

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062718\
 Data File : VX002940.D
 Acq On : 27 Jun 2018 16:57
 Operator : JC/MD
 Sample : J3707-07 10X
 Misc : 6.04µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 03:14:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	262602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365872	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	196408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176920	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	5.51	113	137570	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	8.72	98	520443	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.14	95	186829	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	

Target Compounds

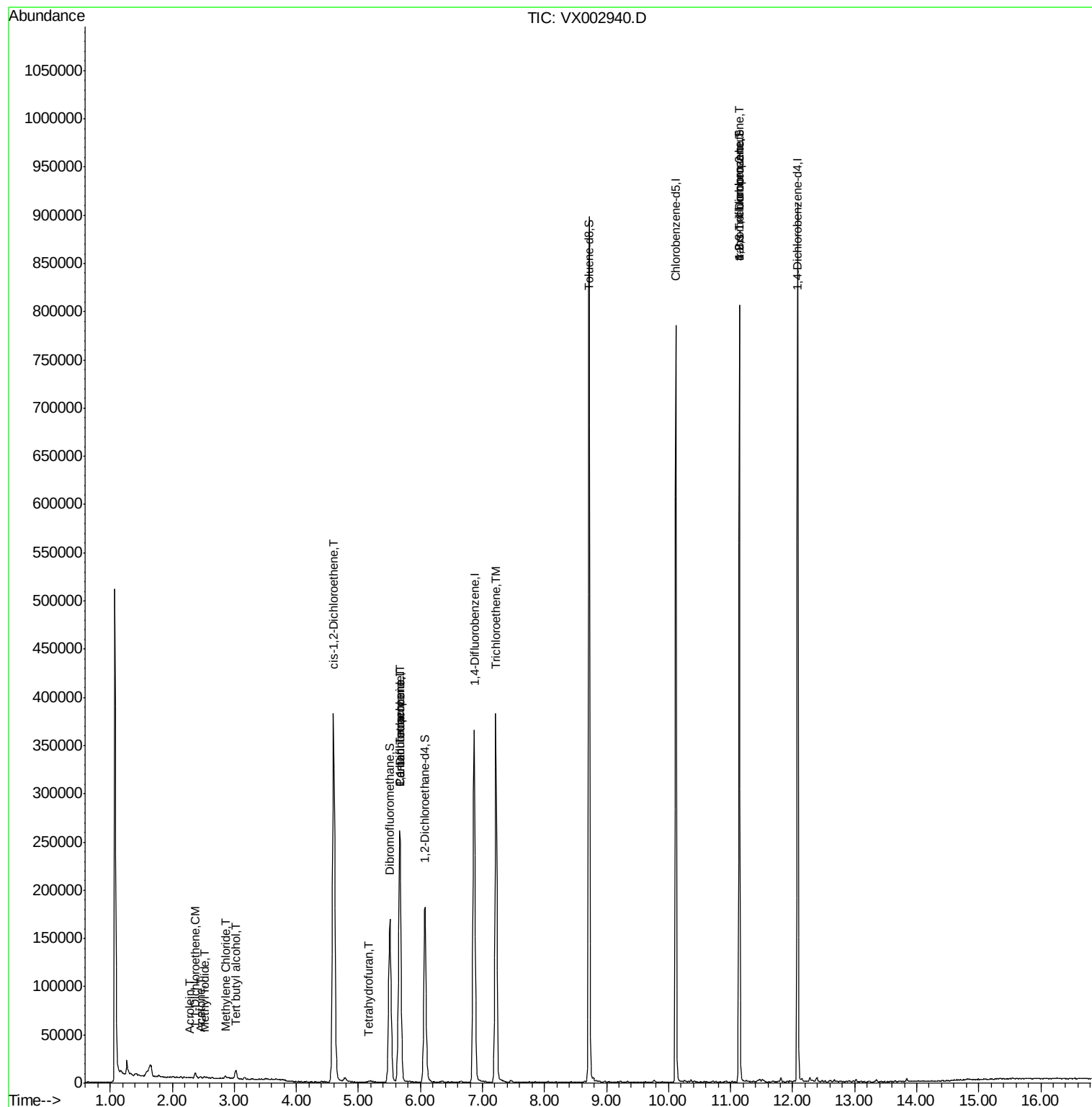
						Qvalue
2) Dichlorodifluoromethane	1.43	85	19	Below Cal	#	43
3) Chloromethane	1.32	50	591	Below Cal	#	59
5) Bromomethane	1.64	94	1659	Below Cal	#	80
6) Chloroethane	1.70	64	110	Below Cal	#	46
10) Methyl Iodide	2.52	142	1455	6.66	ug/l	97
11) Tert butyl alcohol	3.03	59	5327	7.37	ug/l #	82
12) 1,1-Dichloroethene	2.37	96	2097	0.81	ug/l #	80
13) Acrolein	2.28	56	98	4.47	ug/l #	1
16) Acetone	2.45	43	1364	0.91	ug/l #	70
20) Methylene Chloride	2.86	84	1131	0.39	ug/l #	87
27) cis-1,2-Dichloroethene	4.60	96	239910	75.86	ug/l	83
29) Tetrahydrofuran	5.17	42	1238	0.87	ug/l #	48
36) 1,1-Dichloropropene	5.67	75	17346	4.32	ug/l #	51
38) Carbon Tetrachloride	5.67	117	24063	5.47	ug/l #	16
44) Trichloroethene	7.21	130	150413	43.28	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	97496	27.40	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	97496	77.53	ug/l #	7

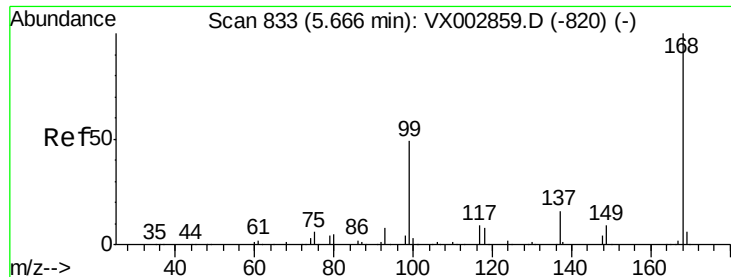
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062718\
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QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :

MSVOA_X

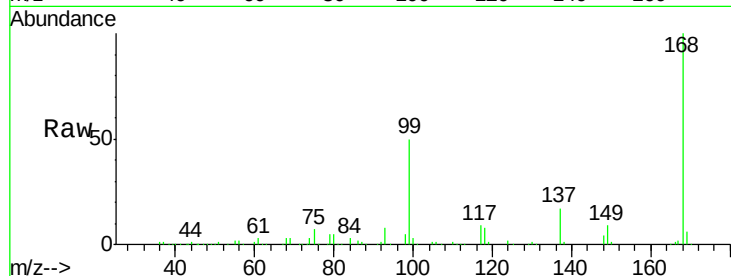
ClientSampleId :

Tot Ion:168 Resp: 262602

Ion Ratio Lower Upper

168 100

99 49.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

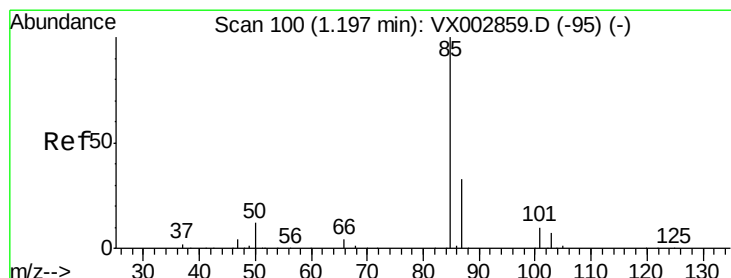
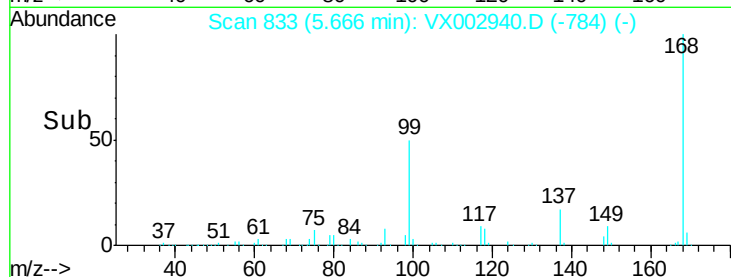
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.43 min Scan# 138

