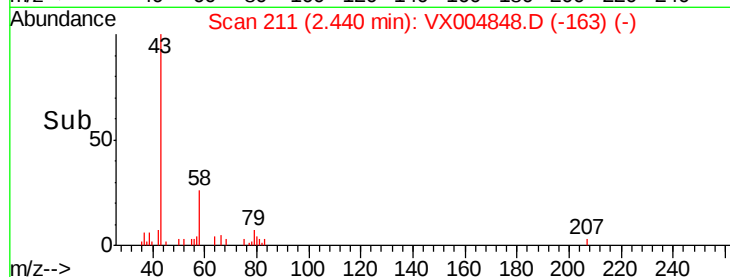
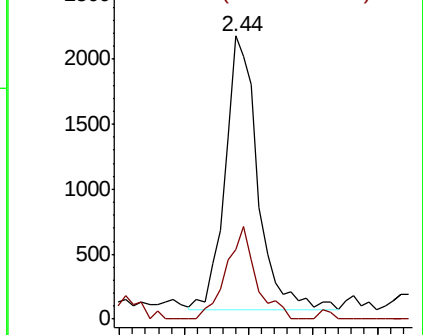
43 100

58 25.6 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

Tgt Ion: 84 Resp: 553

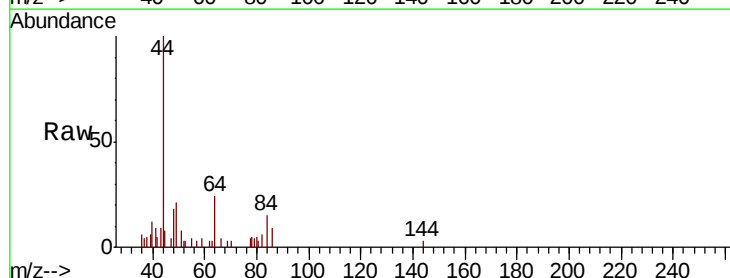
Ion Ratio Lower Upper

84 100

49 138.6 101.2 151.8

51 39.5 29.5 44.3

86 61.1 52.3 78.5

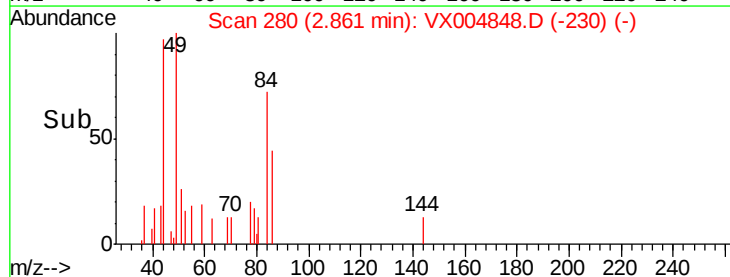
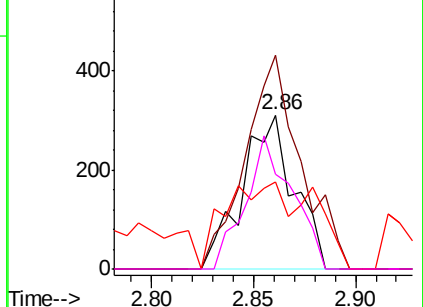


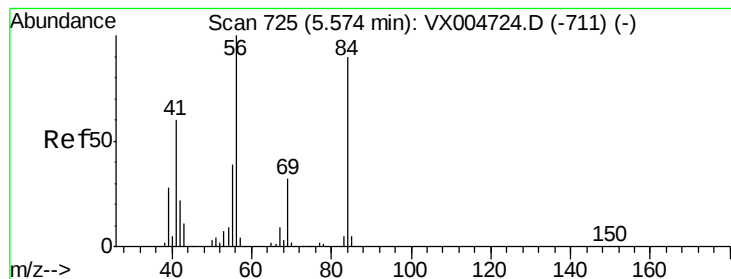
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.026 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP01-20180924

