

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003086.D
 Acq On : 30 Jun 2018 18:29
 Operator : JC/MD
 Sample : J3738-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0044

Quant Time: Jul 02 02:44:33 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	283536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	395195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	182626	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	5.51	113	150035	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	8.72	98	550238	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.14	95	194267	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	

Target Compounds

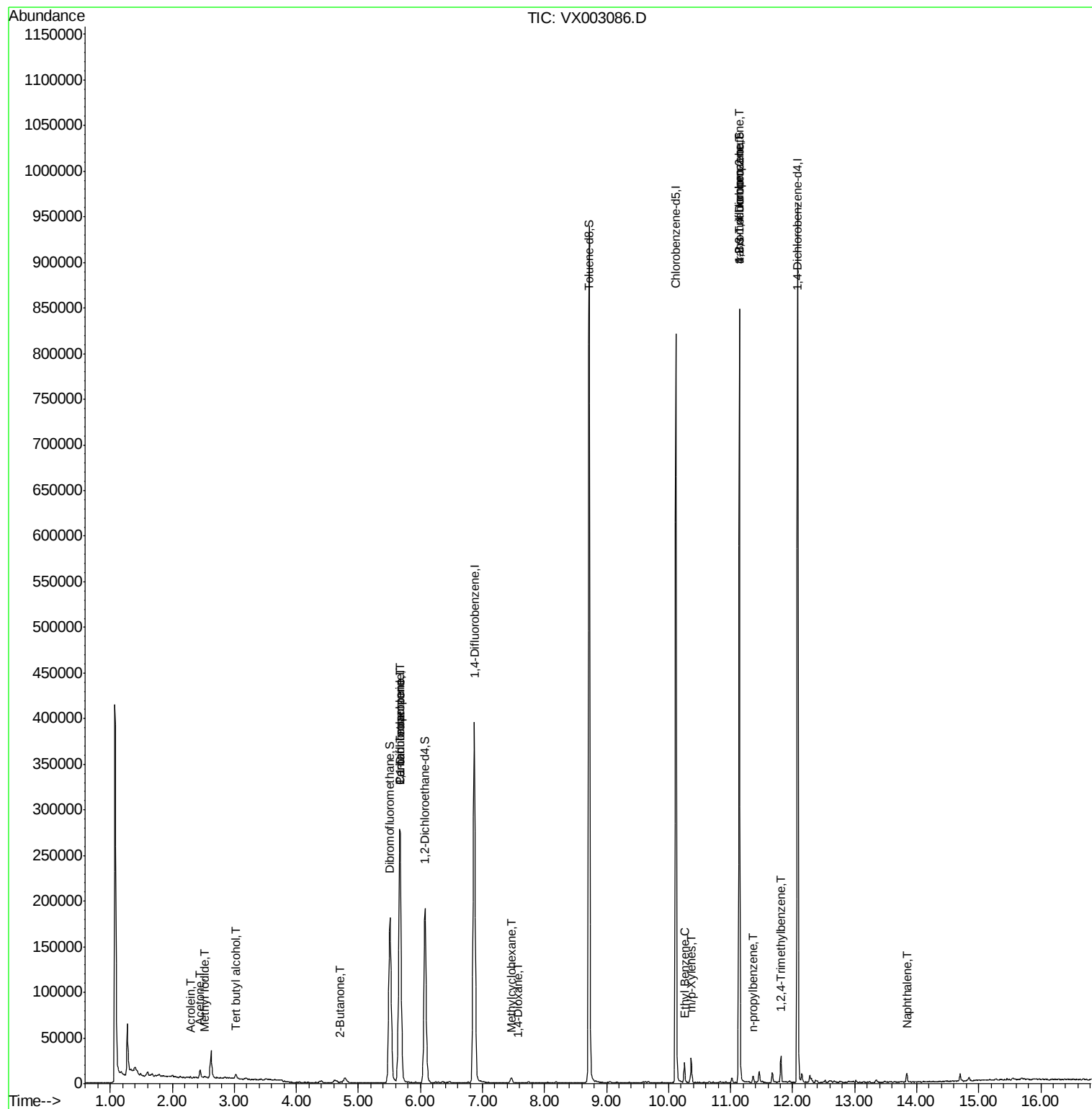
						Qvalue
3) Chloromethane	1.32	50	780	Below Cal		90
5) Bromomethane	1.67	94	1728	Below Cal	#	64
6) Chloroethane	1.71	64	335	Below Cal		89
10) Methyl Iodide	2.52	142	1495	6.64	ug/l #	94
11) Tert butyl alcohol	3.02	59	2830	3.62	ug/l #	78
13) Acrolein	2.30	56	117	4.49	ug/l #	14
16) Acetone	2.45	43	9318	5.74	ug/l	91
25) 2-Butanone	4.71	43	558	0.23	ug/l	96
36) 1,1-Dichloropropene	5.67	75	18599	4.29	ug/l #	51
38) Carbon Tetrachloride	5.67	117	25262	5.31	ug/l #	16
39) Methylcyclohexane	7.46	83	2159	0.43	ug/l	93
49) 1,4-Dioxane	7.56	88	19	0.24	ug/l #	1
67) Ethyl Benzene	10.26	91	11397	0.74	ug/l	96
68) m/p-Xylenes	10.37	106	6045	1.02	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	99772	26.42	ug/l #	33
78) n-propylbenzene	11.37	91	3972	0.25	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	99772	74.87	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	11752	0.96	ug/l	99
95) Naphthalene	13.84	128	6479	0.45	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX063018\
Data File : VX003086.D
Acq On : 30 Jun 2018 18:29
Operator : JC/MD
Sample : J3738-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S22-0044

Quant Time: Jul 02 02:44:33 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# 834

Delta R.T. 0.01 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

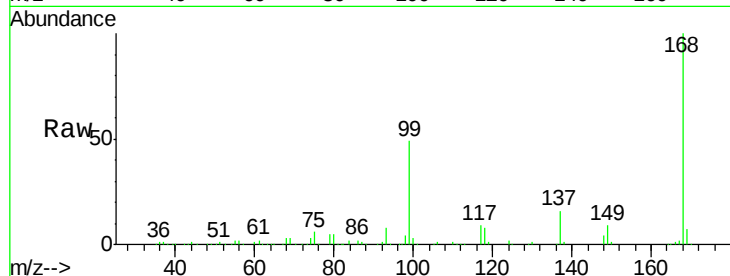
S22-0044

Tot Ion:168 Resp: 283536

Ion Ratio Lower Upper

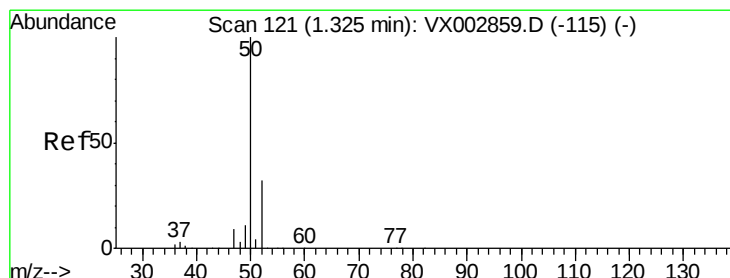
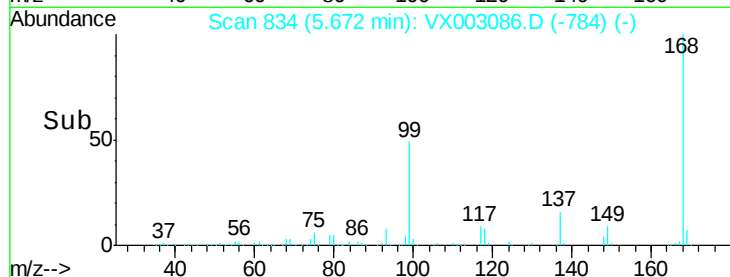
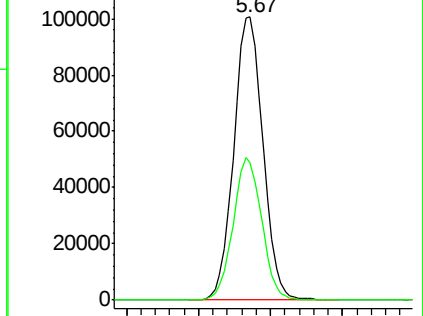
168 100

99 48.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003086.D

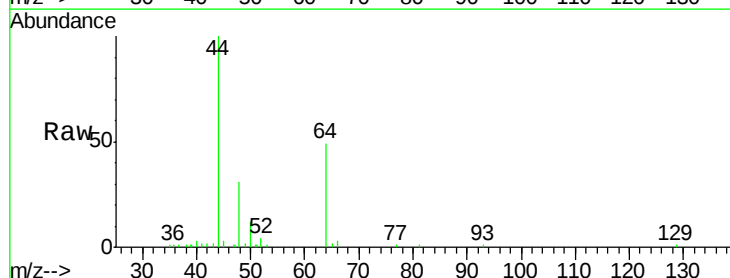
Acq: 30 Jun 2018 18:29

Tgt Ion: 50 Resp: 780

Ion Ratio Lower Upper

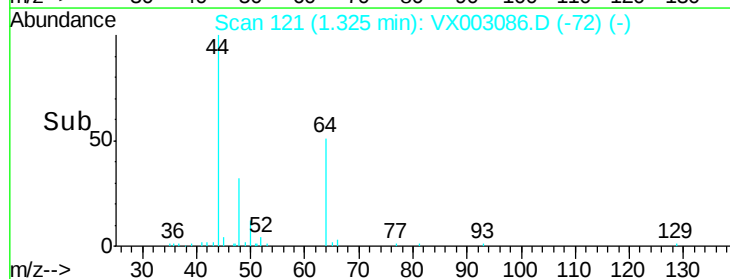
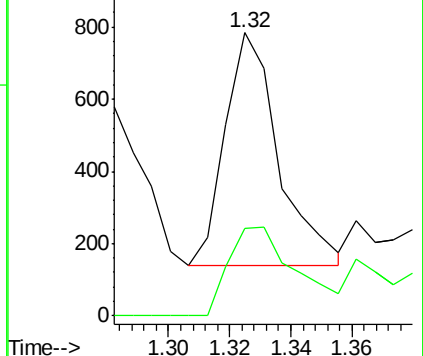
50 100

