

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062618\
 Data File : VX002913.D
 Acq On : 27 Jun 2018 00:10
 Operator : JC/MD
 Sample : J3707-07 50X
 Misc : 6.04µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 02:44:27 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	263646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	373512	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198980	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	181561	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	5.51	113	143233	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	8.72	98	529803	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.14	95	191189	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

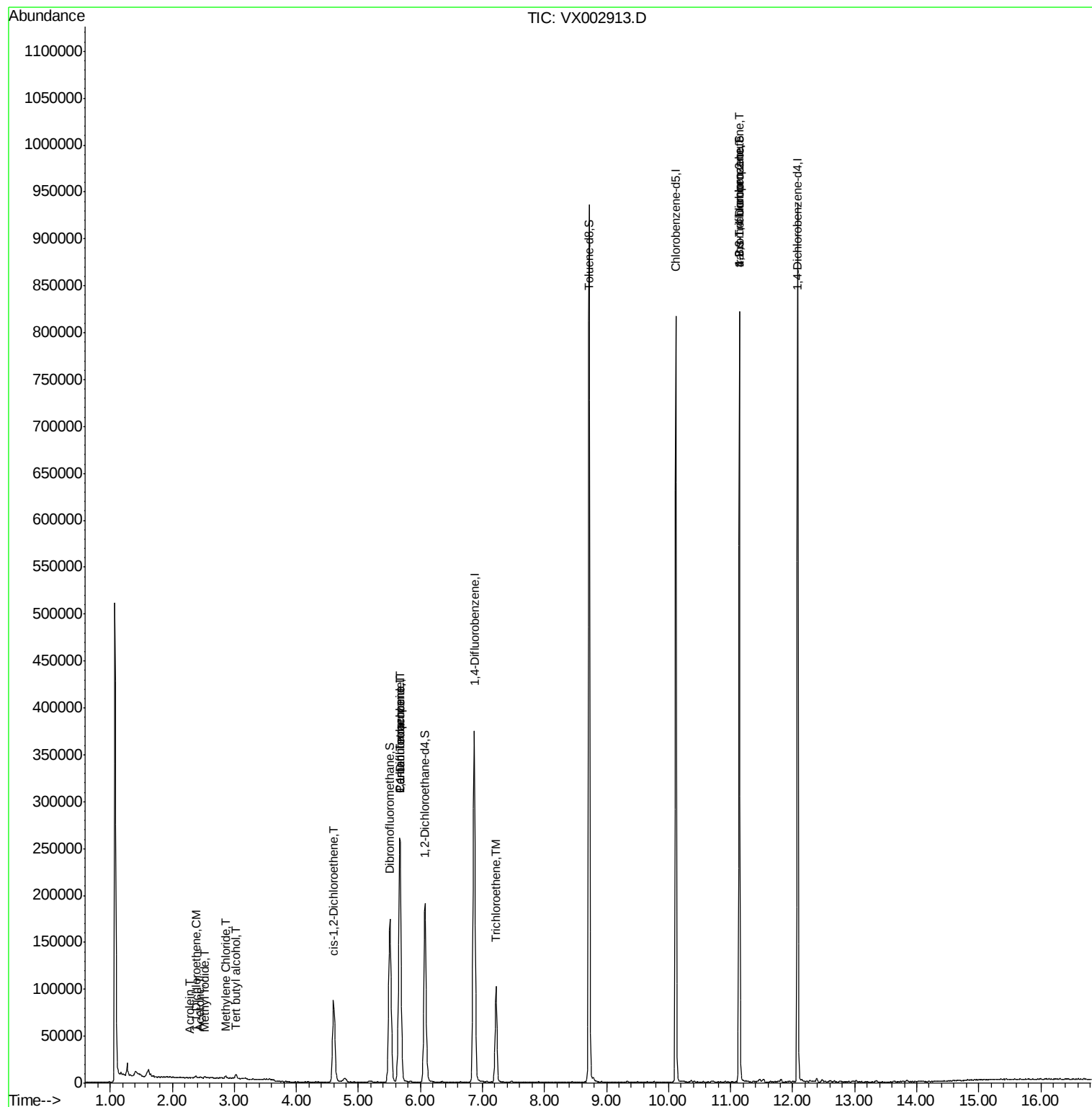
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.07	85	20	Below Cal	#	43
3) Chloromethane	1.33	50	519	Below Cal	#	86
5) Bromomethane	1.65	94	1299	Below Cal		95
6) Chloroethane	1.75	64	345	Below Cal	#	79
10) Methyl Iodide	2.52	142	1517	6.68	ug/l	79
11) Tert butyl alcohol	3.03	59	2583	3.56	ug/l	80
12) 1,1-Dichloroethene	2.37	96	607	0.23	ug/l	77
13) Acrolein	2.28	56	19	4.28	ug/l	1
16) Acetone	2.45	43	973	0.64	ug/l	74
20) Methylene Chloride	2.86	84	931	0.32	ug/l	85
27) cis-1,2-Dichloroethene	4.60	96	52667	16.59	ug/l	91
36) 1,1-Dichloropropene	5.67	75	17682	4.32	ug/l	51
38) Carbon Tetrachloride	5.67	117	24215	5.39	ug/l	17
44) Trichloroethene	7.22	130	40171	11.32	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	99844	27.70	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	99844	78.33	ug/l	7

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

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ClientSampleId :

Quant Time: Jun 27 02:44:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
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: VX002913.D

Acq: 27 Jun 2018 00:10

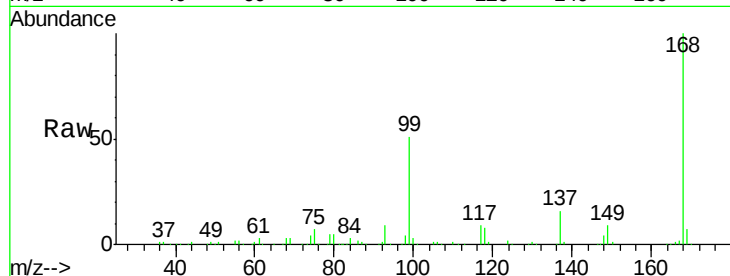
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 263646

Ion Ratio Lower Upper

168 100

99 51.3 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

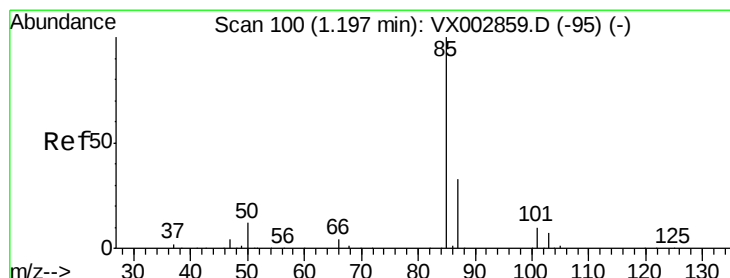
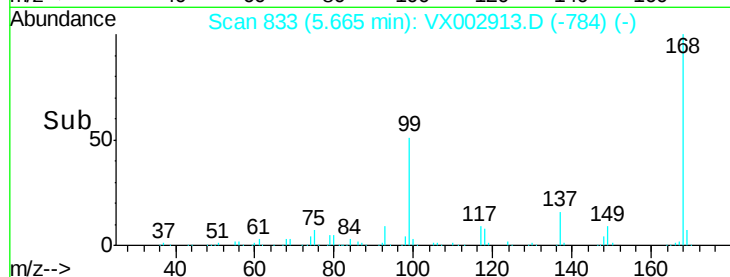
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.07 min Scan# 79

