

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004878.D
 Acq On : 01 Oct 2018 18:36
 Operator : JC/MD
 Sample : J5135-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-DUP03-20180926

Quant Time: Oct 02 02:42:05 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	209298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181409	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	164073	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
35) Dibromofluoromethane	5.50	113	138291	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	8.72	98	495983	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	11.14	95	173882	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

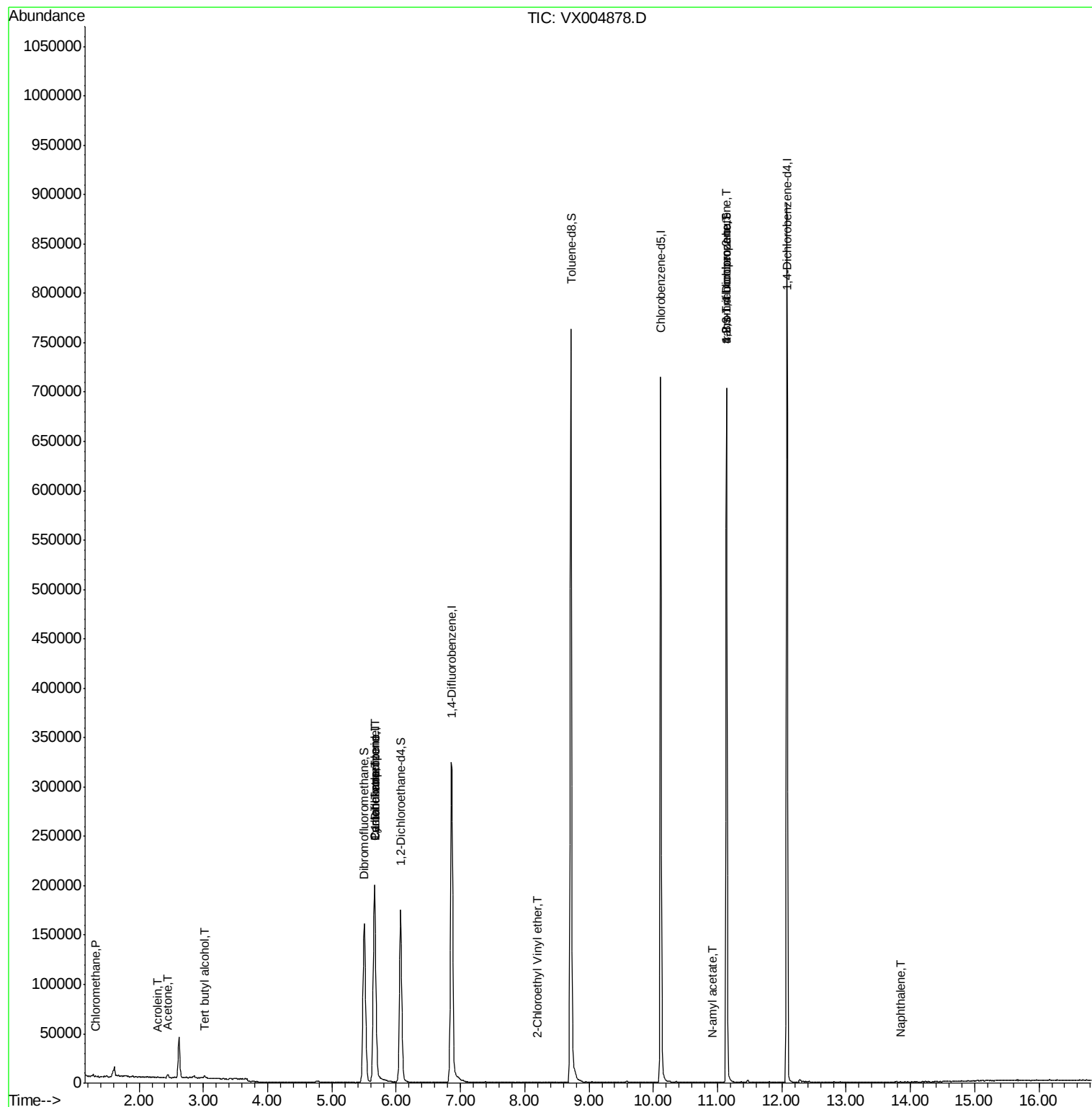
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	721	0.208	ug/l #	88
6) Chloroethane	1.69	64	255	Below Cal	#	44
11) Tert butyl alcohol	3.01	59	1987	2.377	ug/l #	92
13) Acrolein	2.29	56	376	0.632	ug/l #	16
16) Acetone	2.45	43	3803	2.179	ug/l	97
20) Methylene Chloride	2.86	84	961	Below Cal	#	84
31) Cyclohexane	5.66	56	4031	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14241	3.625	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18607	4.506	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.20	63	22	14.250	ug/l #	45
74) N-amyl acetate	10.92	43	66	1.758	ug/l #	51
76) 1,2,3-Trichloropropane	11.14	75	86389	21.246	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	34	Below Cal	#	27
81) trans-1,4-Dichloro-2-buten	11.14	75	86389	57.631	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	242	Below Cal		85
95) Naphthalene	13.83	128	399	0.746	ug/l #	77

(#) = 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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

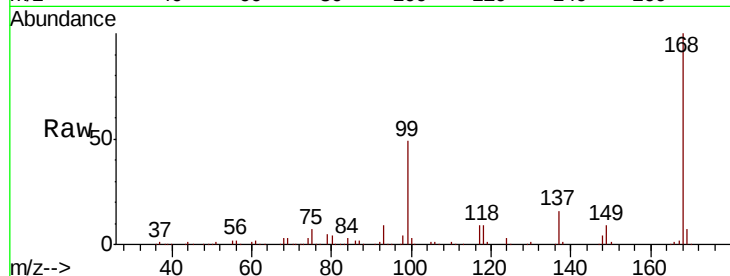
SA-DUP03-20180926

Tot Ion:168 Resp: 209298

Ion Ratio Lower Upper

168 100

99 48.7 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

80000

60000

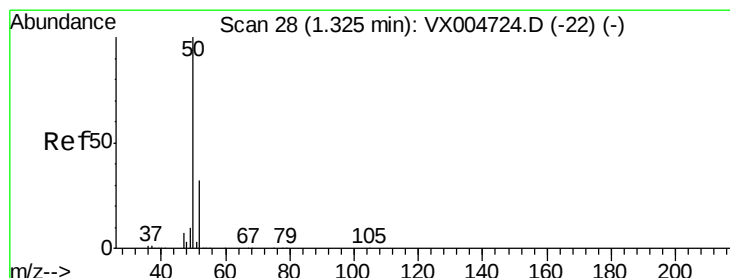
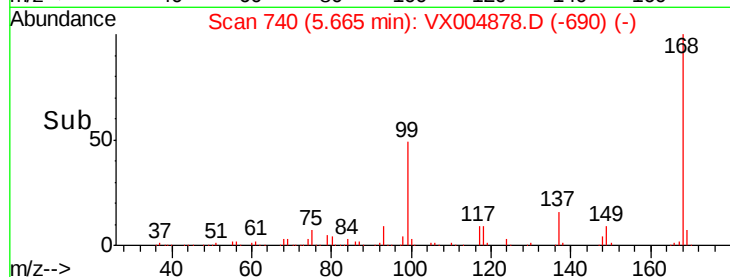
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.208 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004878.D