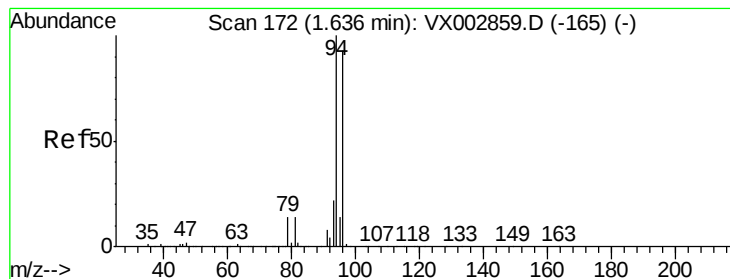
52 37.5 25.7 38.5



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: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

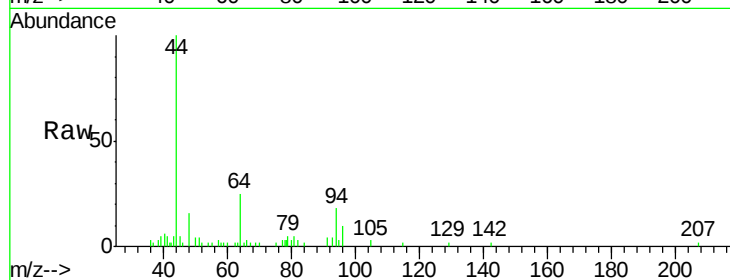
S22-0044

Tot Ion: 94 Resp: 1728

Ion Ratio Lower Upper

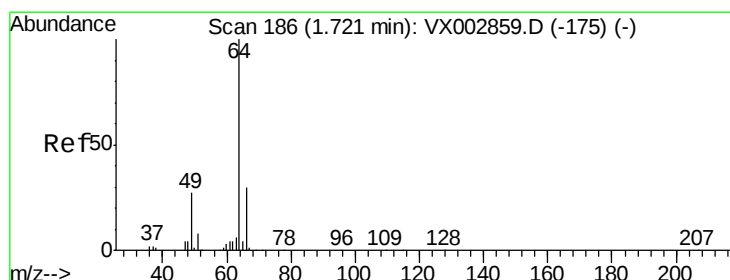
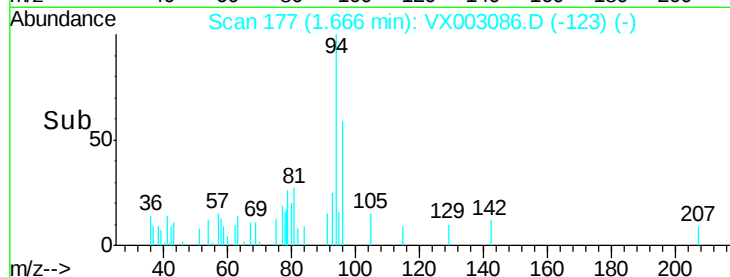
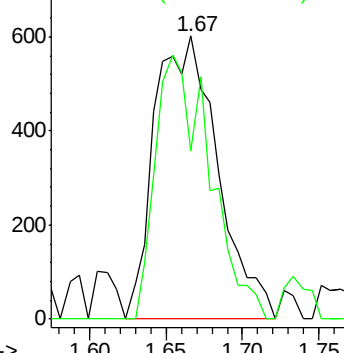
94 100

96 59.3 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: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX003086.D

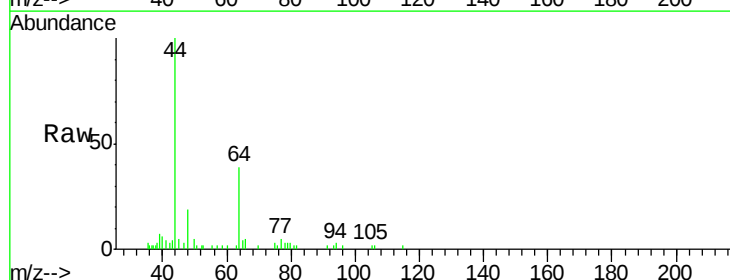
Acq: 30 Jun 2018 18:29

Tgt Ion: 64 Resp: 335

Ion Ratio Lower Upper

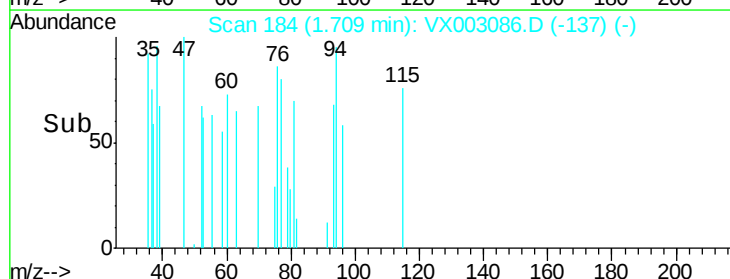
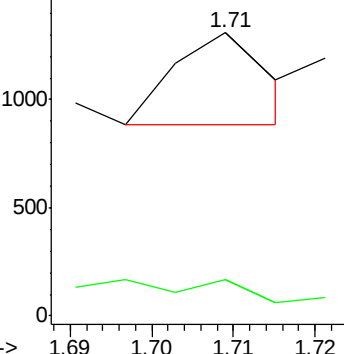
64 100

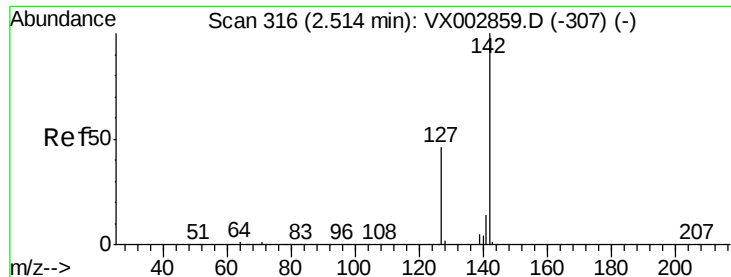
66 25.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

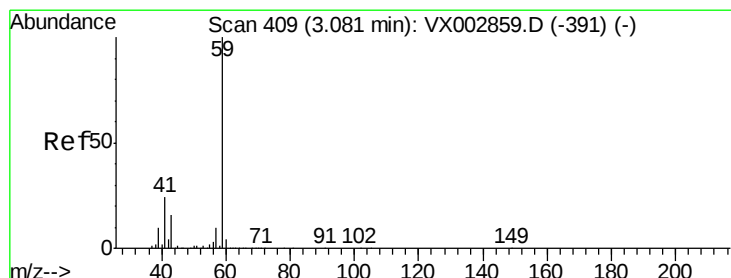
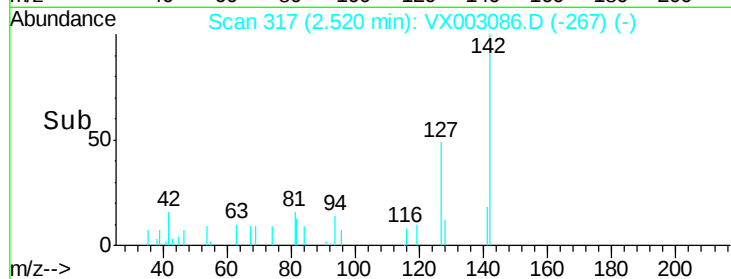
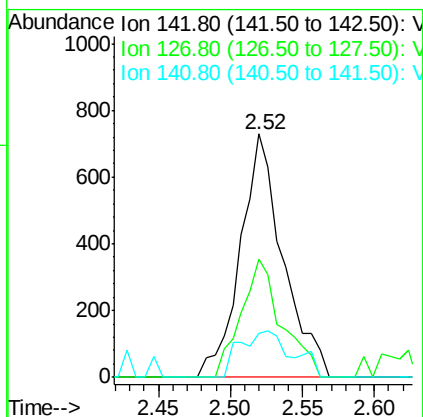
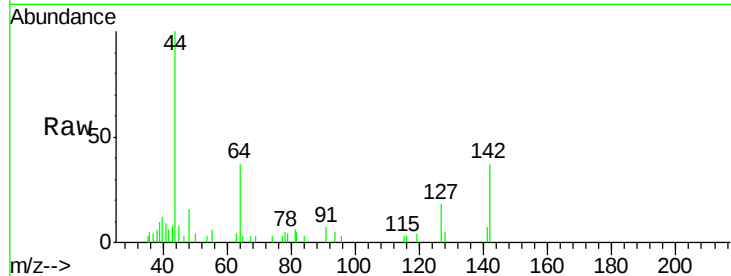




#10
Methyl Iodide
Concen: 6.64 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