Delta R.T. -0.13 min

Lab File: VX002913.D

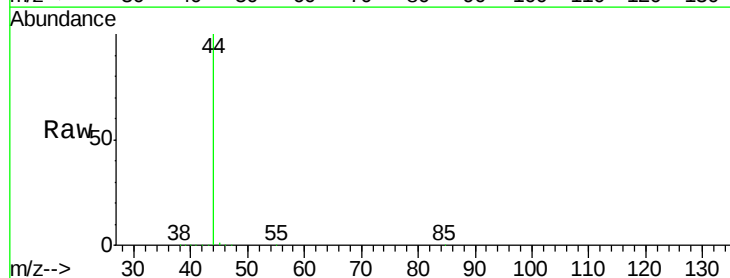
Acq: 27 Jun 2018 00:10

Tgt Ion: 85 Resp: 20

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

1.07

60

50

40

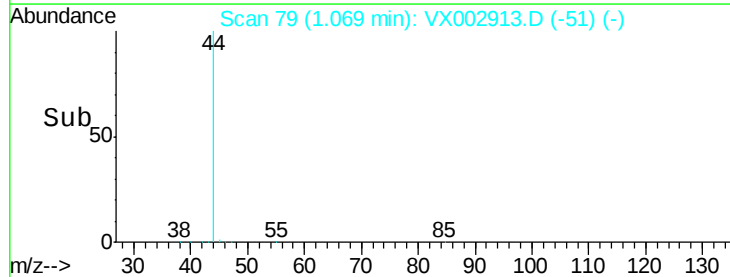
30

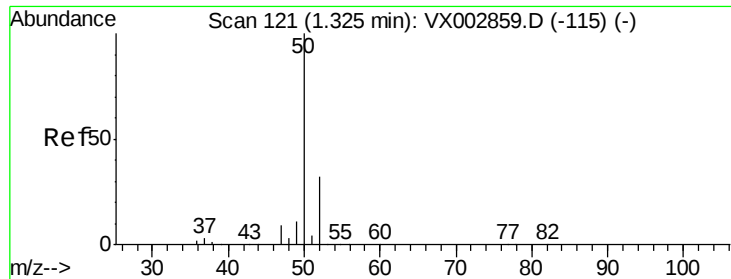
20

10

0

Time--> 1.05 1.06 1.07 1.08





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

Instrument :

MSVOA_X

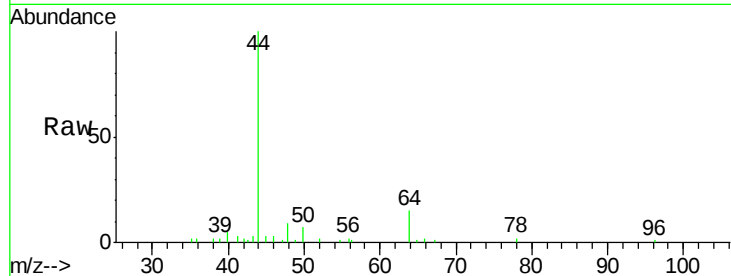
ClientSampleId :

Tot Ion: 50 Resp: 519

Ion Ratio Lower Upper

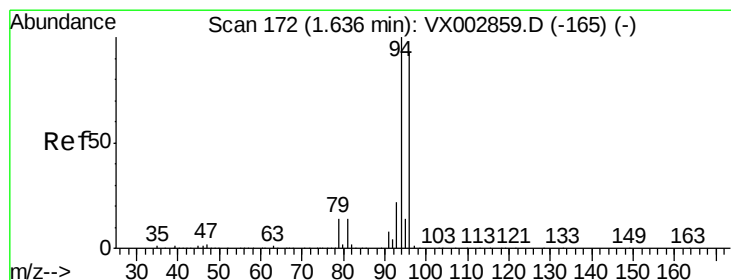
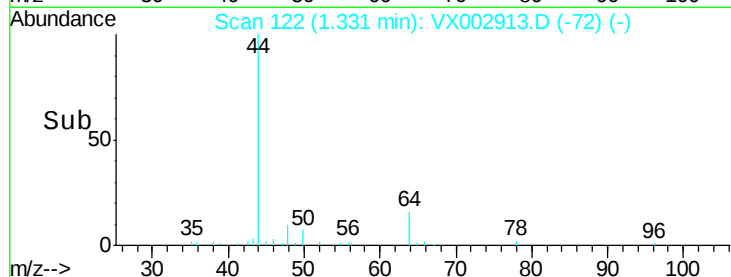
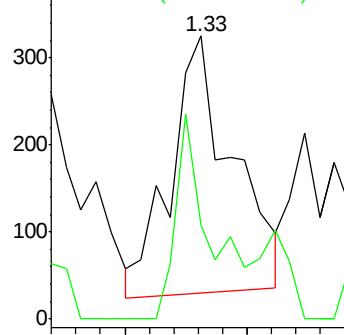
50 100

52 40.1 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002913.D

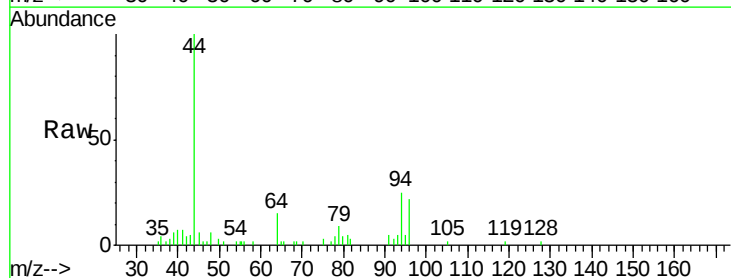
Acq: 27 Jun 2018 00:10

Tgt Ion: 94 Resp: 1299

Ion Ratio Lower Upper

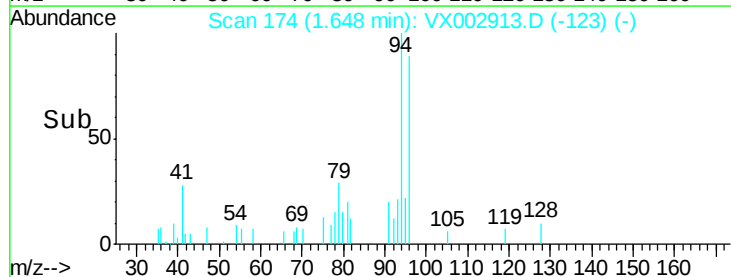
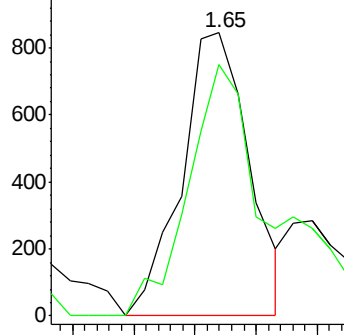
94 100

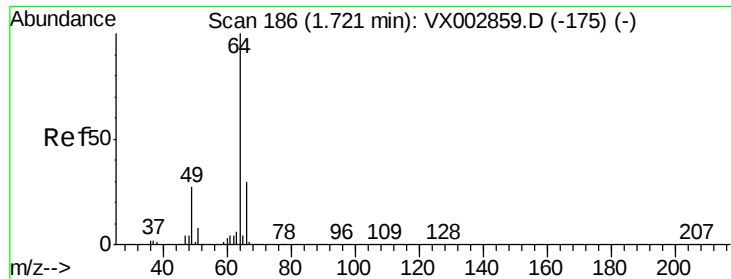
96 89.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 191

Delta R.T. 0.03 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

Instrument :

MSVOA_X

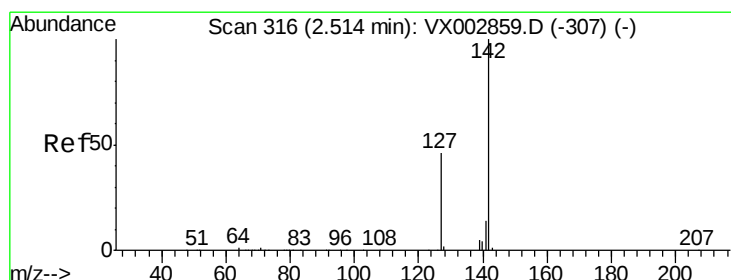
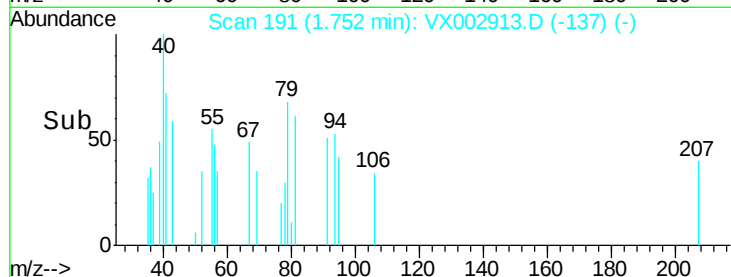
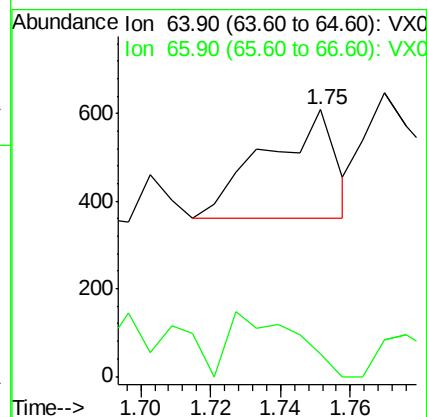
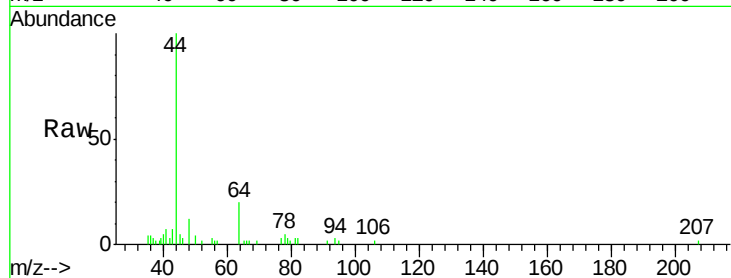
ClientSampleId :