Delta R.T. 0.23 min

Lab File: VX002940.D

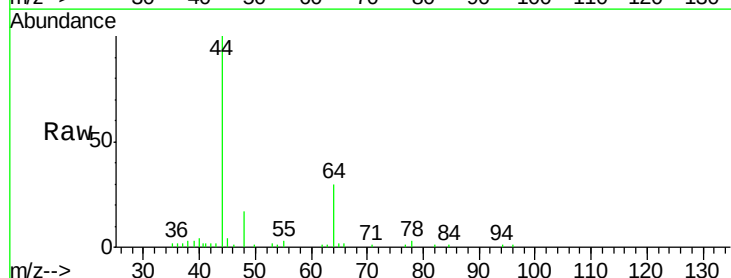
Acq: 27 Jun 2018 16:57

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.43

60

50

40

30

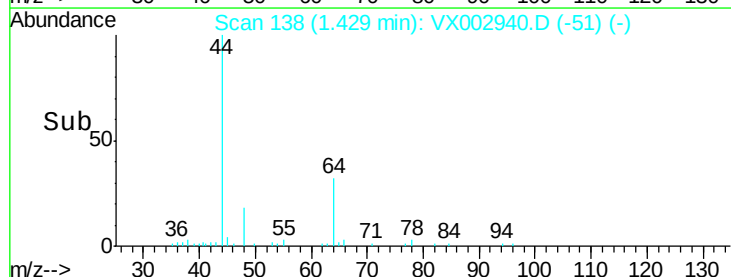
20

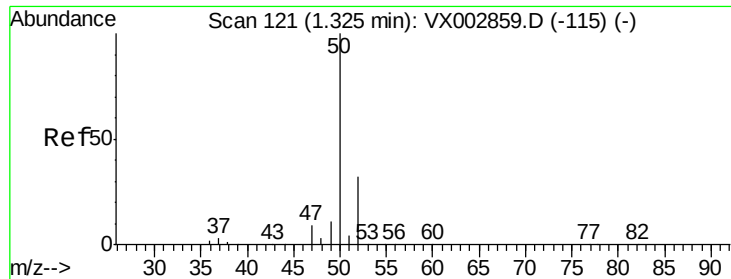
10

0

Time-->

1.41 1.42 1.43 1.44





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :

MSVOA_X

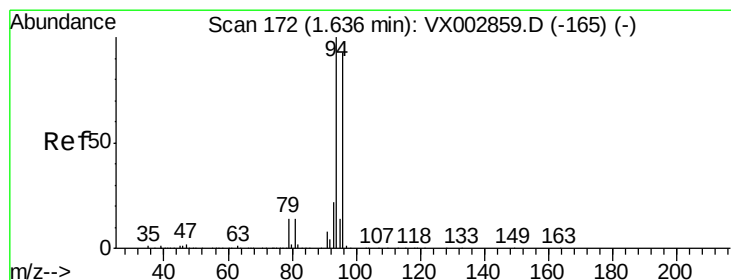
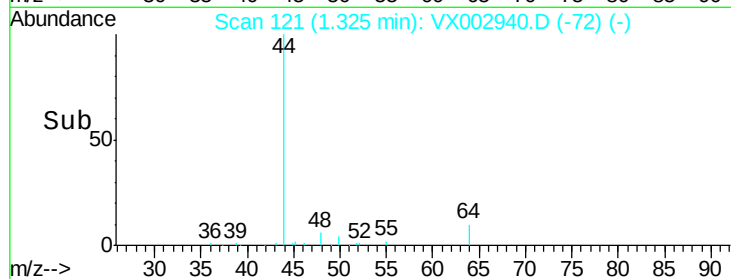
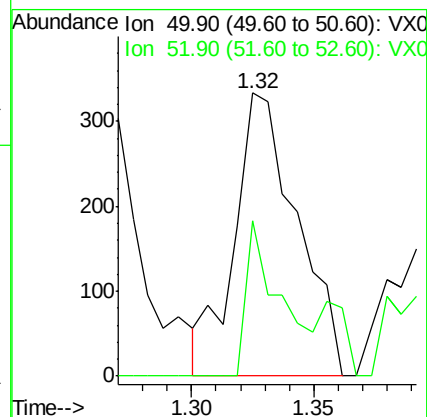
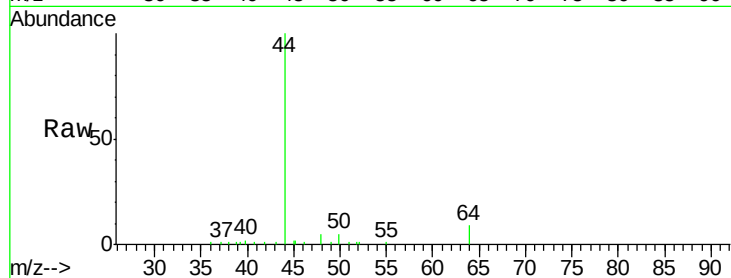
ClientSampled :

Tot Ion: 50 Resp: 591

Ion Ratio Lower Upper

50 100

52 55.0 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002940.D

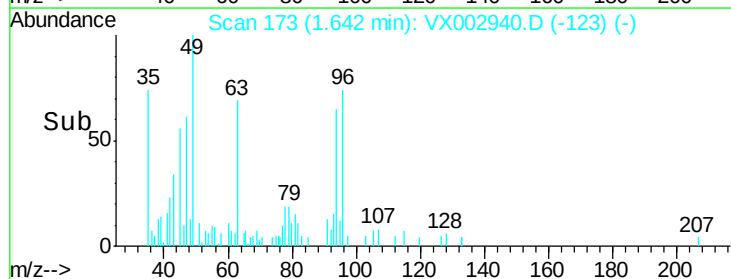
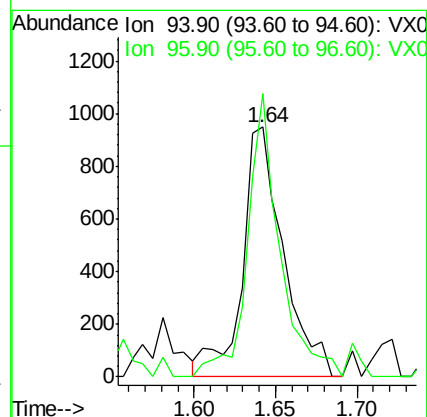
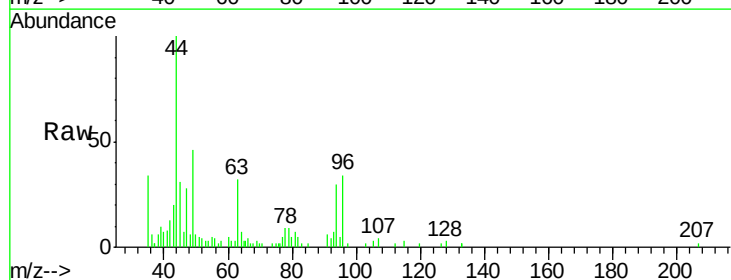
Acq: 27 Jun 2018 16:57

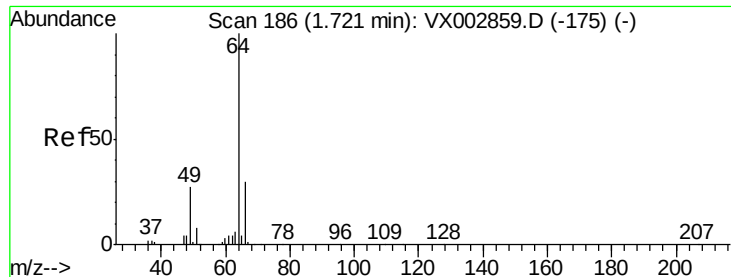
Tgt Ion: 94 Resp: 1659

Ion Ratio Lower Upper

94 100

96 113.3 74.9 112.3#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :

MSVOA_X

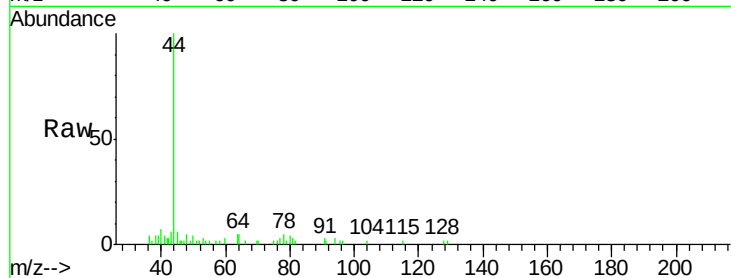
ClientSampled :

