

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003055.D
 Acq On : 30 Jun 2018 03:22
 Operator : JC/MD
 Sample : J3671-14MEDL 10X
 Misc : 5.62g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 04:06:14 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	267098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	370316	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	226210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176518	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	5.51	113	140700	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	8.72	98	527728	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.14	95	206772	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	94	Below Cal	#	43
3) Chloromethane	1.32	50	484	Below Cal		91
5) Bromomethane	1.64	94	1595	Below Cal	#	68
6) Chloroethane	1.72	64	297	Below Cal	#	43
10) Methyl Iodide	2.51	142	1568	6.68	ug/l #	94
11) Tert butyl alcohol	3.03	59	4511	6.13	ug/l #	88
13) Acrolein	2.28	56	193	4.69	ug/l	94
16) Acetone	2.45	43	1111	0.73	ug/l #	85
18) Methyl Acetate	2.78	43	900	0.21	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	1671	0.52	ug/l #	1
29) Tetrahydrofuran	5.17	42	1274	0.88	ug/l #	76
31) Cyclohexane	5.67	56	5144	1.11	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17551	4.32	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24326	5.46	ug/l #	16
39) Methylcyclohexane	7.45	83	1180	0.25	ug/l #	75
44) Trichloroethene	7.22	130	713	0.20	ug/l	80
65) Chlorobenzene	10.14	112	197742	21.71	ug/l	99
67) Ethyl Benzene	10.26	91	4616	0.31	ug/l	98
69) o-Xylene	10.70	106	1901	0.34	ug/l	94
73) Isopropylbenzene	11.02	105	10396	0.68	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	15366	3.28	ug/l #	26
76) 1,2,3-Trichloropropane	11.14	75	106172	25.91	ug/l #	33
78) n-propylbenzene	11.37	91	38860	2.24	ug/l	99
79) 2-Chlorotoluene	11.51	91	6284	0.60	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	47558	3.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	106172	73.49	ug/l #	11
82) 4-Chlorotoluene	11.51	91	6284	0.51	ug/l	97
83) tert-Butylbenzene	11.77	119	33902	2.68	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	122066	9.19	ug/l	99
85) sec-Butylbenzene	11.95	105	89797	5.86	ug/l #	56
86) p-Isopropyltoluene	12.07	119	39884	2.89	ug/l	97
87) 1,3-Dichlorobenzene	12.10	146	233482	29.50	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	233482	28.66	ug/l	97
89) n-Butylbenzene	12.39	91	167495	13.97	ug/l #	44

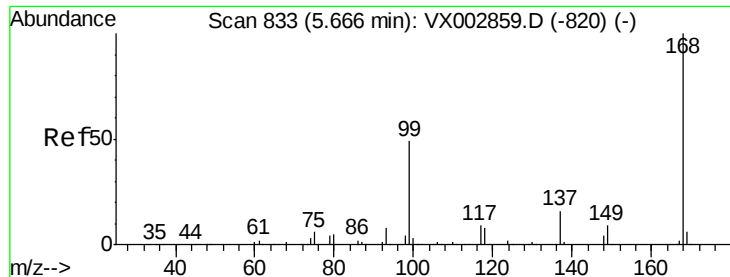
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062918\
 Data File : VX003055.D
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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	12.59	117	11965	5.84	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	268580	33.62	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1392	1.32	ug/l #	35
93) 1,2,4-Trichlorobenzene	13.65	180	12155	2.09	ug/l #	87
95) Naphthalene	13.83	128	423222	27.33	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	3066	0.53	ug/l #	50

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

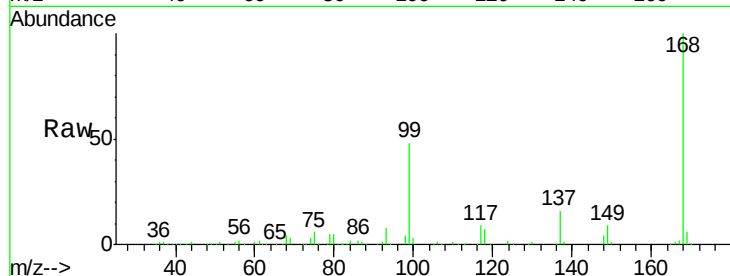
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 267098

Ion Ratio Lower Upper

168 100

99 48.3 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

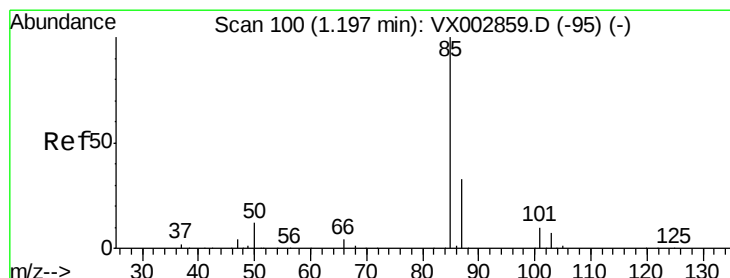
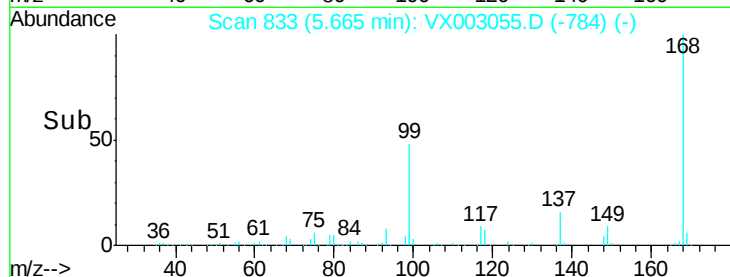
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003055.D

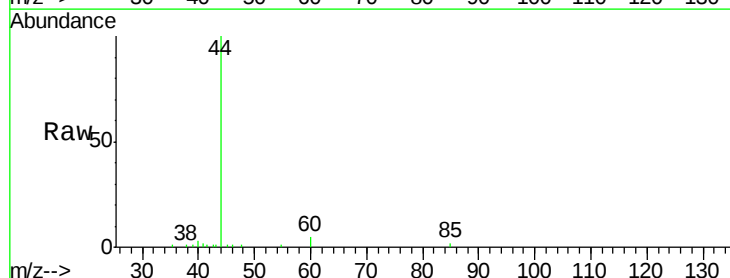
Acq: 30 Jun 2018 03:22

Tgt Ion: 85 Resp: 94

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

1.19

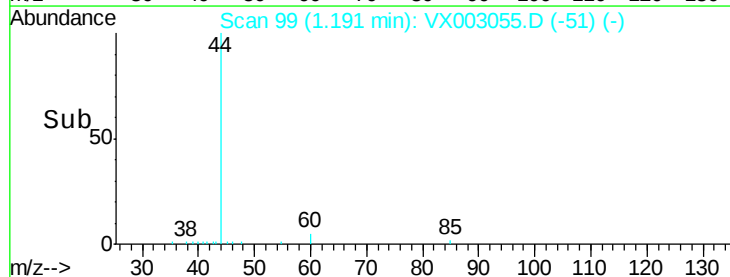
150

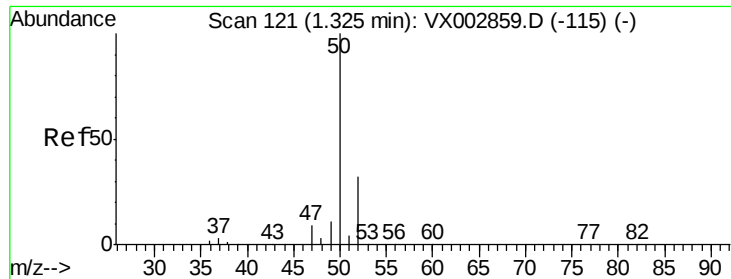
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

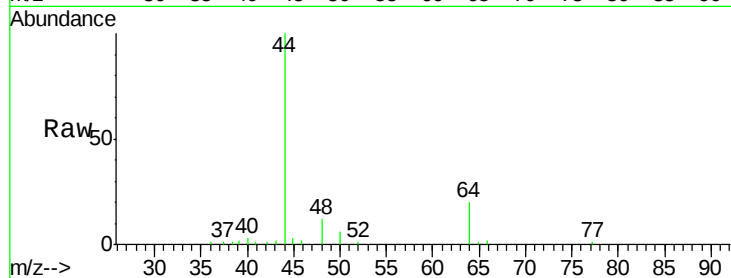
ClientSampleId :

Tot Ion: 50 Resp: 484

Ion Ratio Lower Upper

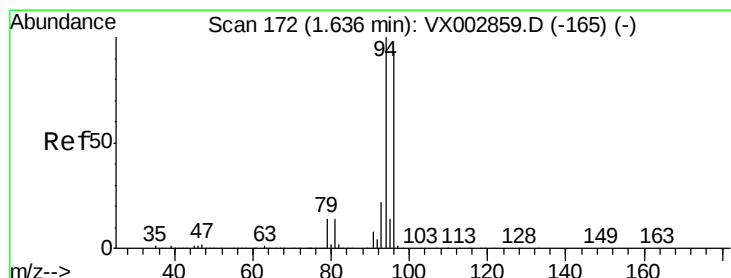
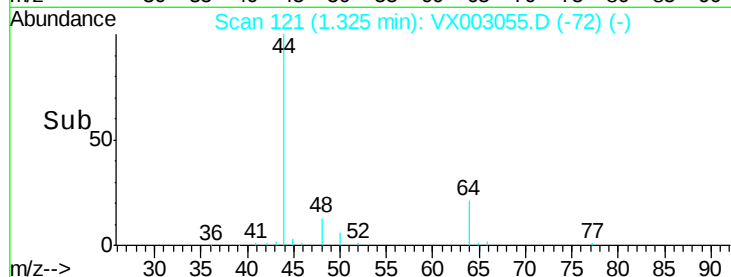
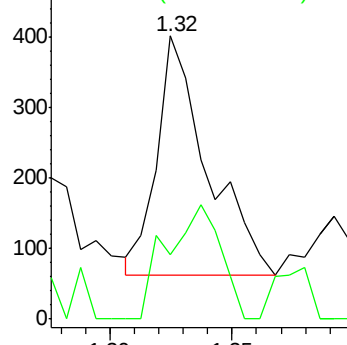
50 100

52 27.2 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: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003055.D

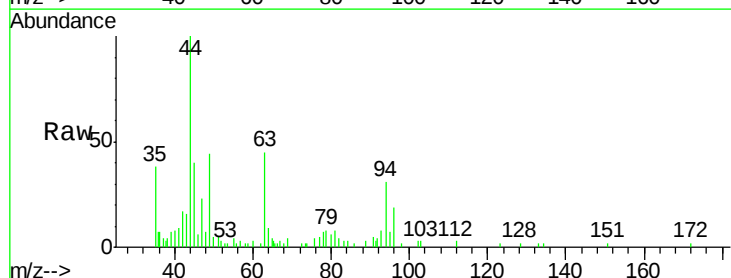
Acq: 30 Jun 2018 03:22

Tgt Ion: 94 Resp: 1595

Ion Ratio Lower Upper

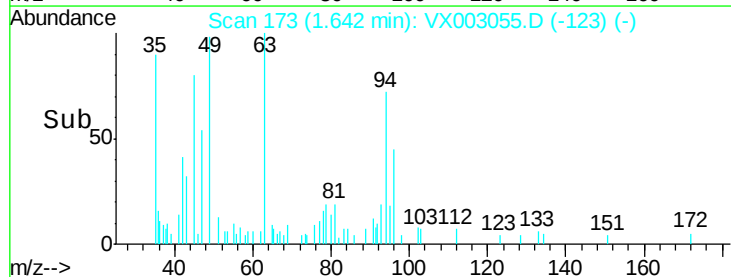
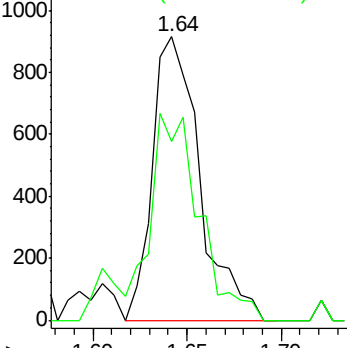
94 100

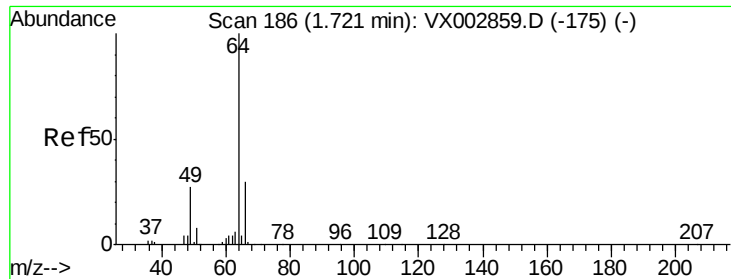
96 63.0 74.9 112.3#



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: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

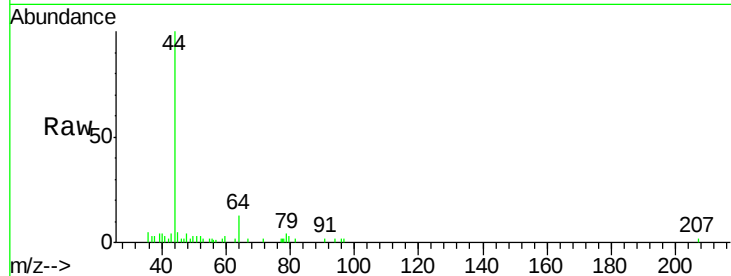
ClientSampleId :

Tot Ion: 64 Resp: 297

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

400

300

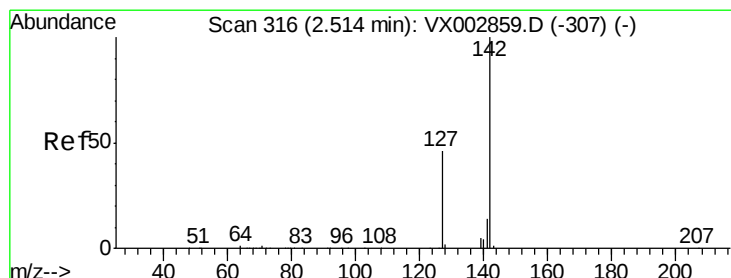
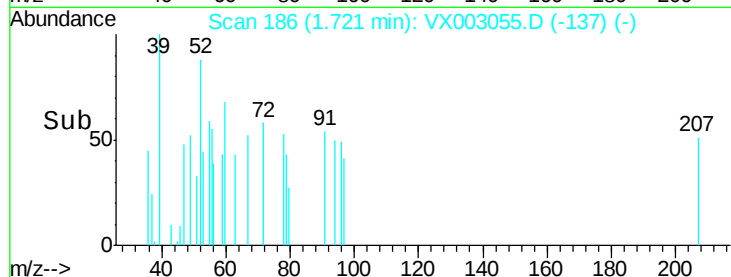
200