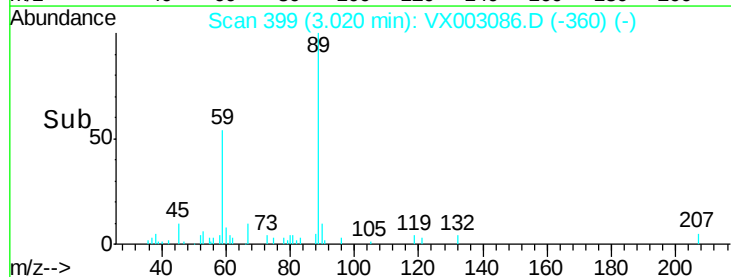
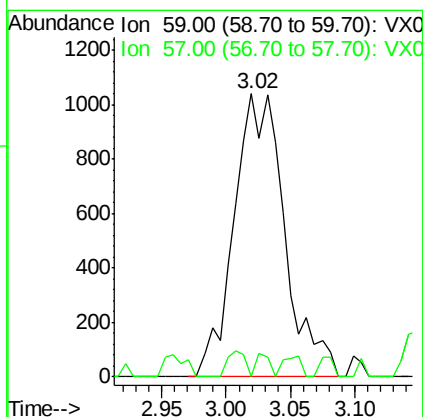
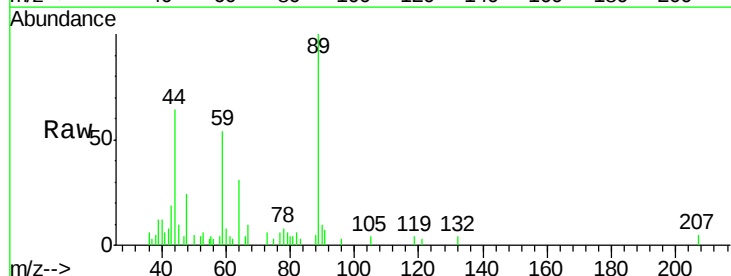
Instrument :
MSVOA_X
ClientSampled :
S22-0044

Tot Ion:142 Resp: 1495
Ion Ratio Lower Upper
142 100
127 46.6 36.6 55.0
141 23.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 3.62 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

Tgt Ion: 59 Resp: 2830
Ion Ratio Lower Upper
59 100
57 2.0 8.2 12.2#





#13

Acrolein

Concen: 4.49 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

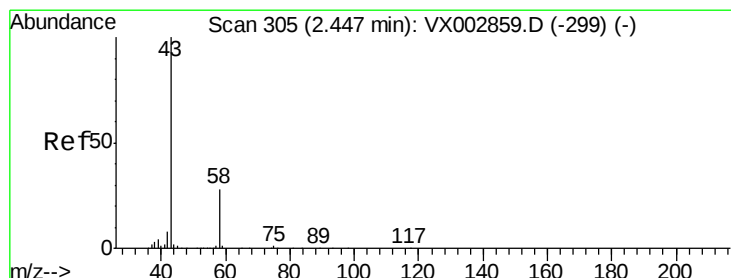
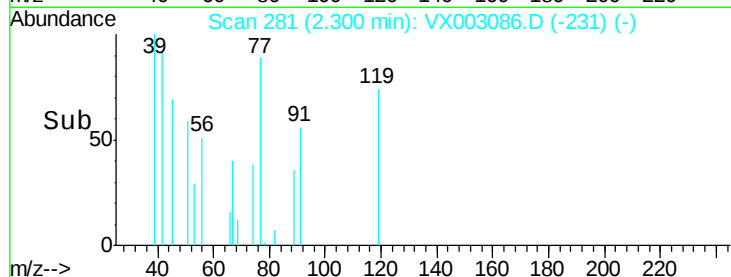
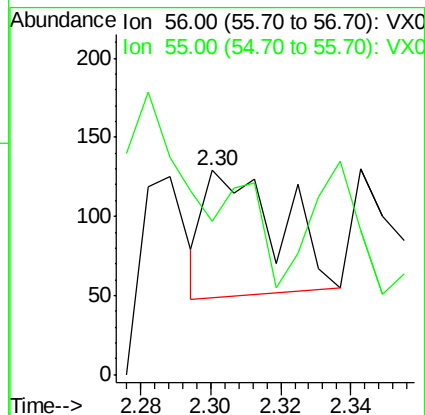
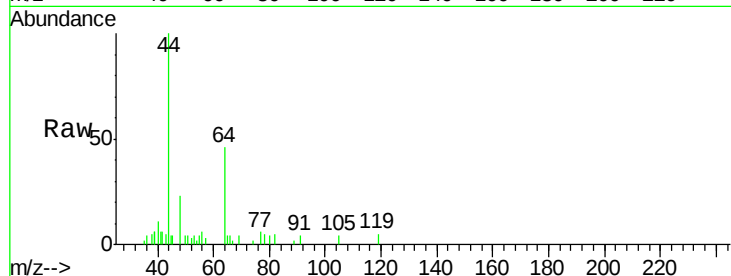
S22-0044

Tot Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 5.74 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003086.D

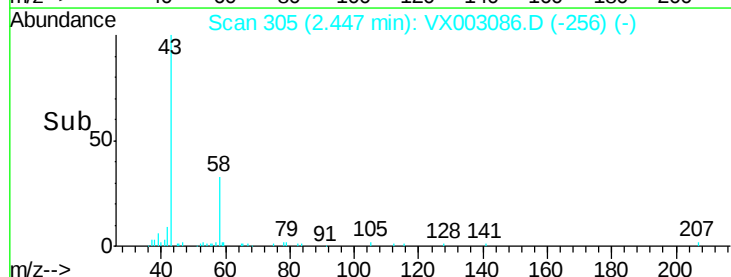
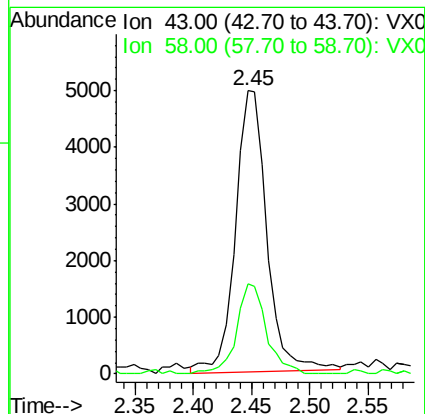
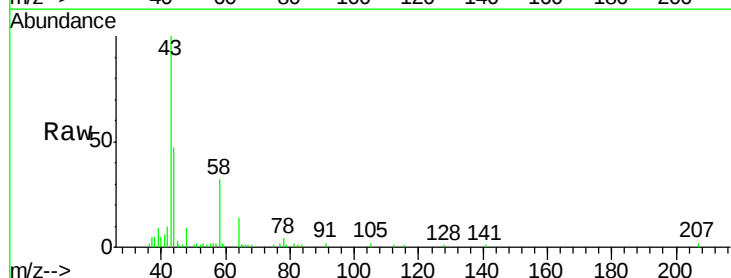
Acq: 30 Jun 2018 18:29

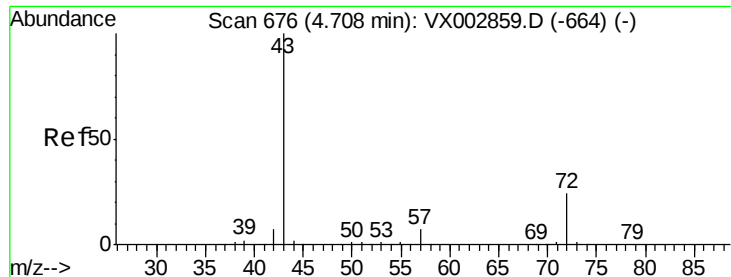
Tgt Ion: 43 Resp: 9318

Ion Ratio Lower Upper

43 100

58 32.3 22.1 33.1





#25

2-Butanone

Concen: 0.23 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

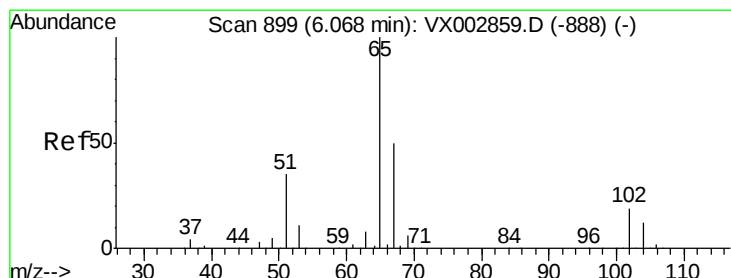
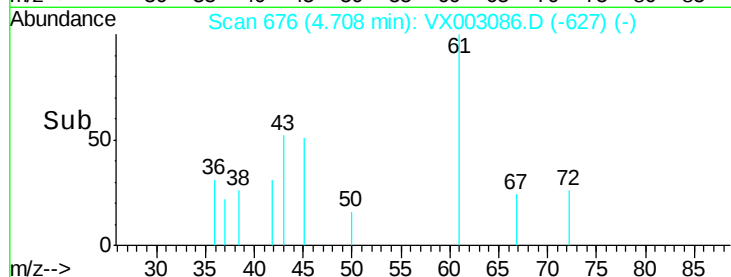
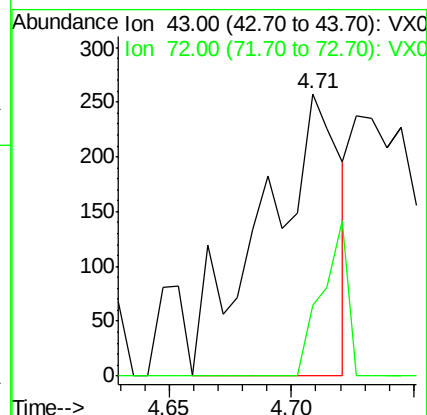
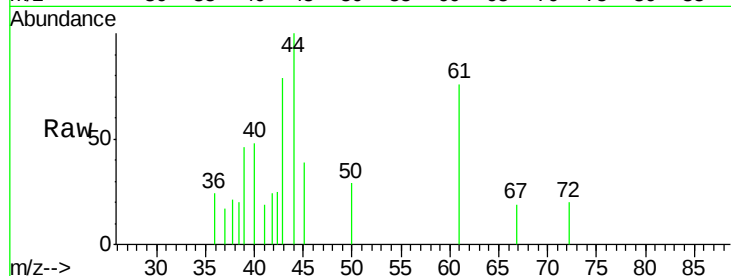
S22-0044