Tot Ion: 64 Resp: 345

Ion Ratio Lower Upper

64 100

66 20.5 25.5 38.3#



#10

Methyl Iodide

Concen: 6.68 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

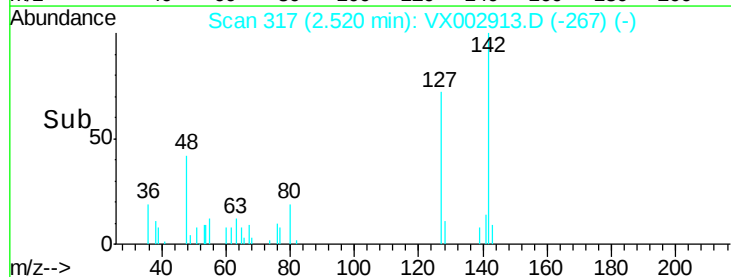
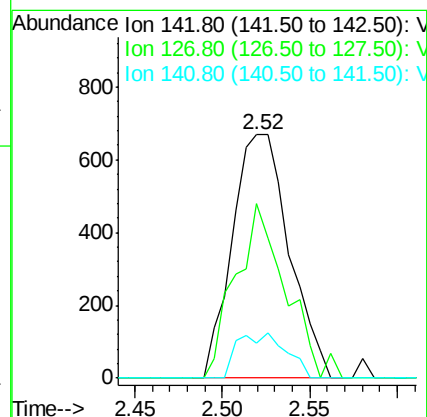
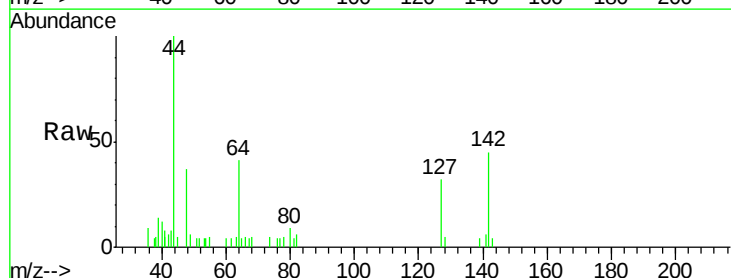
Tgt Ion:142 Resp: 1517

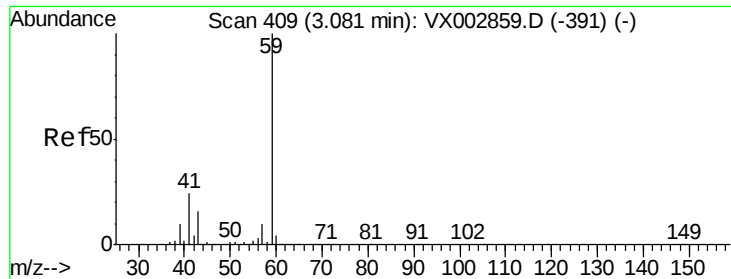
Ion Ratio Lower Upper

142 100

127 62.9 36.6 55.0#

141 15.8 11.3 16.9

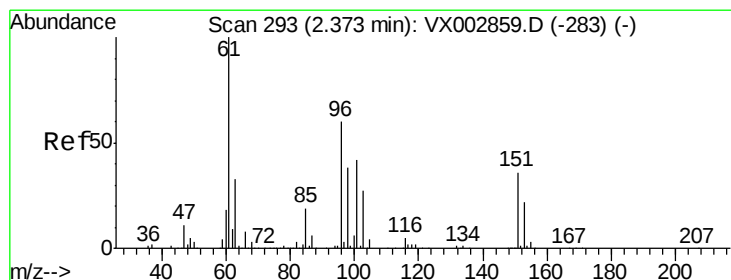
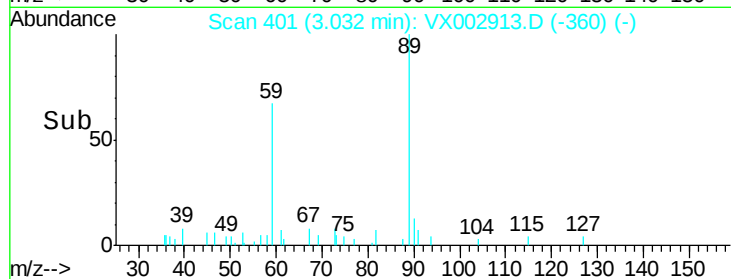
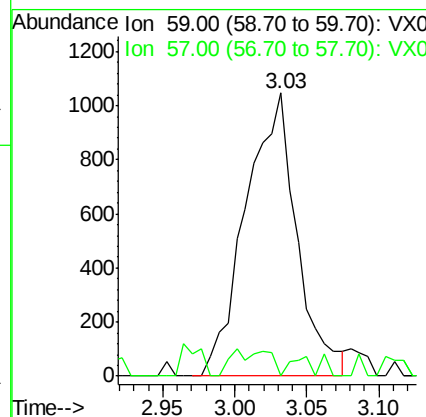
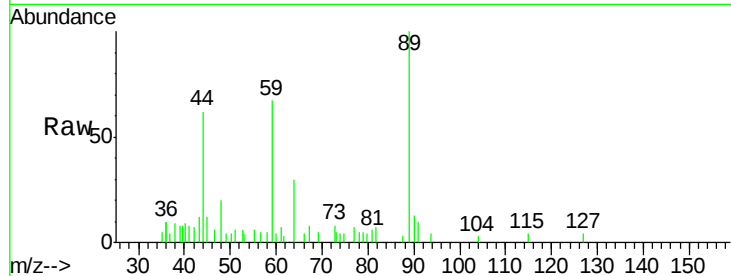




#11
Tert butyl alcohol
Concen: 3.56 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX002913.D
Acq: 27 Jun 2018 00:10

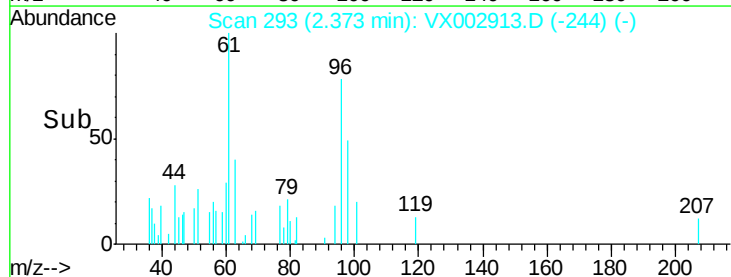
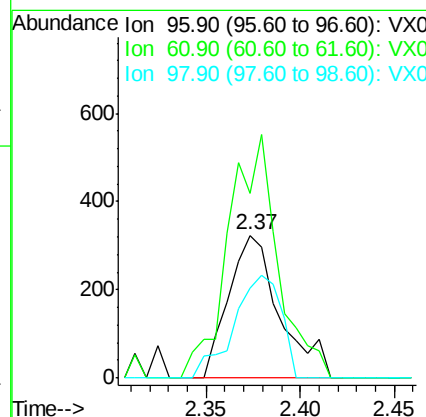
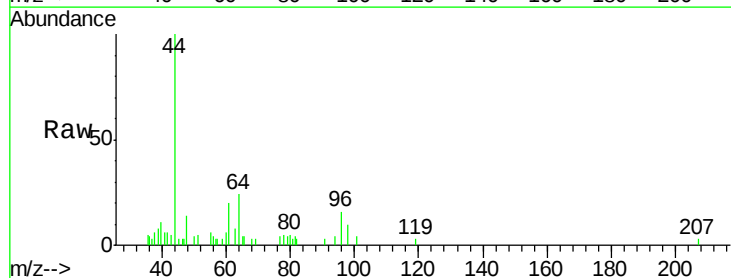
Instrument :
MSVOA_X
ClientSampleId :