100

0

1.68 1.70 1.72 1.74

Time-->



#10

Methyl Iodide

Concen: 6.68 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

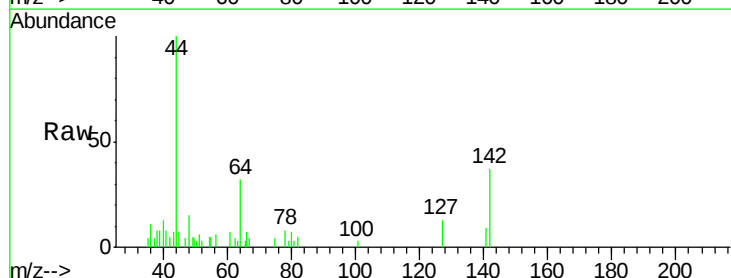
Tgt Ion: 142 Resp: 1568

Ion Ratio Lower Upper

142 100

127 42.7 36.6 55.0

141 18.7 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

2.51

800

600

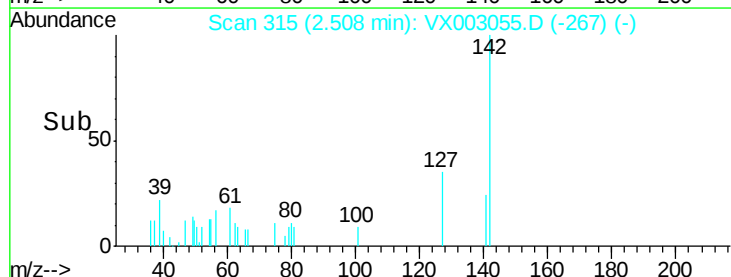
400

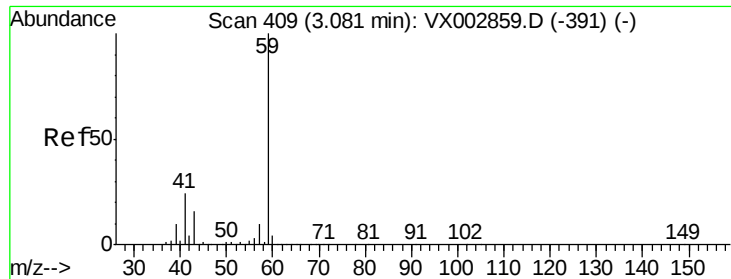
200

0

2.45 2.50 2.55 2.60

Time-->

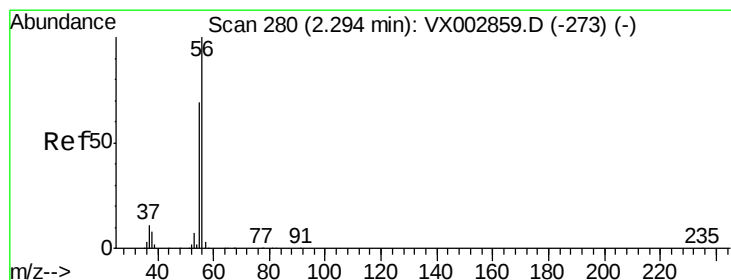
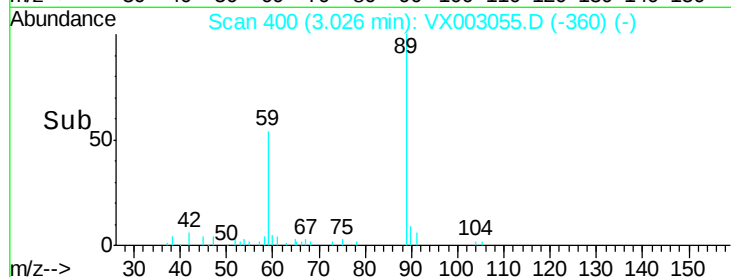
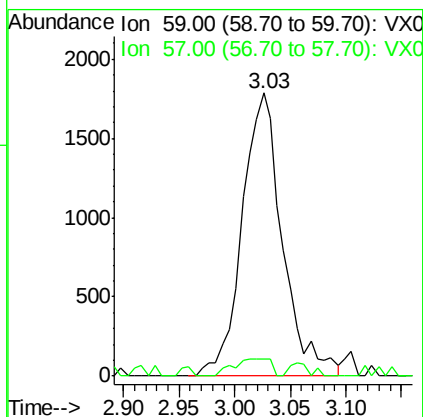
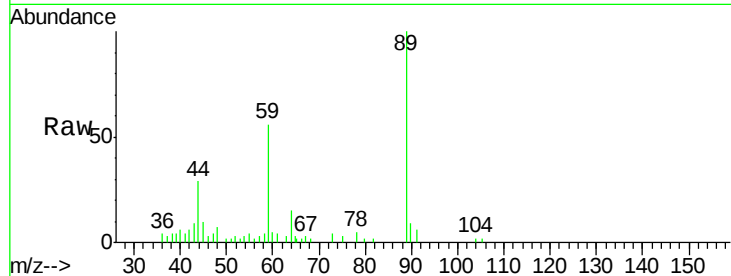




#11
Tert butyl alcohol
Concen: 6.13 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX003055.D
Acq: 30 Jun 2018 03:22

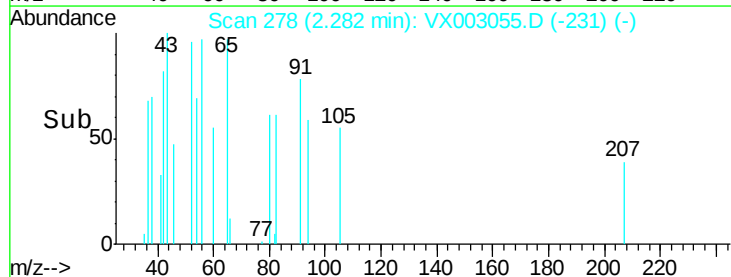
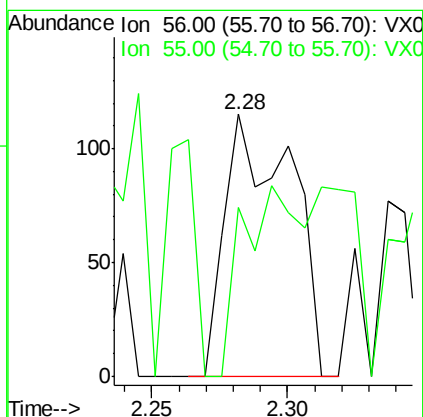
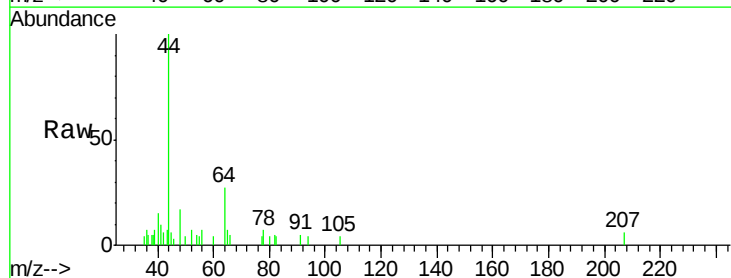
Instrument :
MSVOA_X
ClientSampled :

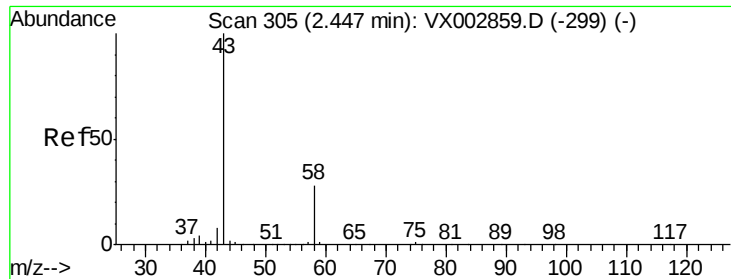
Tot Ion: 59 Resp: 4511
Ion Ratio Lower Upper
59 100
57 5.7 8.2 12.2#



#13
Acrolein
Concen: 4.69 ug/l
RT: 2.28 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX003055.D
Acq: 30 Jun 2018 03:22

Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 66.3 57.0 85.4





#16

Acetone

Concen: 0.73 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

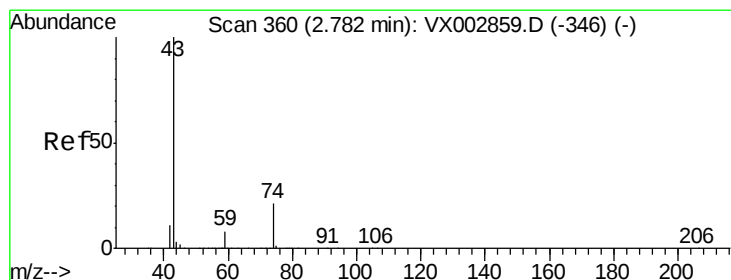
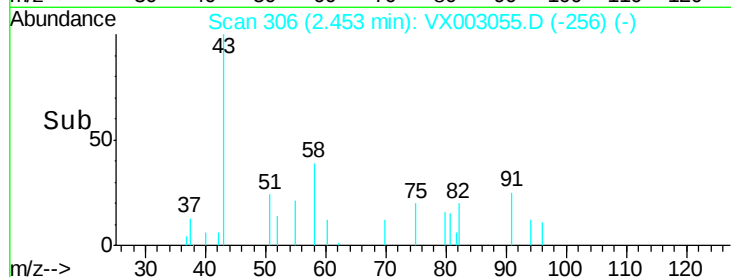
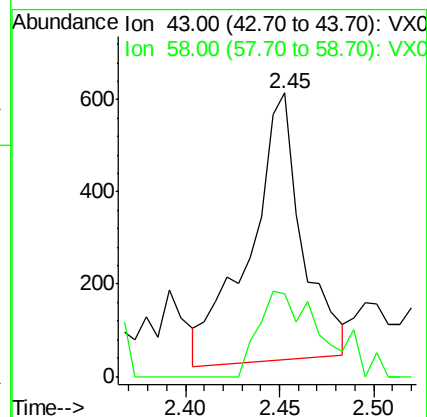
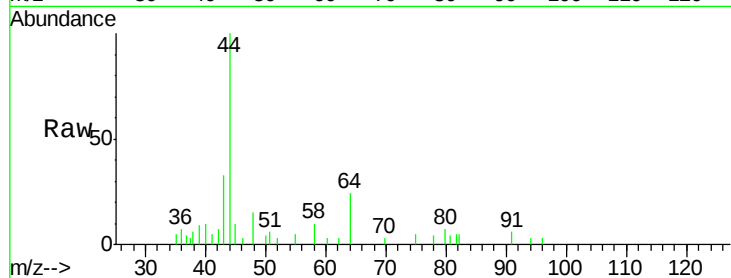
ClientSampled :

Tot Ion: 43 Resp: 1111

Ion Ratio Lower Upper

43 100

58 35.4 22.1 33.1#



#18

Methyl Acetate

Concen: 0.21 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003055.D

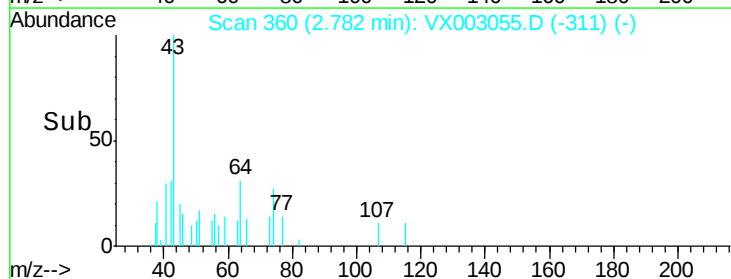
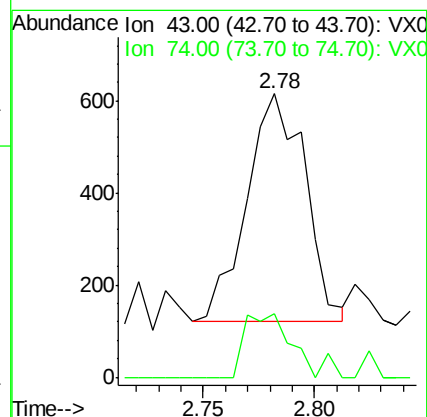
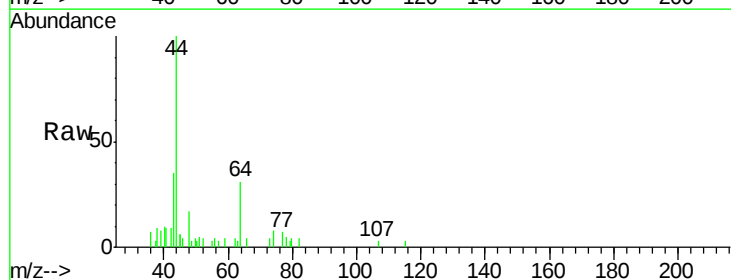
Acq: 30 Jun 2018 03:22

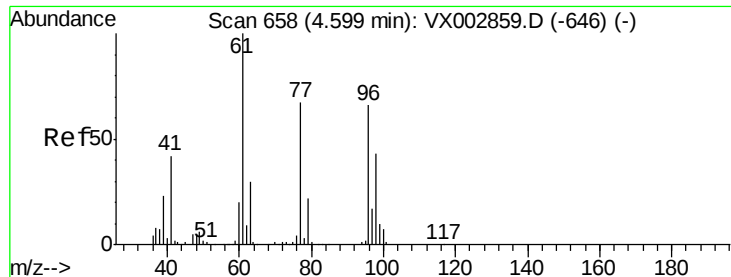
Tgt Ion: 43 Resp: 900

Ion Ratio Lower Upper

43 100

74 23.7 16.7 25.1





#27

cis-1,2-Dichloroethene

Concen: 0.52 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

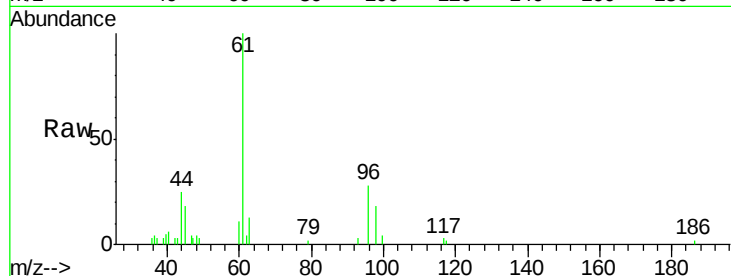
Tot Ion: 96 Resp: 1671

Ion Ratio Lower Upper

96 100

61 767.3 0.0 330.2#

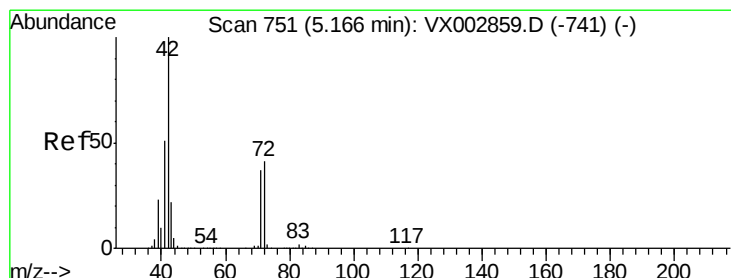
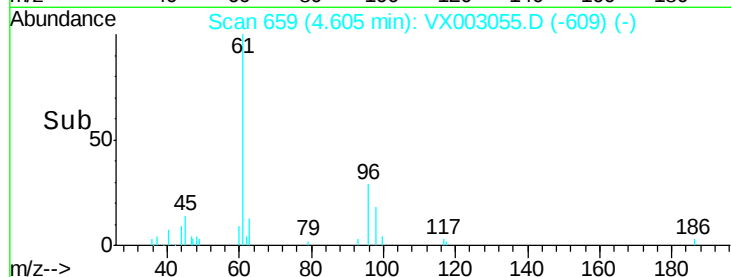
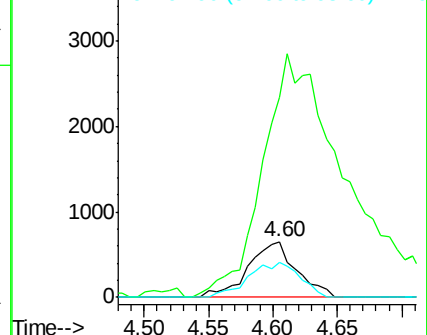
98 68.0 0.0 130.2



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: 0.88 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