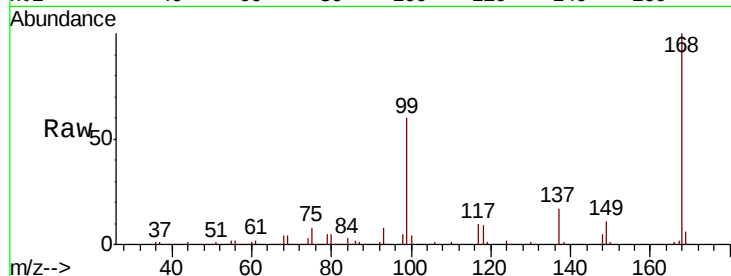
Tot Ion: 56 Resp: 4656

Ion Ratio Lower Upper

56 100

69 185.3 25.4 38.2#

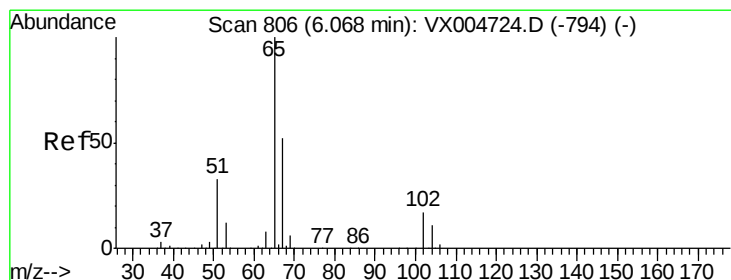
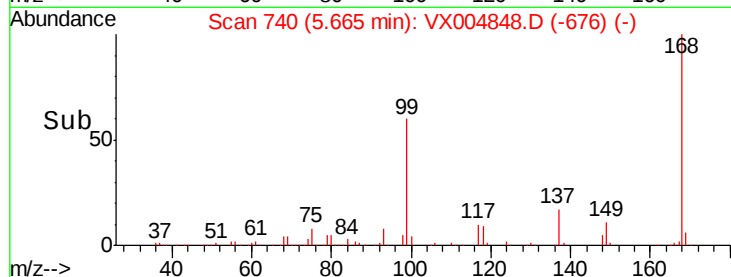
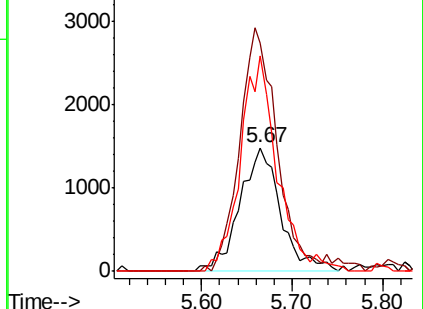
84 174.3 71.4 107.2#



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: 54.097 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004848.D

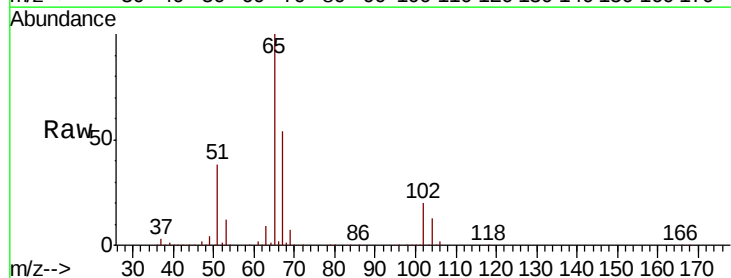
Acq: 29 Sep 2018 04:05

Tgt Ion: 65 Resp: 192942

Ion Ratio Lower Upper

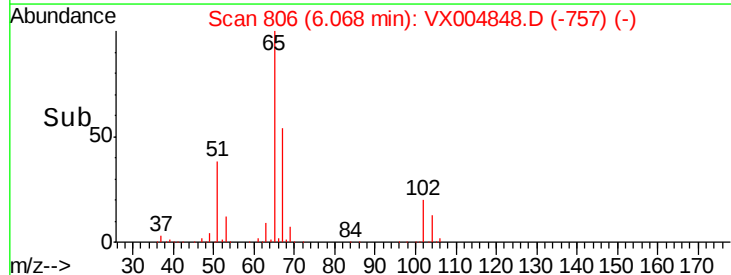
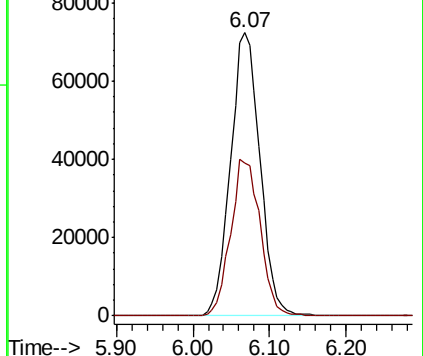
65 100