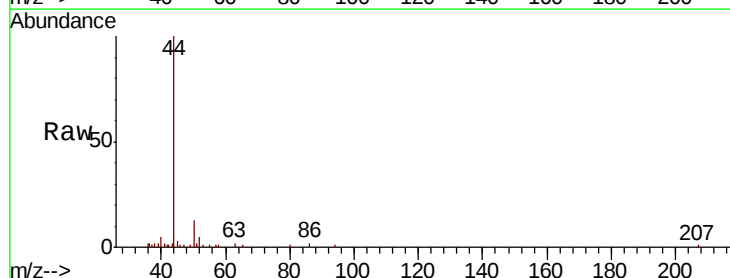
Acq: 01 Oct 2018 18:36

Tgt Ion: 50 Resp: 721

Ion Ratio Lower Upper

50 100

52 25.7 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

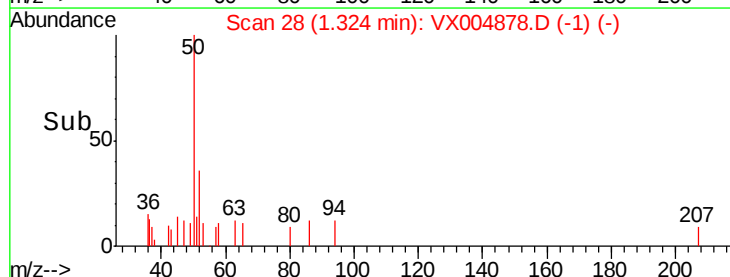
400

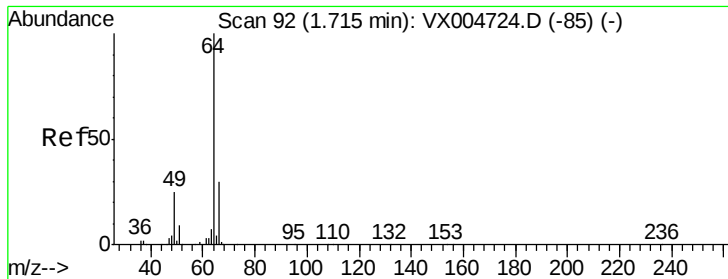
200

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

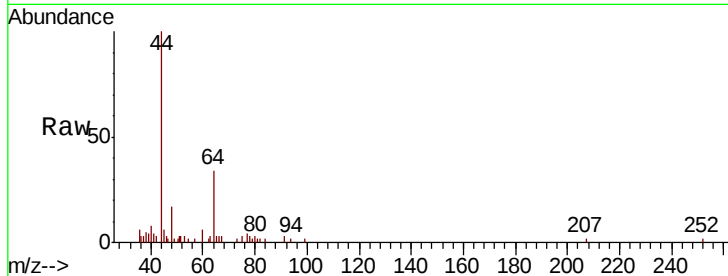
SA-DUP03-20180926

Tot Ion: 64 Resp: 255

Ion Ratio Lower Upper

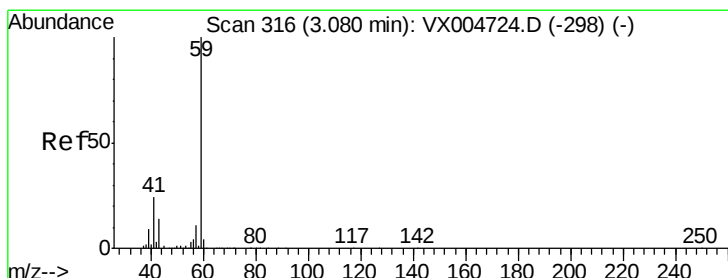
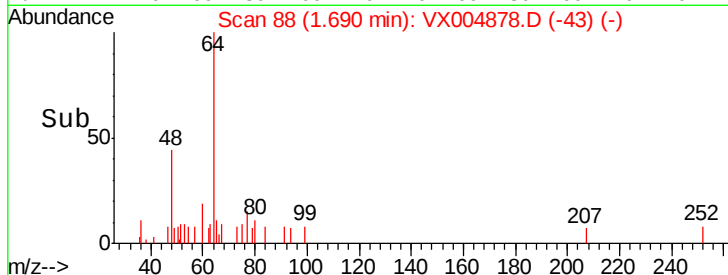
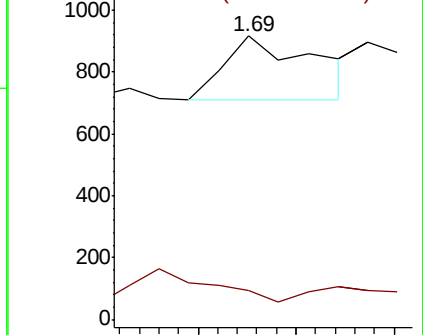
64 100

66 0.0 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: 2.377 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.07 min

Lab File: VX004878.D

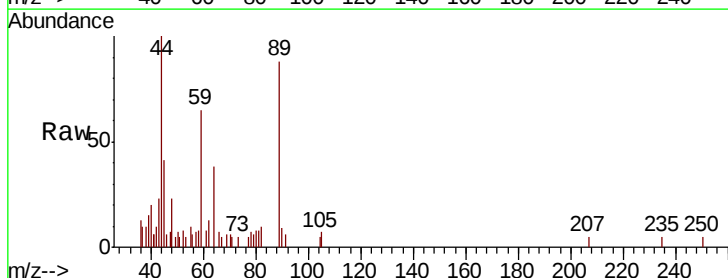
Acq: 01 Oct 2018 18:36

Tgt Ion: 59 Resp: 1987

Ion Ratio Lower Upper

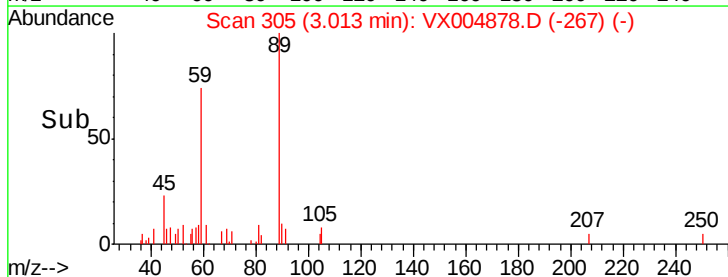
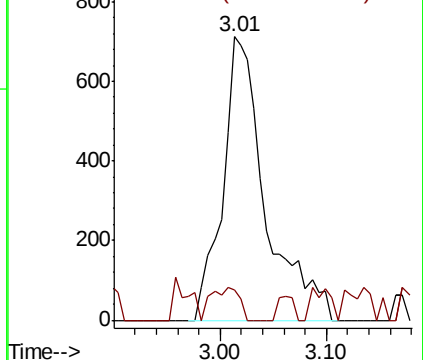
59 100

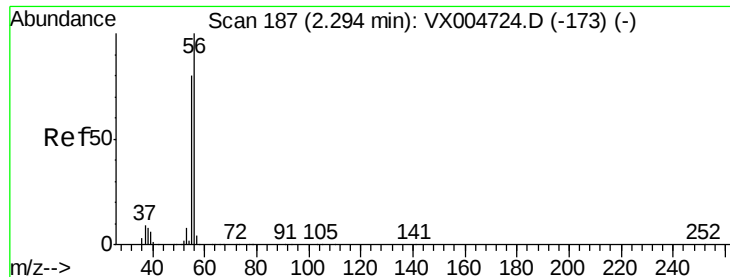
57 7.4 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.632 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