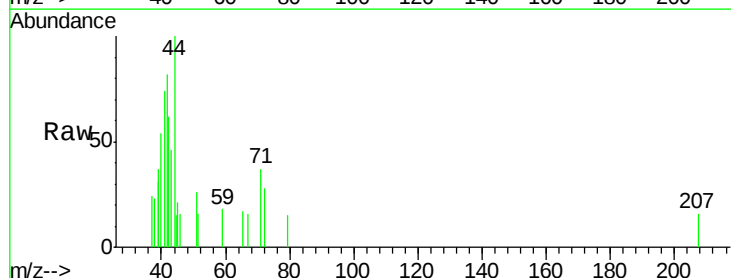
Tgt Ion: 42 Resp: 1274

Ion Ratio Lower Upper

42 100

72 30.1 32.0 48.0#

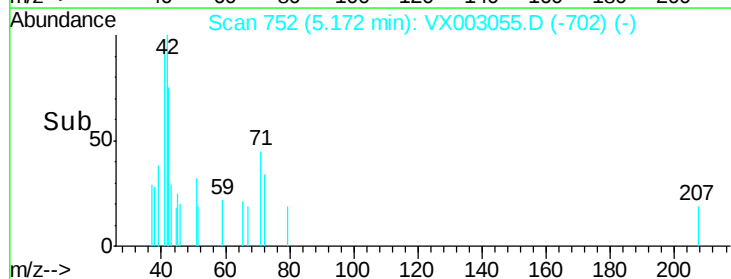
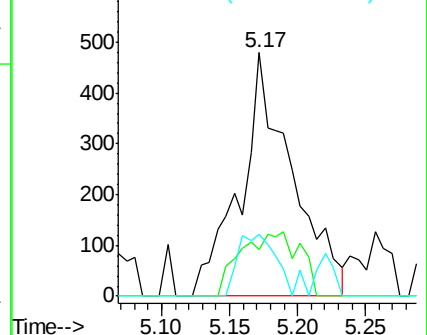
71 18.5 30.1 45.1#

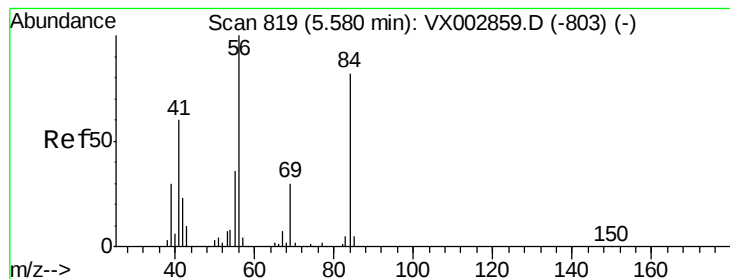


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.11 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :

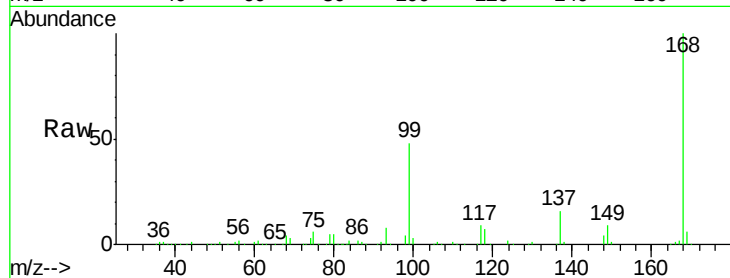
Tot Ion: 56 Resp: 5144

Ion Ratio Lower Upper

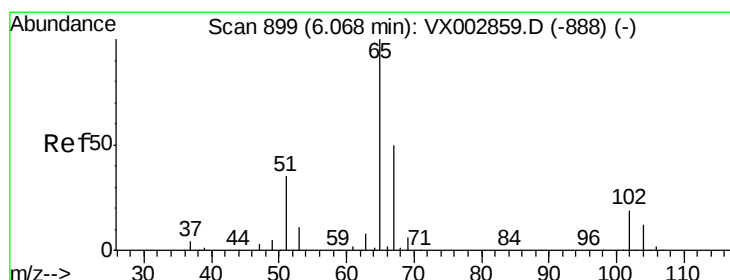
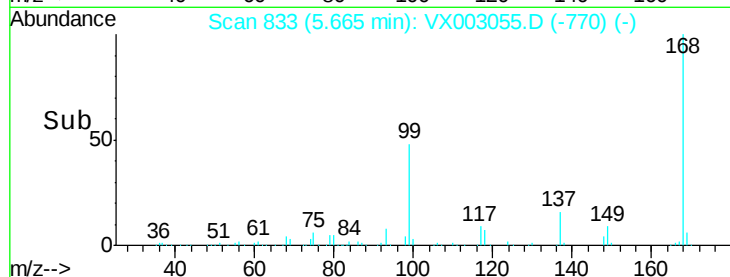
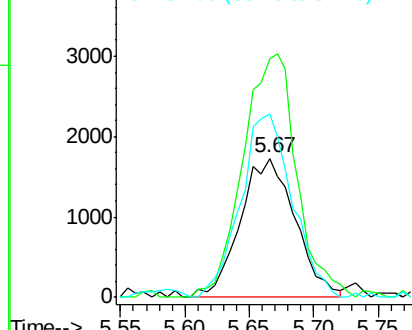
56 100

69 171.3 23.7 35.5#

84 132.2 64.1 96.1#



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: 47.81 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003055.D

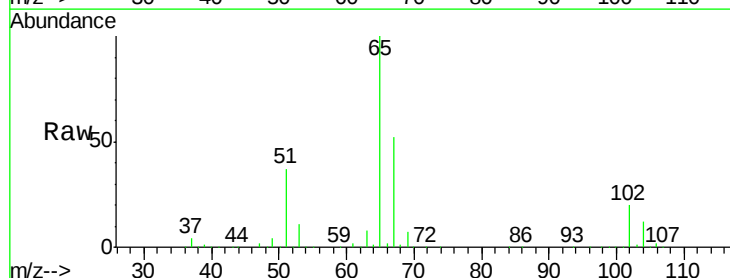
Acq: 30 Jun 2018 03:22

Tgt Ion: 65 Resp: 176518

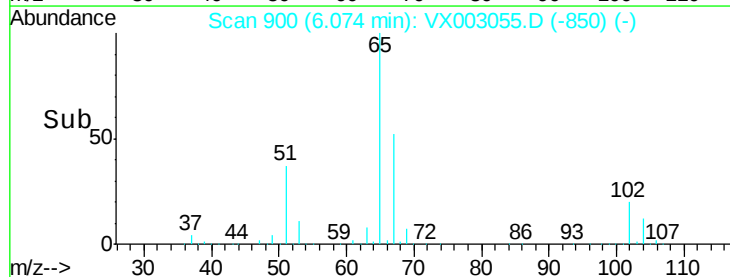
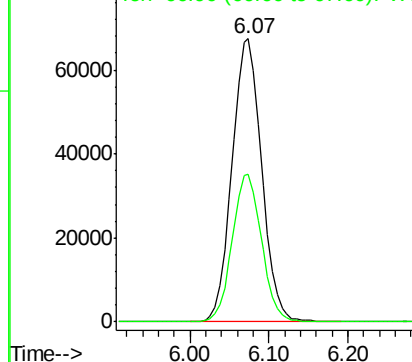
Ion Ratio Lower Upper

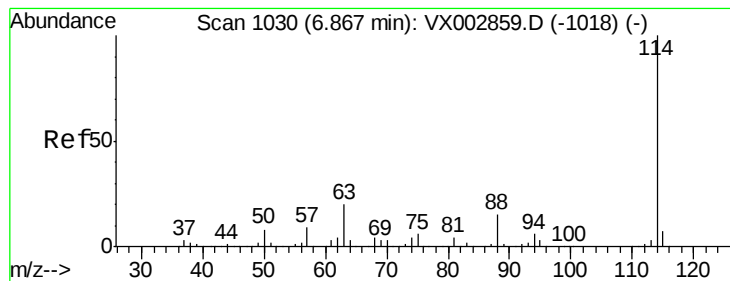
65 100

67 51.6 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: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

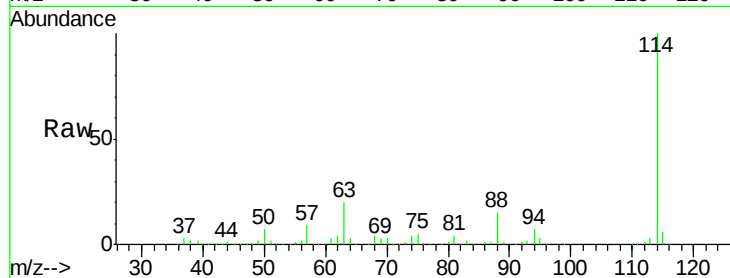
Tot Ion:114 Resp: 370316

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

88 15.0 0.0 30.0

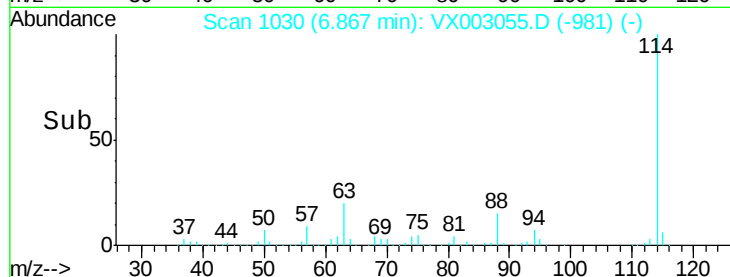


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

Time-->



6.87

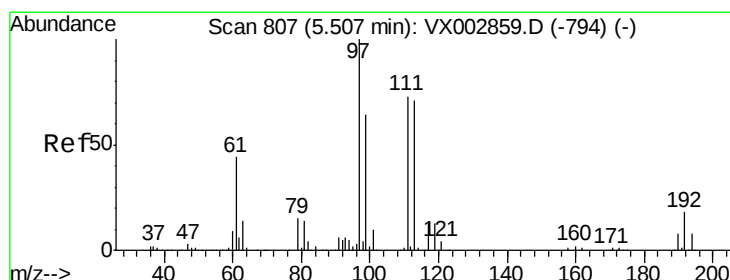
150000

100000

50000

0

6.70 6.80 6.90 7.00



#35

Dibromofluoromethane

Concen: 47.98 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

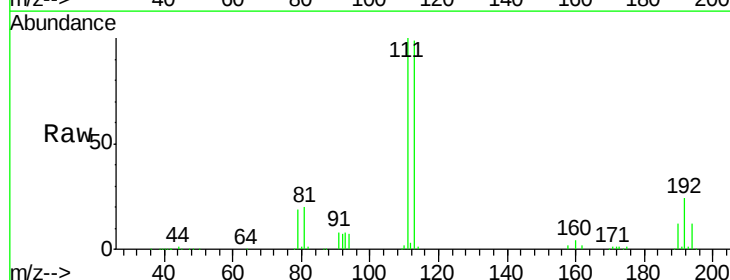
Tgt Ion:113 Resp: 140700

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 24.4 19.1 28.7

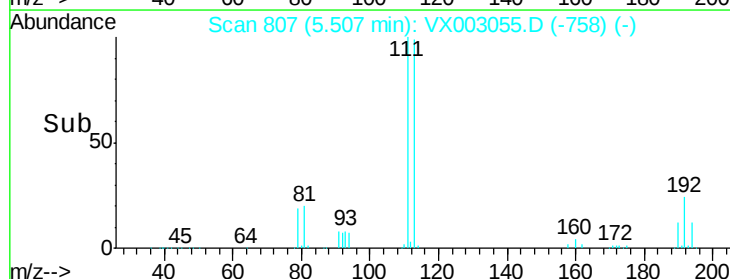


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



5.51

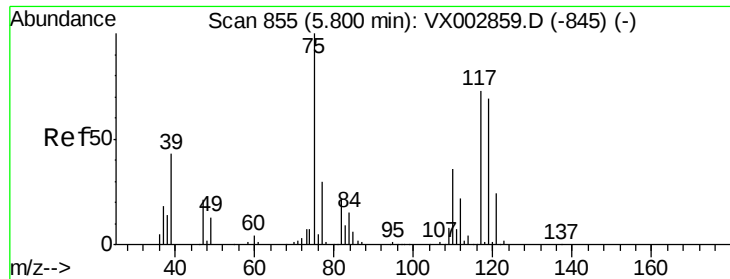
60000

40000

20000

0

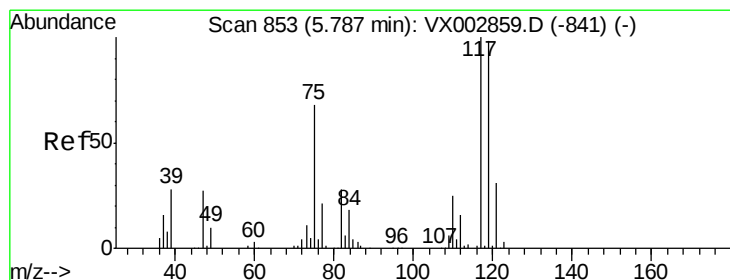
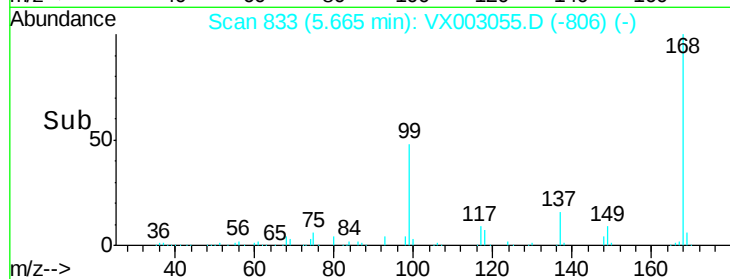
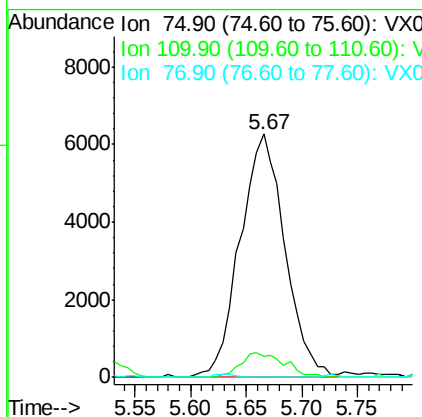
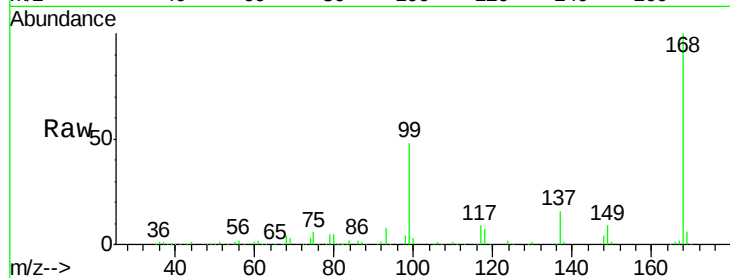
5.40 5.50 5.60



#36
 1,1-Dichloropropene
 Concen: 4.32 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003055.D
 Acq: 30 Jun 2018 03:22

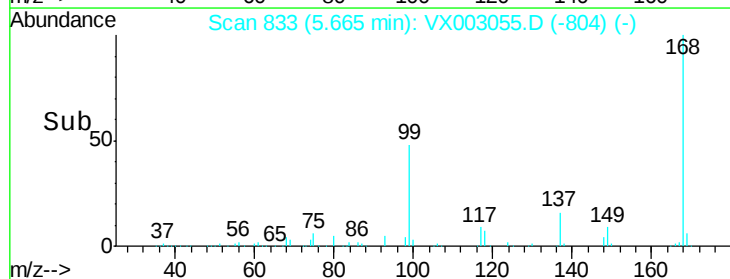
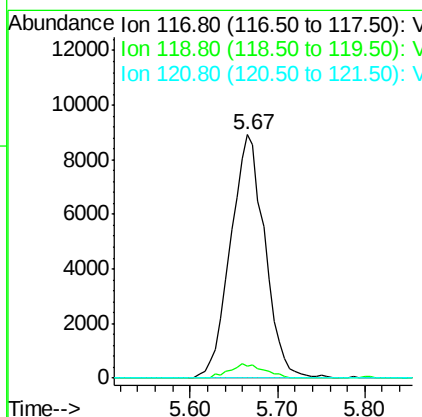
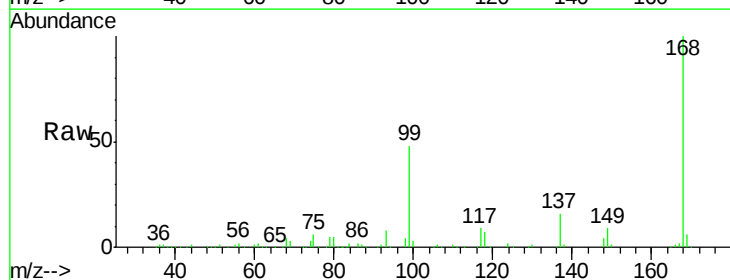
Instrument :
 MSVOA_X
 ClientSampleId :