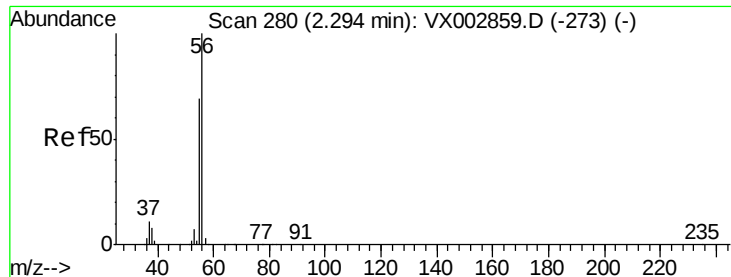
Tot Ion: 59 Resp: 2583
Ion Ratio Lower Upper
59 100
57 2.6 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.23 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002913.D
Acq: 27 Jun 2018 00:10

Tgt Ion: 96 Resp: 607
Ion Ratio Lower Upper
96 100
61 129.0 137.9 206.9#
98 63.3 51.6 77.4





#13

Acrolein

Concen: 4.28 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

Instrument :

MSVOA_X

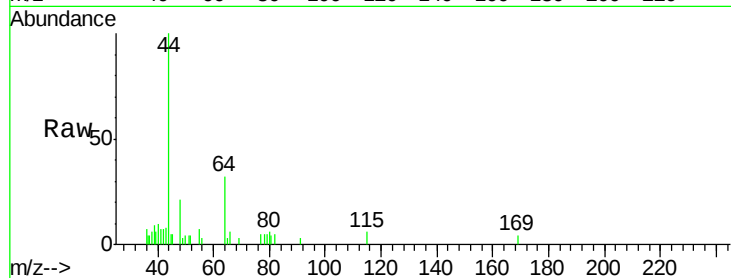
ClientSampled :

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

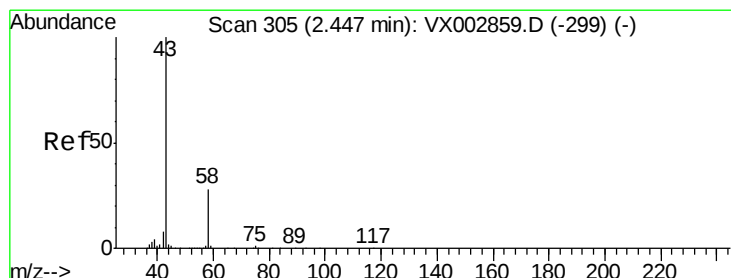
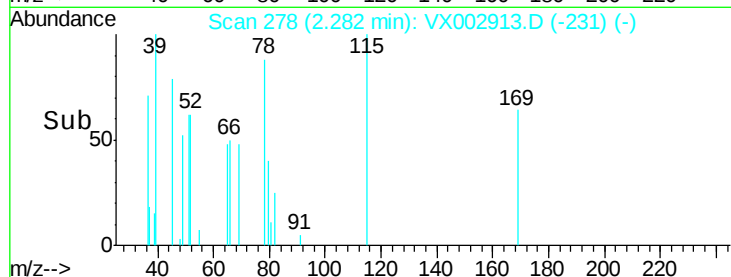
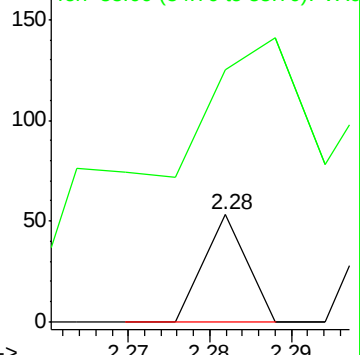
56 100

55 1089.5 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.64 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002913.D

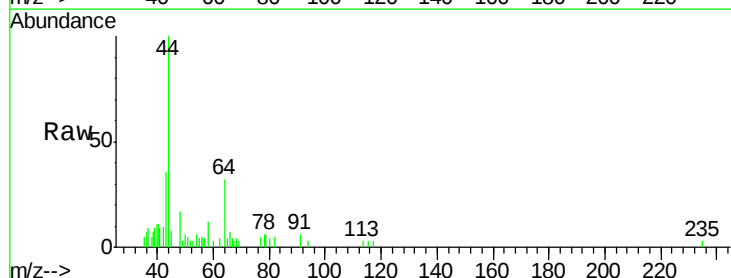
Acq: 27 Jun 2018 00:10

Tgt Ion: 43 Resp: 973

Ion Ratio Lower Upper

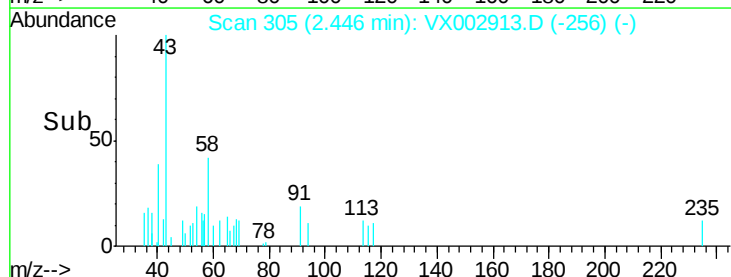
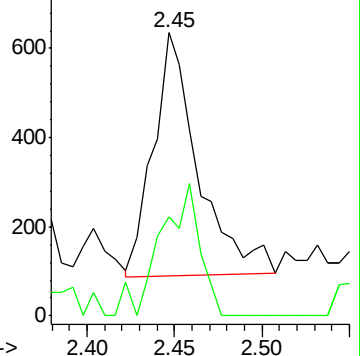
43 100

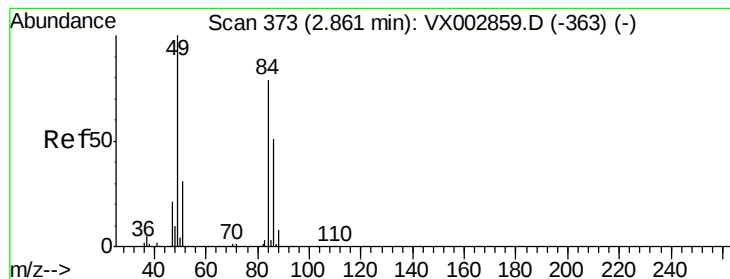
58 41.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 0.32 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 931

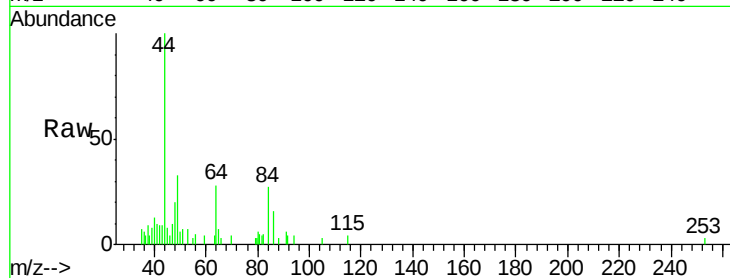
Ion Ratio Lower Upper

84 100

49 122.8 107.8 161.6

51 15.4 32.8 49.2#

86 58.9 52.5 78.7

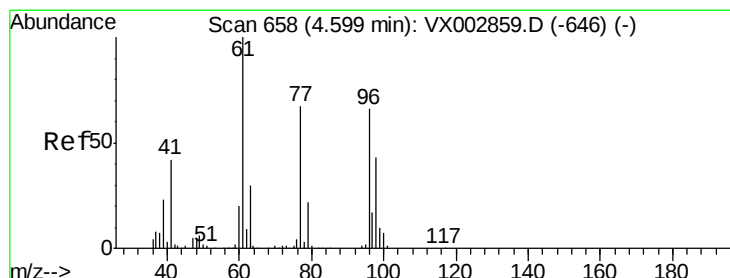
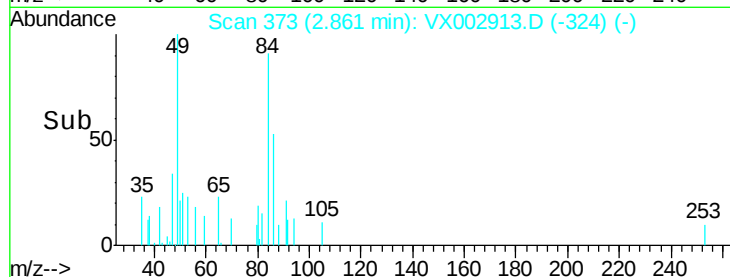
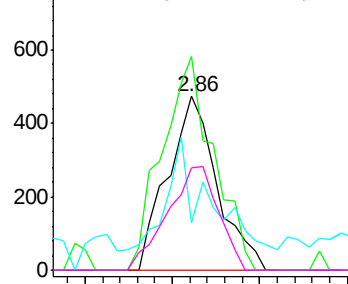