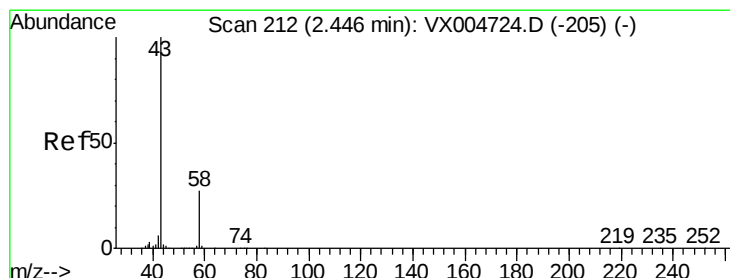
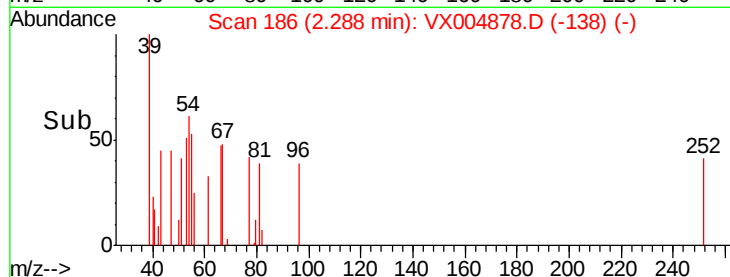
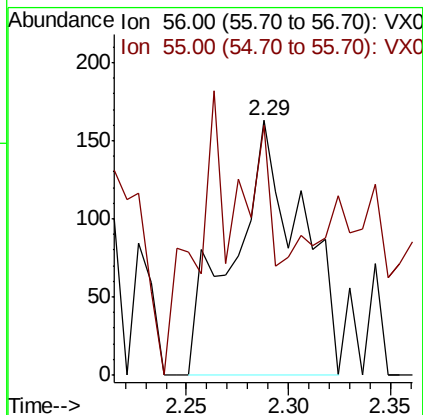
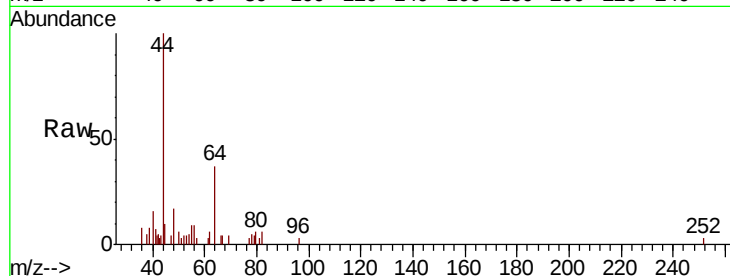
SA-DUP03-20180926

Tot Ion: 56 Resp: 376

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#16

Acetone

Concen: 2.179 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004878.D

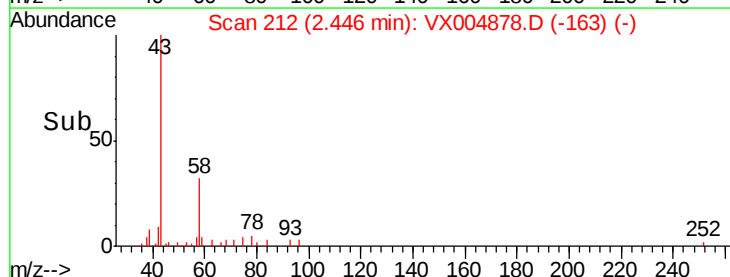
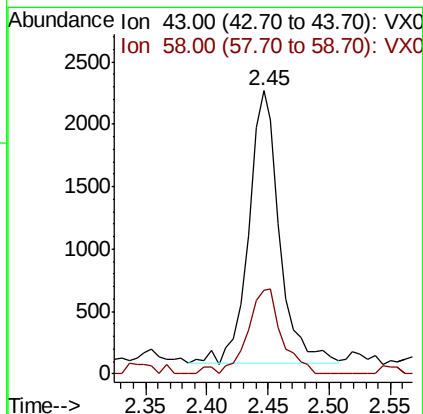
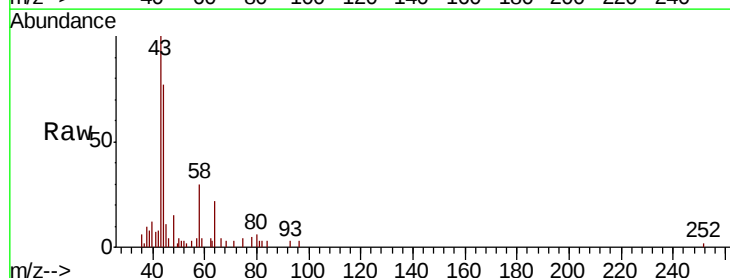
Acq: 01 Oct 2018 18:36

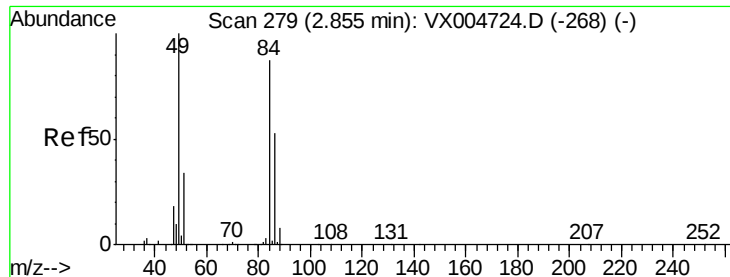
Tgt Ion: 43 Resp: 3803

Ion Ratio Lower Upper

43 100

58 30.9 26.2 39.4





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP03-20180926

Tot Ion: 84 Resp: 961

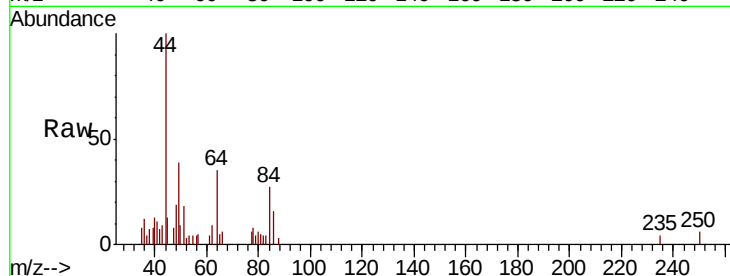
Ion Ratio Lower Upper

84 100

49 144.8 101.2 151.8

51 57.0 29.5 44.3#

86 60.4 52.3 78.5

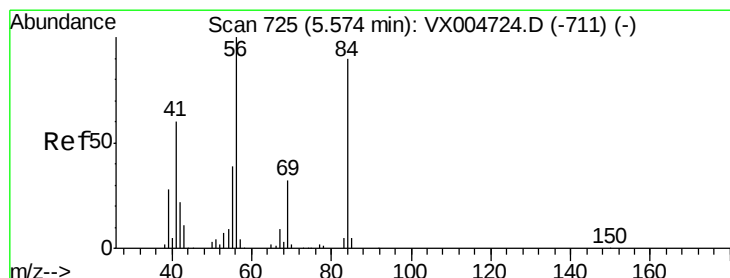
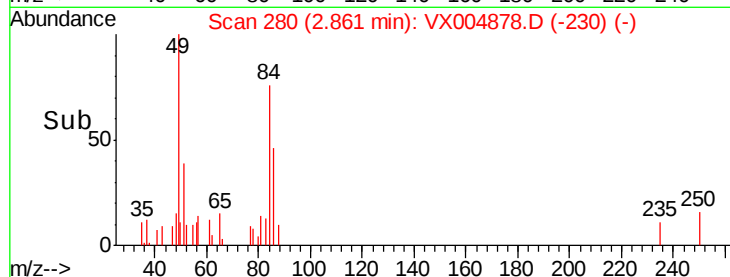
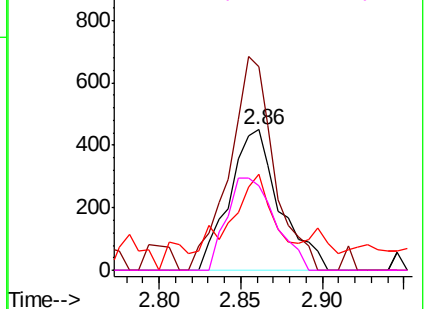