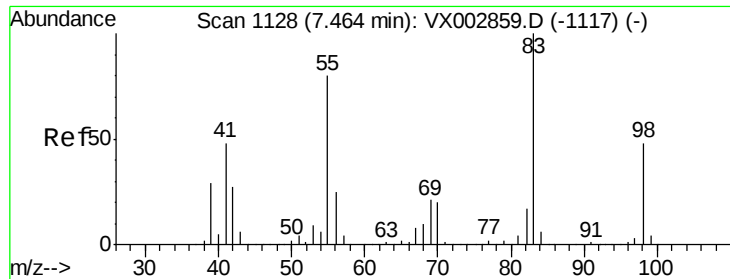
Tot Ion: 75 Resp: 17551
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.46 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003055.D
 Acq: 30 Jun 2018 03:22

Tgt Ion: 117 Resp: 24326
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.4 116.0#
 121 0.0 24.4 36.6#

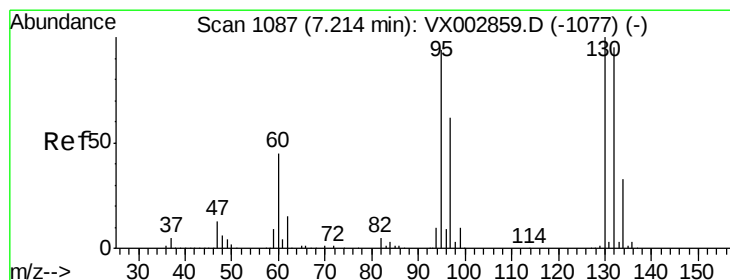
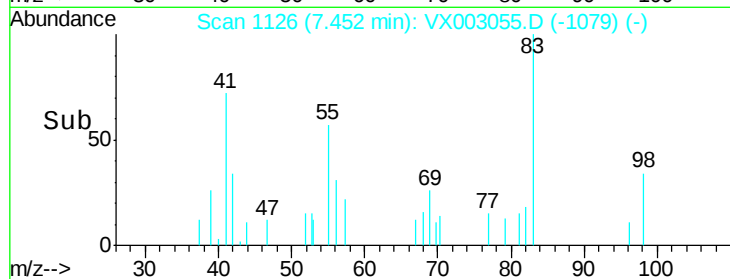
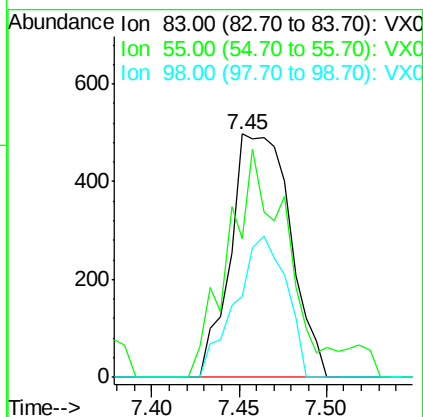
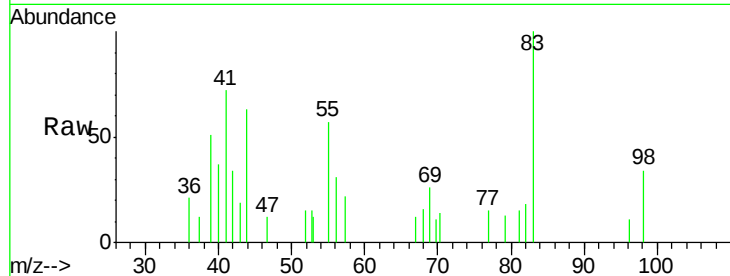




#39
Methylcyclohexane
Concen: 0.25 ug/l
RT: 7.45 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VX003055.D
Acq: 30 Jun 2018 03:22

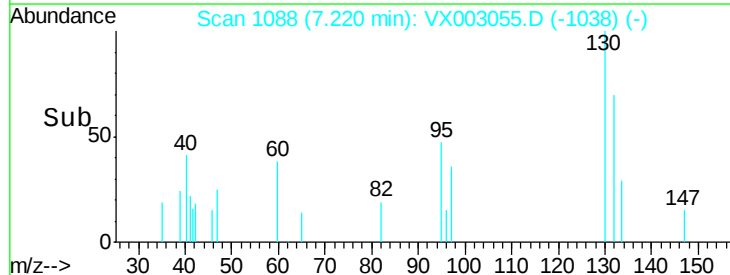
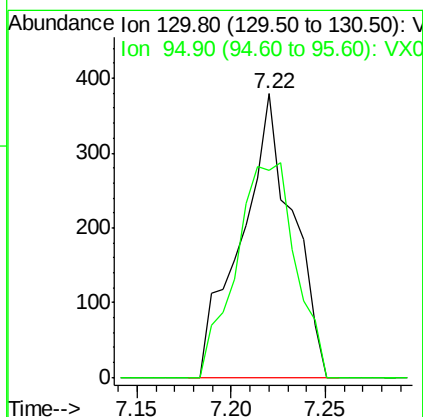
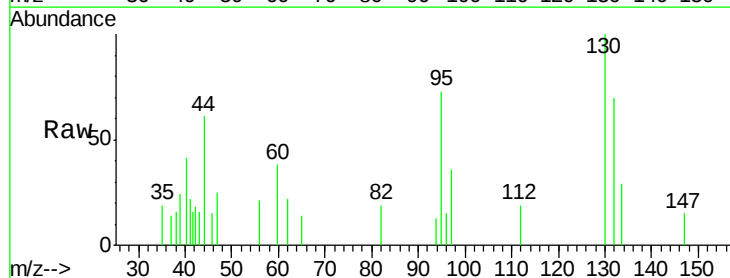
Instrument :
MSVOA_X
ClientSampled :

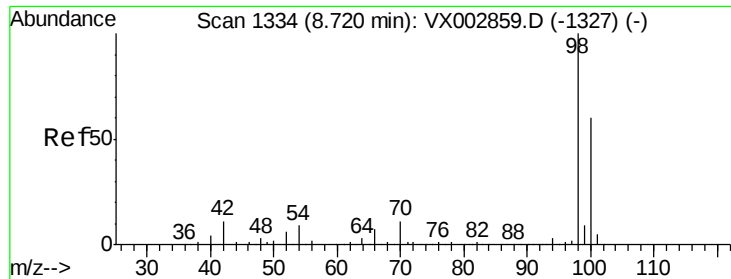
Tot Ion: 83 Resp: 1180
Ion Ratio Lower Upper
83 100
55 57.0 65.4 98.0#
98 33.5 37.4 56.0#



#44
Trichloroethene
Concen: 0.20 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX003055.D
Acq: 30 Jun 2018 03:22

Tgt Ion:130 Resp: 713
Ion Ratio Lower Upper
130 100
95 73.1 0.0 185.4

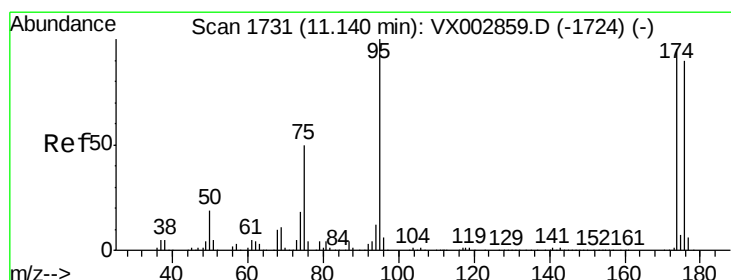
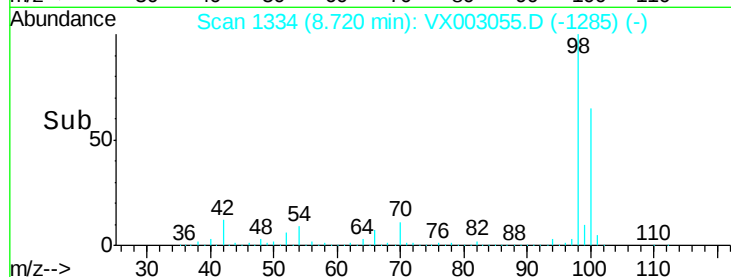
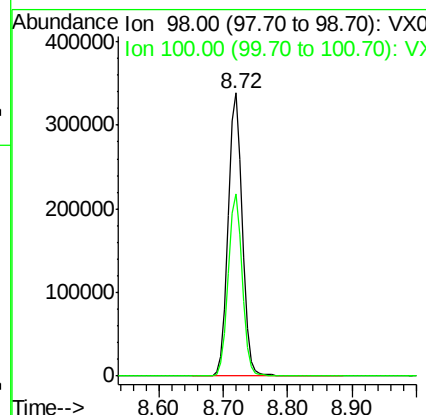
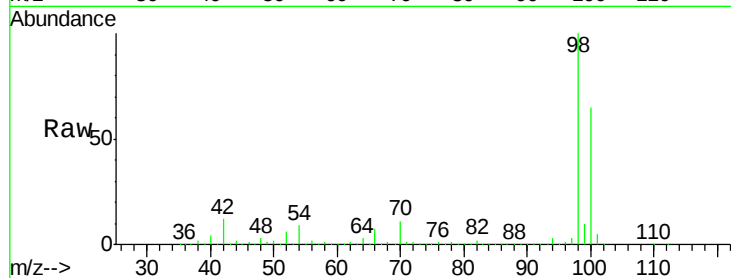




#50
Toluene-d8
Concen: 49.28 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003055.D
Acq: 30 Jun 2018 03:22

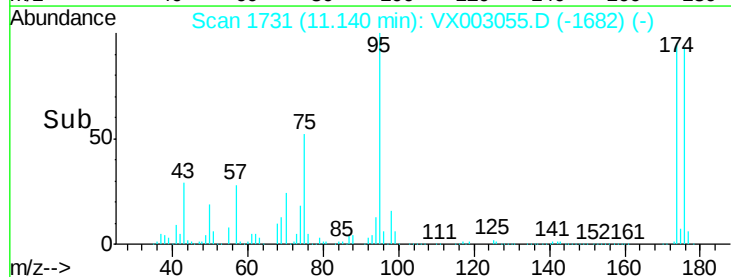
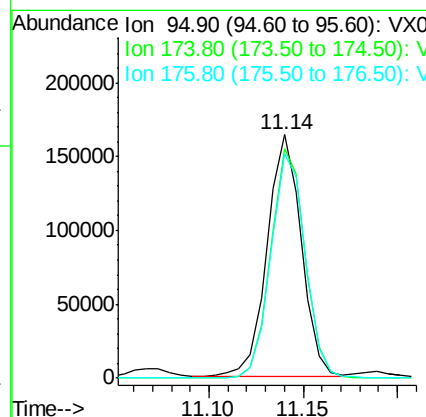
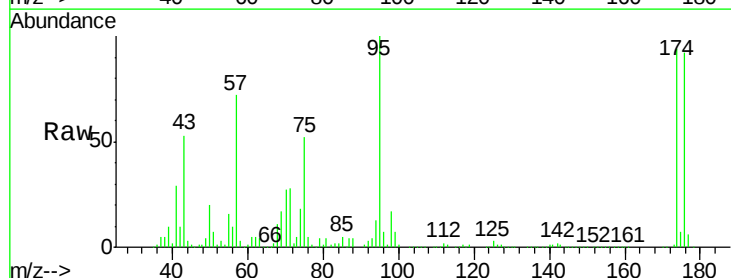
Instrument :
MSVOA_X
ClientSampleId :

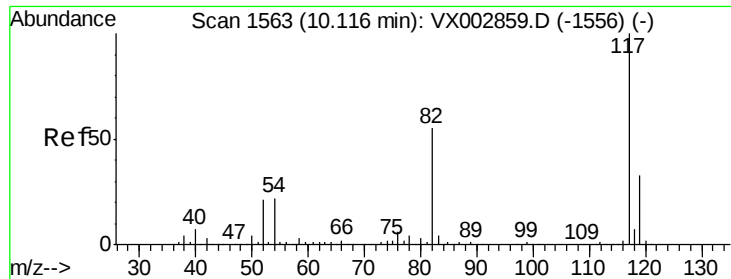
Tot Ion: 98 Resp: 527728
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 50.07 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003055.D
Acq: 30 Jun 2018 03:22

Tgt Ion: 95 Resp: 206772
Ion Ratio Lower Upper
95 100
174 94.8 0.0 187.4
176 93.2 0.0 181.0

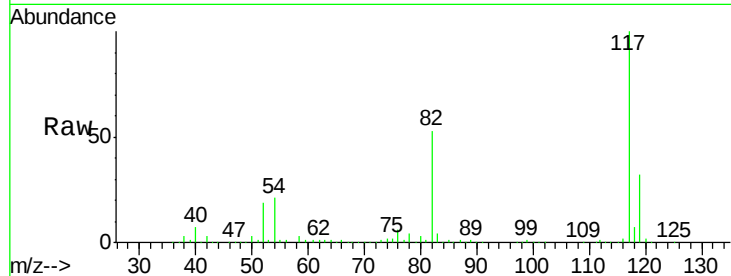




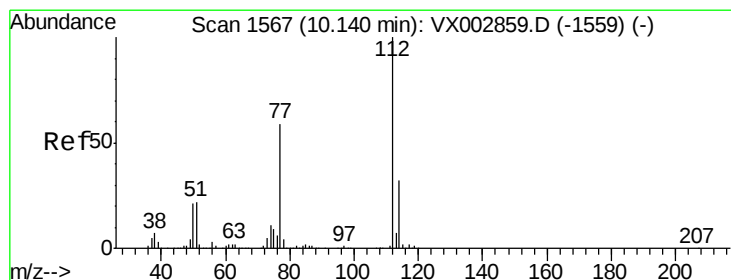
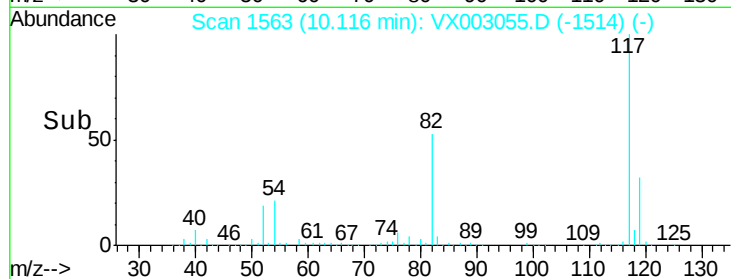
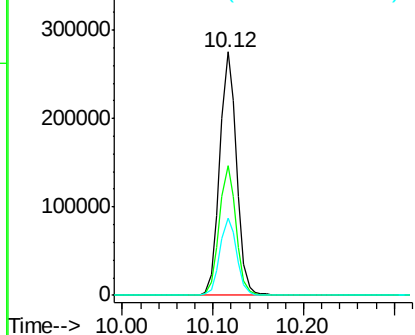
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003055.D
Acq: 30 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 358650
Ion Ratio Lower Upper
117 100
82 53.2 45.0 67.4
119 31.8 25.8 38.6