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 16.59 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

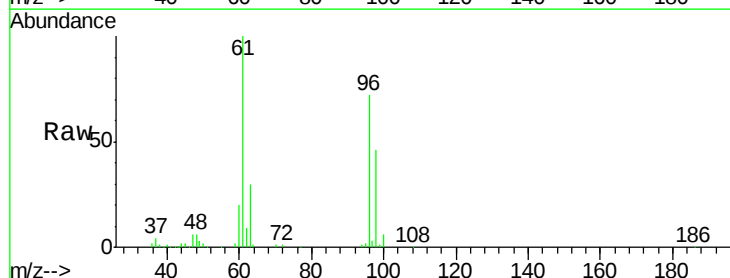
Tgt Ion: 96 Resp: 52667

Ion Ratio Lower Upper

96 100

61 148.7 0.0 330.2

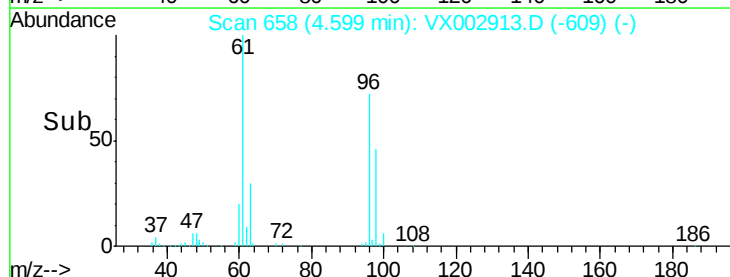
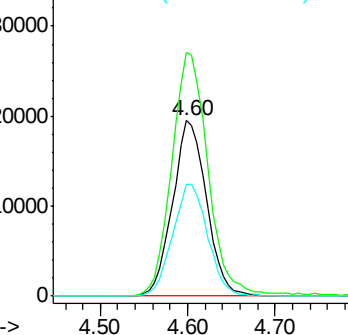
98 65.5 0.0 130.2

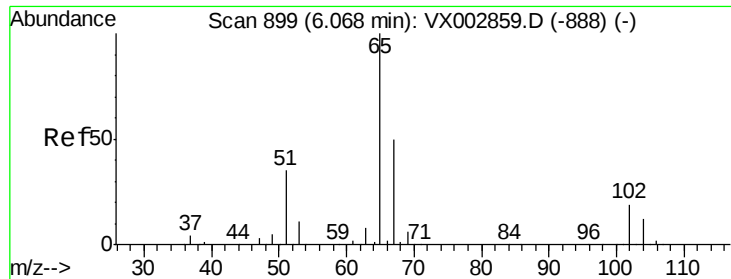


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.82 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

Instrument :

MSVOA_X

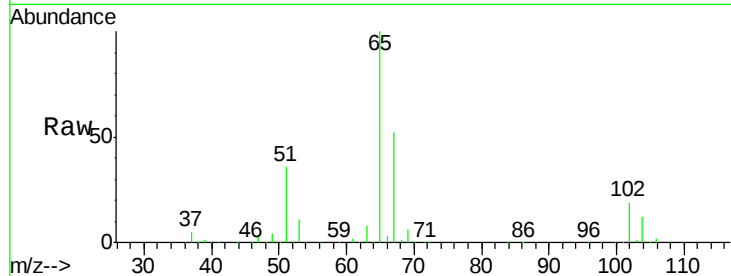
ClientSampleId :

Tot Ion: 65 Resp: 181561

Ion Ratio Lower Upper

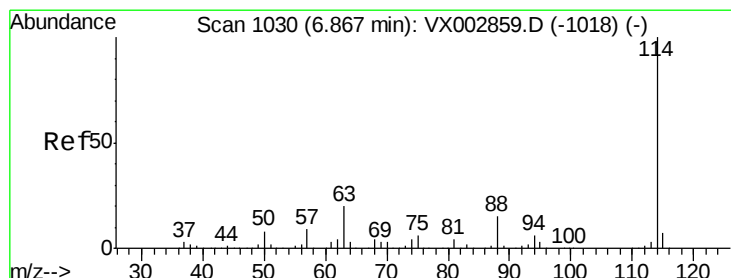
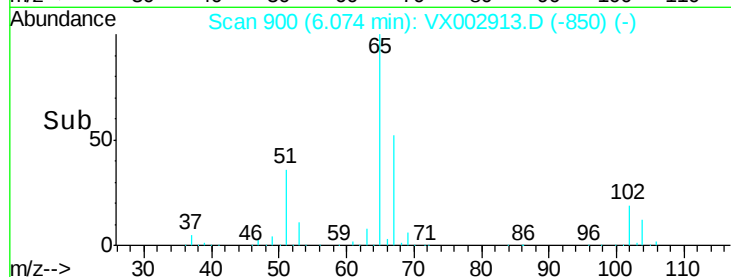
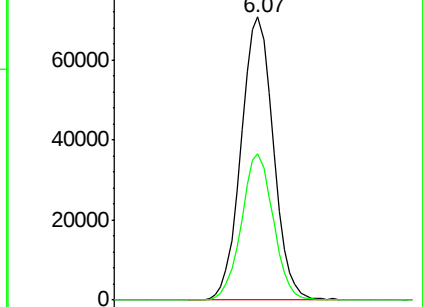
65 100

67 51.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

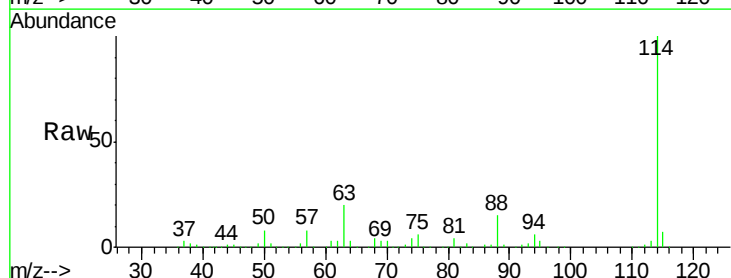
Tgt Ion: 114 Resp: 373512

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

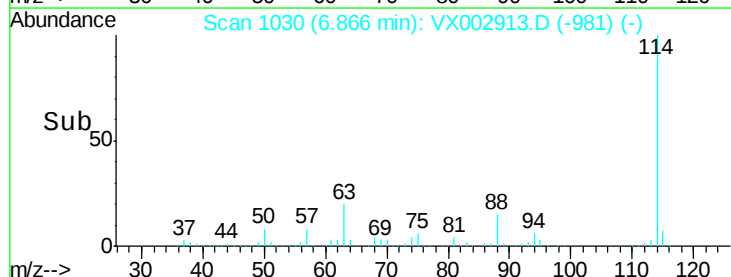
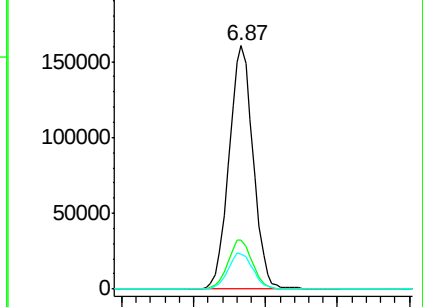
88 14.6 0.0 30.0