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.060 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

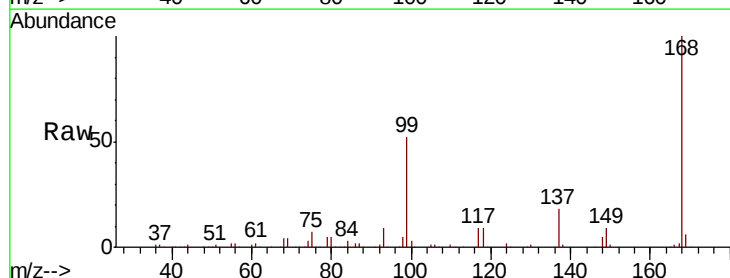
Tgt Ion: 56 Resp: 4031

Ion Ratio Lower Upper

56 100

69 201.1 25.4 38.2#

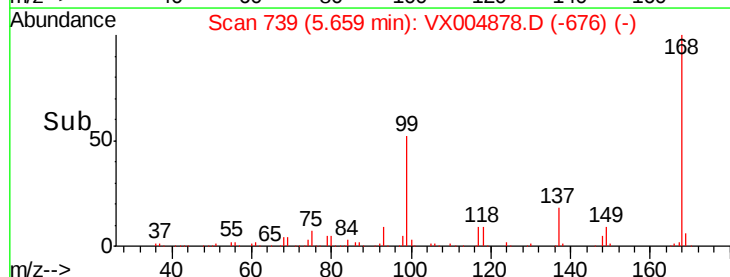
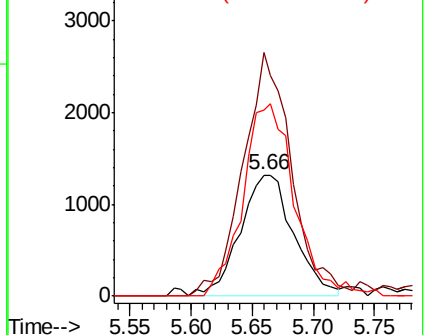
84 153.2 71.4 107.2#

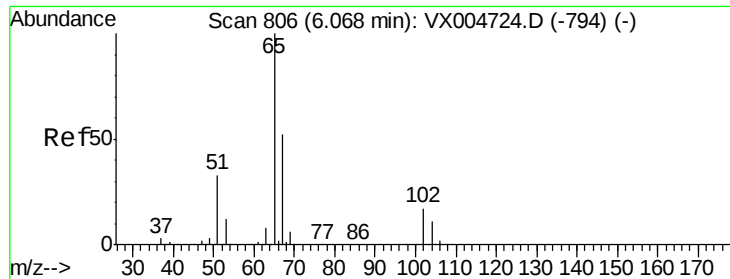


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.877 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

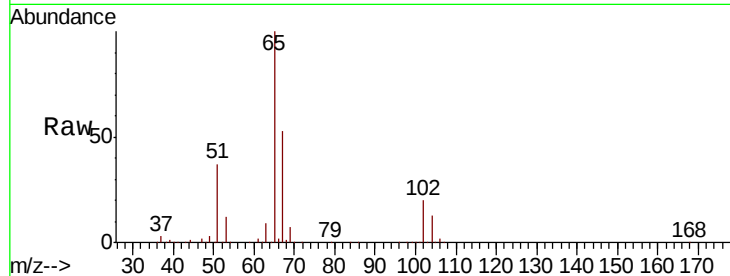
SA-DUP03-20180926

Tot Ion: 65 Resp: 164073

Ion Ratio Lower Upper

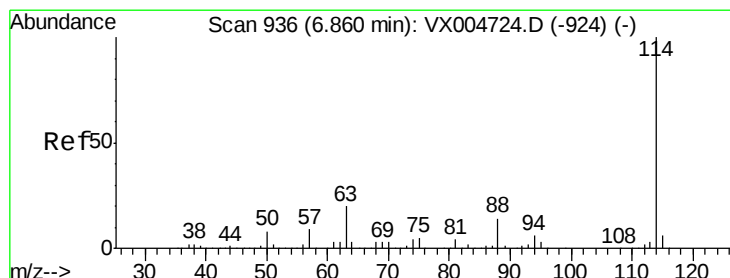
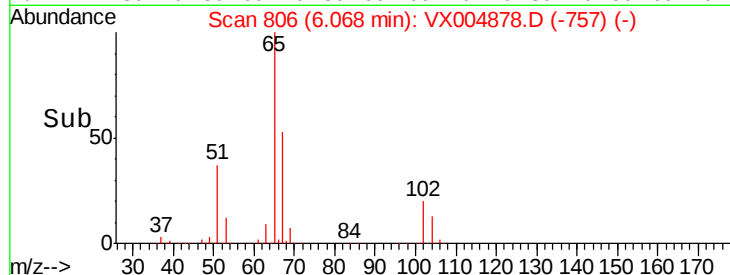
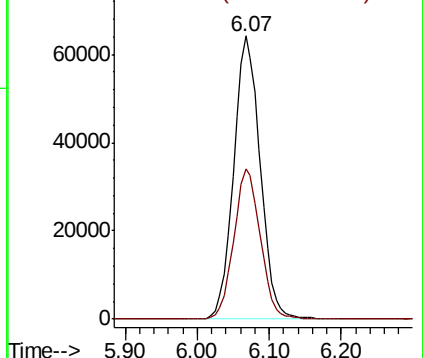
65 100

67 53.1 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: VX004878.D

Acq: 01 Oct 2018 18:36

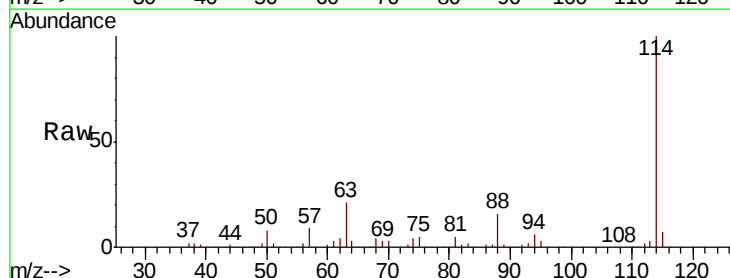
Tgt Ion: 114 Resp: 339719

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

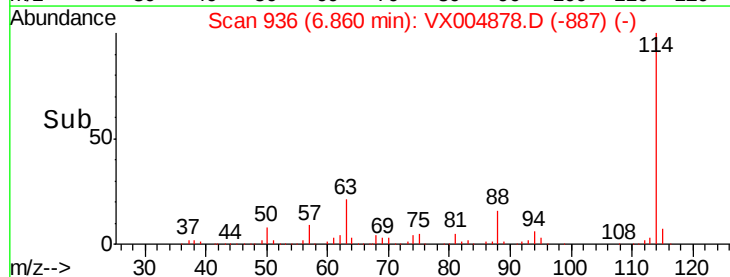
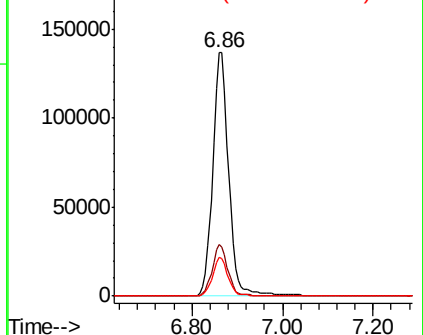
88 16.2 0.0 30.4