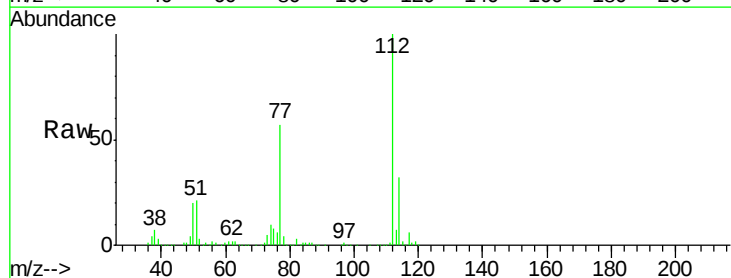


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

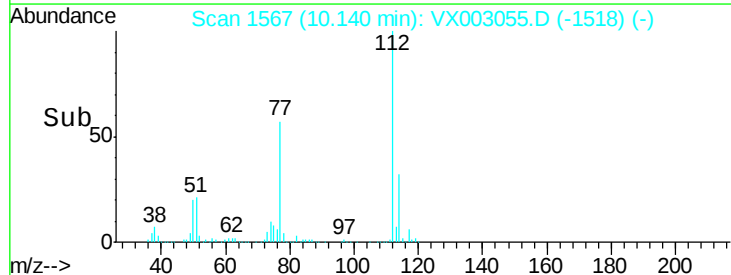
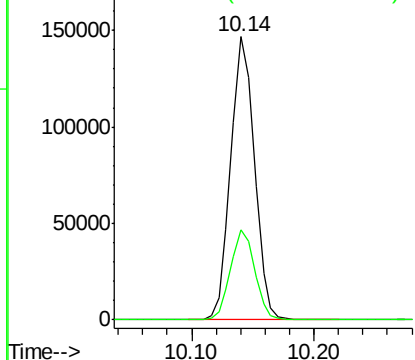


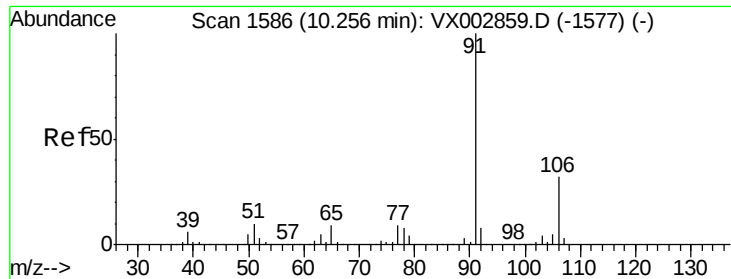
#65
Chlorobenzene
Concen: 21.71 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003055.D
Acq: 30 Jun 2018 03:22

Tgt Ion:112 Resp: 197742
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.31 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

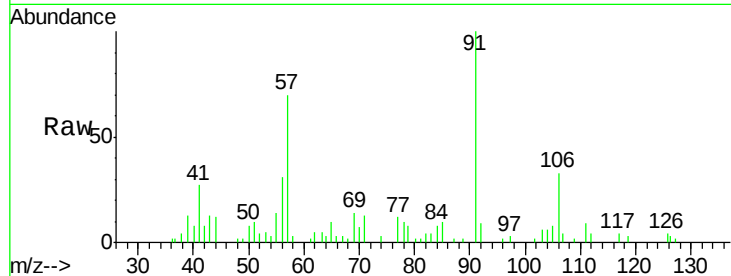
ClientSampled :

Tot Ion: 91 Resp: 4616

Ion Ratio Lower Upper

91 100

106 33.0 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1577) (-)

Ion 106.00 (105.70 to 106.70): VX002859.D (-1577) (-)

10.26

3000

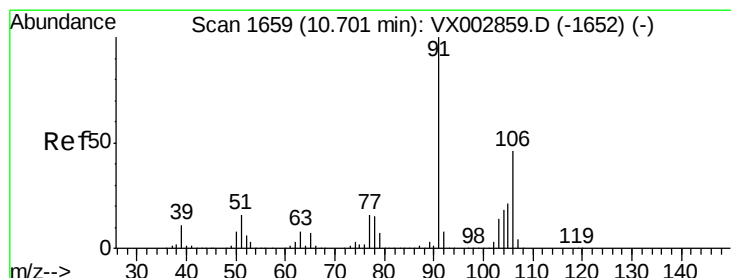
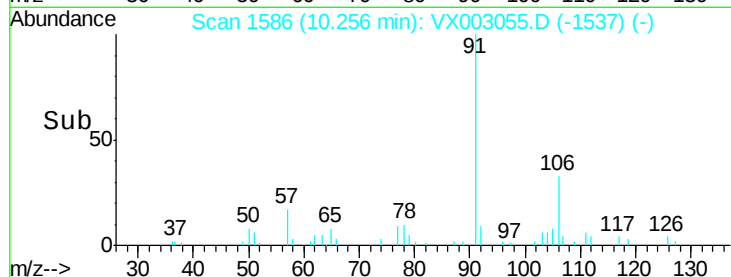
2000

1000

0

Time-->

10.20 10.25 10.30



#69

o-Xylene

Concen: 0.34 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX003055.D

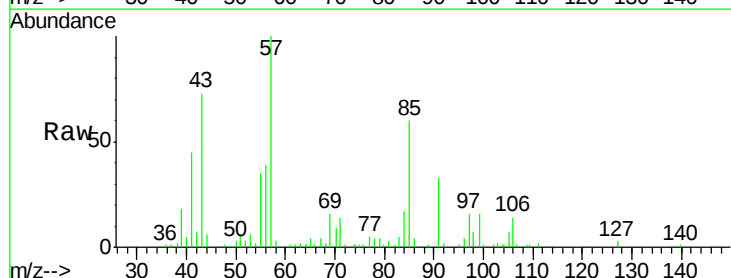
Acq: 30 Jun 2018 03:22

Tgt Ion: 106 Resp: 1901

Ion Ratio Lower Upper

106 100

91 225.6 108.2 324.6



Abundance Ion 106.00 (105.70 to 106.70): VX002859.D (-1652) (-)

Ion 91.00 (90.70 to 91.70): VX002859.D (-1652) (-)

10.70

3000

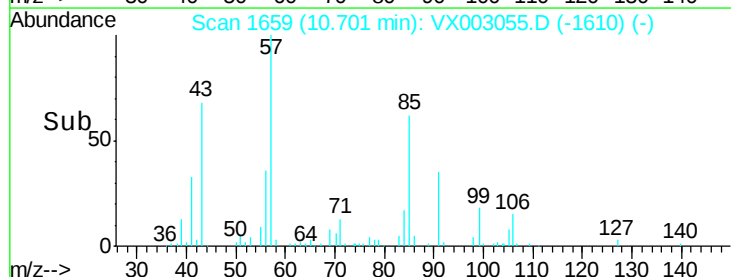
2000

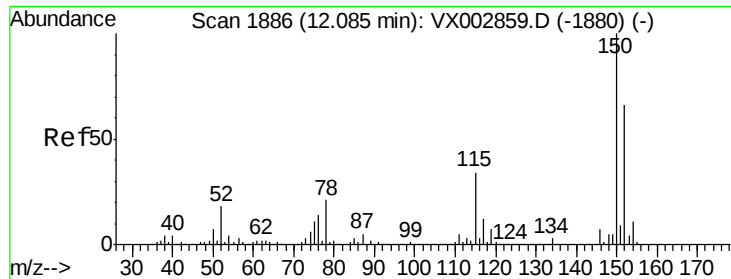
1000

0

Time-->

10.65 10.70 10.75





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

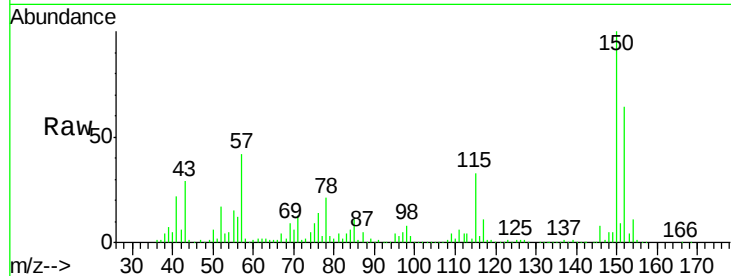
Tot Ion:152 Resp: 226210

Ion Ratio Lower Upper

152 100

115 55.7 40.1 120.2

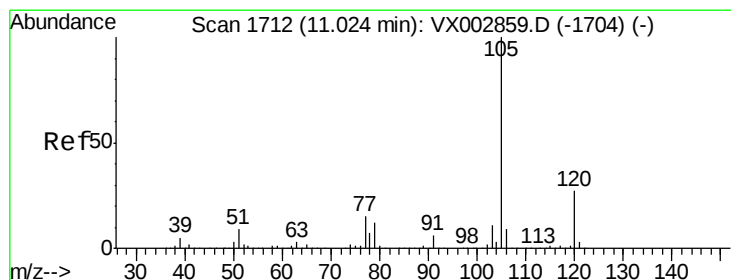
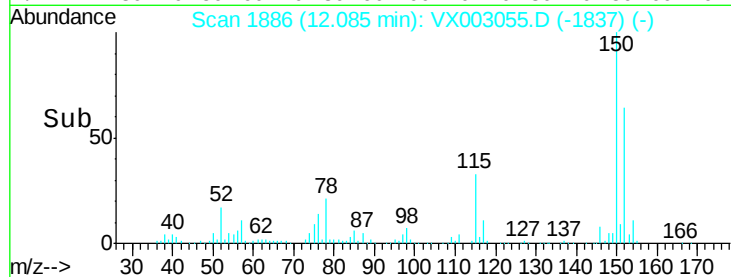
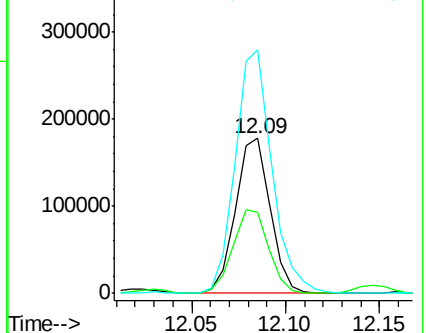
150 166.7 0.0 347.2



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



#73

Isopropylbenzene

Concen: 0.68 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003055.D

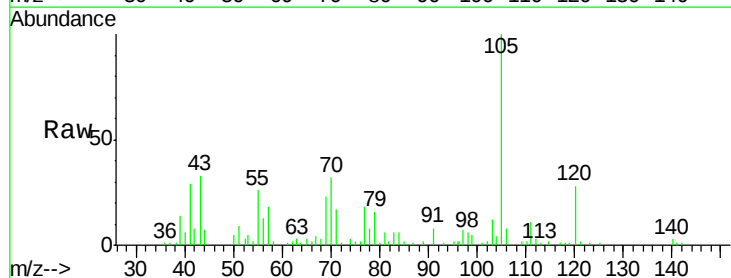
Acq: 30 Jun 2018 03:22

Tgt Ion:105 Resp: 10396

Ion Ratio Lower Upper

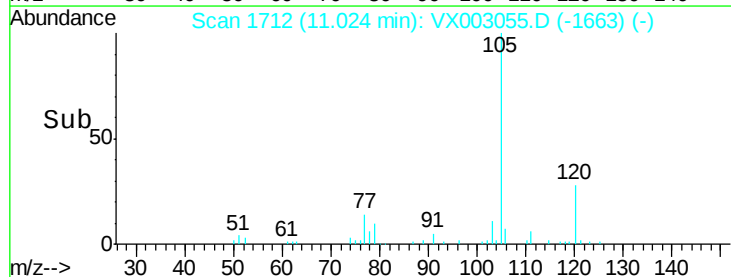
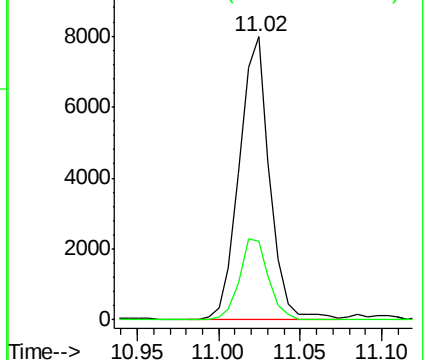
105 100

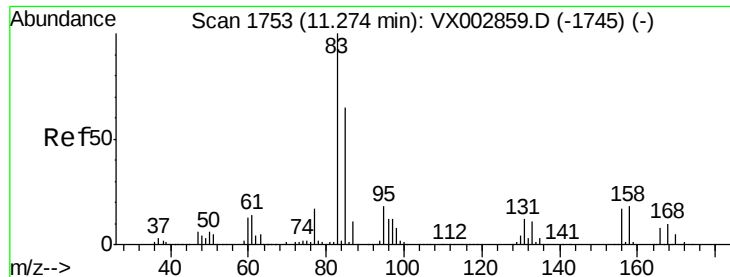
120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 3.28 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampled :

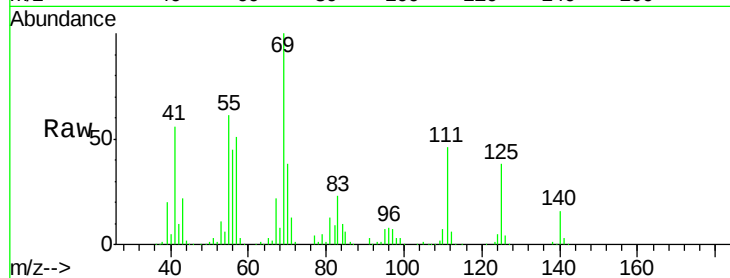
Tot Ion: 83 Resp: 15366

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

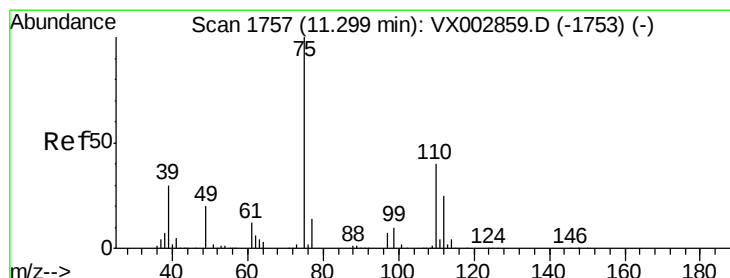
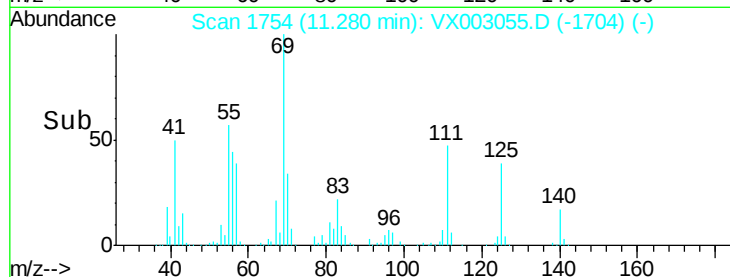
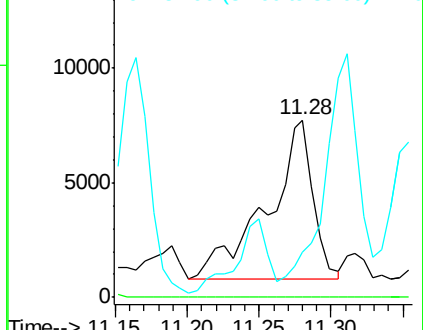
85 0.0 32.4 97.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.91 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003055.D

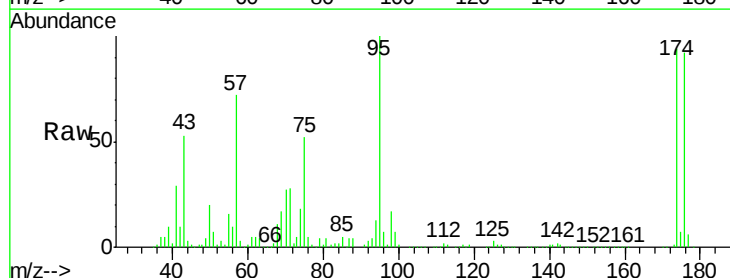
Acq: 30 Jun 2018 03:22

Tgt Ion: 75 Resp: 106172

Ion Ratio Lower Upper

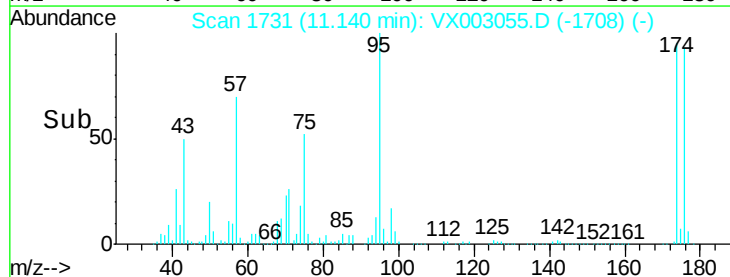
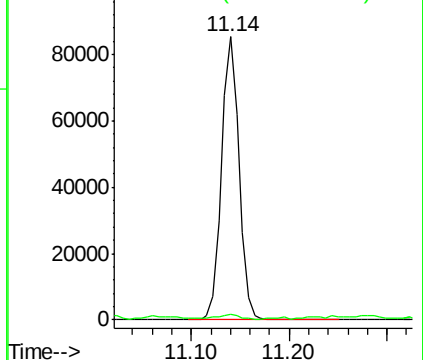
75 100