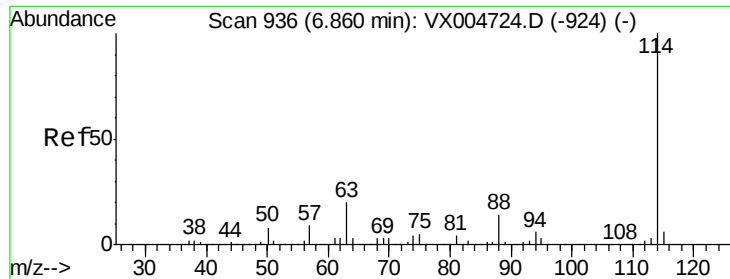
67 55.5 0.0 106.8



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: VX004848.D

Acq: 29 Sep 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP01-20180924

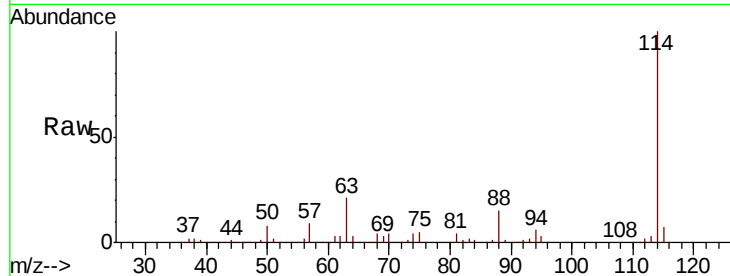
Tot Ion:114 Resp: 385723

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

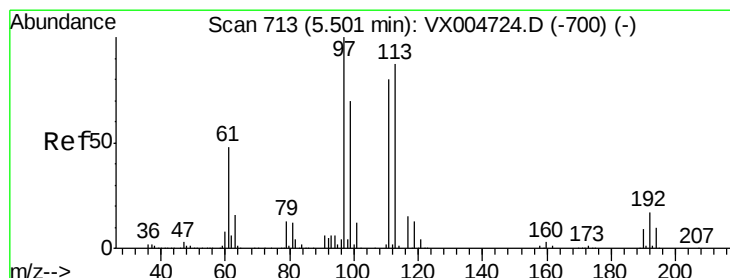
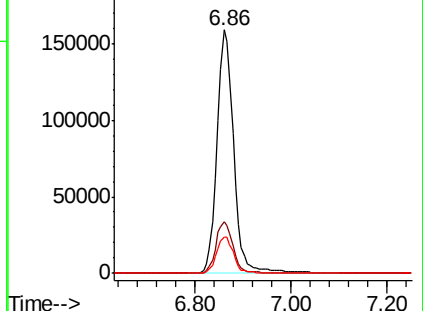
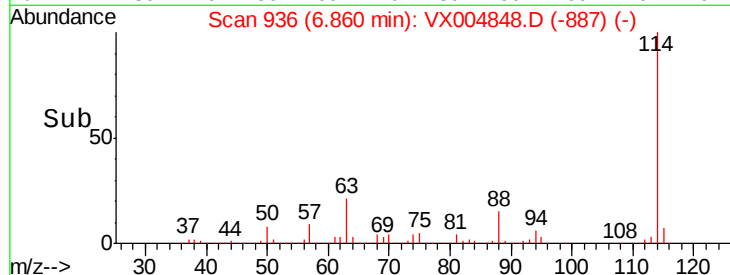
88 14.8 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 50.821 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

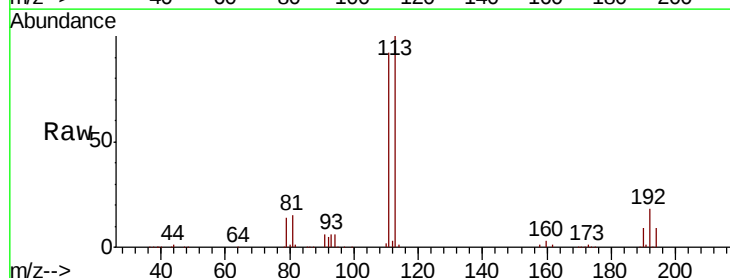
Tgt Ion:113 Resp: 166138

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

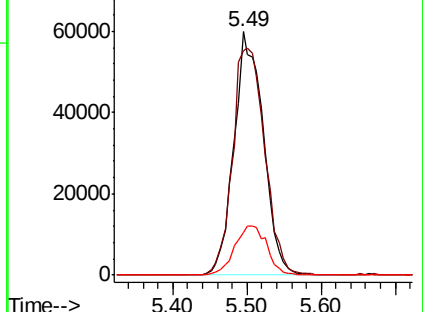
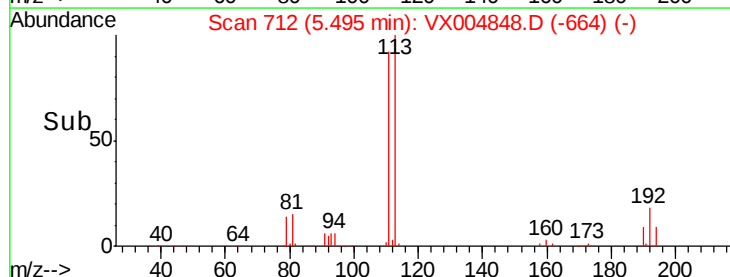
192 22.3 19.4 29.2

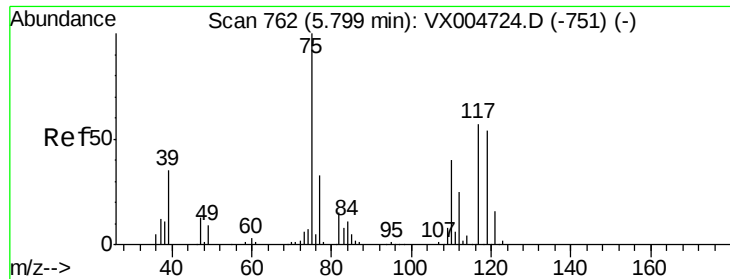


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.816 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

Instrument :

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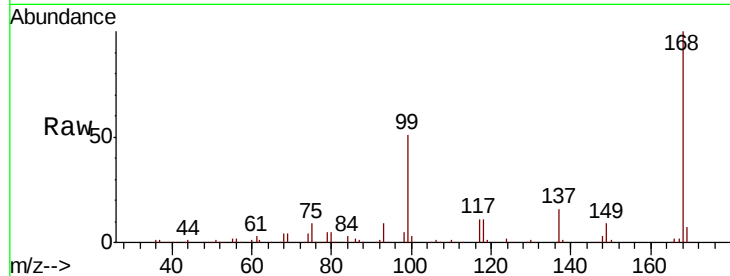
Tot Ion: 75 Resp: 17022