Tot Ion: 64 Resp: 110

Ion Ratio Lower Upper

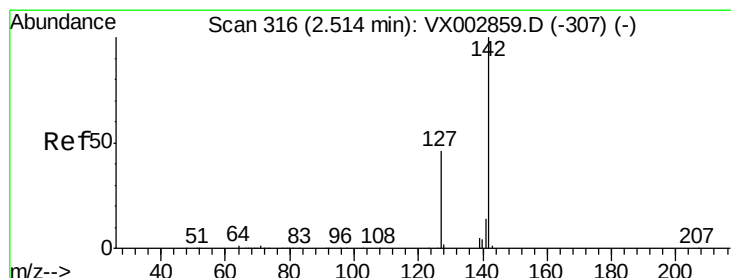
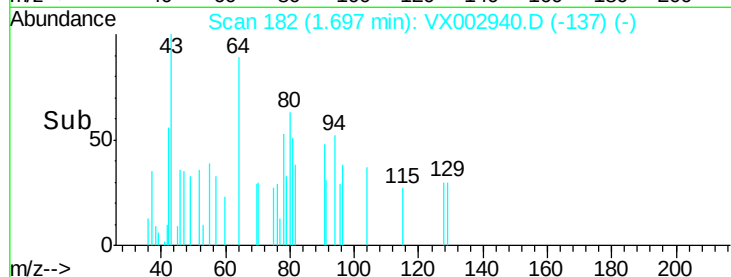
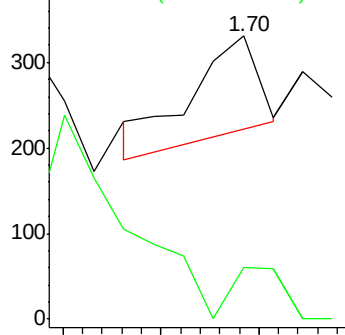
64 100

66 2.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 6.66 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

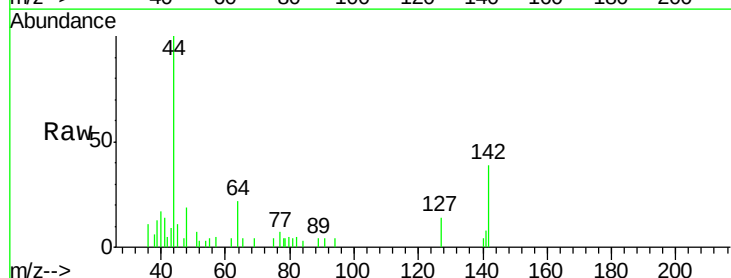
Tgt Ion: 142 Resp: 1455

Ion Ratio Lower Upper

142 100

127 43.4 36.6 55.0

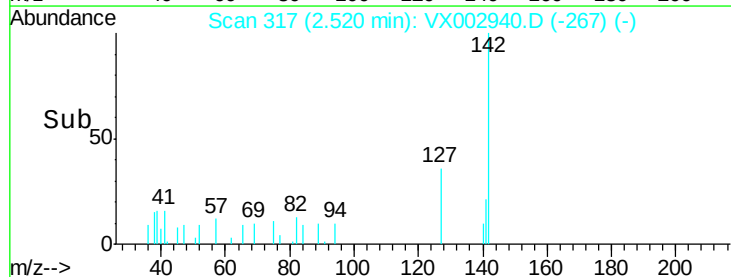
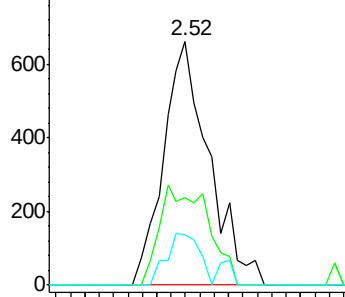
141 15.4 11.3 16.9

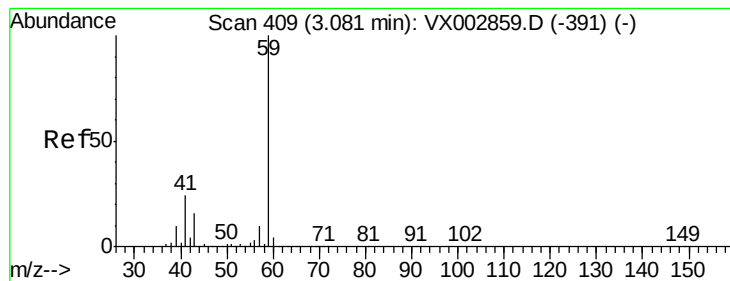


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 7.37 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :

MSVOA_X

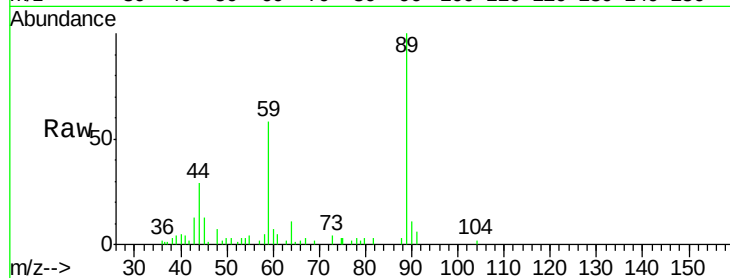
ClientSampleId :

Tot Ion: 59 Resp: 5327

Ion Ratio Lower Upper

59 100

57 3.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

2500

2000

1500

1000

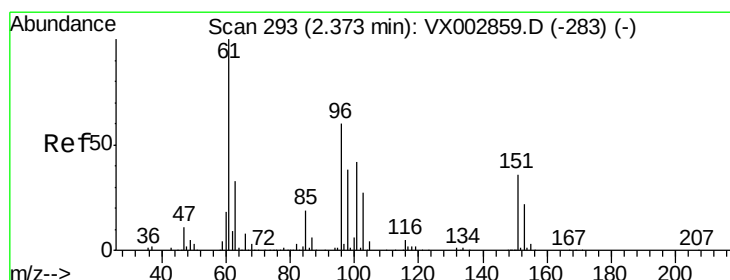
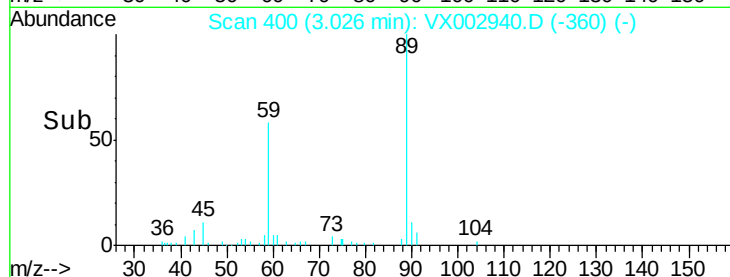
500

0

Time-->

2.95 3.00 3.05 3.10

3.03



#12

1,1-Dichloroethene

Concen: 0.81 ug/l

RT: 2.37 min Scan# 292

Delta R.T. -0.01 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

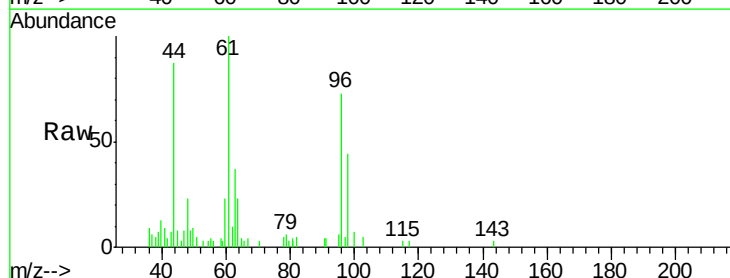
Tgt Ion: 96 Resp: 2097

Ion Ratio Lower Upper

96 100

61 137.0 137.9 206.9#

98 60.4 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2500

2000

1500

1000

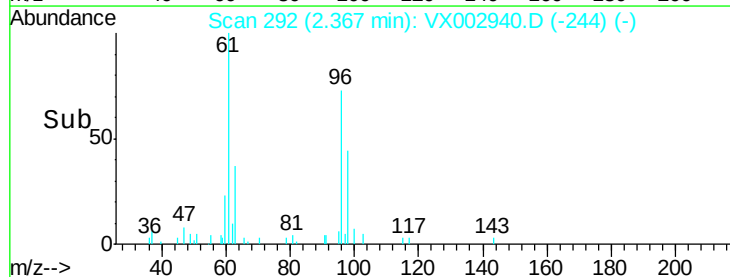
500

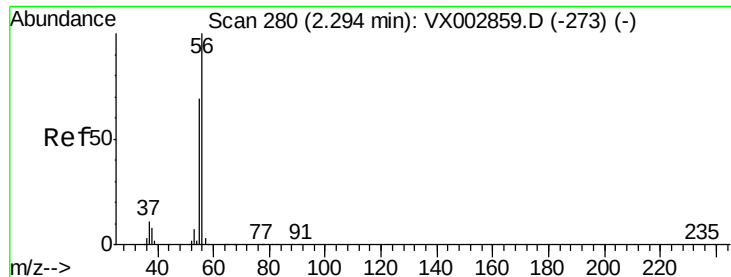
0

Time-->

2.30 2.35 2.40 2.45

2.37





#13

Acrolein

Concen: 4.47 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :

MSVOA_X

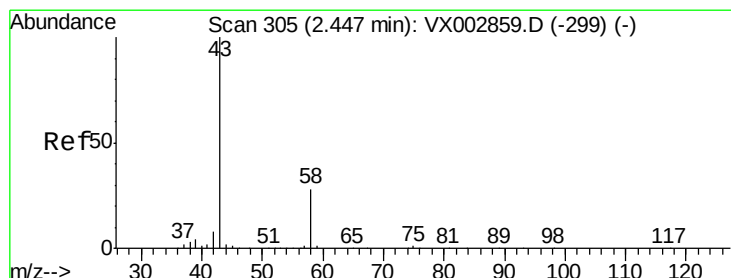
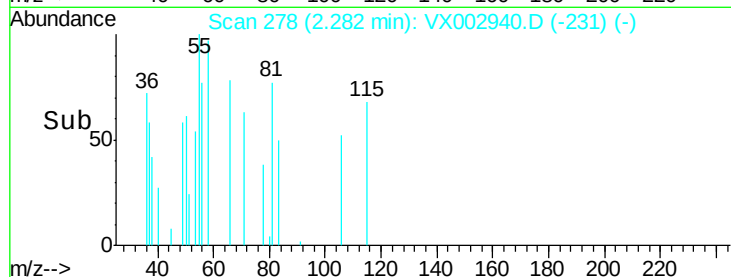
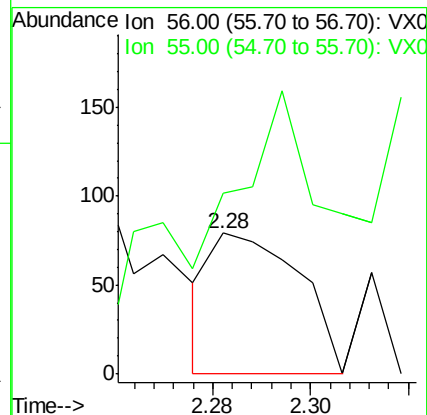
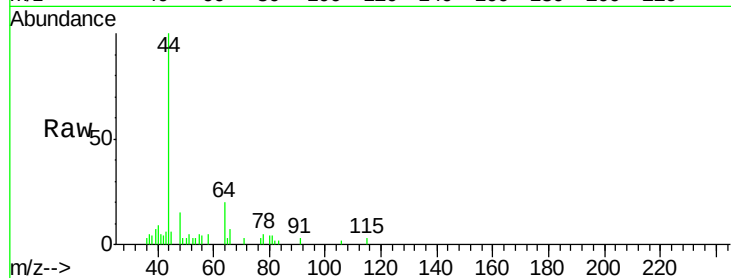
ClientSampleId :

Tot Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 321.4 57.0 85.4#



#16

Acetone

Concen: 0.91 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX002940.D

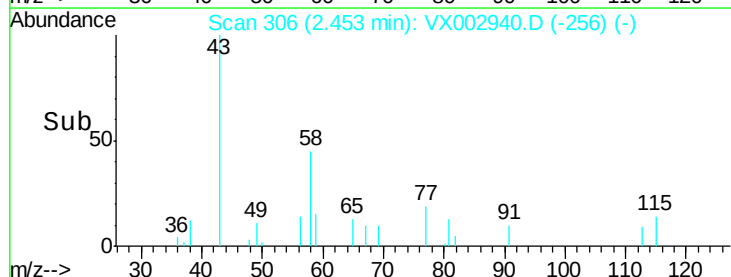
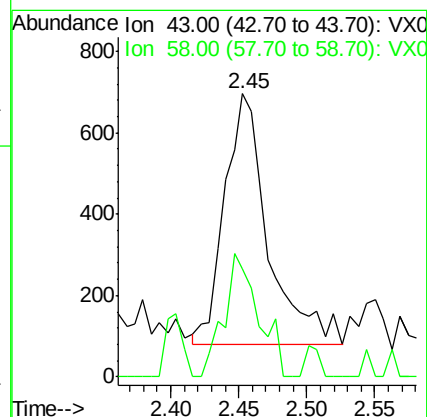
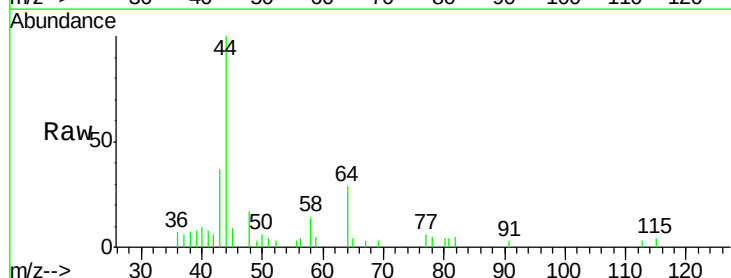
Acq: 27 Jun 2018 16:57

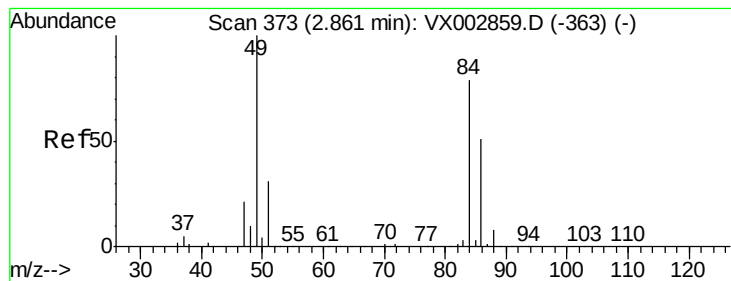
Tgt Ion: 43 Resp: 1364

Ion Ratio Lower Upper

43 100

58 43.4 22.1 33.1#





#20

Methylene Chloride

Concen: 0.39 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 1131

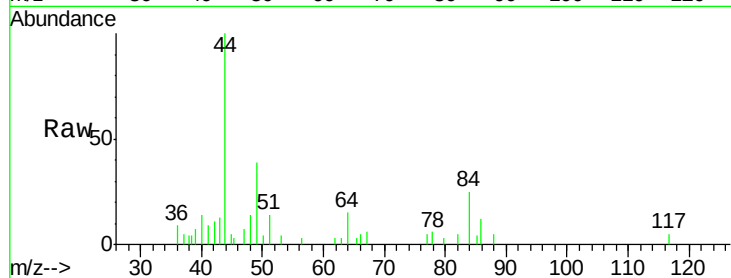
Ion Ratio Lower Upper

84 100

49 139.6 107.8 161.6

51 54.4 32.8 49.2#

86 46.2 52.5 78.7#

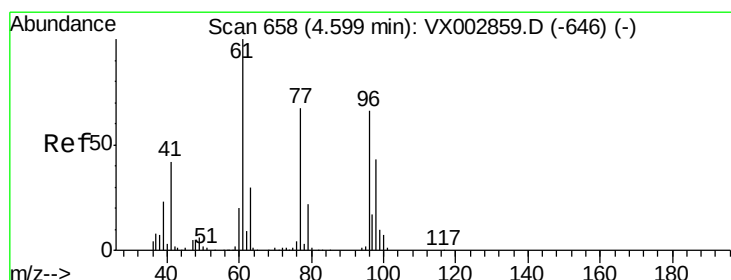
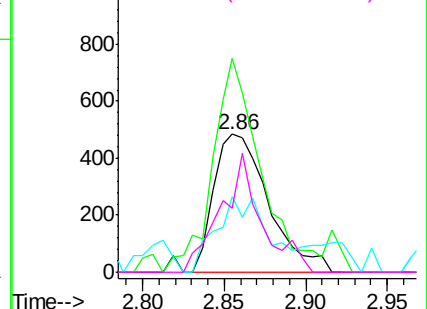
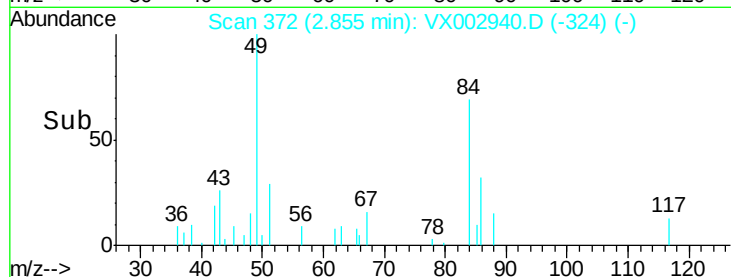