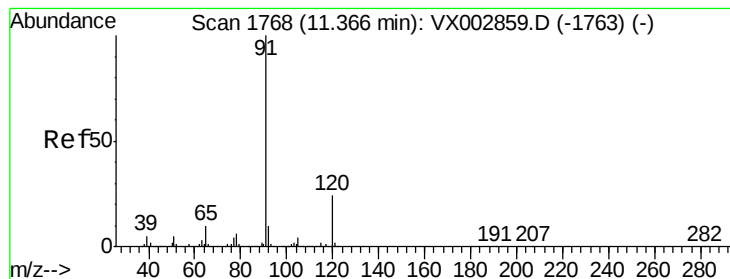
77 1.7 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 2.24 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

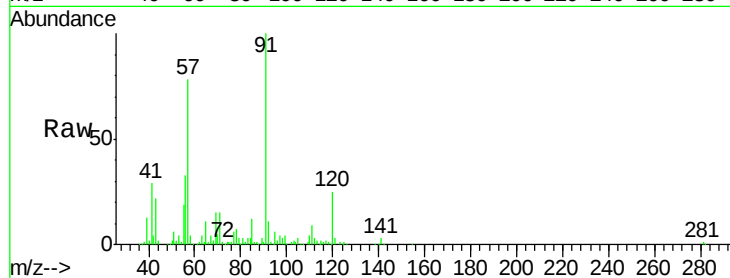
ClientSampleId :

Tot Ion: 91 Resp: 38860

Ion Ratio Lower Upper

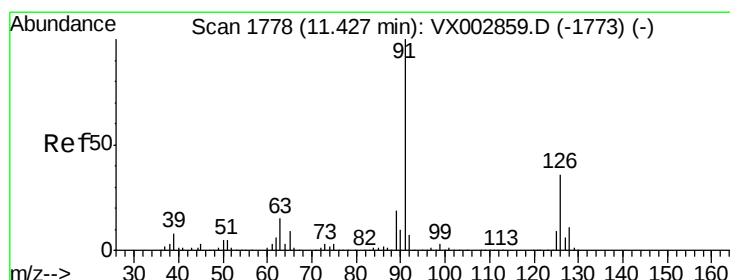
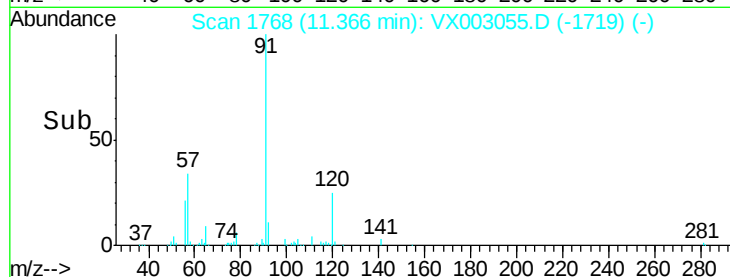
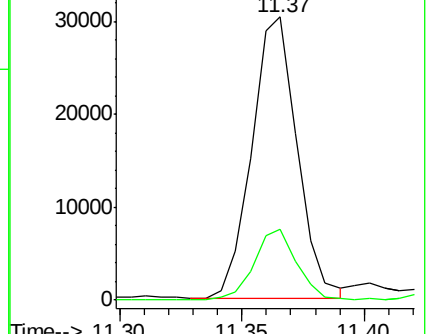
91 100

120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.60 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.09 min

Lab File: VX003055.D

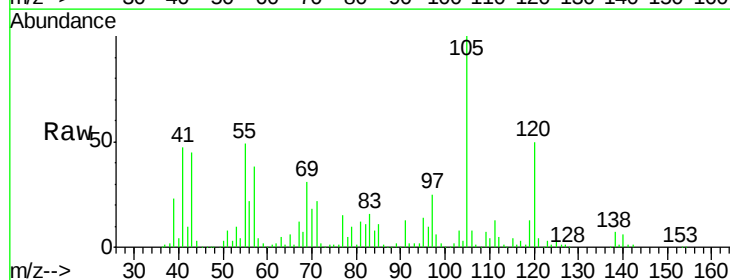
Acq: 30 Jun 2018 03:22

Tgt Ion: 91 Resp: 6284

Ion Ratio Lower Upper

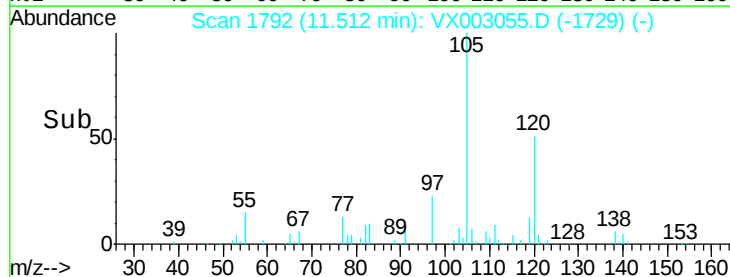
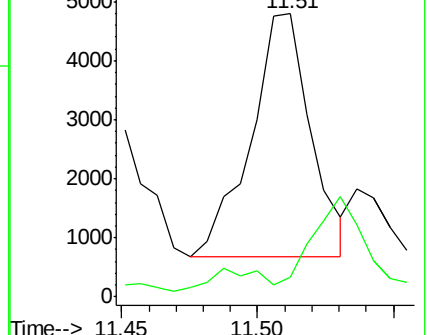
91 100

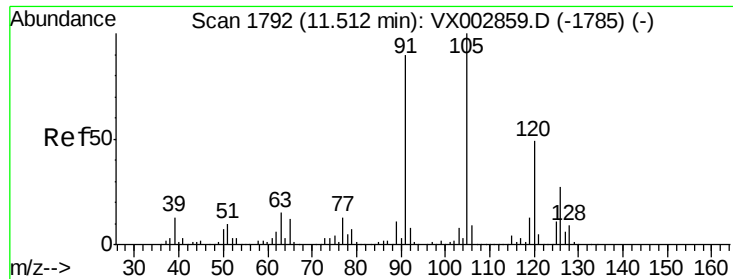
126 29.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 3.71 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

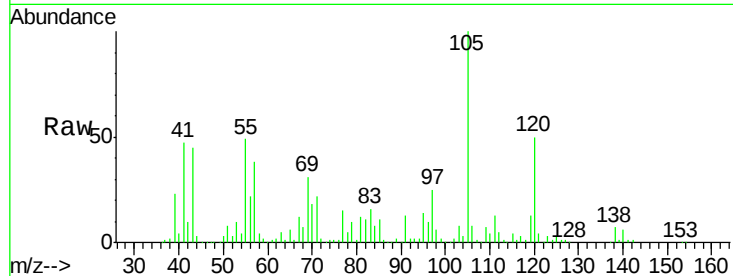
ClientSampled :

Tot Ion:105 Resp: 47558

Ion Ratio Lower Upper

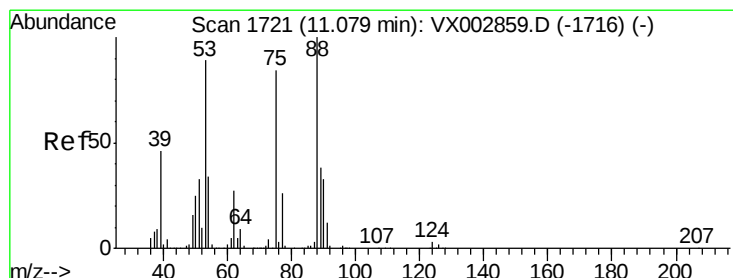
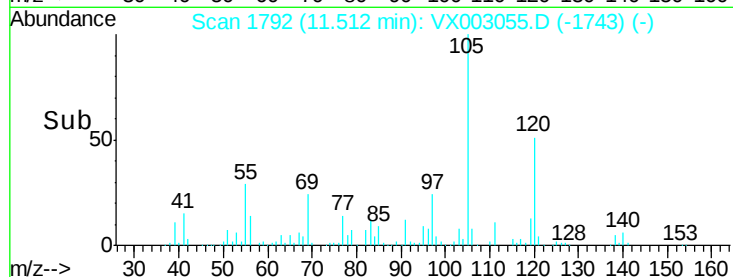
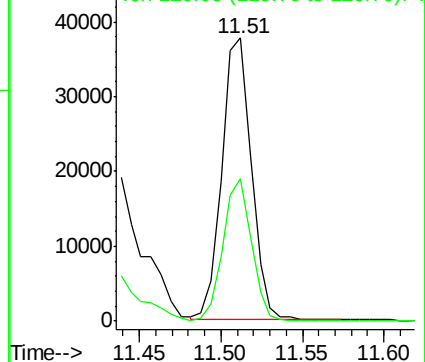
105 100

120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 73.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

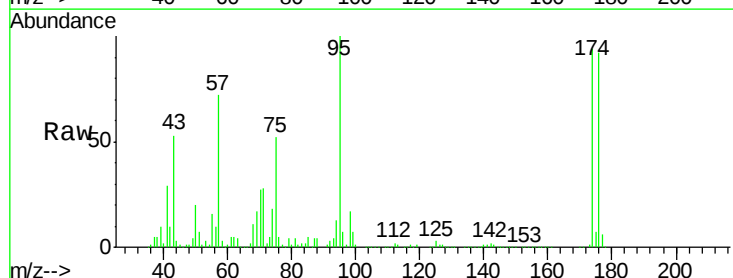
Tgt Ion: 75 Resp: 106172

Ion Ratio Lower Upper

75 100

53 6.1 86.8 130.2#

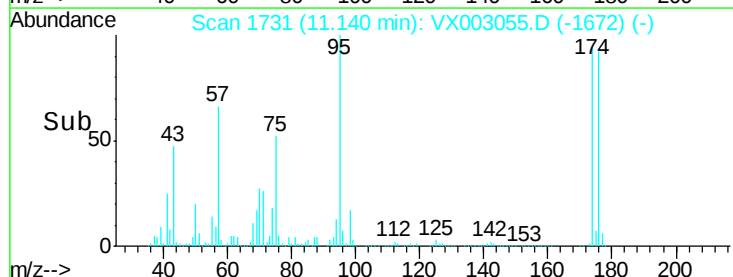
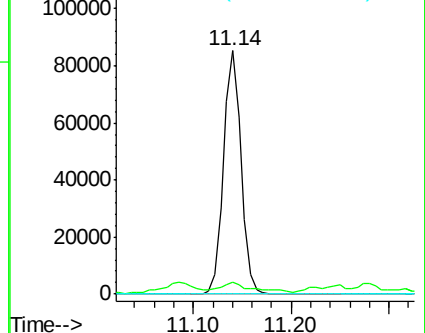
89 0.1 38.2 57.2#

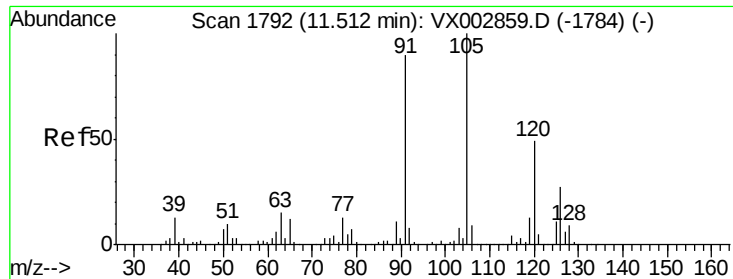


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

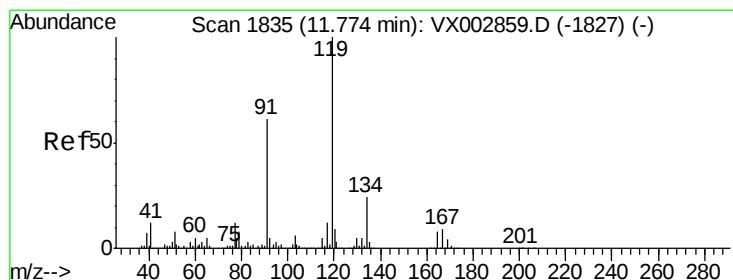
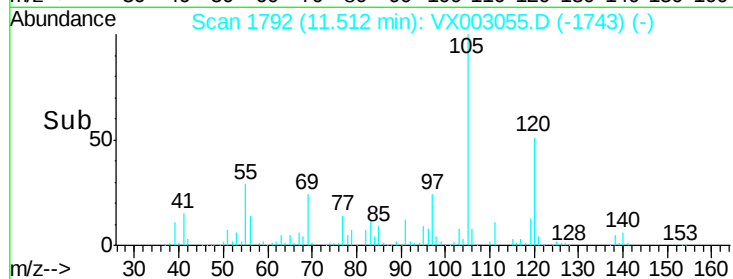
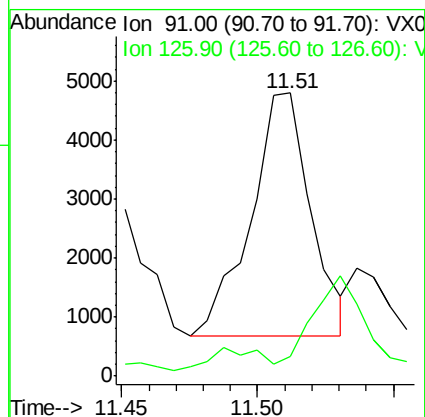
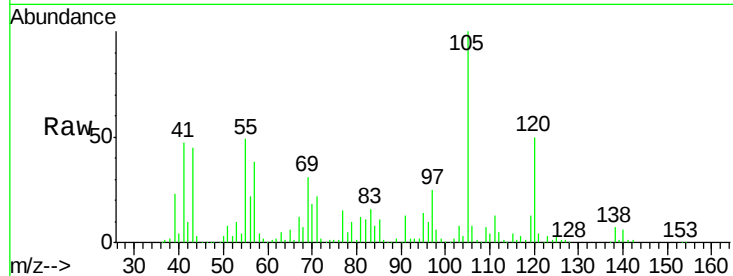




#82
4-Chlorotoluene
Concen: 0.51 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003055.D
Acq: 30 Jun 2018 03:22

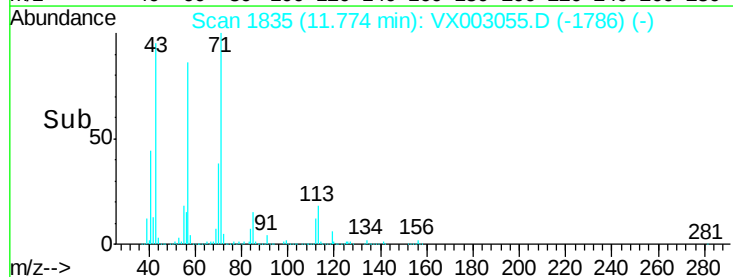
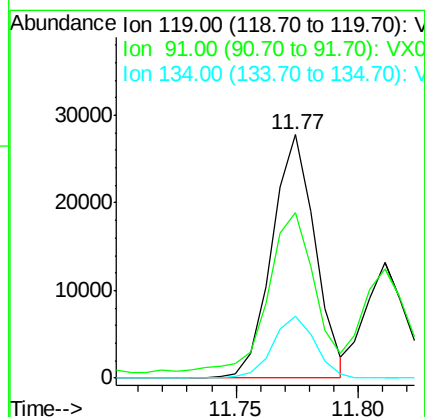
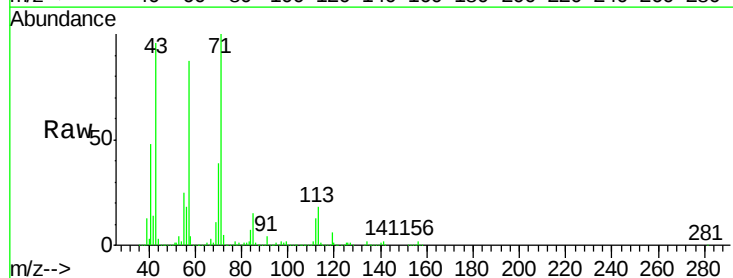
Instrument :
MSVOA_X
ClientSampled :