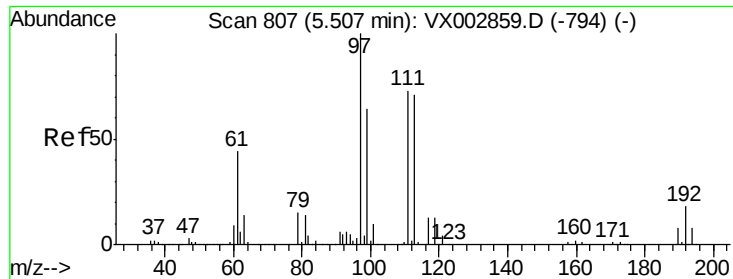


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.42 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

Instrument :
MSVOA_X
ClientSampleId :

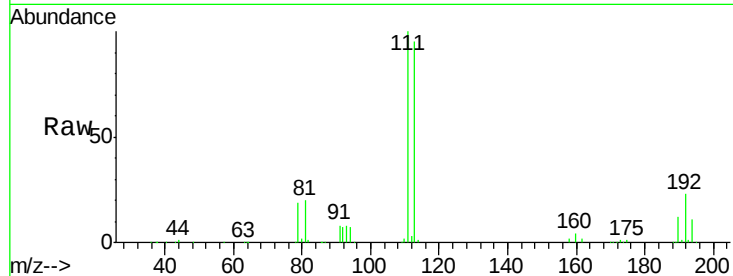
Tot Ion:113 Resp: 143233

Ion Ratio Lower Upper

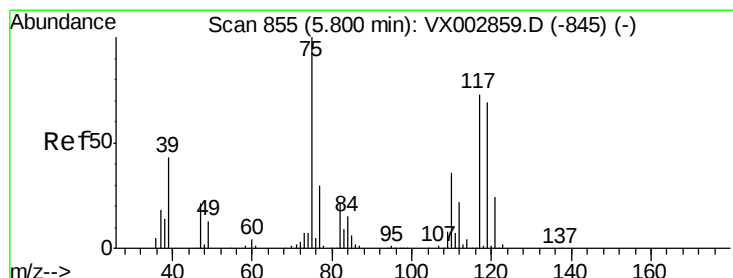
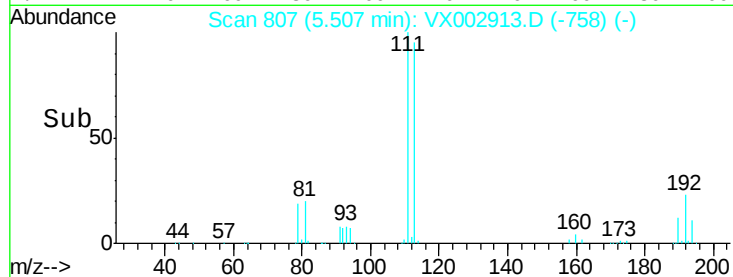
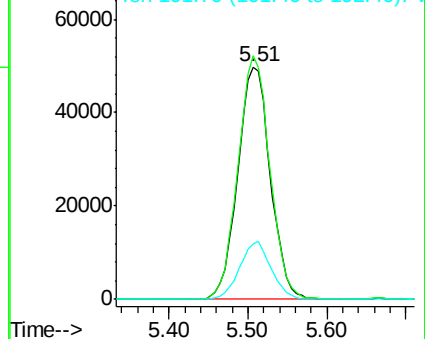
113 100

111 102.5 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: VX002913.D

Acq: 27 Jun 2018 00:10

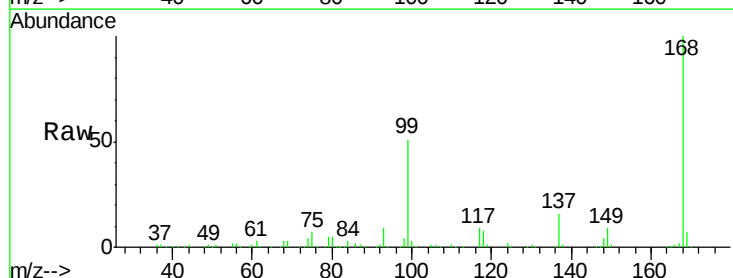
Tgt Ion: 75 Resp: 17682

Ion Ratio Lower Upper

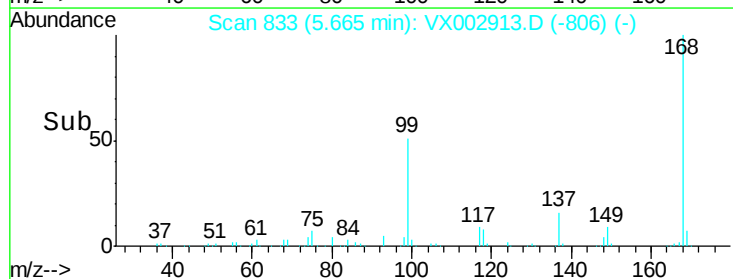
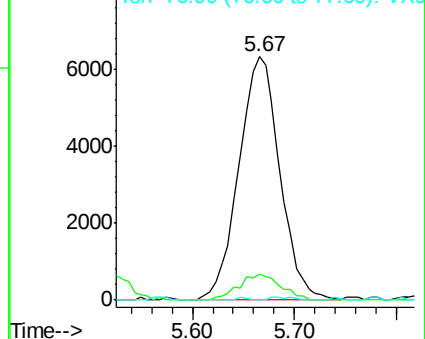
75 100

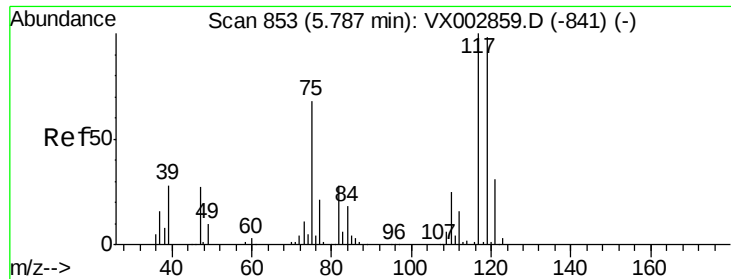
110 10.9 18.1 54.4#

77 0.3 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: 5.39 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

Instrument :

MSVOA_X

ClientSampleId :

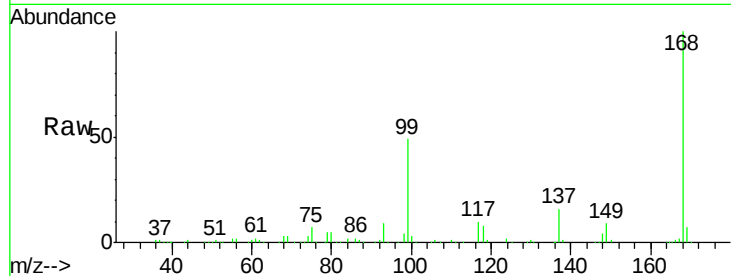
Tot Ion:117 Resp: 24215

Ion Ratio Lower Upper

117 100

119 6.3 77.4 116.0#

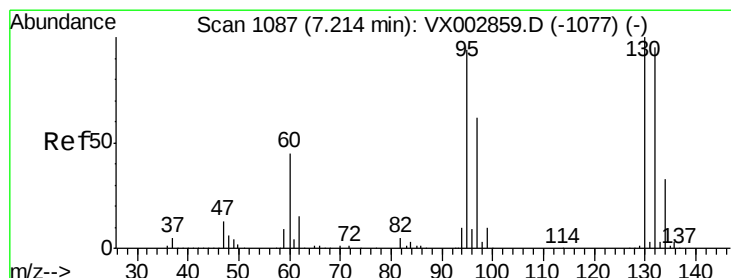
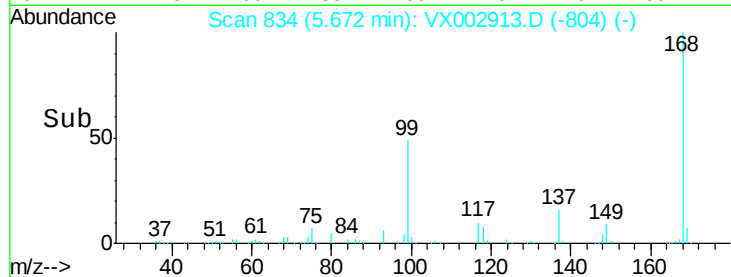
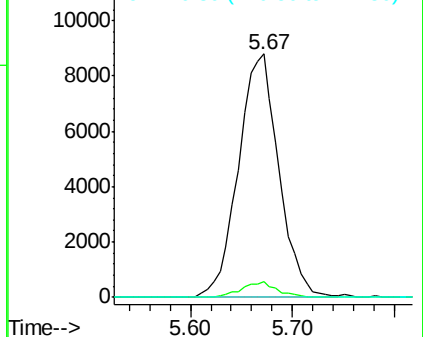
121 0.0 24.4 36.6#