Ion Ratio Lower Upper

75 100

110 9.0 18.0 54.0#

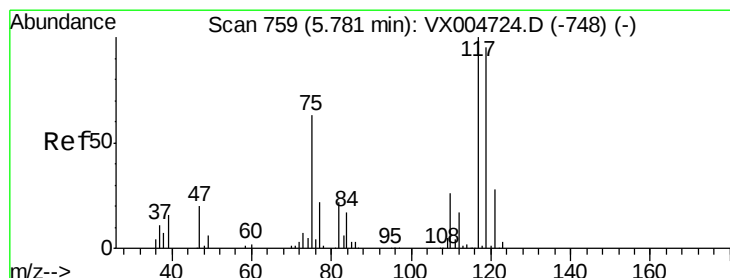
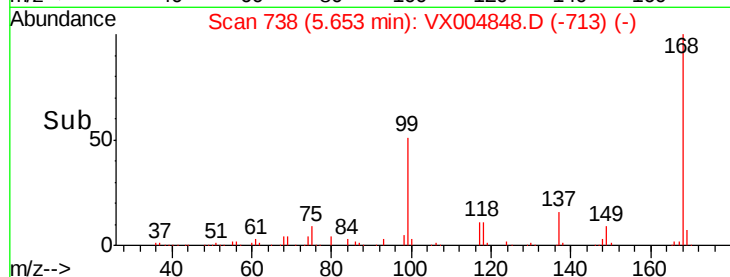
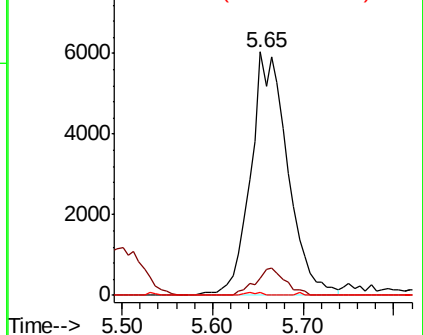
77 0.6 24.6 36.8#



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: 4.719 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

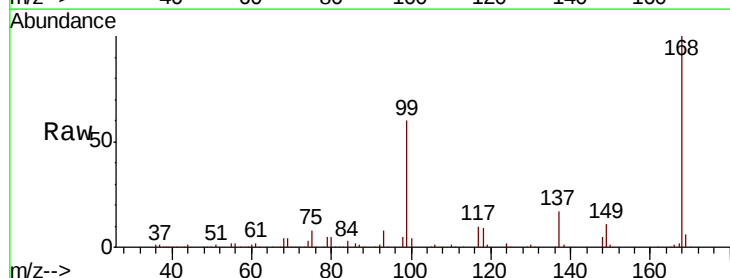
Tgt Ion: 117 Resp: 22124

Ion Ratio Lower Upper

117 100

119 5.3 78.8 118.2#

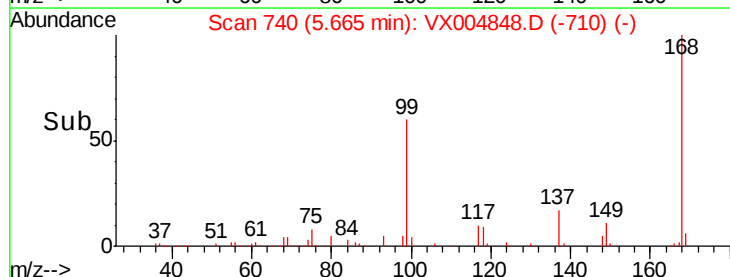
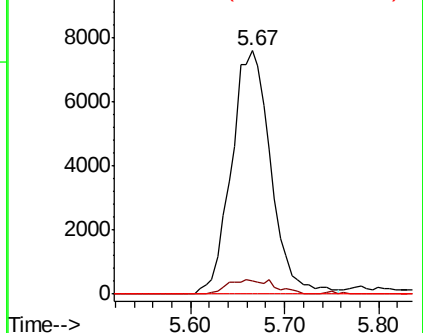
121 0.0 24.9 37.3#