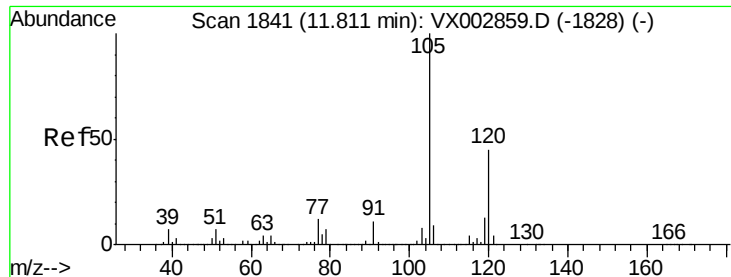
Tot Ion: 91 Resp: 6284
Ion Ratio Lower Upper
91 100
126 29.4 15.4 46.4



#83
tert-Butylbenzene
Concen: 2.68 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003055.D
Acq: 30 Jun 2018 03:22

Tgt Ion: 119 Resp: 33902
Ion Ratio Lower Upper
119 100
91 72.2 30.3 90.9
134 25.3 11.7 35.1

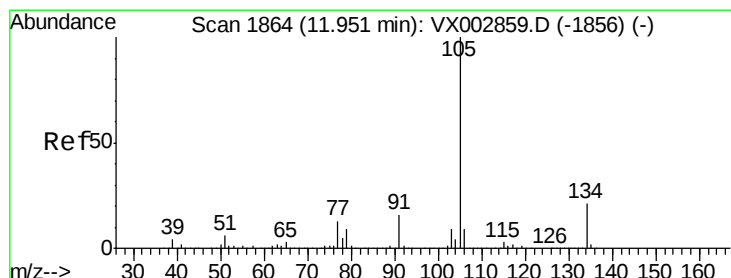
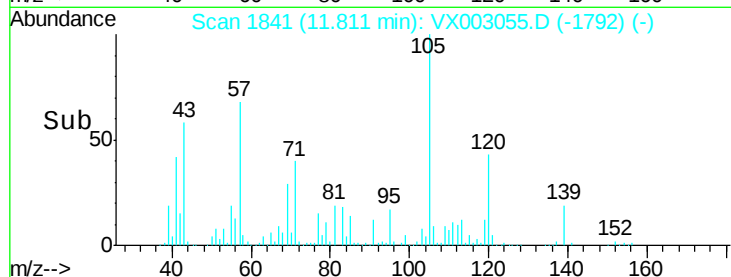
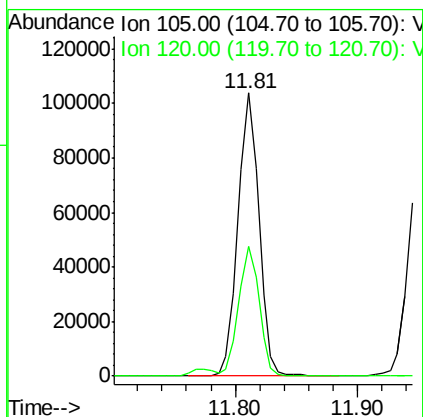
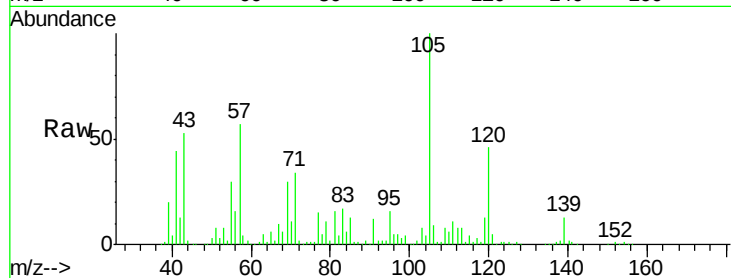




#84
 1,2,4-Trimethylbenzene
 Concen: 9.19 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003055.D
 Acq: 30 Jun 2018 03:22

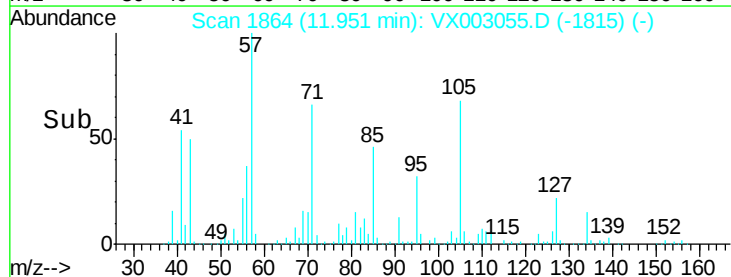
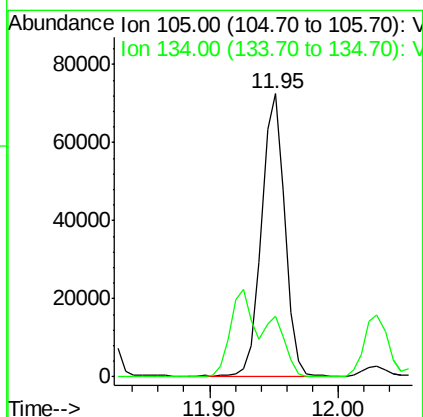
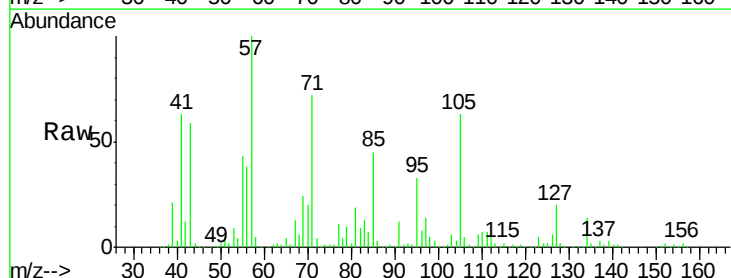
Instrument :
 MSVOA_X
 ClientSampled :

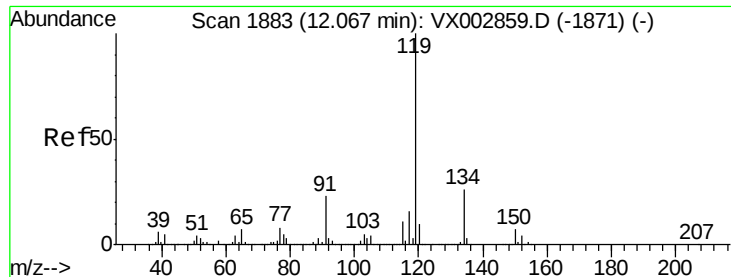
Tot Ion:105 Resp: 122066
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 5.86 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003055.D
 Acq: 30 Jun 2018 03:22

Tgt Ion:105 Resp: 89797
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#





#86

p-Isopropyltoluene

Concen: 2.89 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

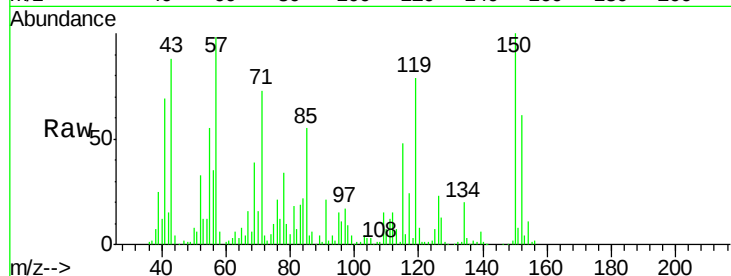
Tot Ion:119 Resp: 39884

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

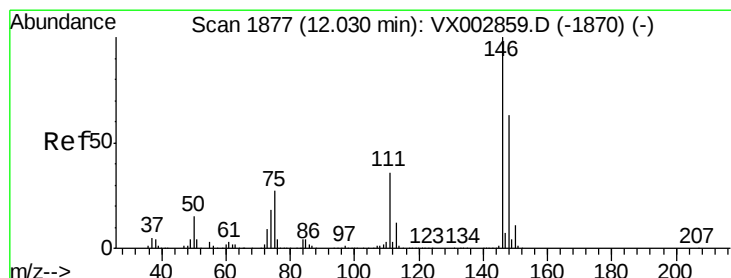
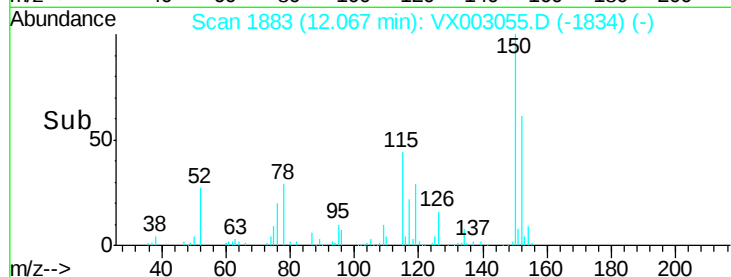
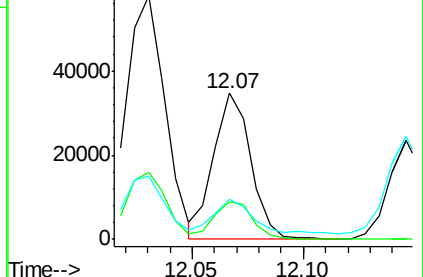
91 26.2 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 29.50 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

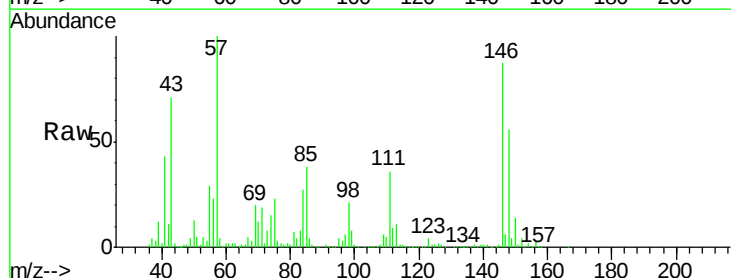
Tgt Ion:146 Resp: 233482

Ion Ratio Lower Upper

146 100

111 41.1 18.9 56.7

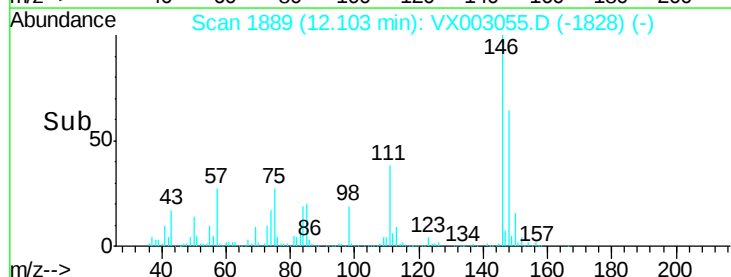
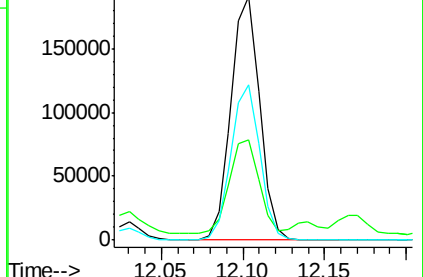
148 64.2 32.1 96.3

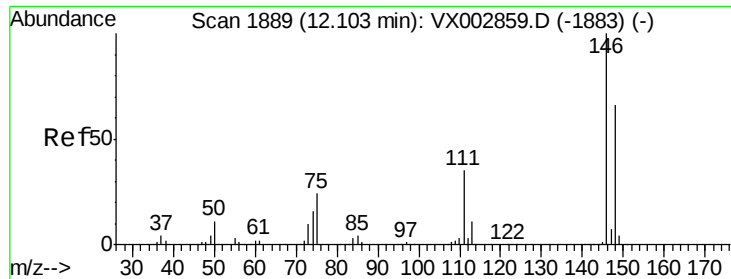


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 28.66 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampled :

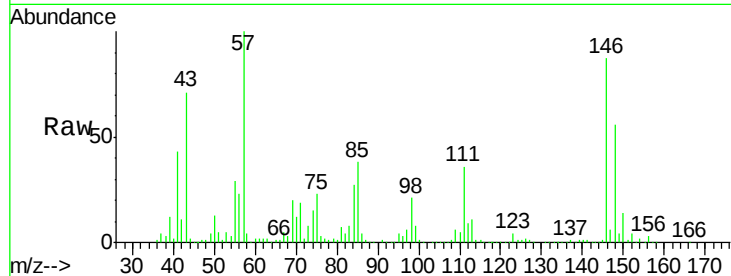
Tot Ion:146 Resp: 233482

Ion Ratio Lower Upper

146 100

111 41.1 18.7 56.1

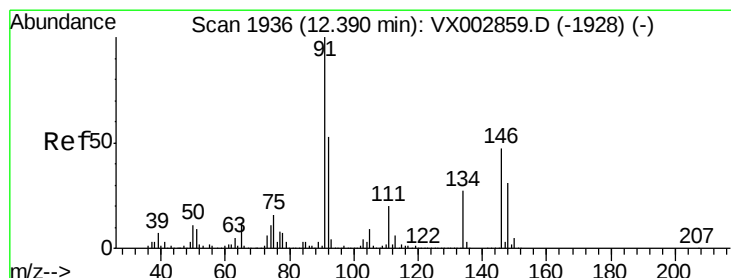
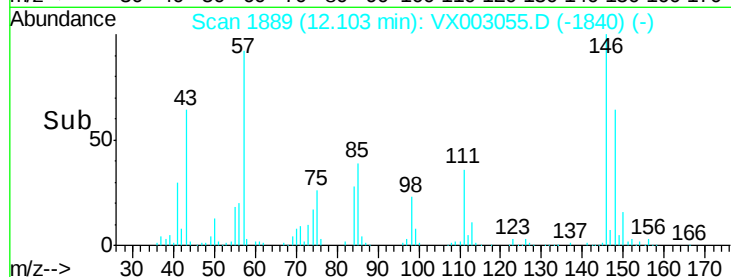
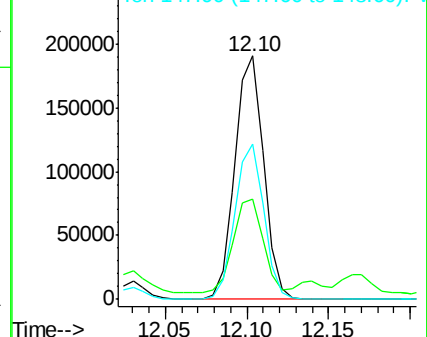
148 64.2 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 13.97 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