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: 11.32 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002913.D

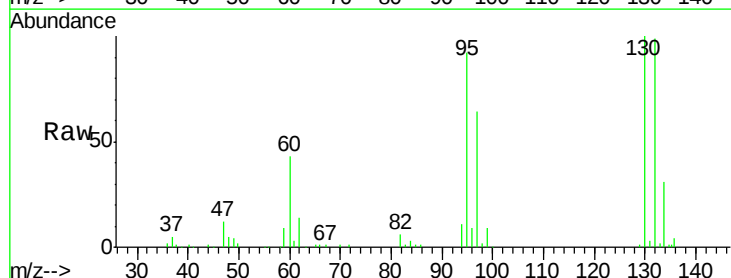
Acq: 27 Jun 2018 00:10

Tgt Ion:130 Resp: 40171

Ion Ratio Lower Upper

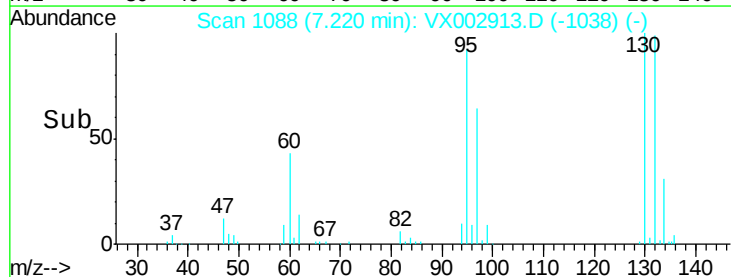
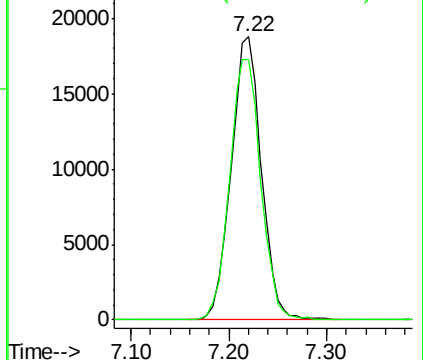
130 100

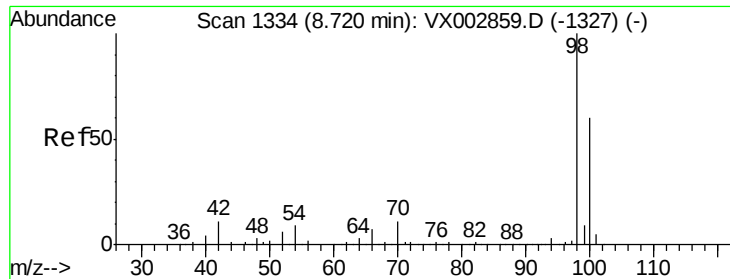
95 91.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.05 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

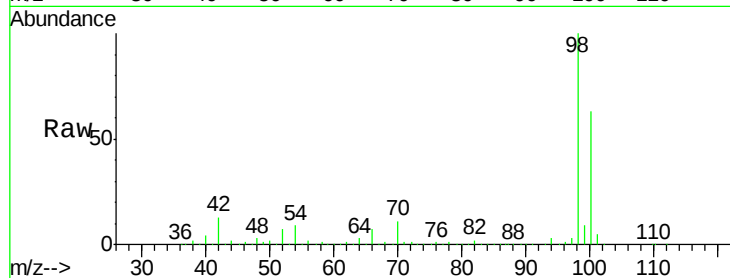
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 529803

Ion Ratio Lower Upper

98 100

100 63.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

300000

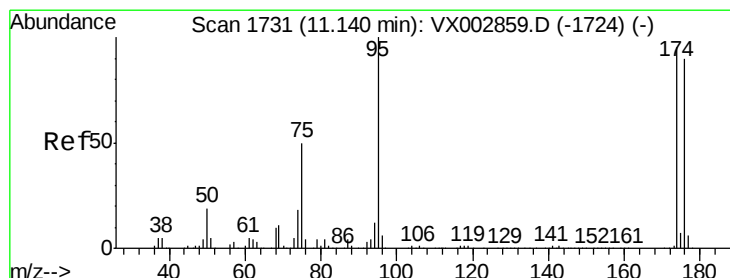
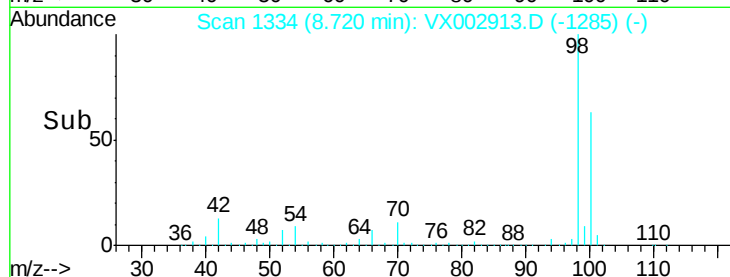
200000

100000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 45.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