Tot Ion: 43 Resp: 558

Ion Ratio Lower Upper

43 100

72 25.2 18.5 27.7



#33

1,2-Dichloroethane-d4

Concen: 46.60 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003086.D

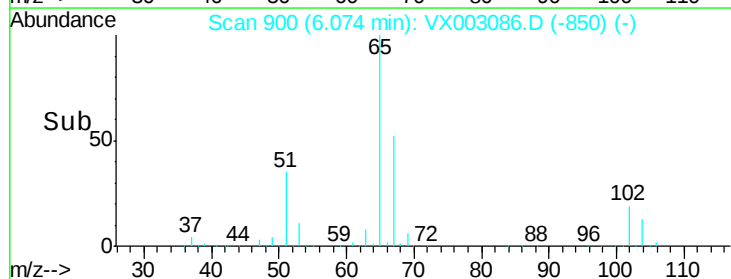
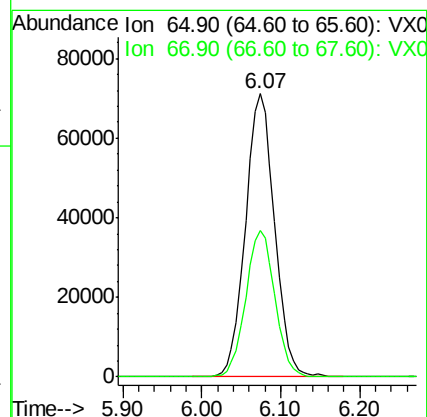
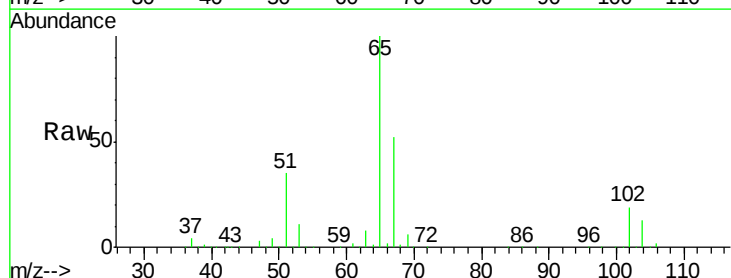
Acq: 30 Jun 2018 18:29

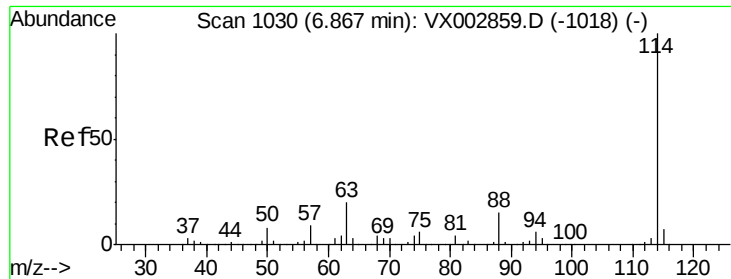
Tgt Ion: 65 Resp: 182626

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.6

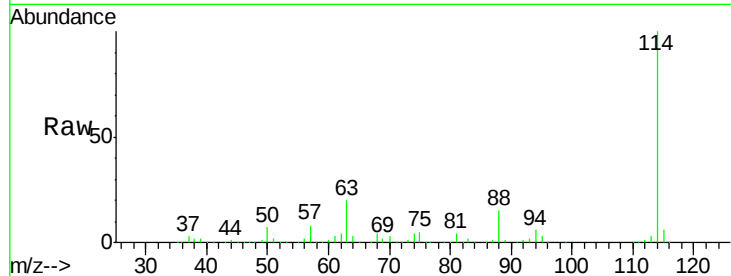




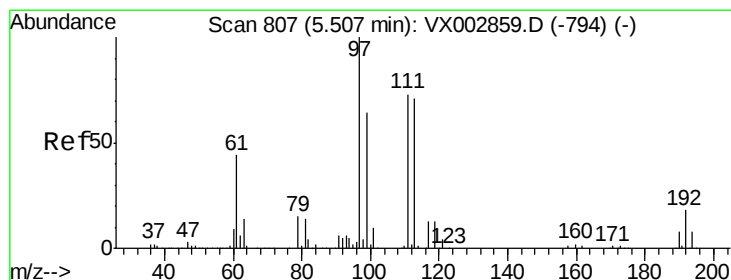
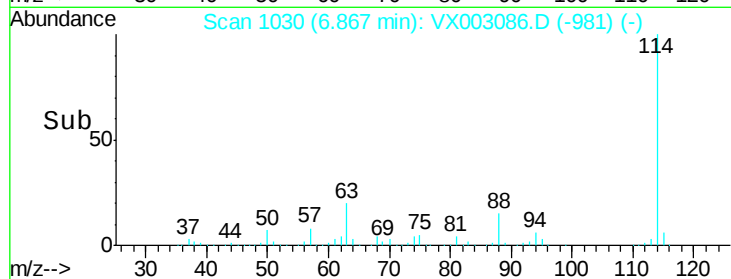
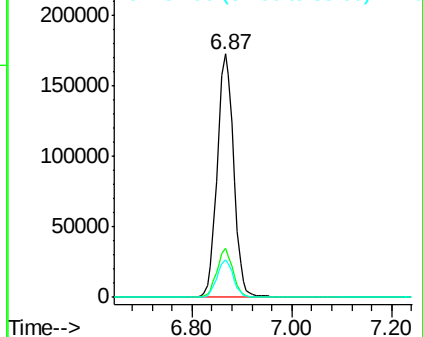
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003086.D
 Acq: 30 Jun 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0044

Tot Ion:114 Resp: 395195
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.4 0.0 30.0

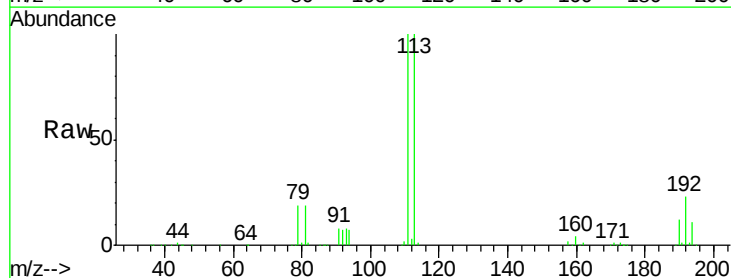


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

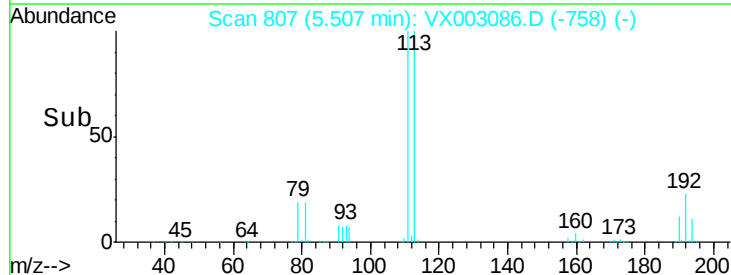
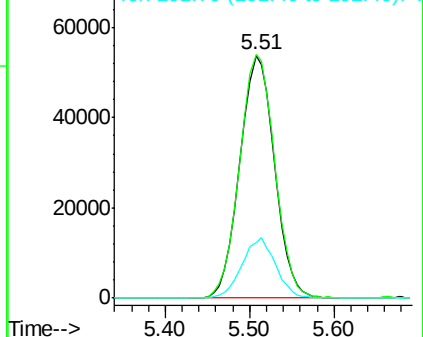


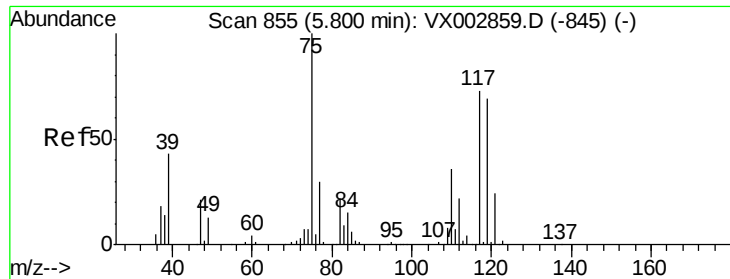
#35
 Dibromofluoromethane
 Concen: 47.94 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003086.D
 Acq: 30 Jun 2018 18:29

Tgt Ion:113 Resp: 150035
 Ion Ratio Lower Upper
 113 100
 111 101.7 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: 4.29 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