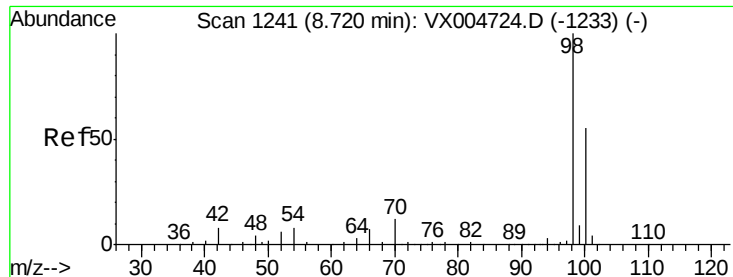


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

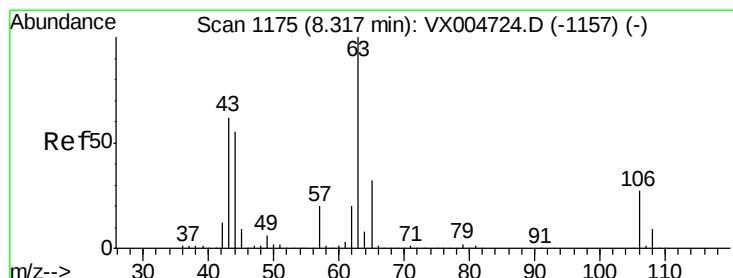
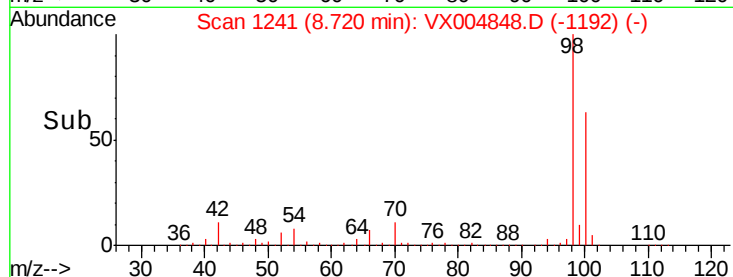
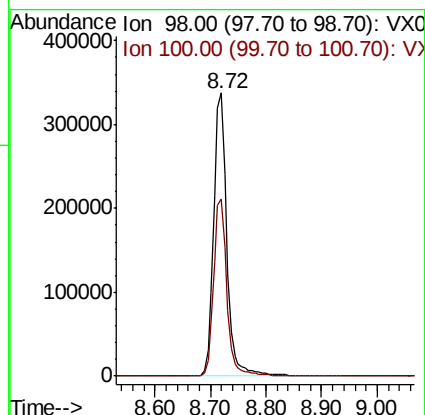
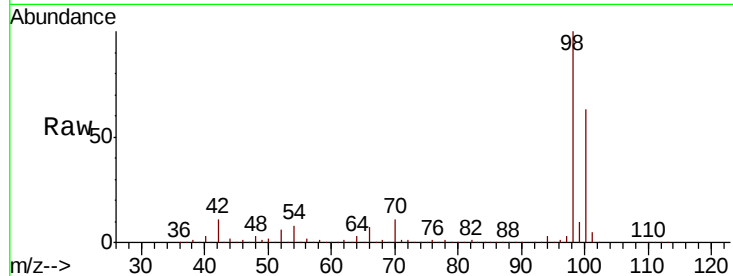




#50
Toluene-d8
Concen: 51.613 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004848.D
Acq: 29 Sep 2018 04:05

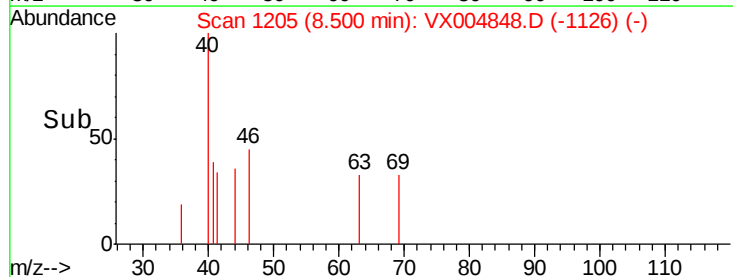
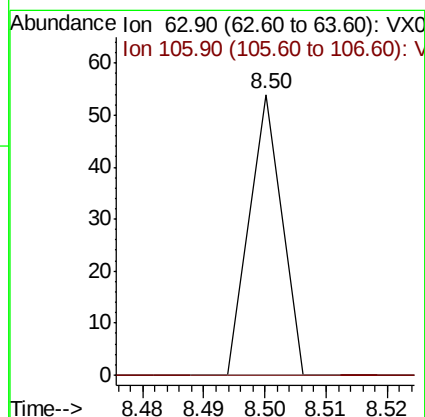
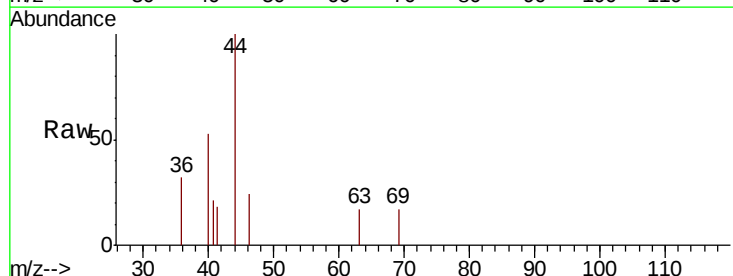
Instrument :
MSVOA_X
ClientSampleId :
SA-DUP01-20180924

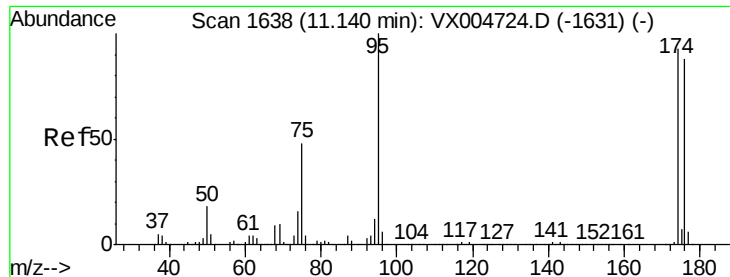
Tot Ion: 98 Resp: 560924
Ion Ratio Lower Upper
98 100
100 63.2 52.9 79.3



#58
2-Chloroethyl Vinyl ether
Concen: 14.249 ug/l
RT: 8.50 min Scan# 1205
Delta R.T. 0.18 min
Lab File: VX004848.D
Acq: 29 Sep 2018 04:05

Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#





#62

4-Bromofluorobenzene

Concen: 52.141 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP01-20180924

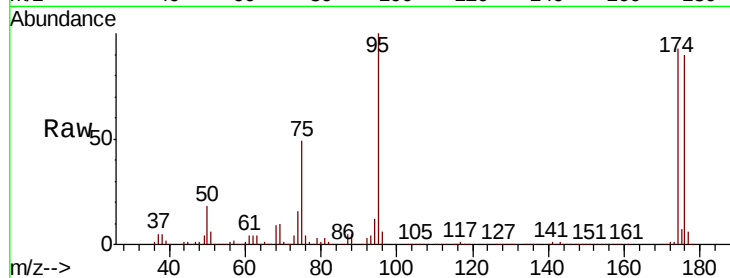
Tot Ion: 95 Resp: 204145

Ion Ratio Lower Upper

95 100

174 92.0 0.0 185.2

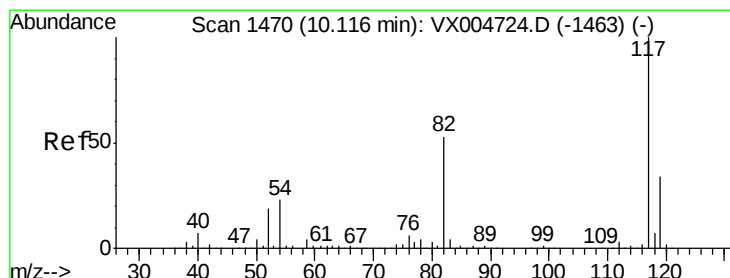
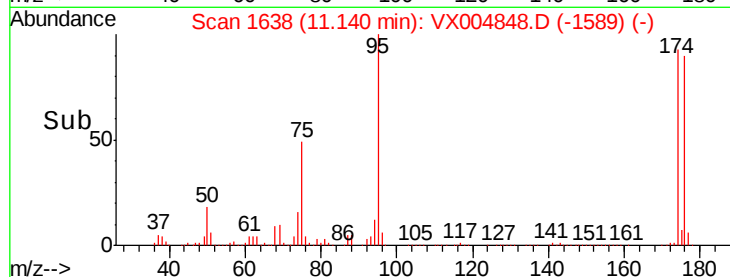
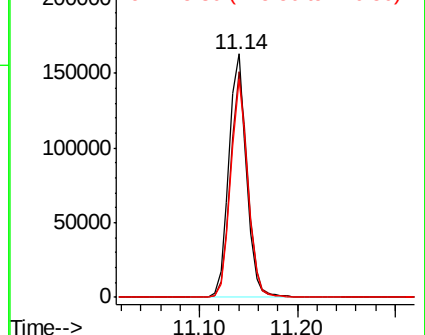
176 87.6 0.0 178.6



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: VX004848.D

Acq: 29 Sep 2018 04:05

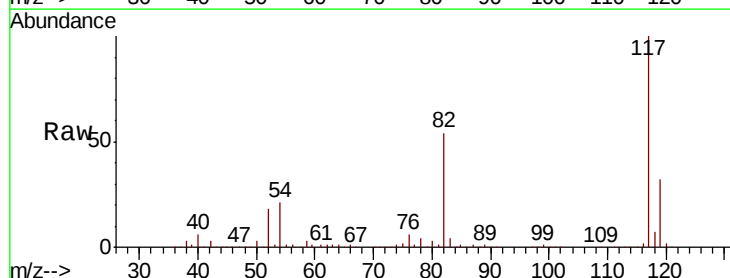
Tgt Ion: 117 Resp: 379864

Ion Ratio Lower Upper

117 100

82 54.2 47.8 71.6

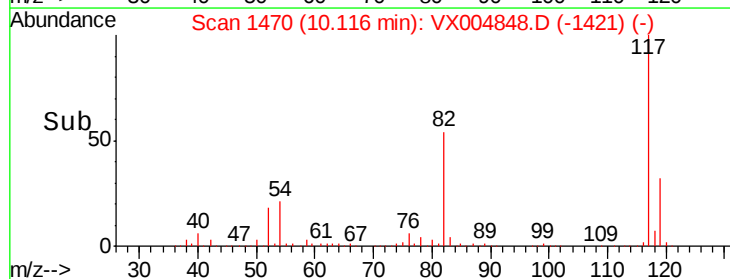
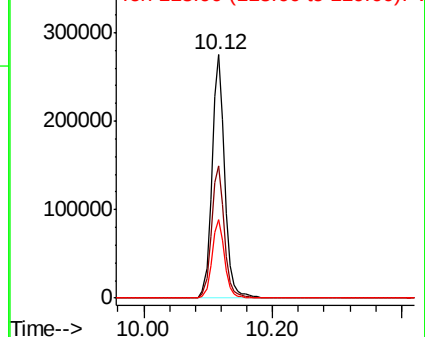
119 32.0 29.3 43.9