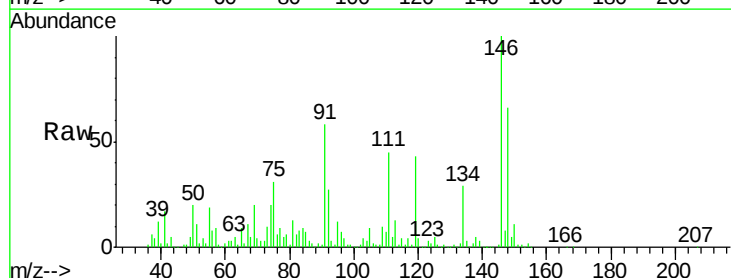
Tgt Ion: 91 Resp: 167495

Ion Ratio Lower Upper

91 100

92 36.7 26.0 78.0

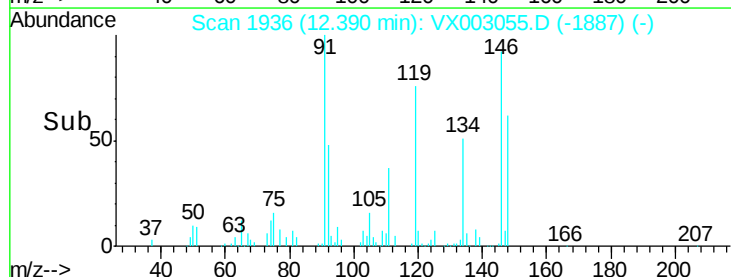
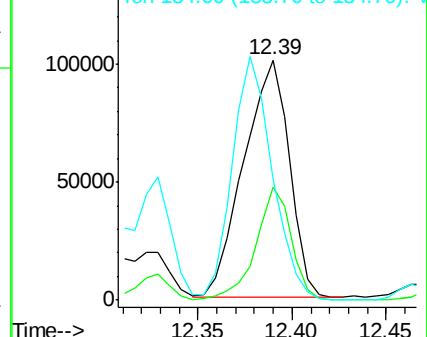
134 90.4 13.5 40.5#

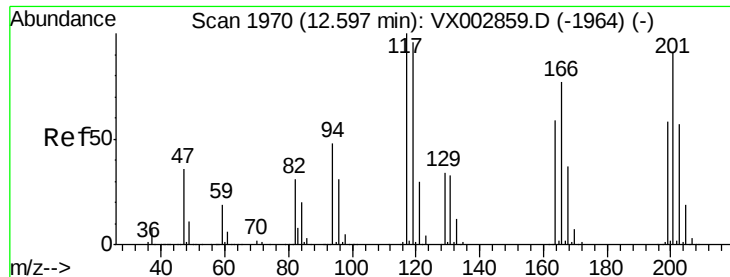


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 5.84 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

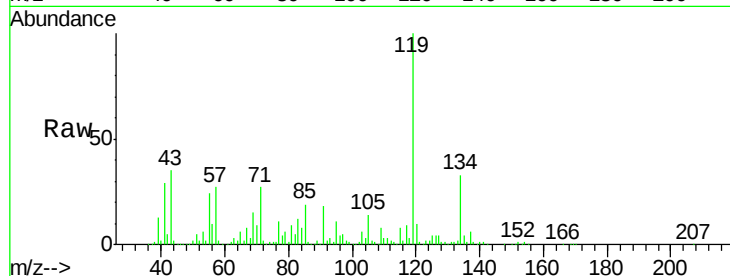
ClientSampled :

Tot Ion:117 Resp: 11965

Ion Ratio Lower Upper

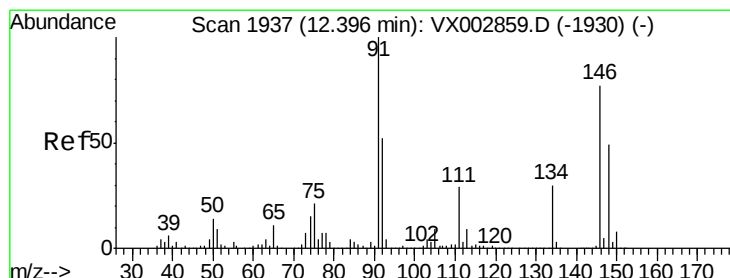
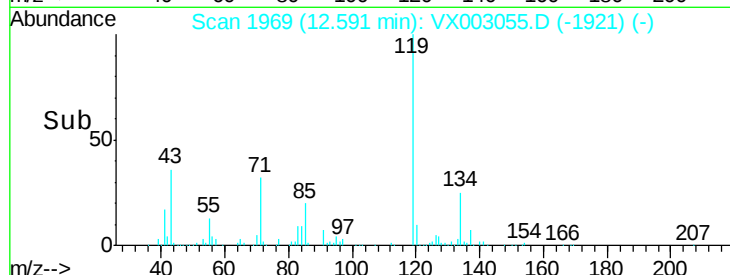
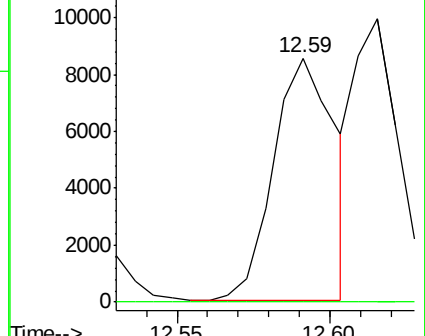
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 33.62 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

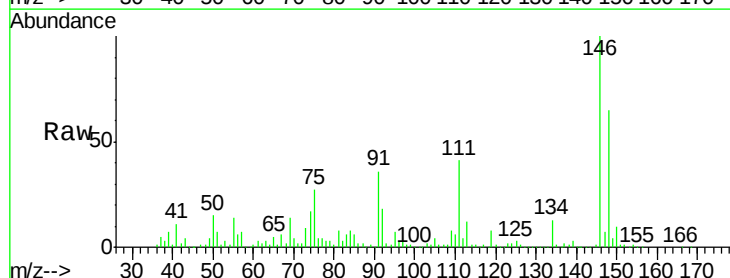
Tgt Ion:146 Resp: 268580

Ion Ratio Lower Upper

146 100

111 44.2 19.4 58.1

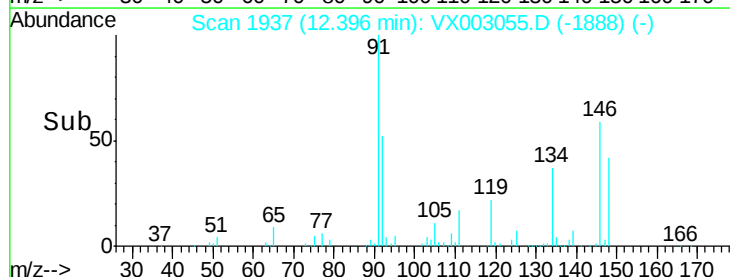
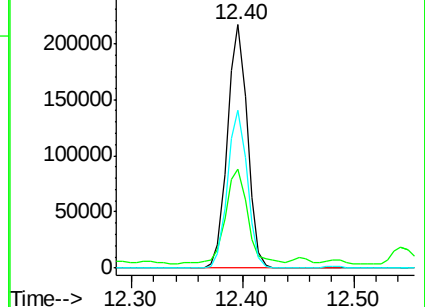
148 64.7 31.7 95.1

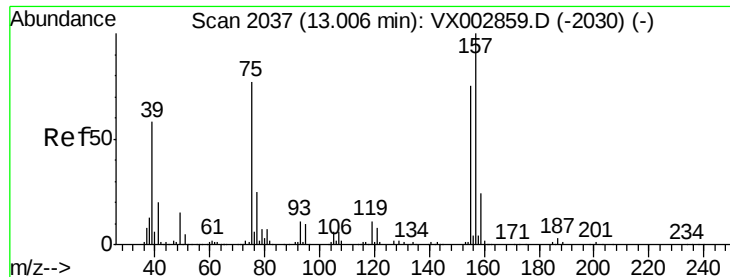


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.32 ug/l

RT: 13.02 min Scan# 2040

Delta R.T. 0.02 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

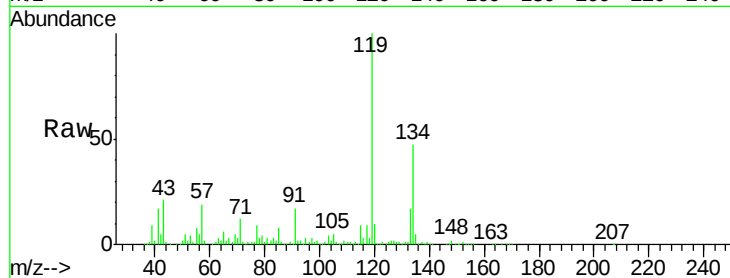
Tot Ion: 75 Resp: 1392

Ion Ratio Lower Upper

75 100

155 98.6 45.8 137.4

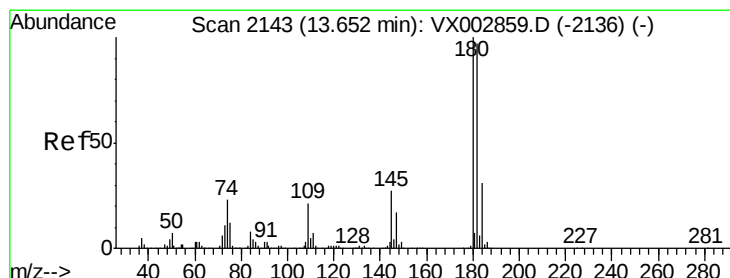
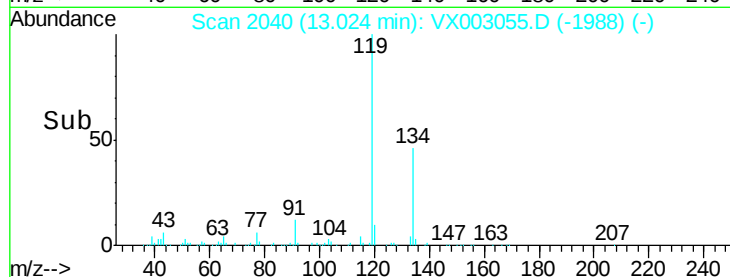
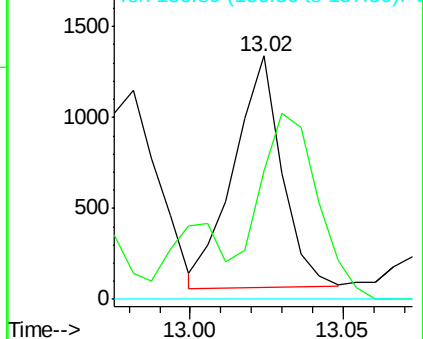
157 0.0 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 2.09 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

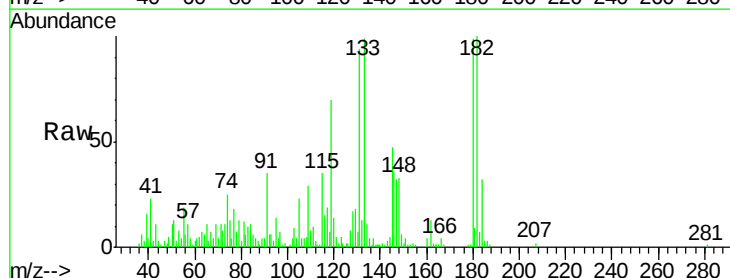
Tgt Ion:180 Resp: 12155

Ion Ratio Lower Upper

180 100

182 94.9 47.7 143.1

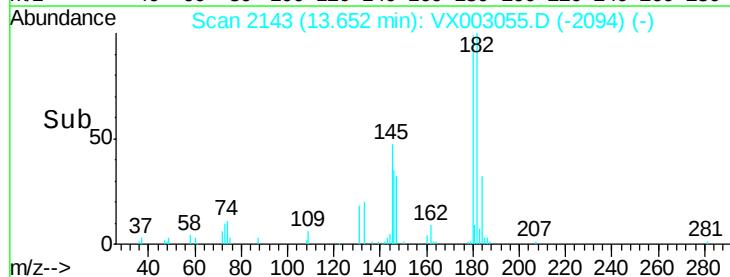
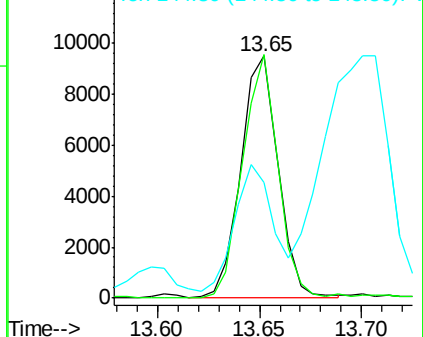
145 57.7 14.1 42.4#

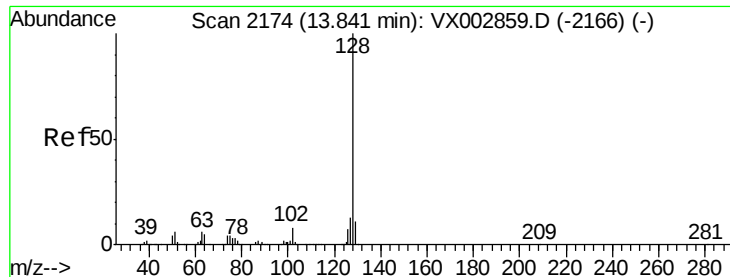


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 27.33 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

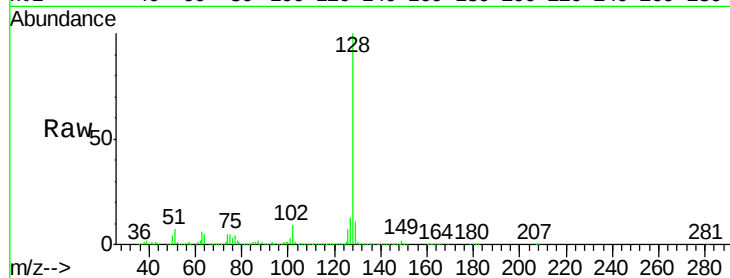
Tot Ion:128 Resp: 423222

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

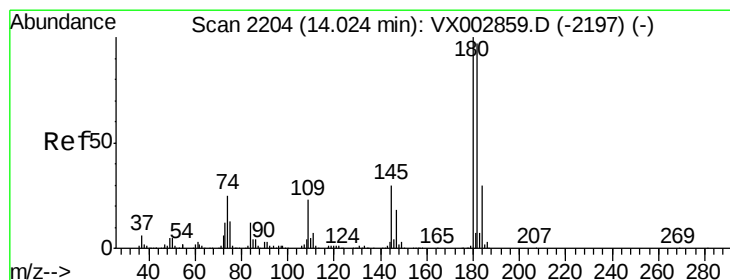
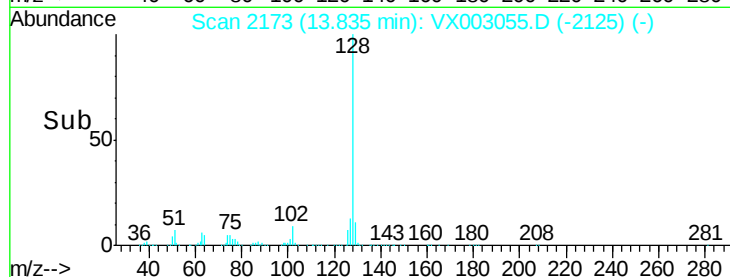
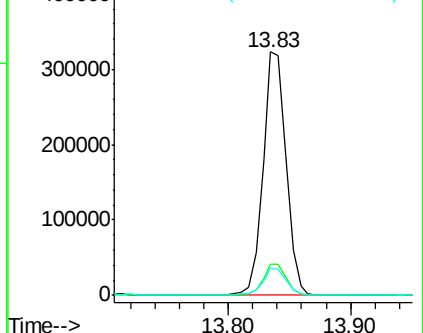
129 11.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.53 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003055.D

Acq: 30 Jun 2018 03:22

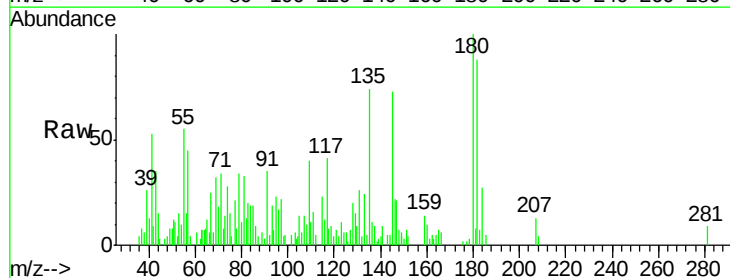
Tgt Ion:180 Resp: 3066

Ion Ratio Lower Upper

180 100

182 83.3 48.0 144.0

145 121.2 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