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#27

cis-1,2-Dichloroethene

Concen: 75.86 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

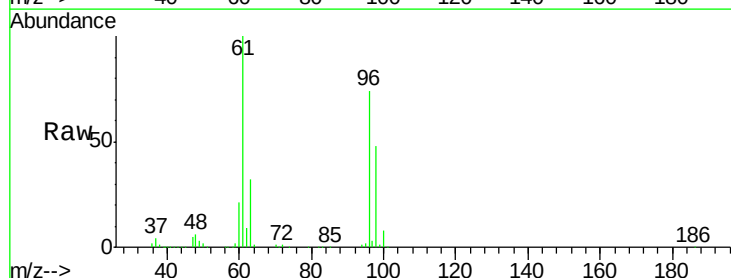
Tgt Ion: 96 Resp: 239910

Ion Ratio Lower Upper

96 100

61 134.9 0.0 330.2

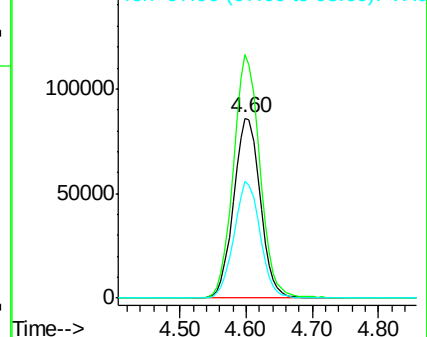
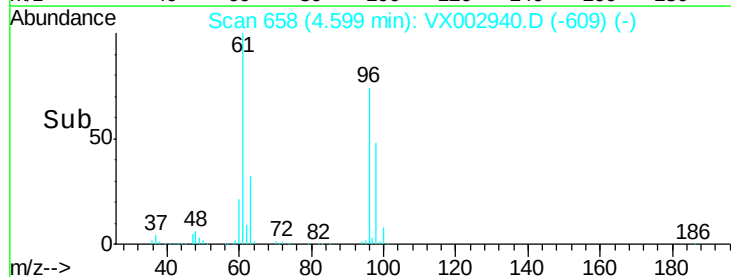
98 63.8 0.0 130.2

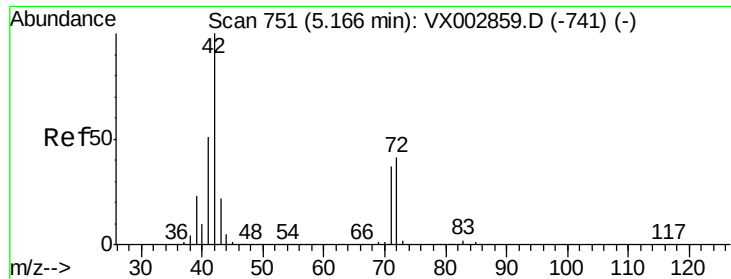


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

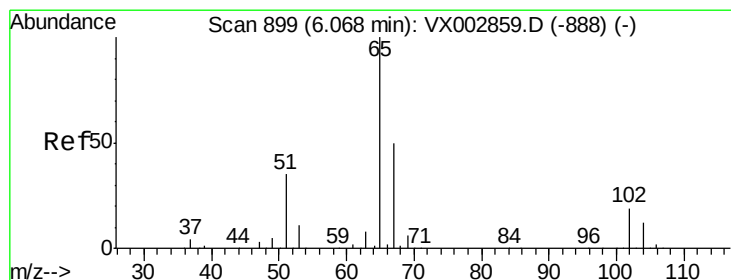
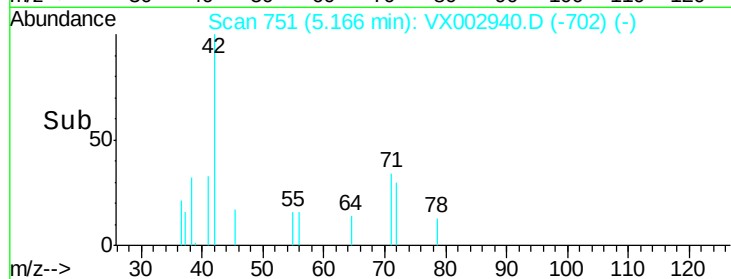
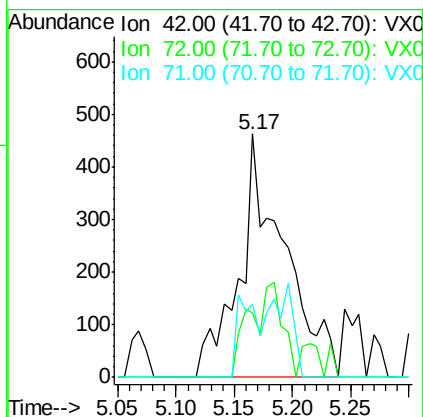
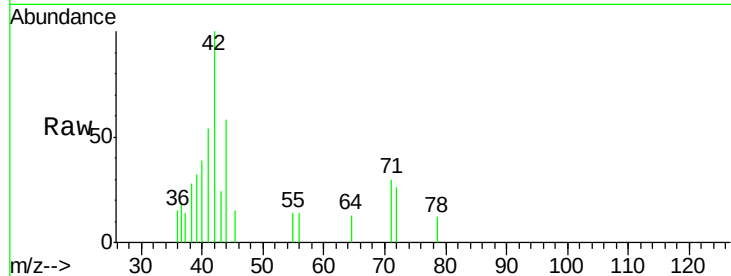




#29
Tetrahydrofuran
Concen: 0.87 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002940.D
Acq: 27 Jun 2018 16:57

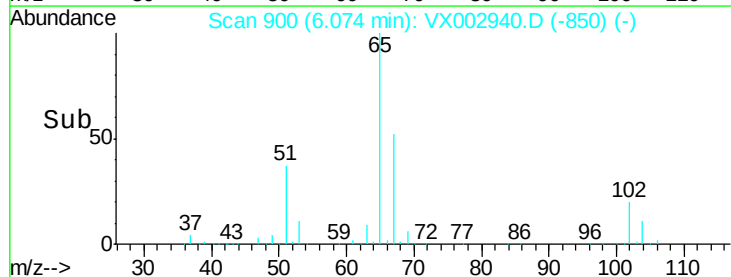
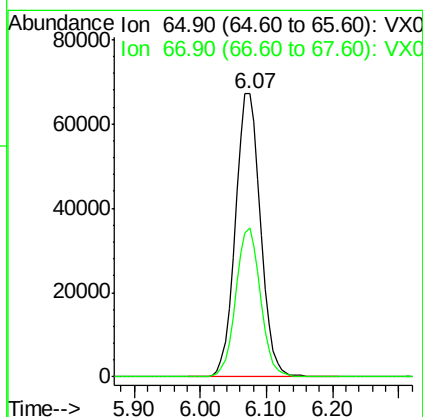
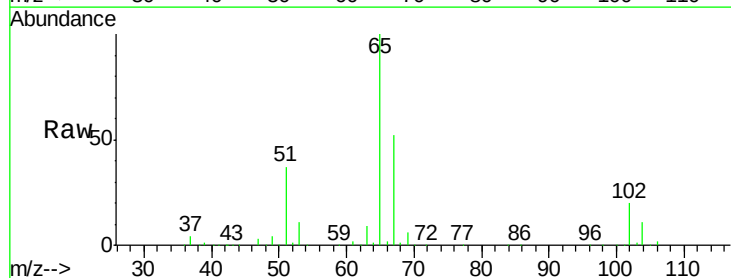
Instrument :
MSVOA_X
ClientSampleId :

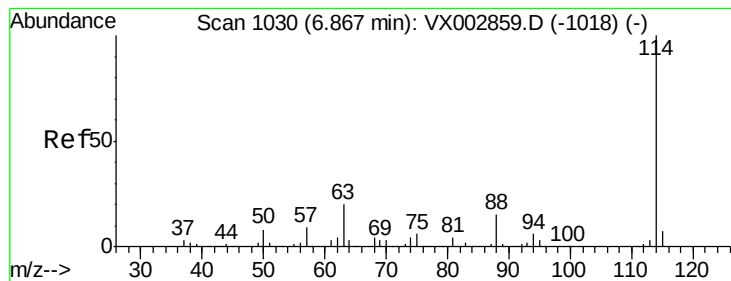
Tot Ion: 42 Resp: 1238
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 14.8 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 48.74 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX002940.D
Acq: 27 Jun 2018 16:57