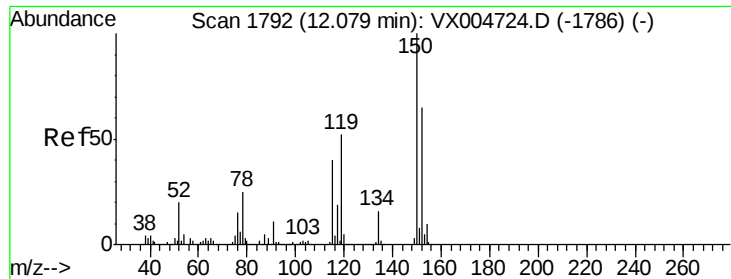


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP01-20180924

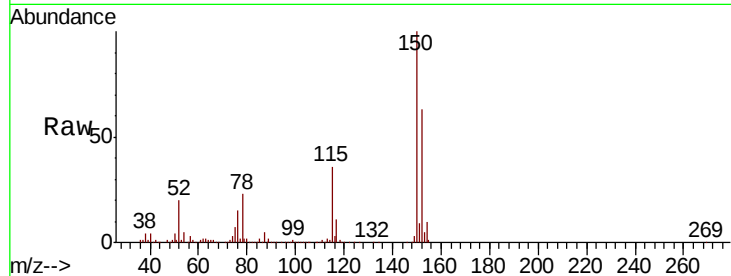
Tot Ion:152 Resp: 211672

Ion Ratio Lower Upper

152 100

115 56.1 39.0 117.0

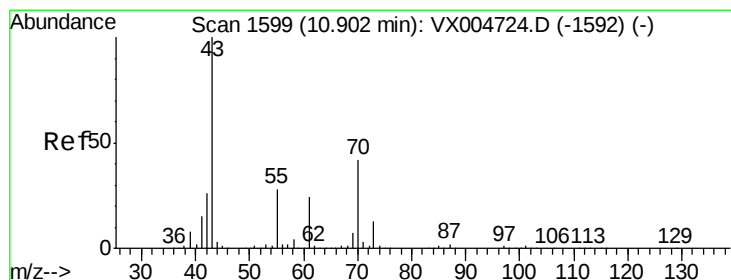
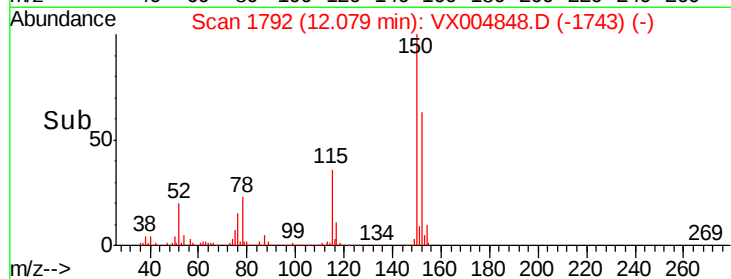
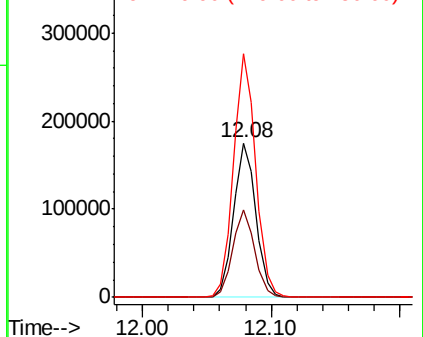
150 157.3 0.0 351.0



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: 1.762 ug/l

RT: 10.92 min Scan# 1602

Delta R.T. 0.02 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

Tgt Ion: 43 Resp: 104

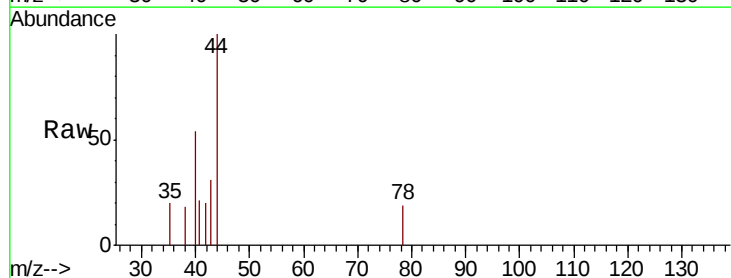
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 24.0 21.8 32.8

61 0.0 20.6 30.8#

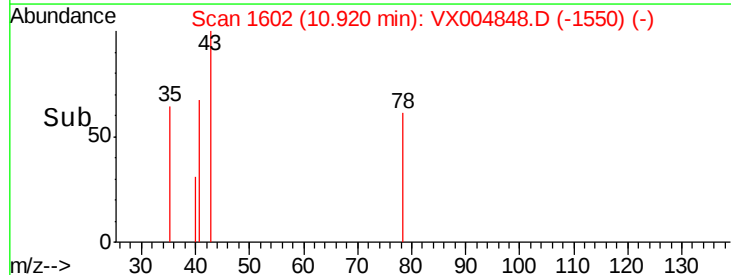
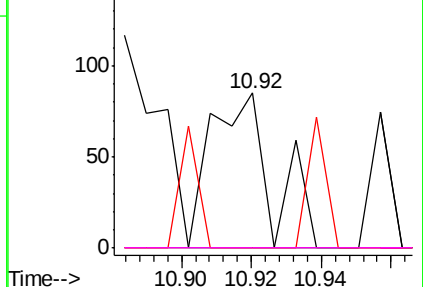


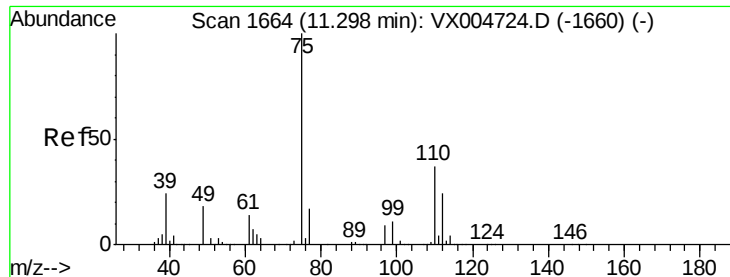
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.361 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