S22-0044

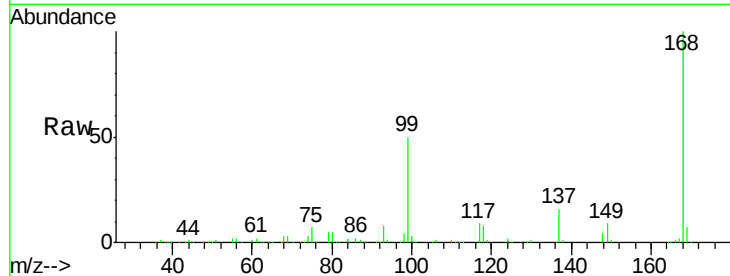
Tot Ion: 75 Resp: 18599

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

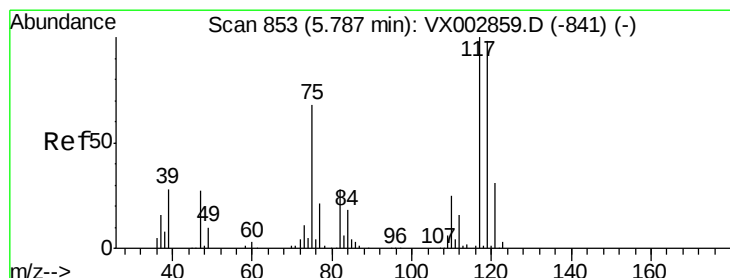
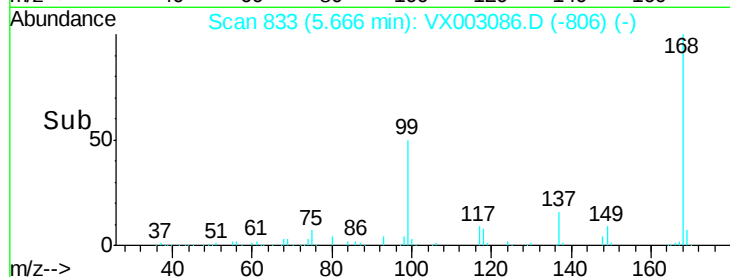
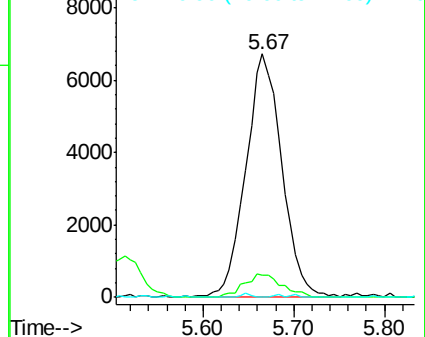
77 0.4 24.3 36.5#



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: 5.31 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

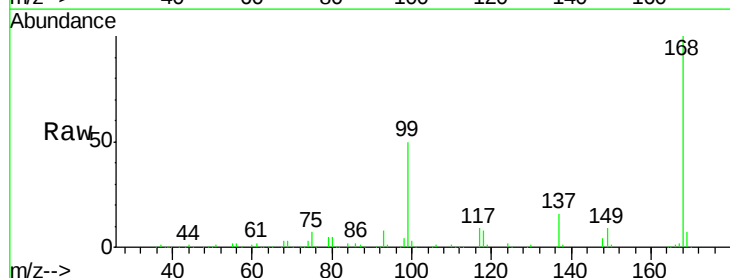
Tgt Ion: 117 Resp: 25262

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

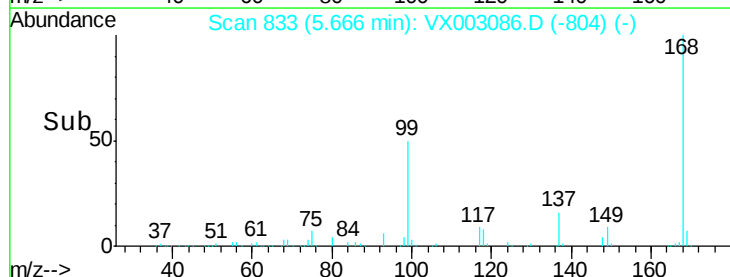
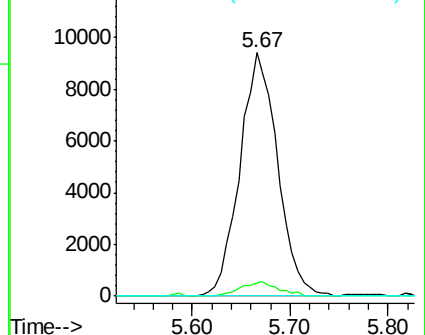
121 0.0 24.4 36.6#

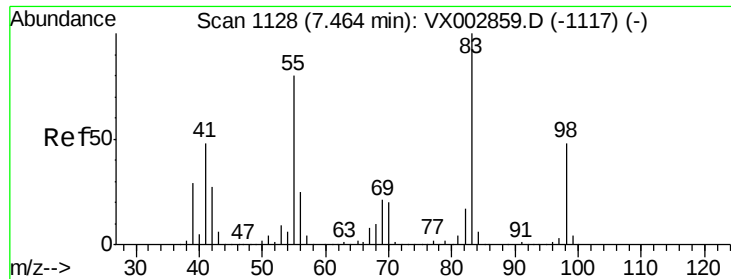


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

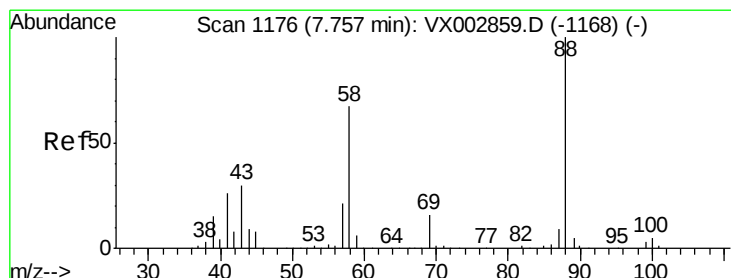
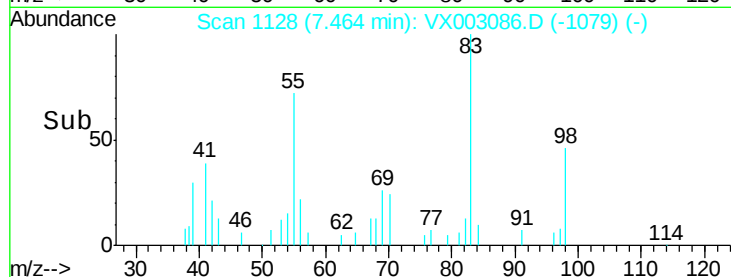
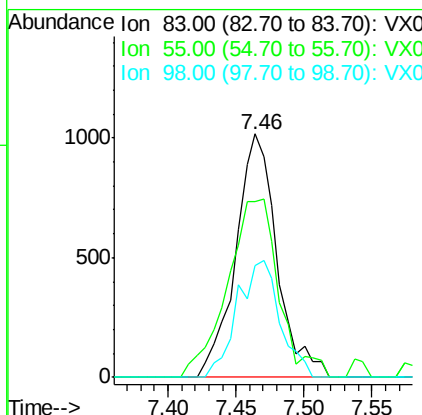
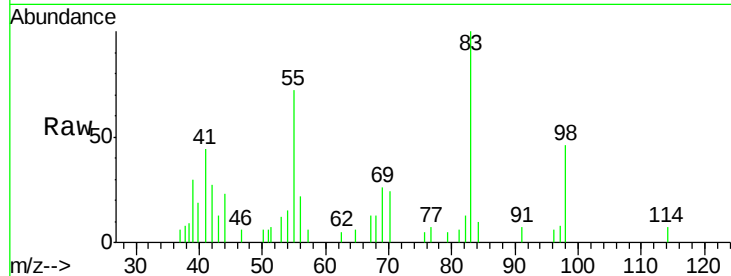




#39
Methvlcvclohexane
Concen: 0.43 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

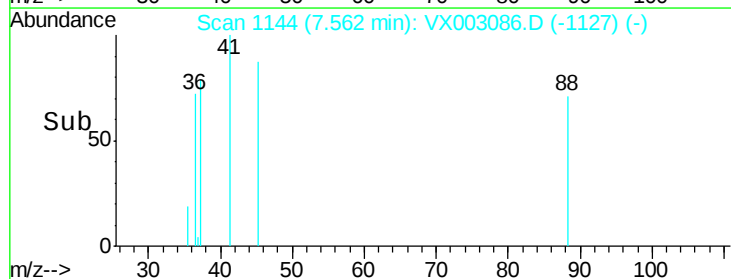
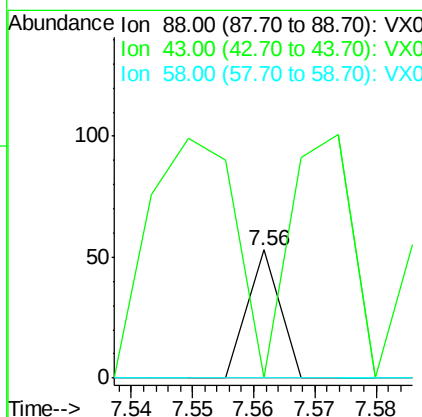
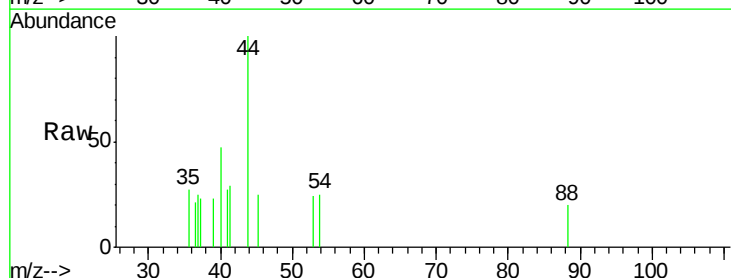
Instrument :
MSVOA_X
ClientSampled :
S22-0044

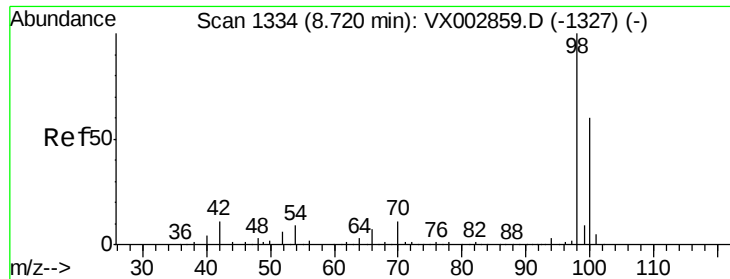
Tot Ion: 83 Resp: 2159
Ion Ratio Lower Upper
83 100
55 72.1 65.4 98.0
98 45.8 37.4 56.0