Tgt Ion: 65 Resp: 176920
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

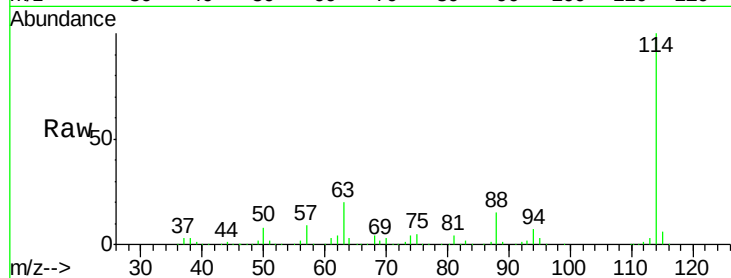
Tot Ion:114 Resp: 365872

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

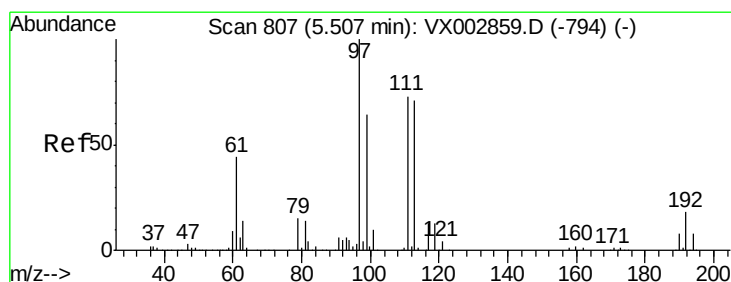
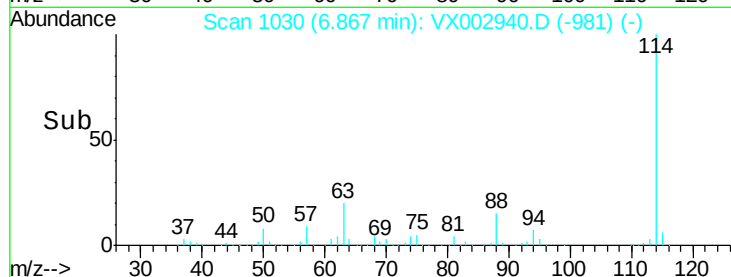
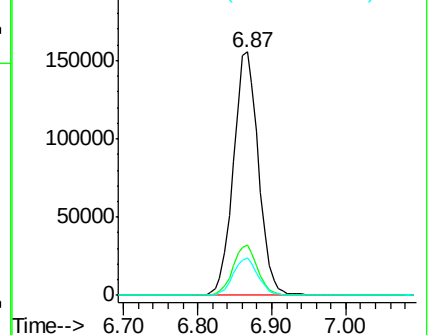
88 15.2 0.0 30.0



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: 47.48 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

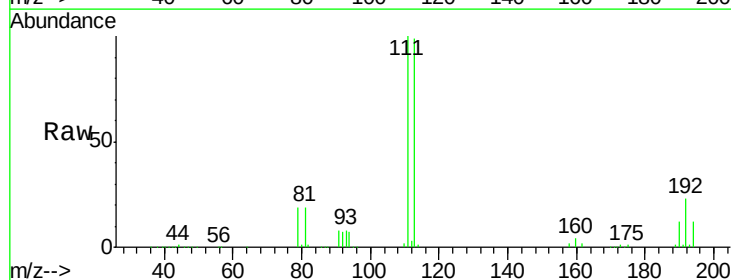
Tgt Ion:113 Resp: 137570

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

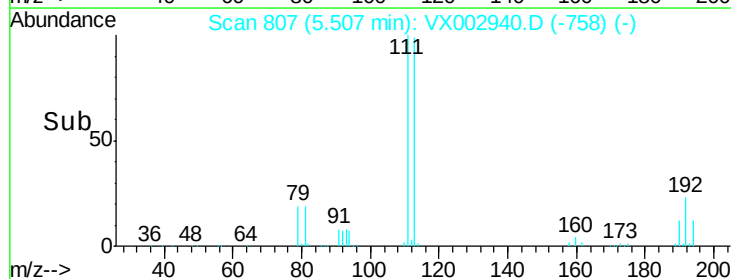
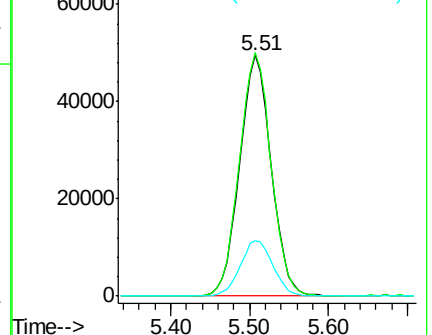
192 24.0 19.1 28.7

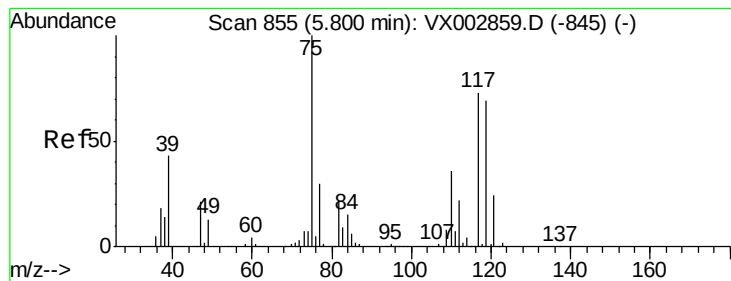


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.32 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

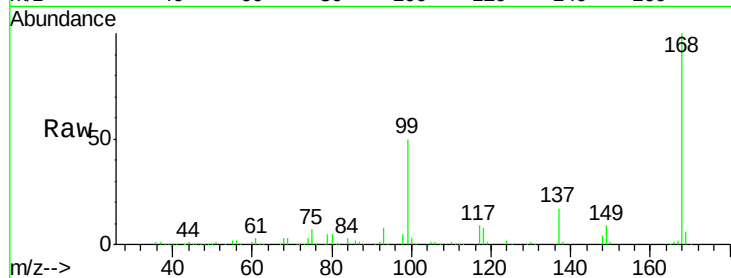
Tot Ion: 75 Resp: 17346

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.4#

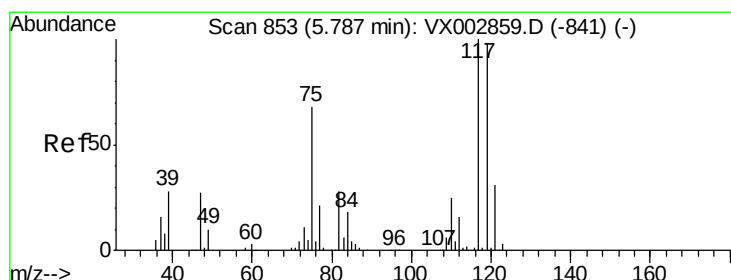
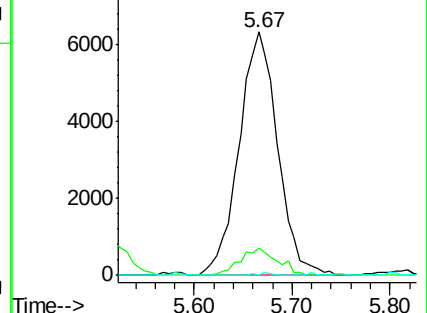
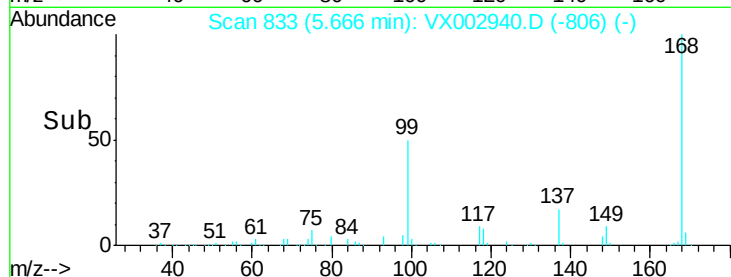
77 0.4 24.3 36.5#



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: 5.47 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

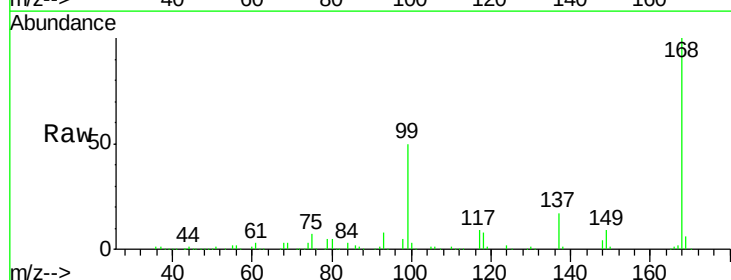
Tgt Ion: 117 Resp: 24063

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

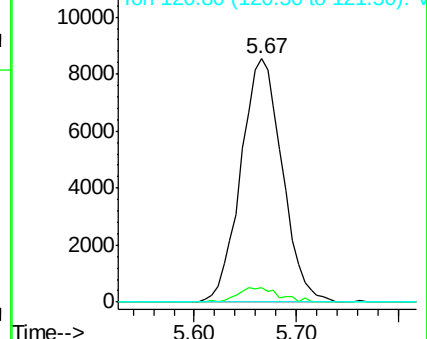
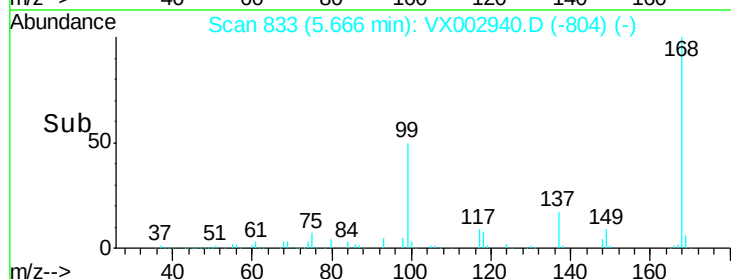
121 0.0 24.4 36.6#