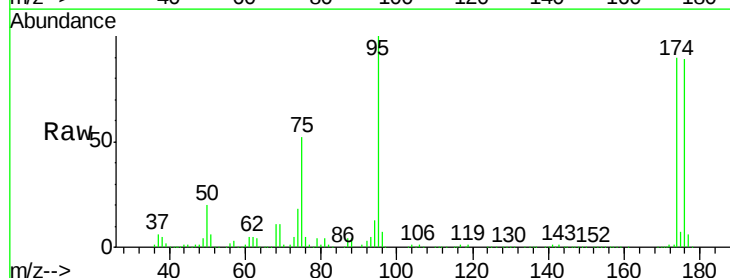
Tgt Ion: 95 Resp: 191189

Ion Ratio Lower Upper

95 100

174 94.5 0.0 187.4

176 92.5 0.0 181.0



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

200000

150000

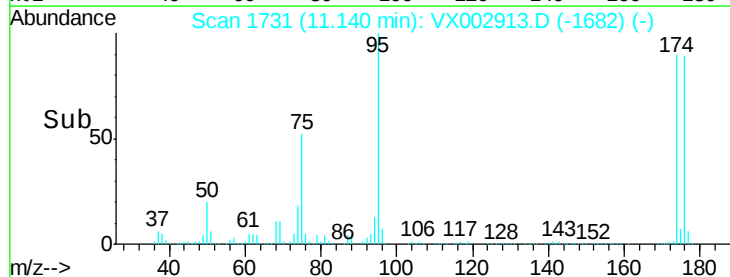
100000

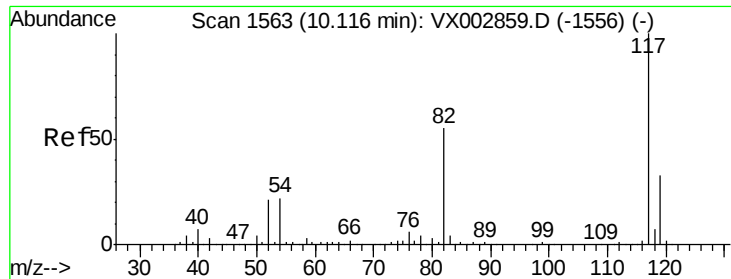
50000

0

11.10 11.20

Time-->

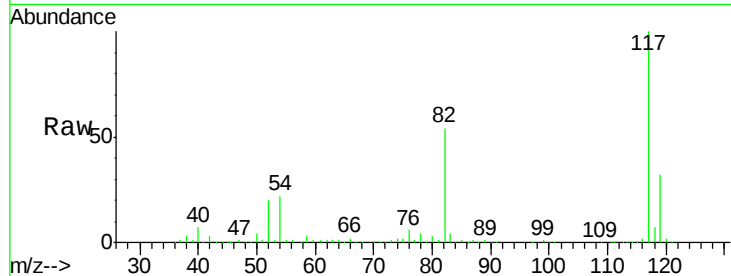




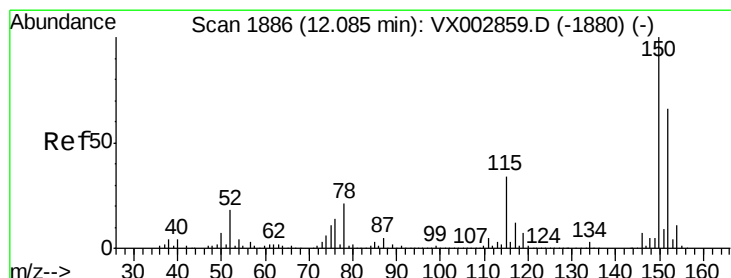
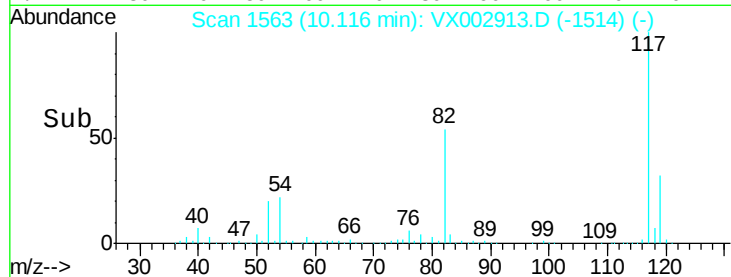
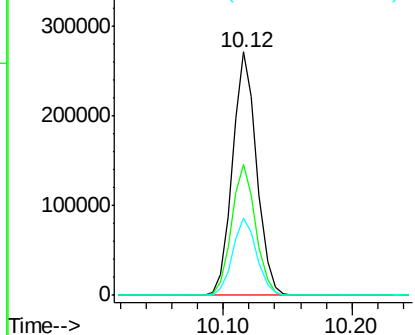
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002913.D
Acq: 27 Jun 2018 00:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 354382
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.4
119 31.8 25.8 38.6

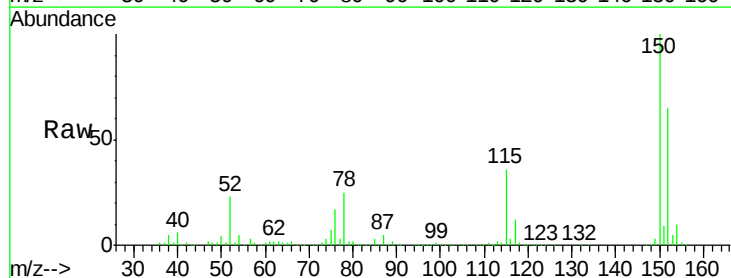


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

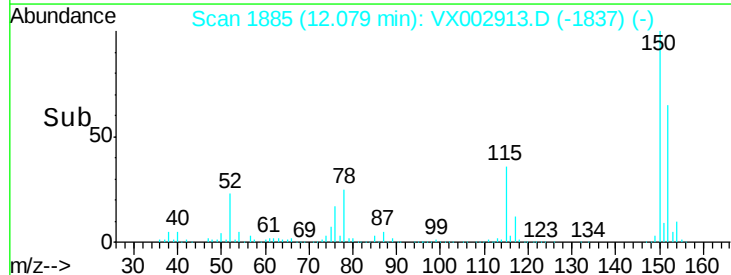
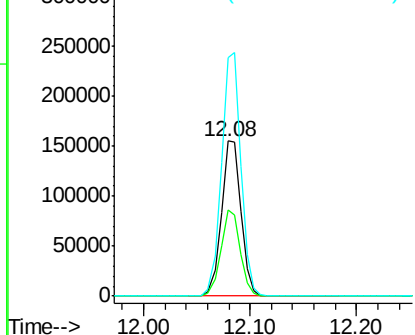


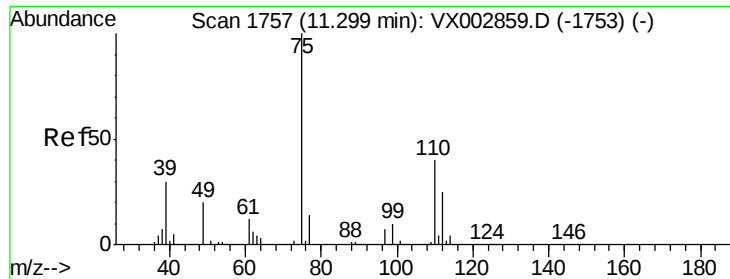
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002913.D
Acq: 27 Jun 2018 00:10

Tgt Ion:152 Resp: 198980
Ion Ratio Lower Upper
152 100
115 54.3 40.1 120.2
150 155.6 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: 27.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

Instrument :

MSVOA_X

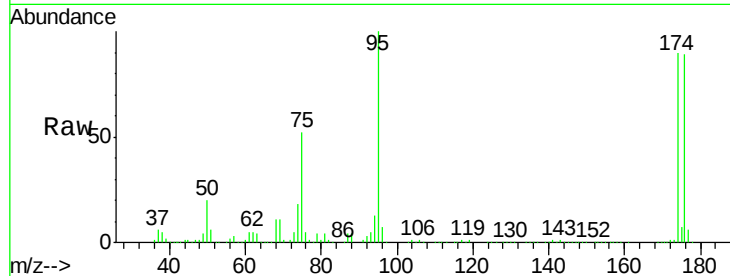
ClientSampled :

Tot Ion: 75 Resp: 99844

Ion Ratio Lower Upper

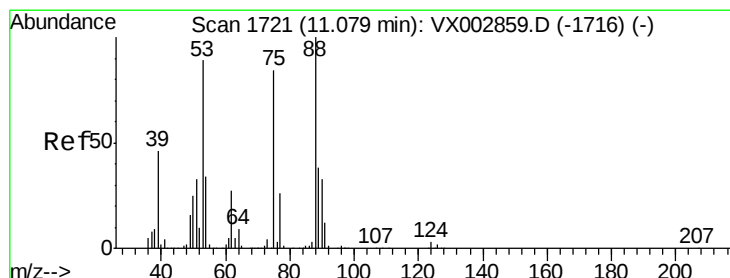
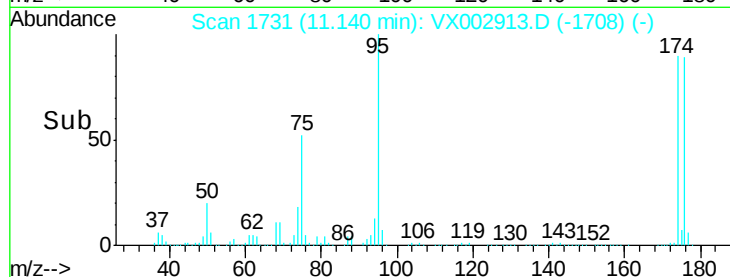
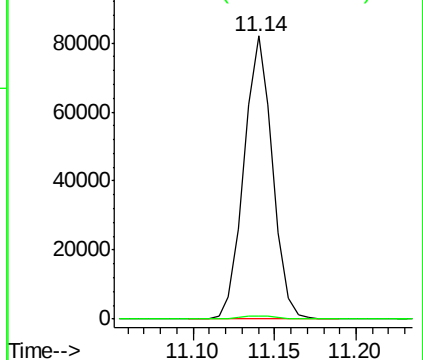
75 100

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: 78.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002913.D

Acq: 27 Jun 2018 00:10

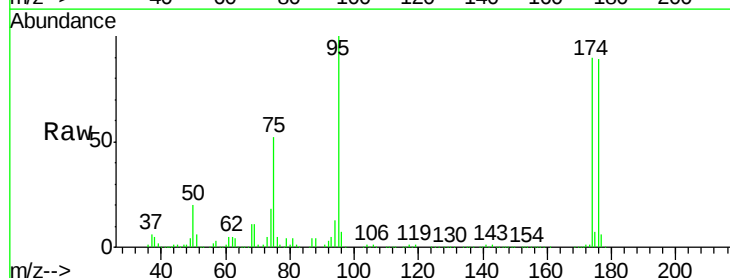
Tgt Ion: 75 Resp: 99844

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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