#49
1,4-Dioxane
Concen: 0.24 ug/l
RT: 7.56 min Scan# 1144
Delta R.T. -0.20 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 478.9 29.8 44.6#
58 0.0 57.1 85.7#

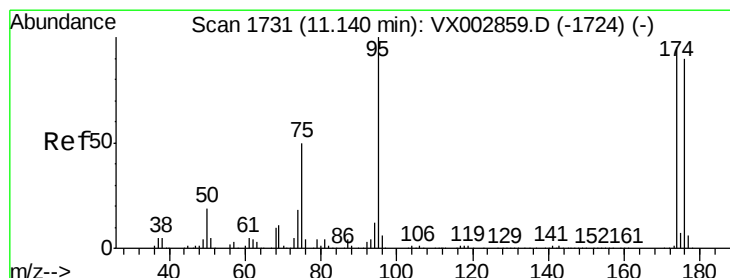
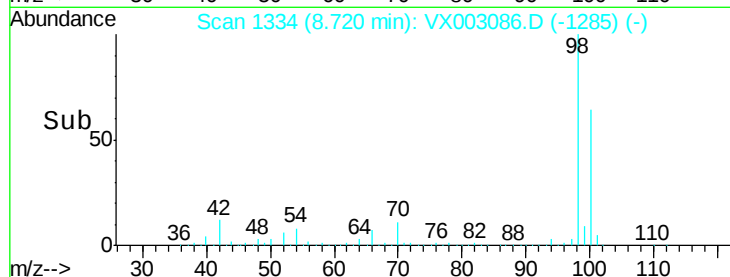
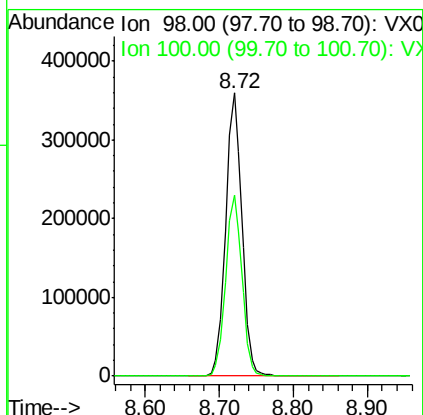
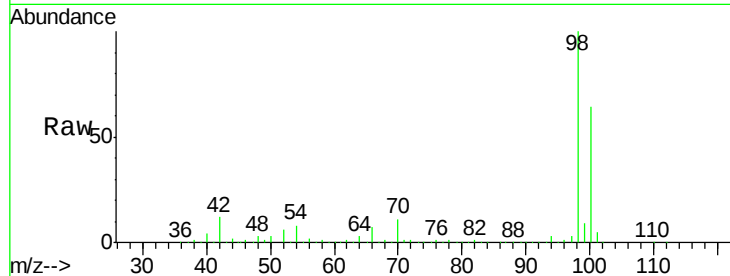




#50
Toluene-d8
Concen: 48.15 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

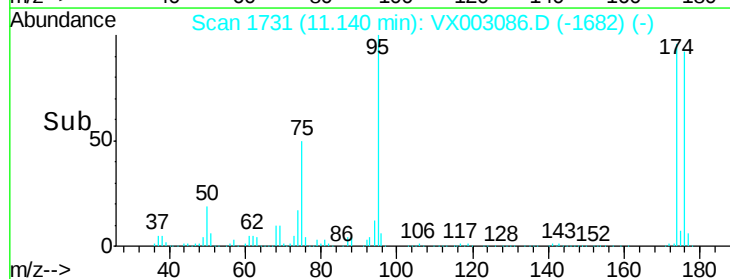
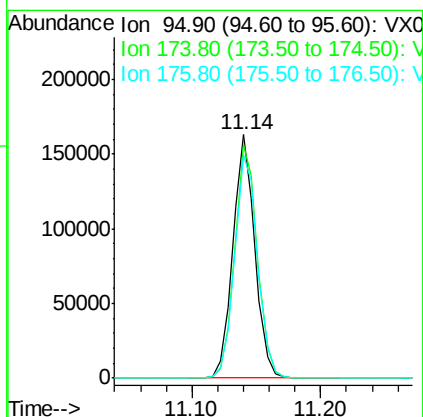
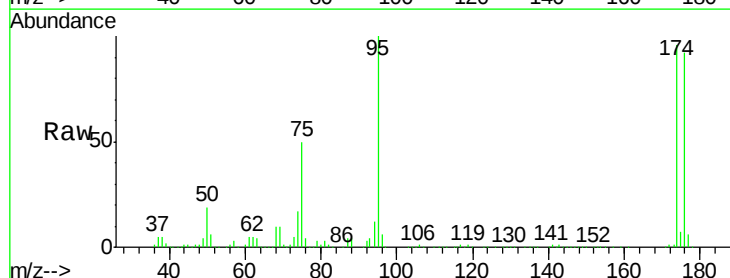
Instrument :
MSVOA_X
ClientSampleId :
S22-0044

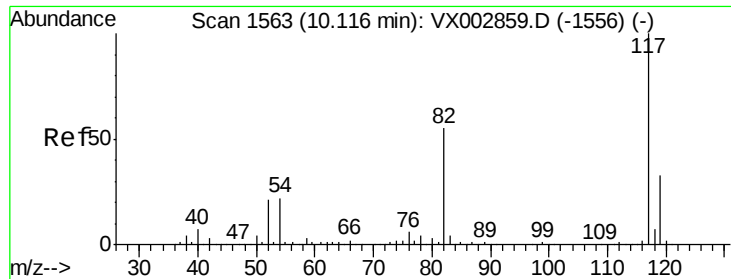
Tot Ion: 98 Resp: 550238
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.08 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

Tgt Ion: 95 Resp: 194267
Ion Ratio Lower Upper
95 100
174 98.8 0.0 187.4
176 95.3 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: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

S22-0044

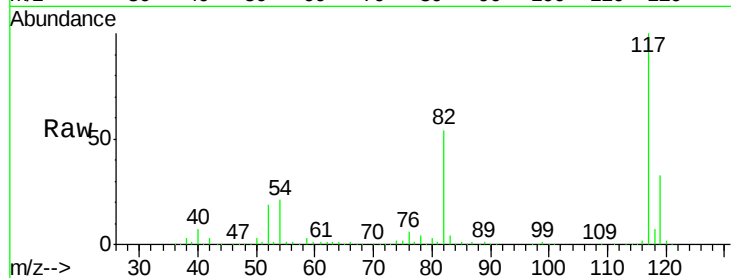
Tot Ion:117 Resp: 365387

Ion Ratio Lower Upper

117 100

82 54.0 45.0 67.4

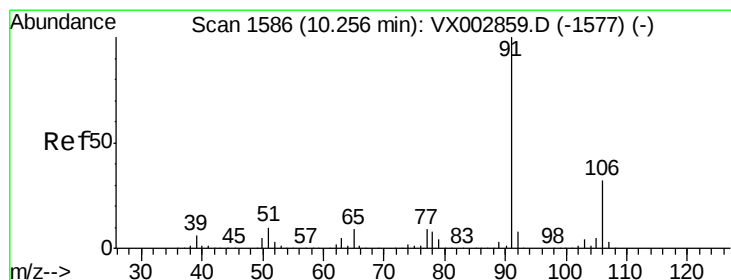
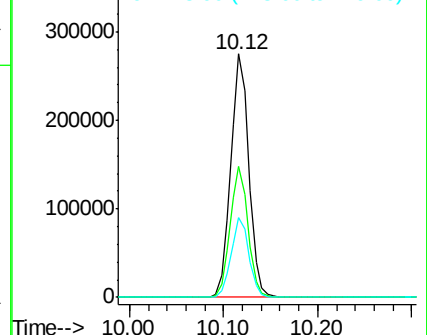
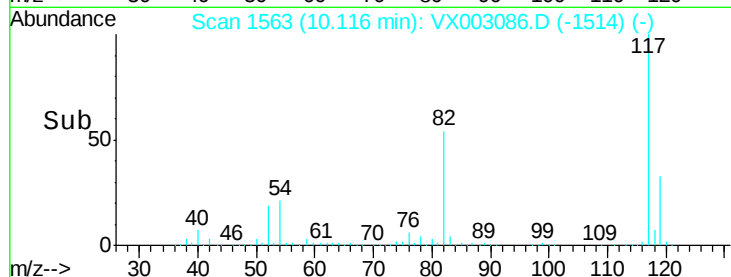
119 32.7 25.8 38.6