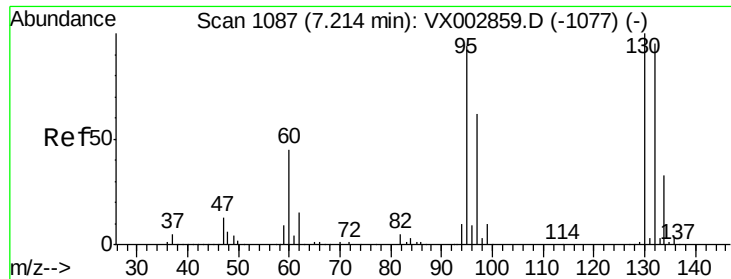


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 43.28 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :

MSVOA_X

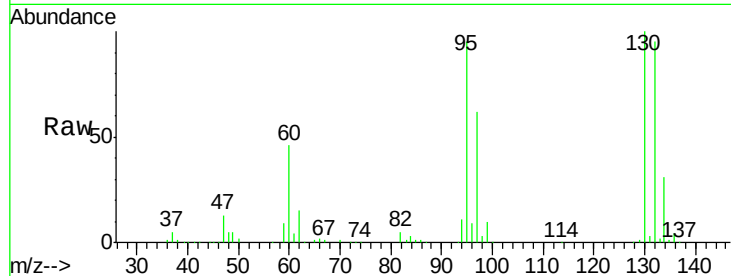
ClientSampleId :

Tot Ion:130 Resp: 150413

Ion Ratio Lower Upper

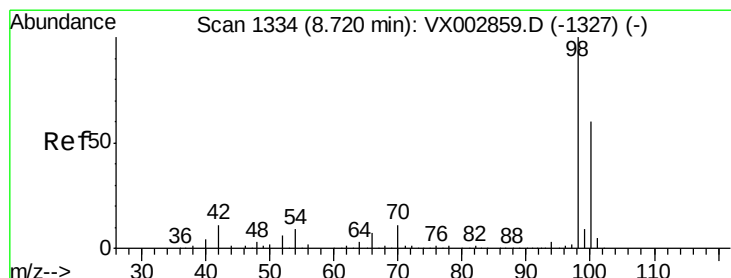
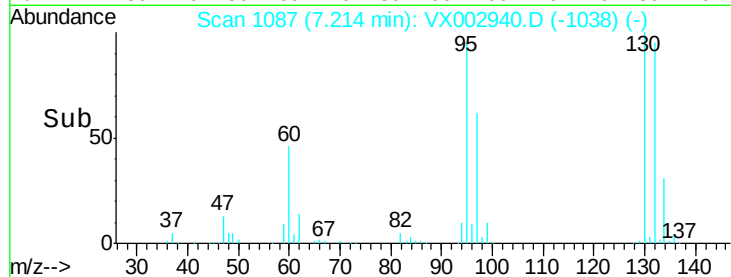
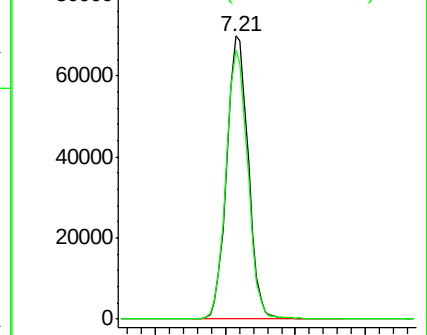
130 100

95 95.1 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.19 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002940.D

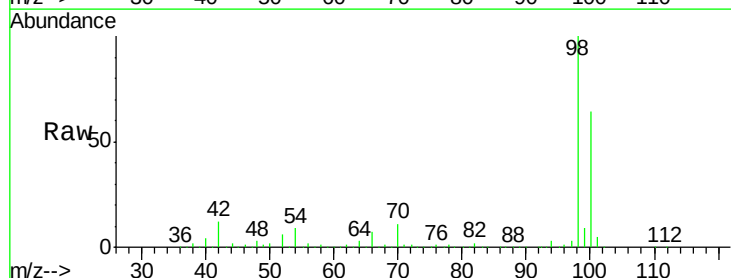
Acq: 27 Jun 2018 16:57

Tgt Ion: 98 Resp: 520443

Ion Ratio Lower Upper

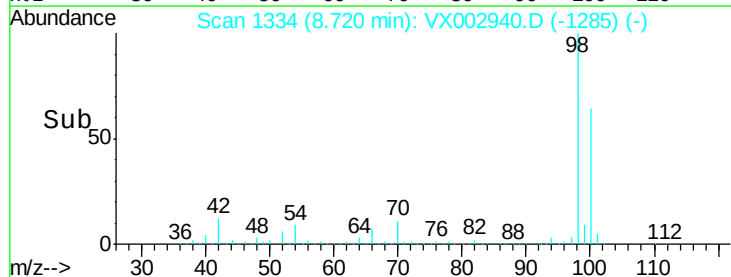
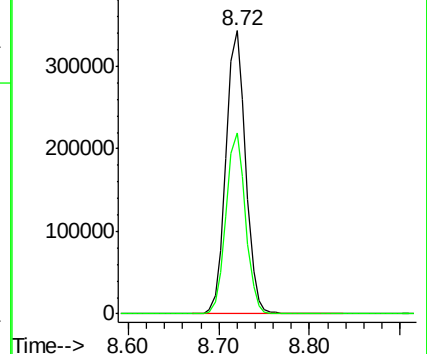
98 100

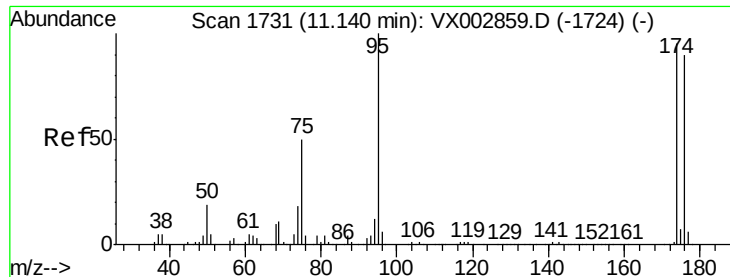
100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

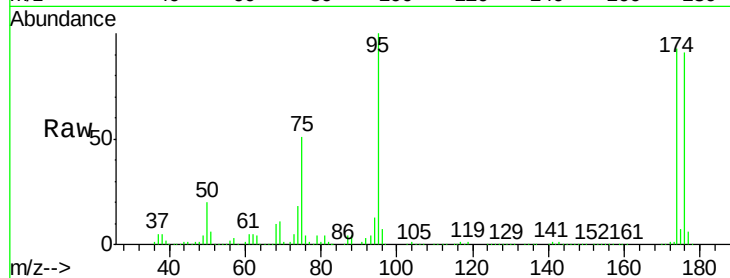
Tot Ion: 95 Resp: 186829

Ion Ratio Lower Upper

95 100

174 97.1 0.0 187.4

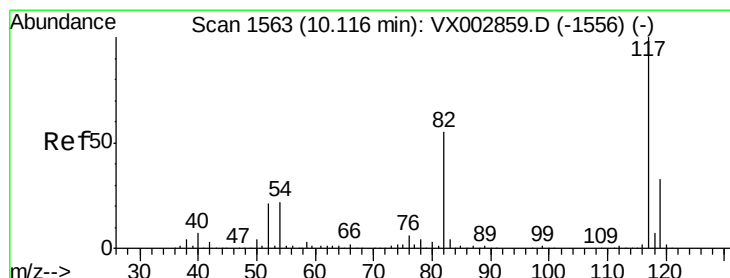
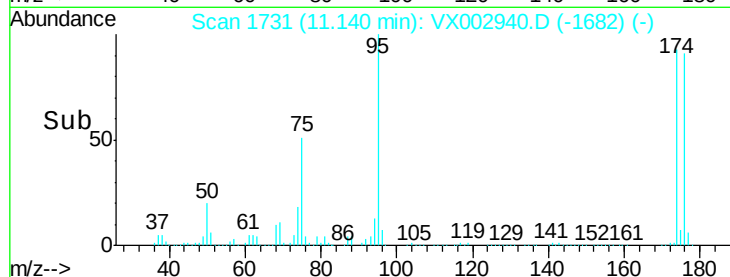
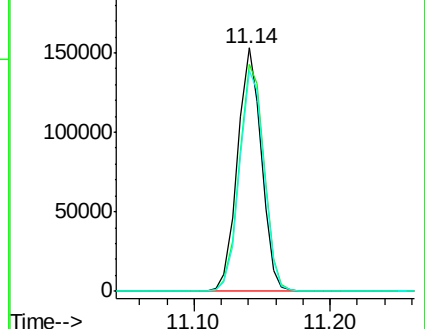
176 93.4 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002940.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002940.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002940.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