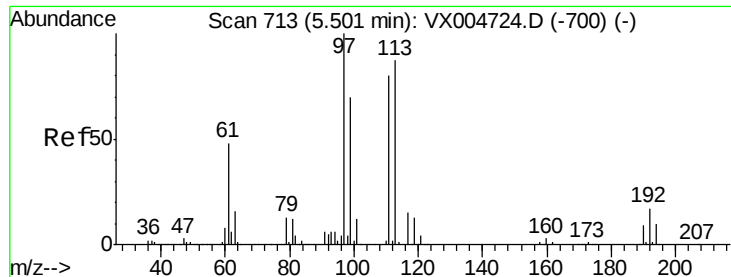


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

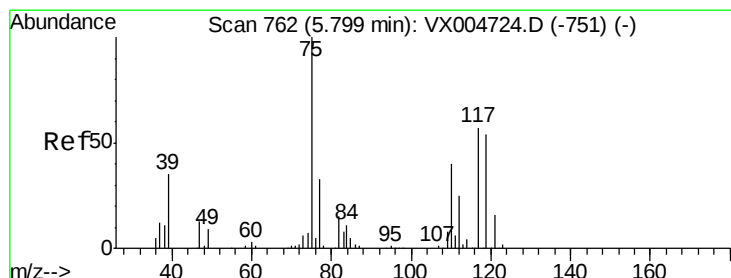
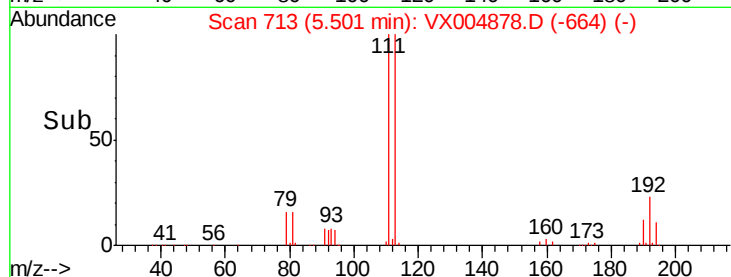
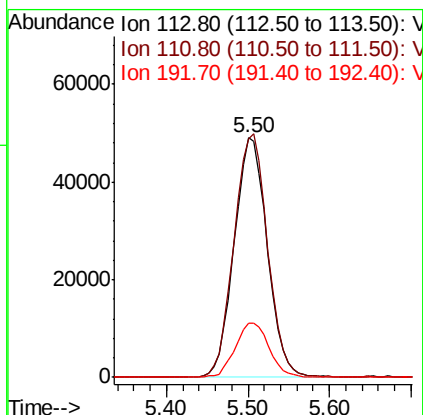
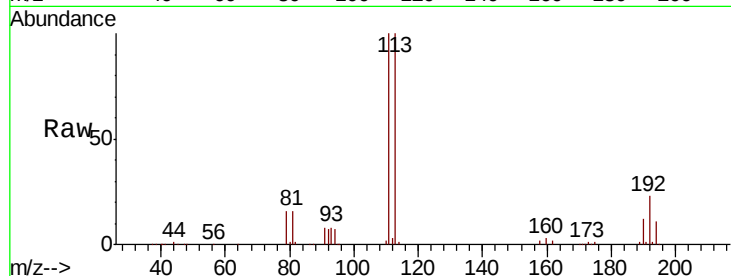




#35
 Dibromofluoromethane
 Concen: 48.032 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004878.D
 Acq: 01 Oct 2018 18:36

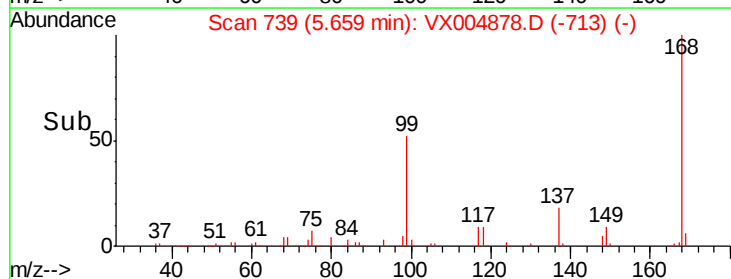
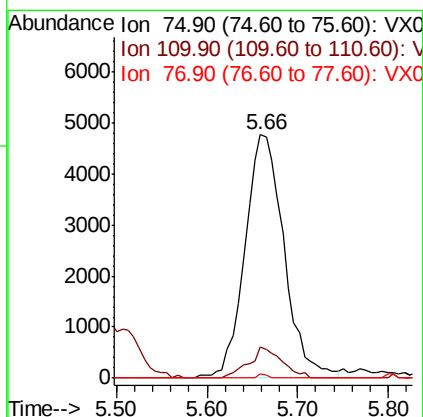
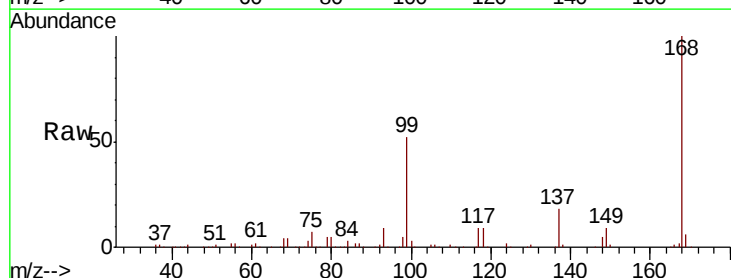
Instrument :
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 SA-DUP03-20180926

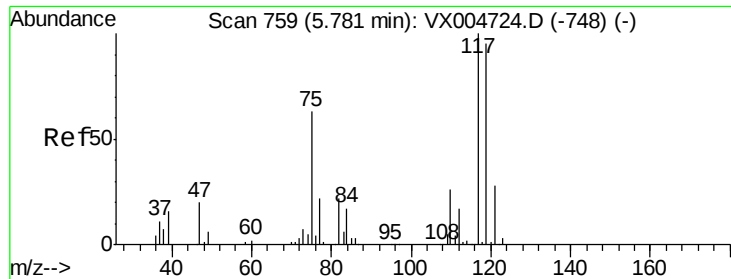
Tot Ion:113 Resp: 138291
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 23.2 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.625 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004878.D
 Acq: 01 Oct 2018 18:36

Tgt Ion: 75 Resp: 14241
 Ion Ratio Lower Upper
 75 100
 110 10.8 18.0 54.0#
 77 0.4 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.506 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP03-20180926

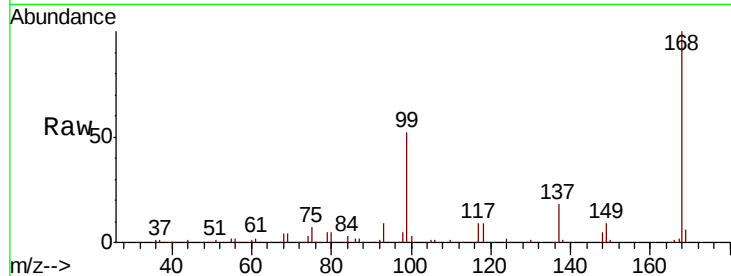
Tot Ion:117 Resp: 18607

Ion Ratio Lower Upper

117 100

119 4.9 78.8 118.2#

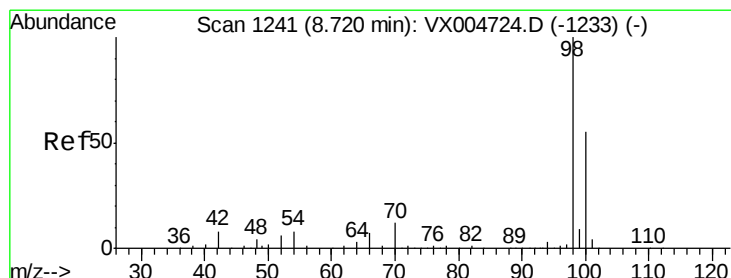
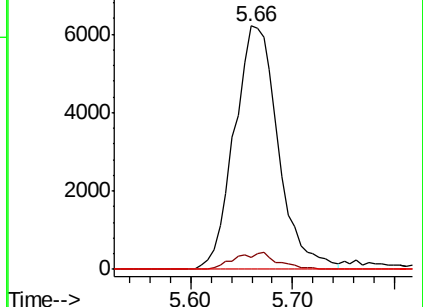
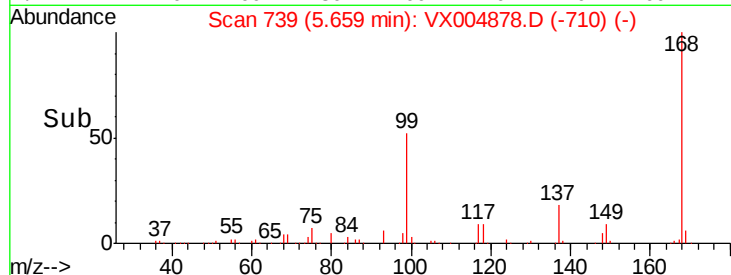
121 0.0 24.9 37.3#