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



#67

Ethyl Benzene

Concen: 0.74 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003086.D

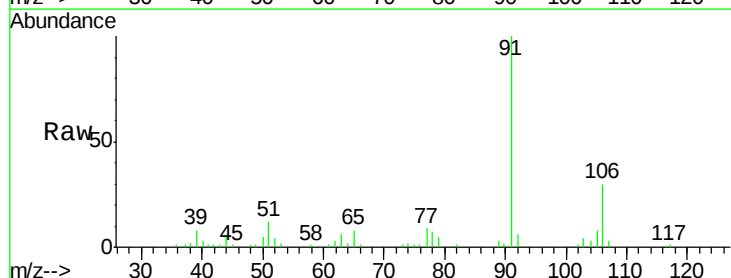
Acq: 30 Jun 2018 18:29

Tgt Ion: 91 Resp: 11397

Ion Ratio Lower Upper

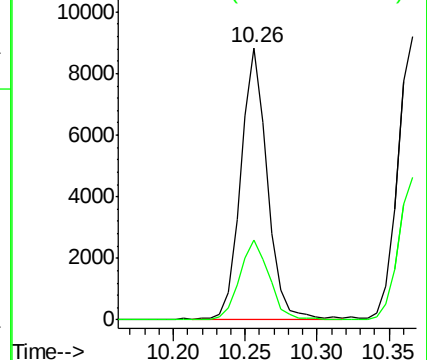
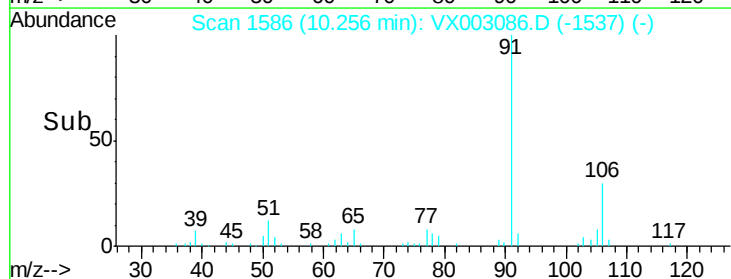
91 100

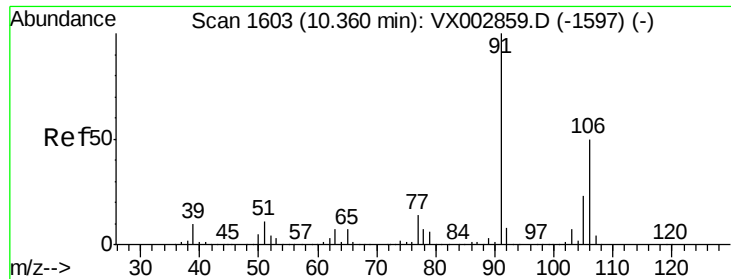
106 29.6 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

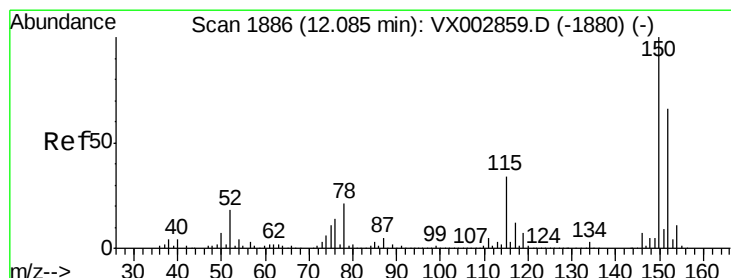
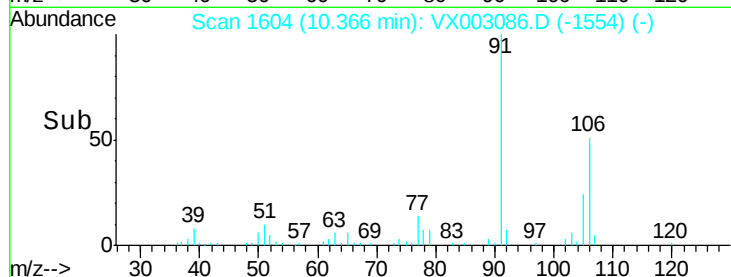
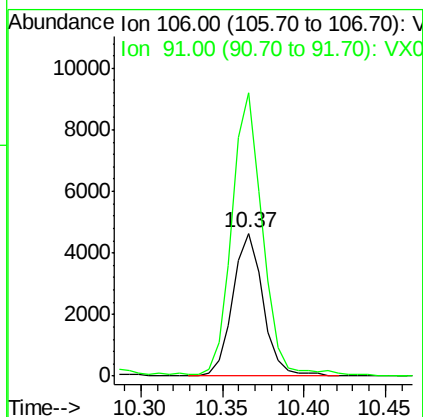
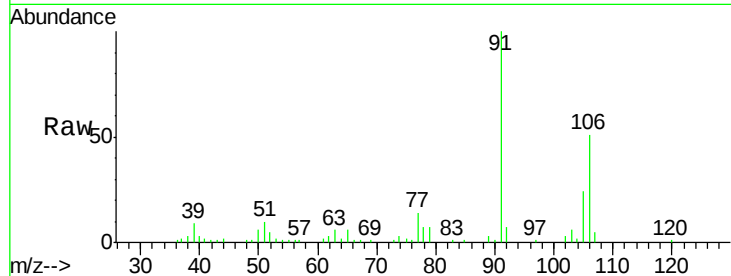




#68
m/p-Xvlenes
Concen: 1.02 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

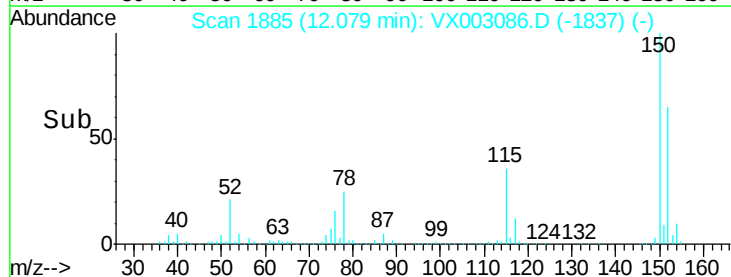
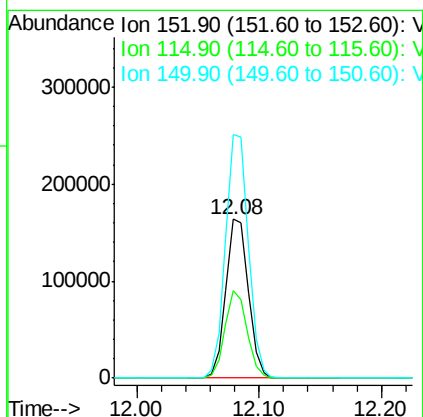
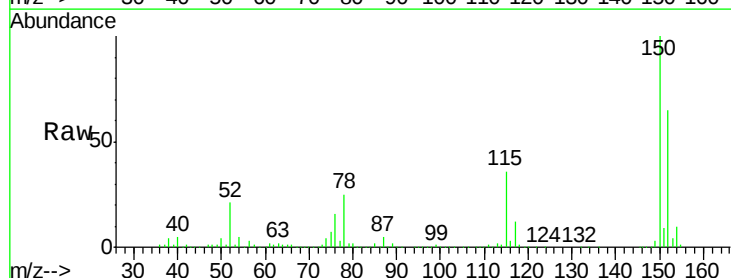
Instrument :
MSVOA_X
ClientSampled :
S22-0044

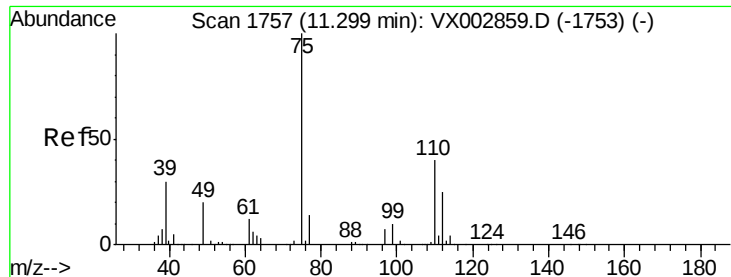
Tot Ion:106 Resp: 6045
Ion Ratio Lower Upper
106 100
91 201.0 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

Tgt Ion:152 Resp: 208464
Ion Ratio Lower Upper
152 100
115 53.8 40.1 120.2
150 155.5 0.0 347.2

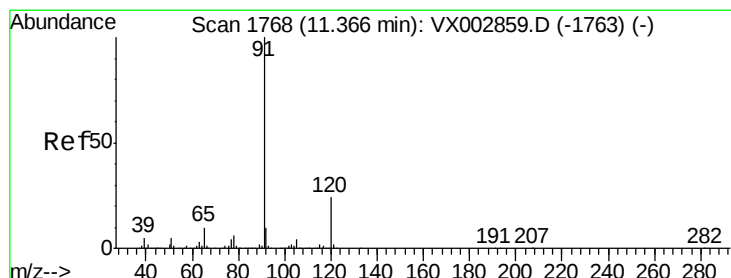
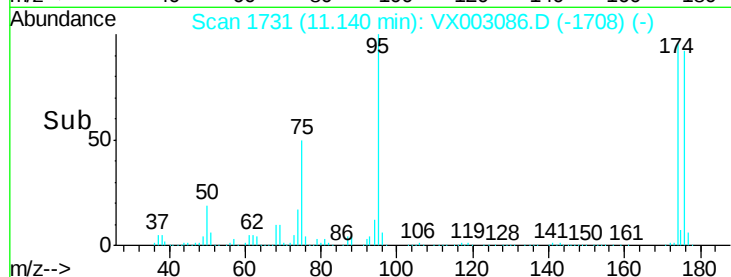
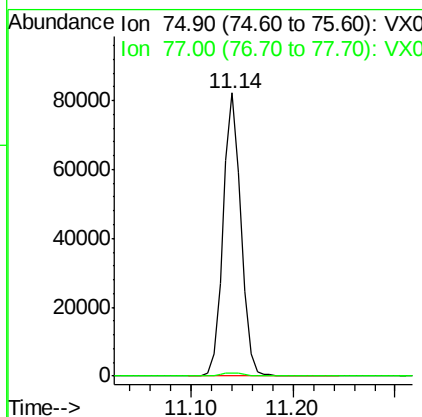
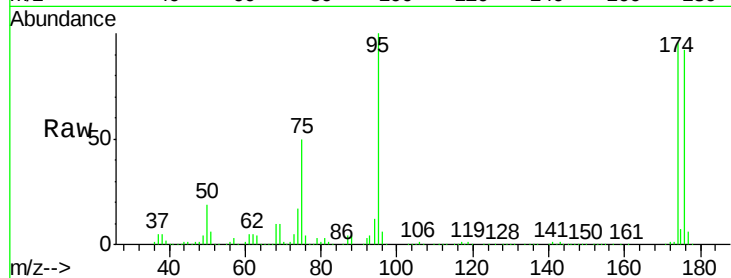