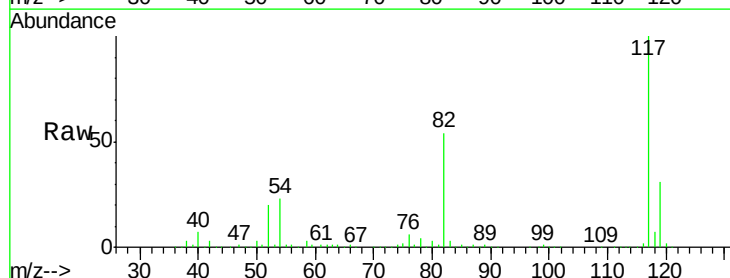
Tgt Ion: 117 Resp: 342985

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.4

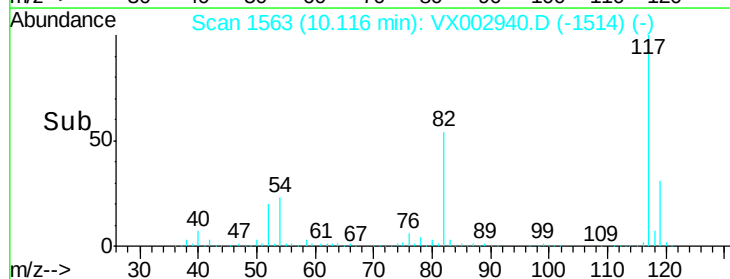
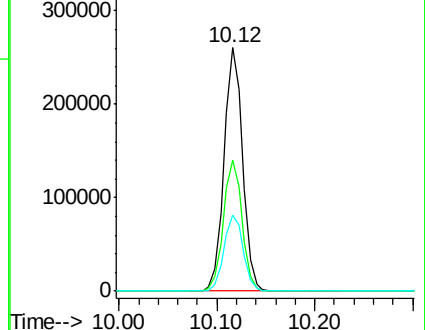
119 31.3 25.8 38.6

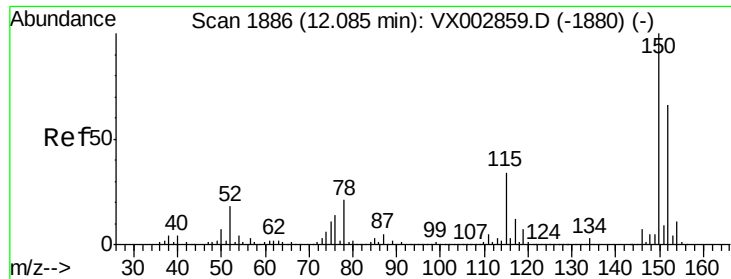


Abundance Ion 116.90 (116.60 to 117.60): VX002940.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002940.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002940.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002940.D

Acq: 27 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampled :

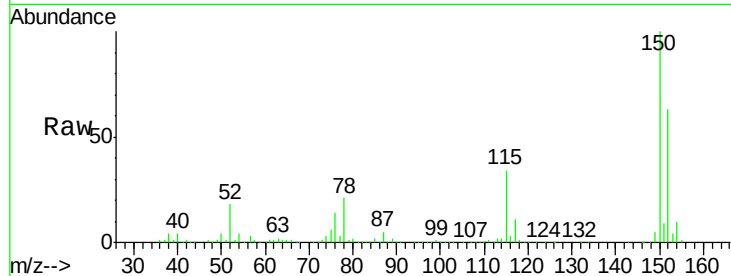
Tot Ion:152 Resp: 196408

Ion Ratio Lower Upper

152 100

115 55.9 40.1 120.2

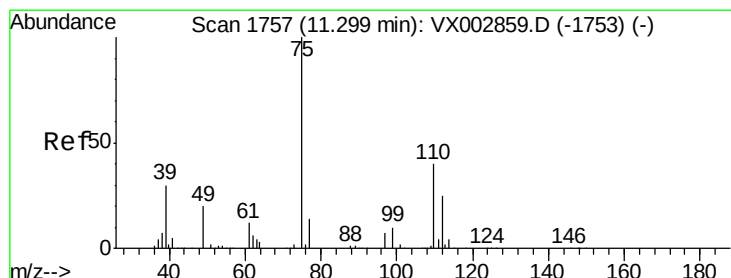
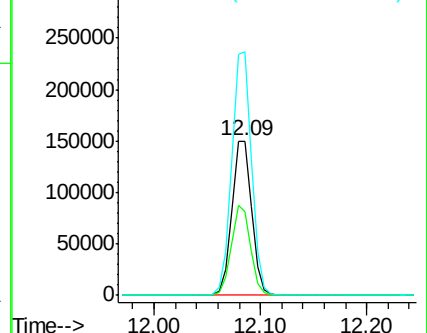
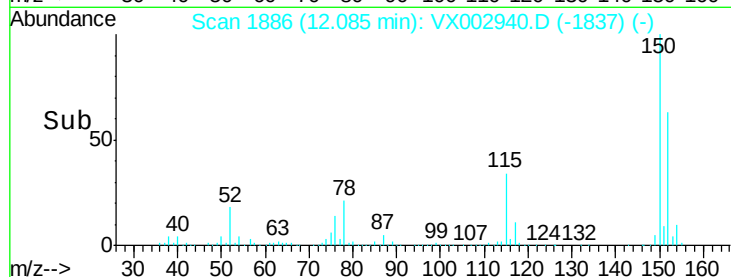
150 157.5 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 27.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002940.D

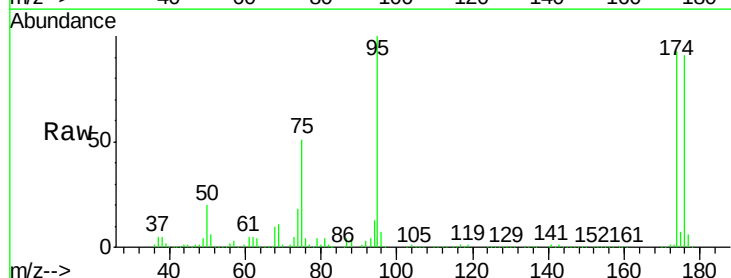
Acq: 27 Jun 2018 16:57

Tgt Ion: 75 Resp: 97496

Ion Ratio Lower Upper

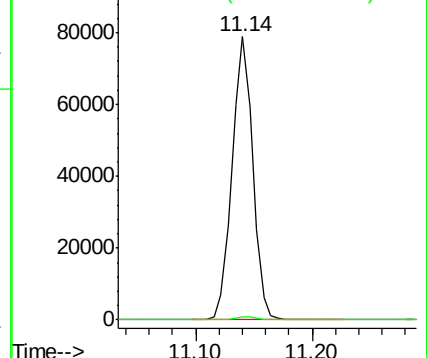
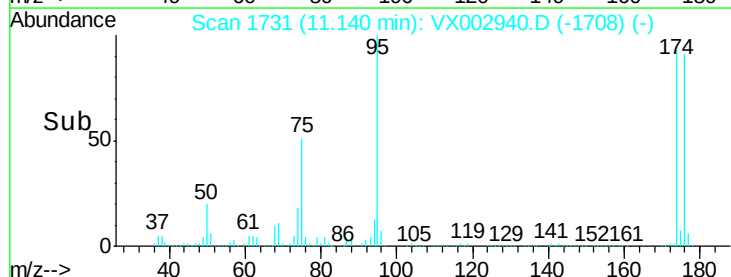
75 100

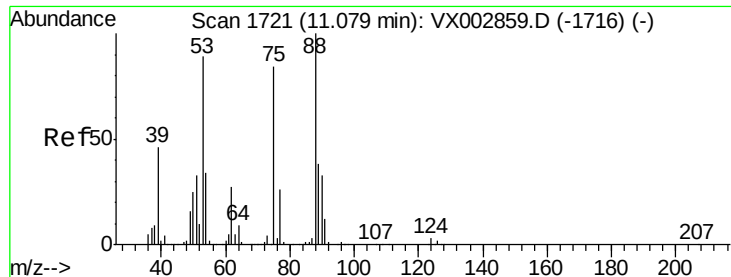
77 1.4 22.8 68.3#



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: 77.53 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002940.D
 Acq: 27 Jun 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 97496
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.8 130.2#
 89 0.0 38.2 57.2#