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: 51.817 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004878.D

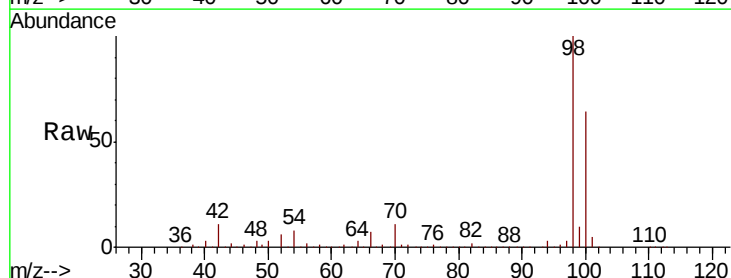
Acq: 01 Oct 2018 18:36

Tgt Ion: 98 Resp: 495983

Ion Ratio Lower Upper

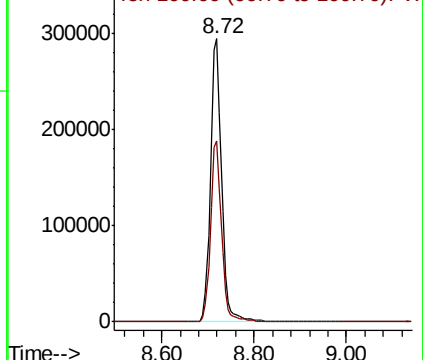
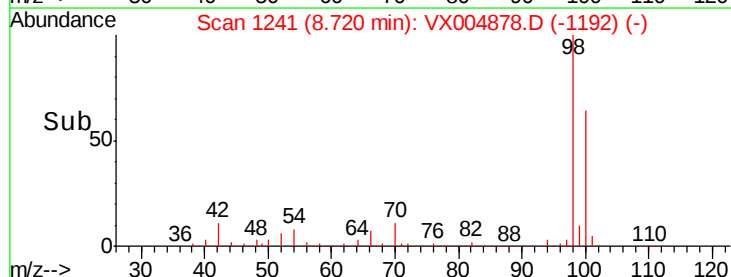
98 100

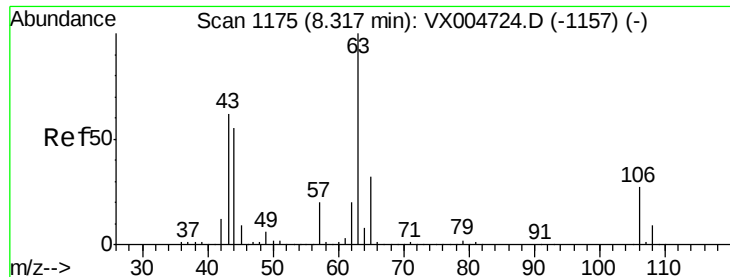
100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#58

2-Chloroethyl Vinyl ether

Concen: 14.250 ug/l

RT: 8.20 min Scan# 1156

Delta R.T. -0.12 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

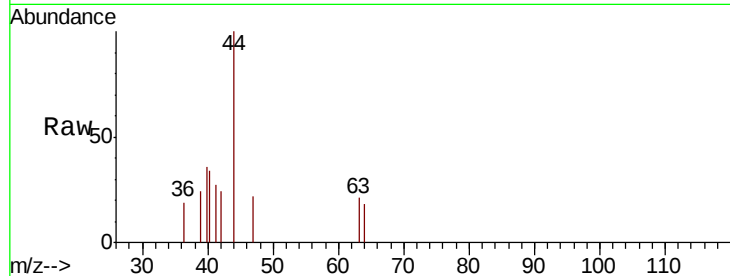
SA-DUP03-20180926

Tot Ion: 63 Resp: 22

Ion Ratio Lower Upper

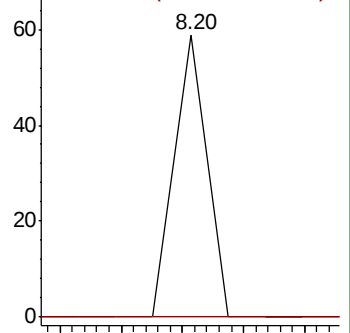
63 100

106 0.0 23.9 35.9#

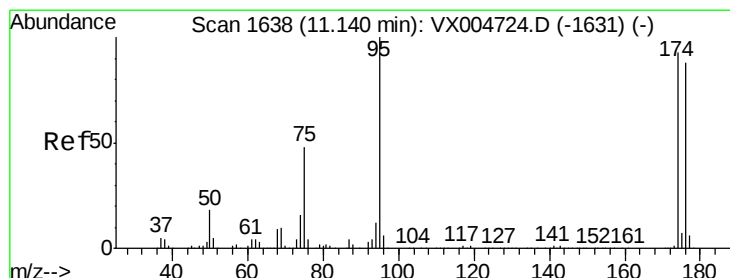
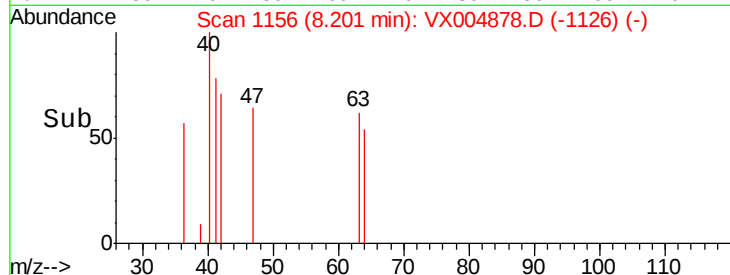


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time--> 8.18 8.19 8.20 8.21 8.22



#62

4-Bromofluorobenzene

Concen: 50.426 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

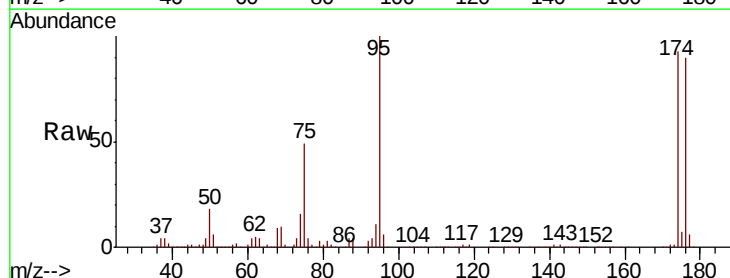
Tgt Ion: 95 Resp: 173882

Ion Ratio Lower Upper

95 100

174 93.4 0.0 185.2

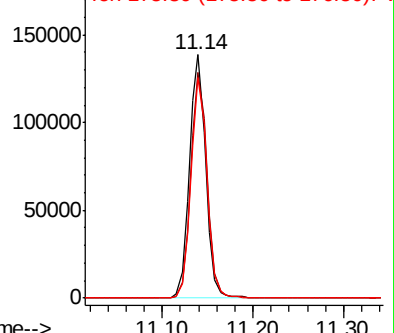
176 89.7 0.0 178.6



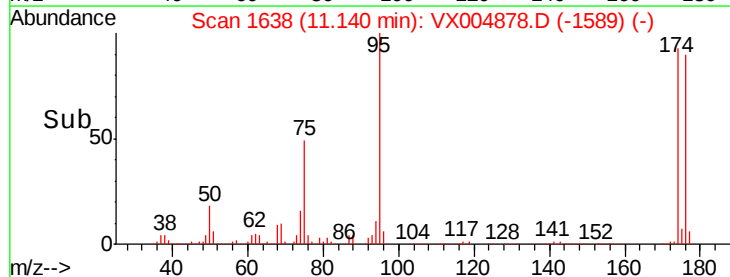
Abundance Ion 94.90 (94.60 to 95.60): VX0