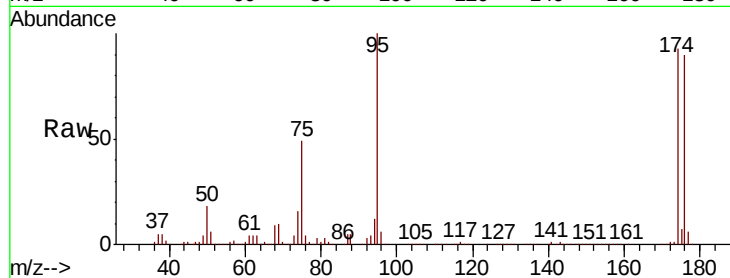
SA-DUP01-20180924

Tot Ion: 75 Resp: 101343

Ion Ratio Lower Upper

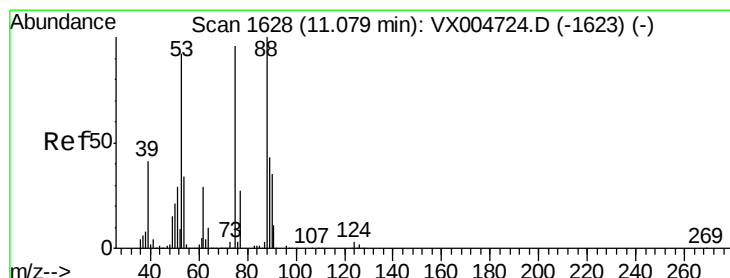
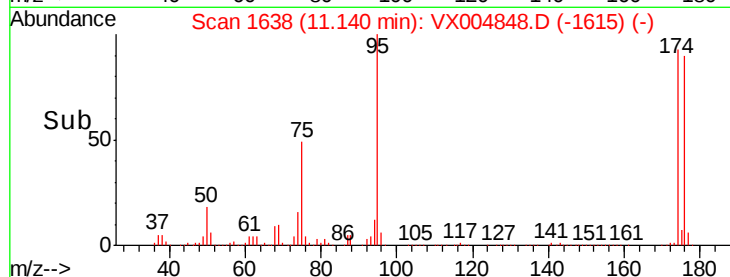
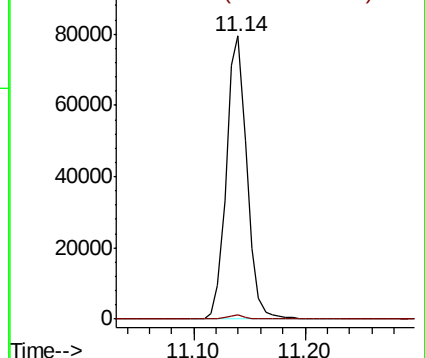
75 100

77 1.4 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: 57.931 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

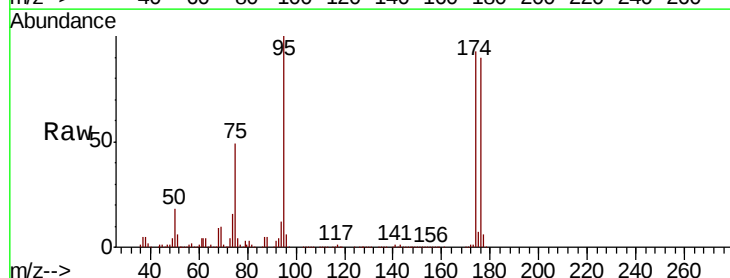
Tgt Ion: 75 Resp: 101343

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

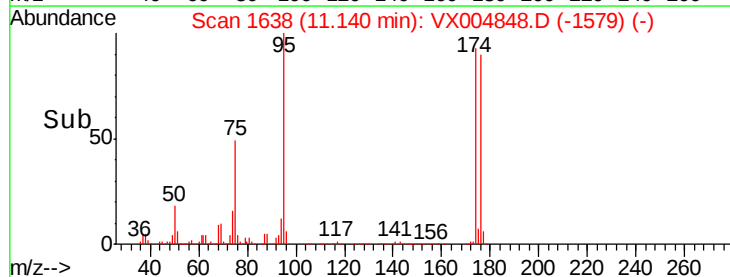
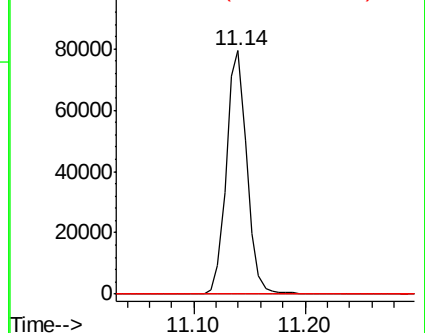
89 0.0 37.2 55.8#

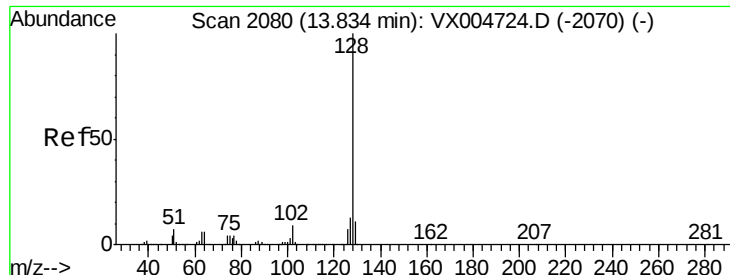


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.749 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004848.D

Acq: 29 Sep 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP01-20180924

Tot Ion:128 Resp: 531

Ion Ratio Lower Upper

128 100

127 20.9 10.2 15.2#

129 4.1 8.6 12.8#