#76
 1,2,3-Trichloropropane
 Concen: 26.42 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003086.D
 Acq: 30 Jun 2018 18:29

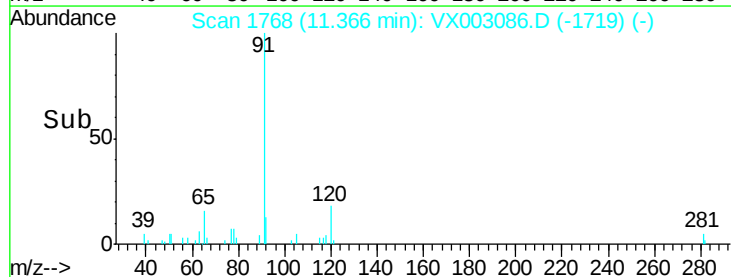
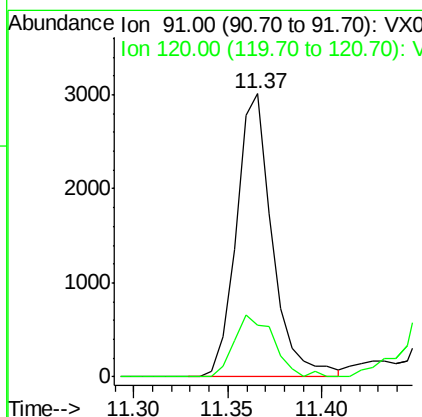
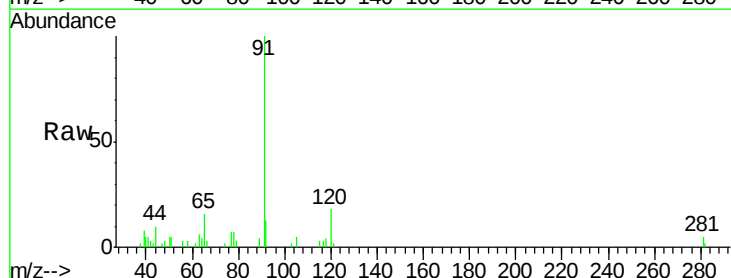
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0044

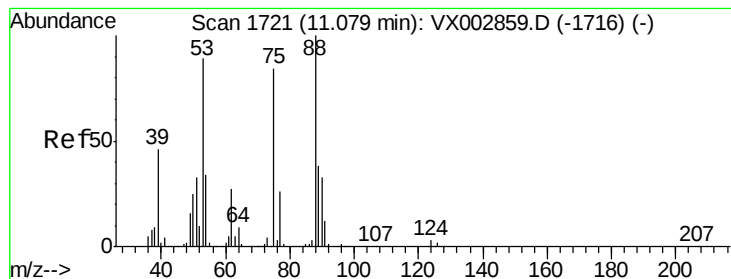
Tot Ion: 75 Resp: 99772
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#78
 n-propylbenzene
 Concen: 0.25 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VX003086.D
 Acq: 30 Jun 2018 18:29

Tgt Ion: 91 Resp: 3972
 Ion Ratio Lower Upper
 91 100
 120 24.3 11.8 35.4





#81

trans-1,4-Dichloro-2-butene

Concen: 74.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

S22-0044

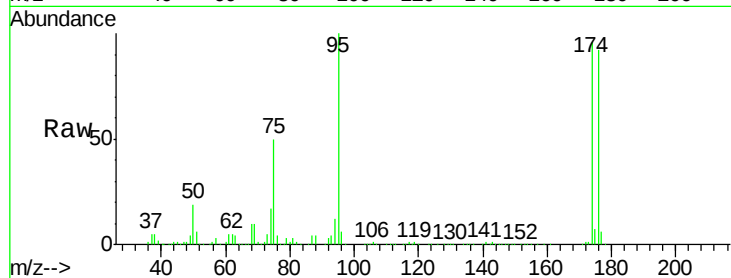
Tot Ion: 75 Resp: 99772

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

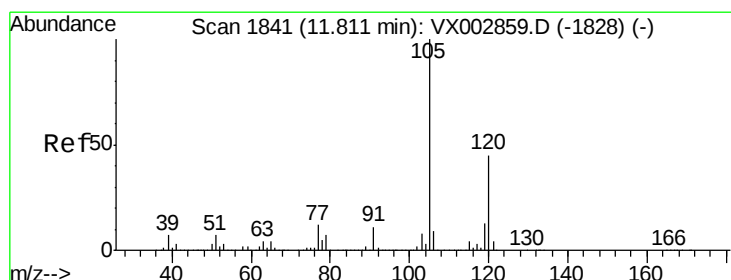
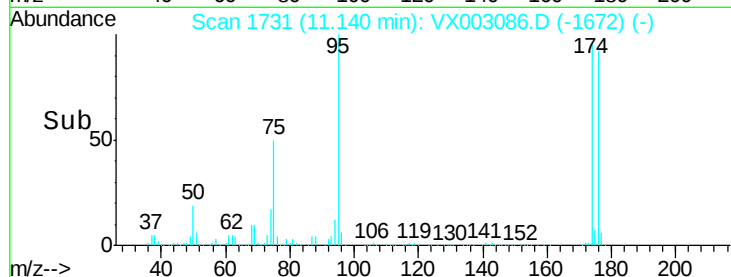
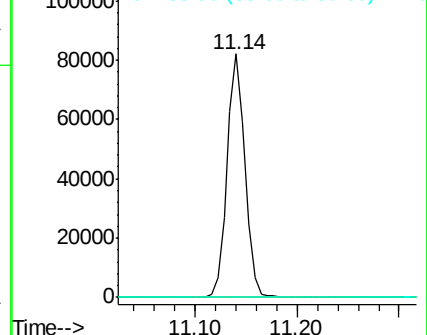
89 0.1 38.2 57.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.96 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003086.D

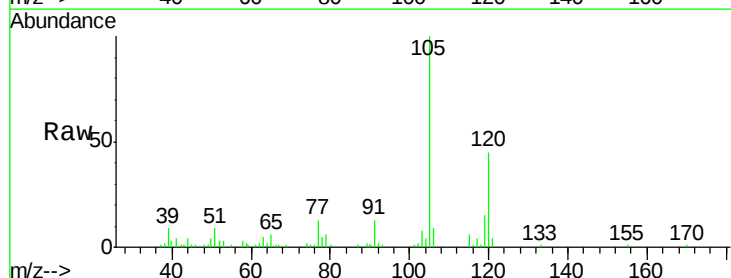
Acq: 30 Jun 2018 18:29

Tgt Ion: 105 Resp: 11752

Ion Ratio Lower Upper

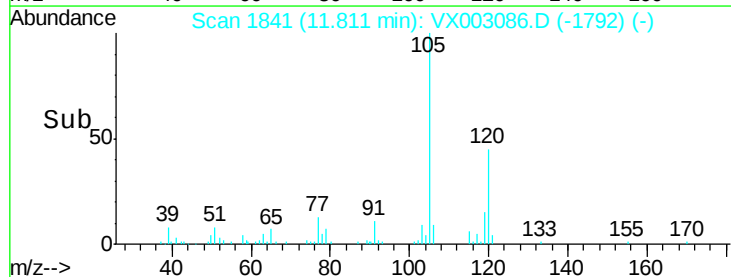
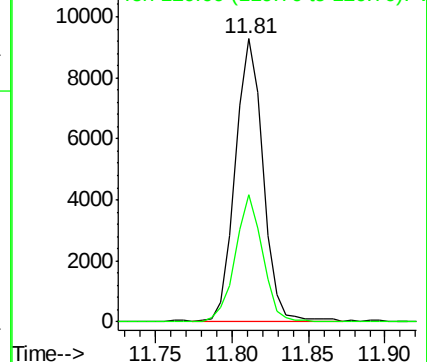
105 100

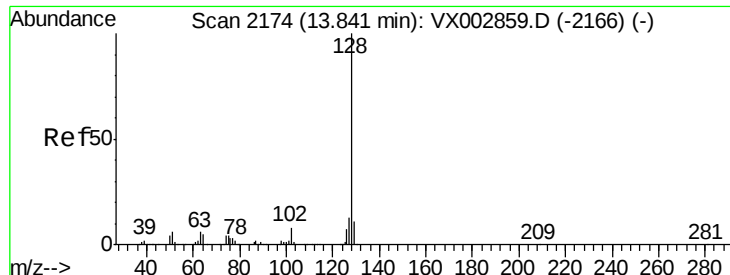
120 44.1 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 0.45 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

S22-0044

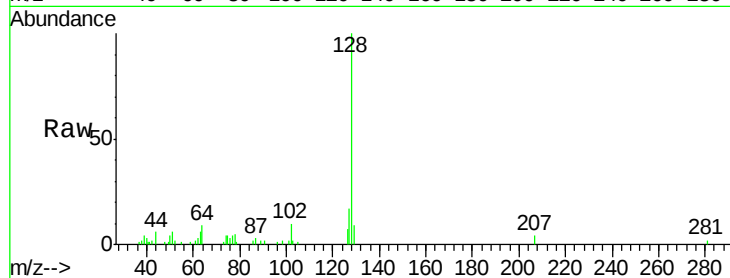
Tot Ion:128 Resp: 6479

Ion Ratio Lower Upper

128 100

127 14.5 10.4 15.6

129 11.1 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