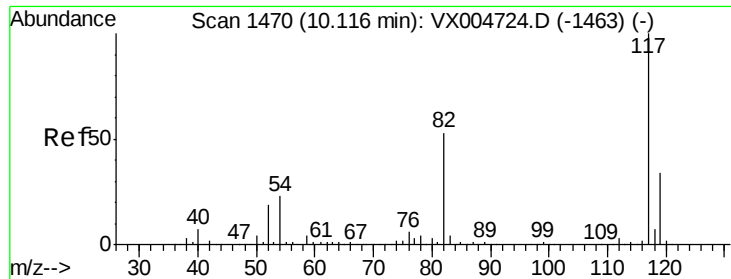
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 11.10 11.20 11.30

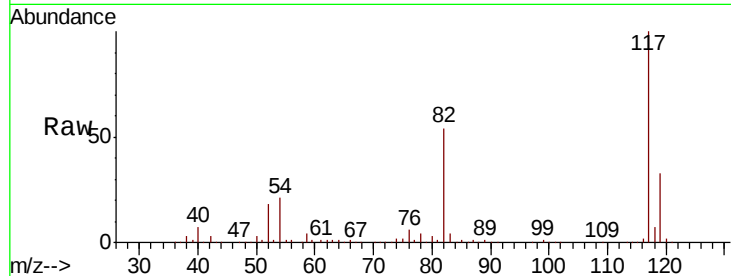




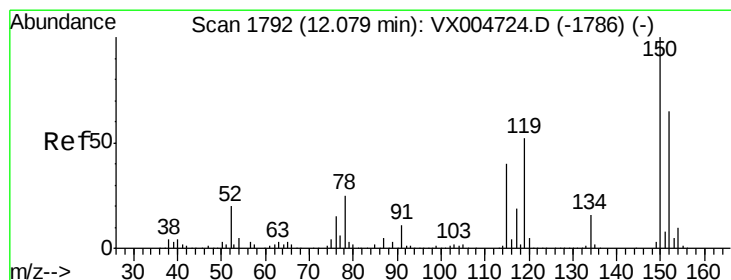
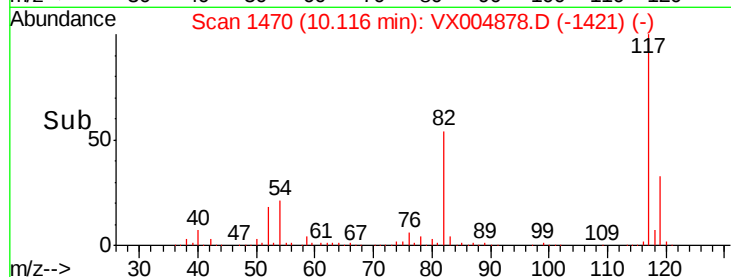
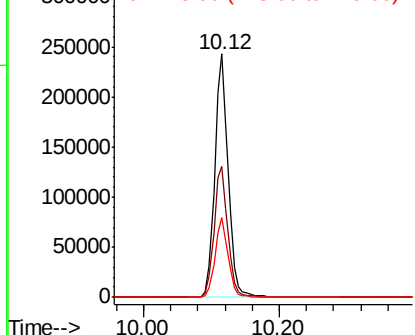
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004878.D
Acq: 01 Oct 2018 18:36

Instrument :
MSVOA_X
ClientSampleId :
SA-DUP03-20180926

Tot Ion:117 Resp: 331754
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 32.6 29.3 43.9

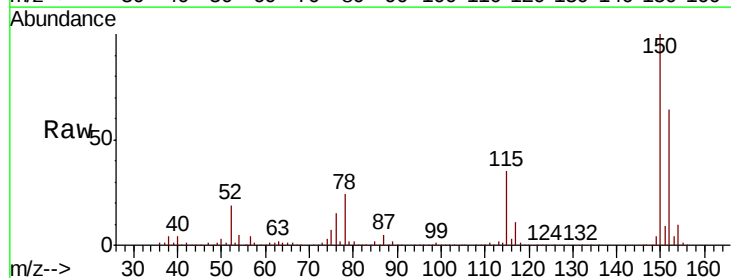


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

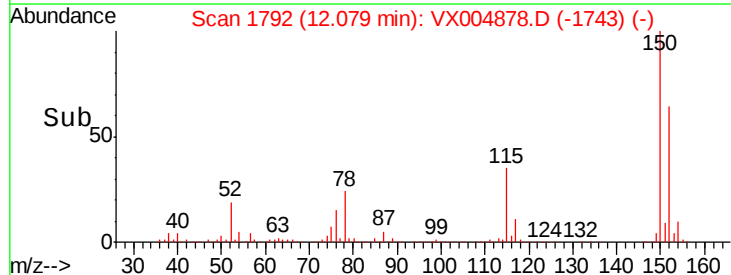
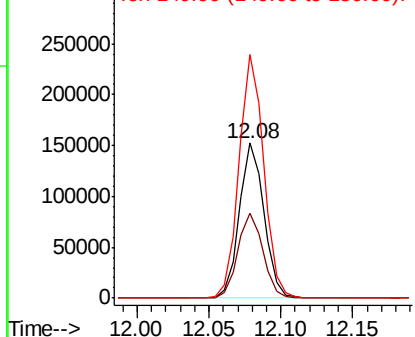


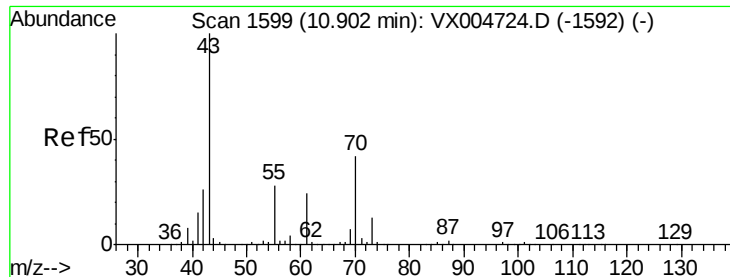
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004878.D
Acq: 01 Oct 2018 18:36

Tgt Ion:152 Resp: 181409
Ion Ratio Lower Upper
152 100
115 55.9 39.0 117.0
150 157.4 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: 1.758 ug/l

RT: 10.92 min Scan# 1602

Delta R.T. 0.02 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP03-20180926

Tot Ion: 43 Resp: 66

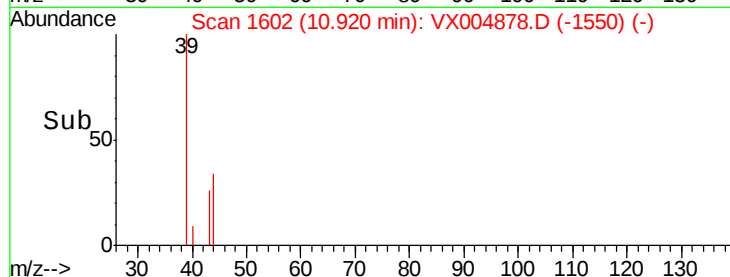
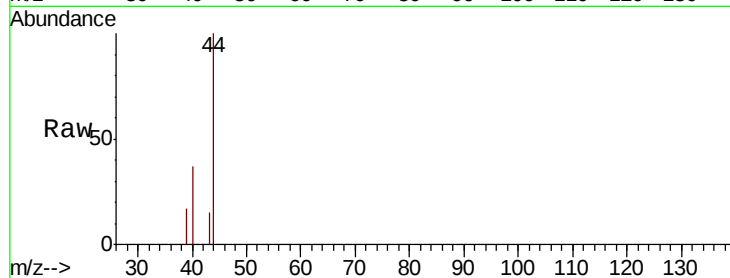
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 33.3 21.8 32.8#

61 0.0 20.6 30.8#

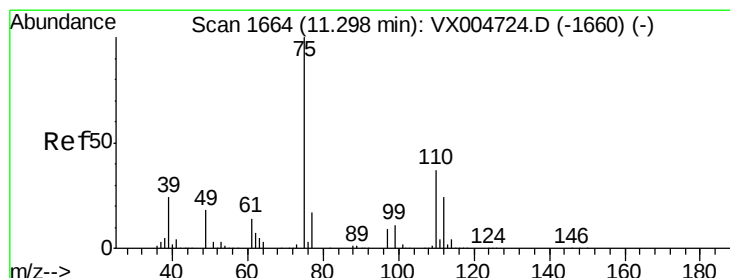
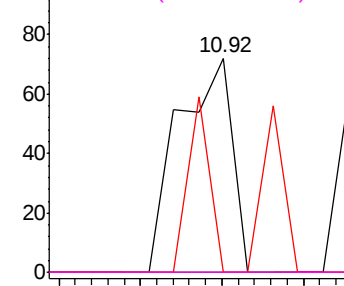


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.246 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004878.D

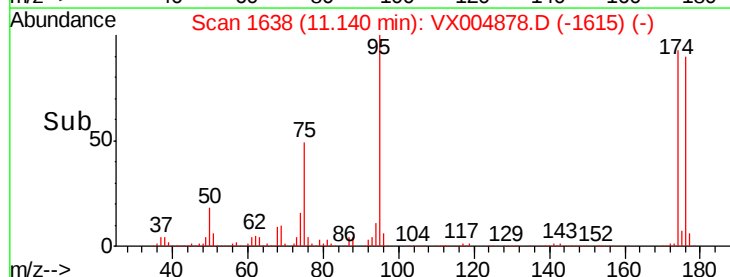
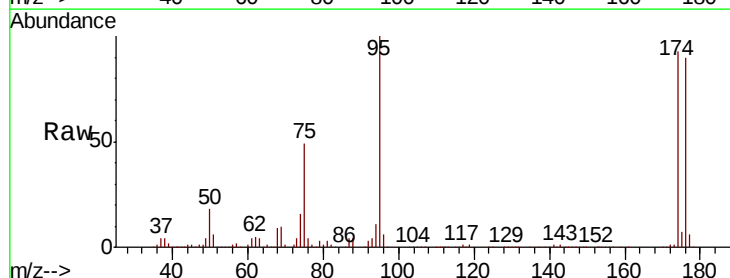
Acq: 01 Oct 2018 18:36

Tgt Ion: 75 Resp: 86389

Ion Ratio Lower Upper

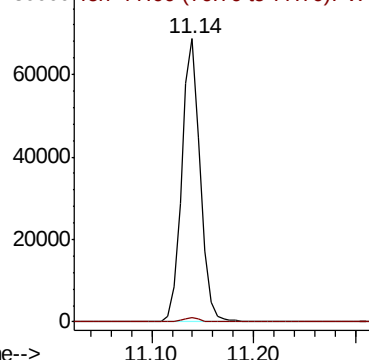
75 100

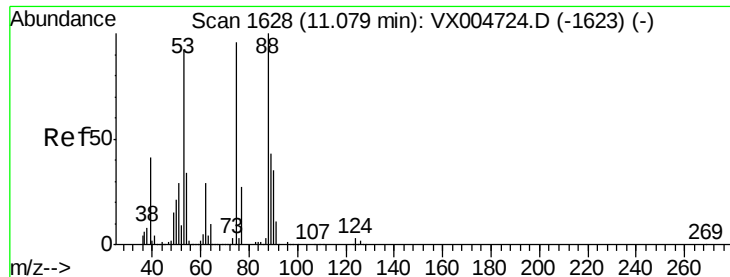
77 1.5 20.2 60.6#



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: 57.631 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP03-20180926

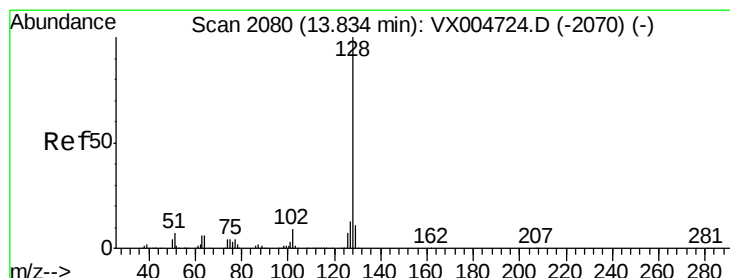
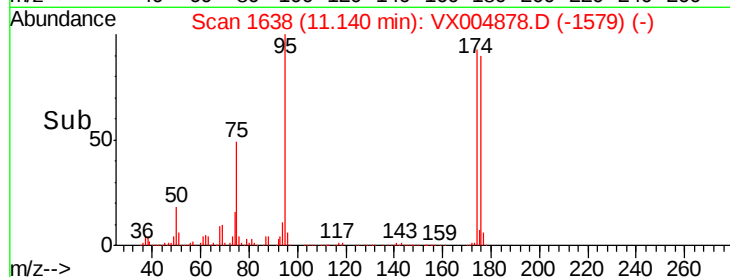
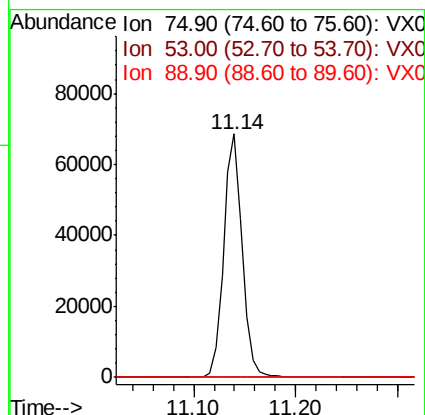
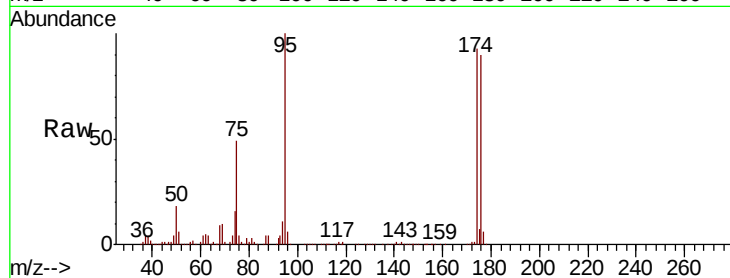
Tot Ion: 75 Resp: 86389

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



#95

Naphthalene

Concen: 0.746 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004878.D

Acq: 01 Oct 2018 18:36

Tgt Ion: 128 Resp: 399

Ion Ratio Lower Upper

128 100

127 5.8 10.2 15.2#

129 0.0 8.6 12.8#

