

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062918\
 Data File : VX003060.D
 Acq On : 30 Jun 2018 05:35
 Operator : JC/MD
 Sample : J3675-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0099

Quant Time: Jun 30 10:25:42 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	305242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	421115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236025	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	193967	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
35) Dibromofluoromethane	5.51	113	158263	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	8.72	98	585497	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.14	95	218929	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

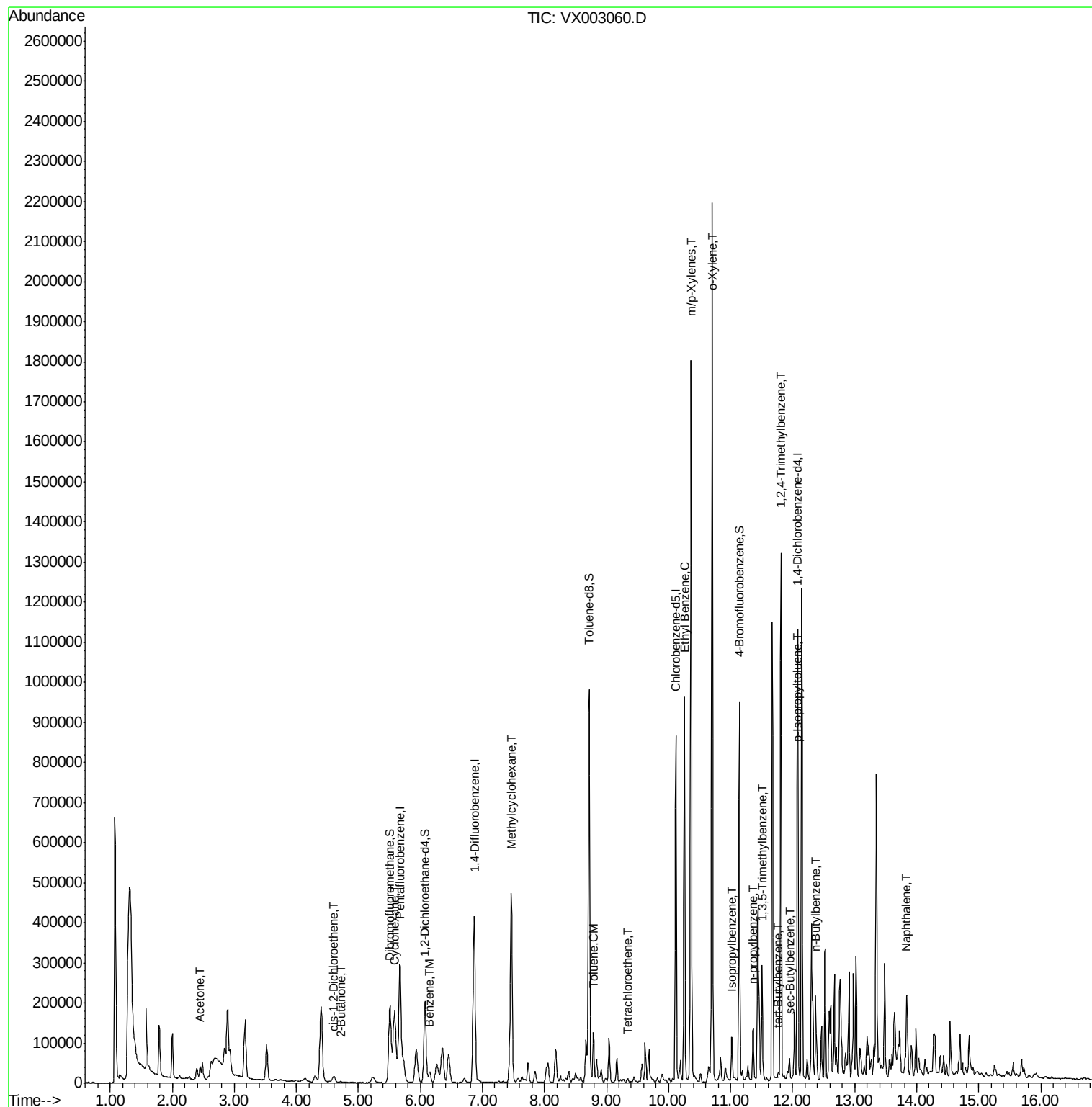
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	33140	18.97	ug/l	97
25) 2-Butanone	4.72	43	4824	1.86	ug/l	95
27) cis-1,2-Dichloroethene	4.61	96	8917	2.43	ug/l	82
31) Cyclohexane	5.57	56	121752	23.01	ug/l	95
39) Methylcyclohexane	7.46	83	201473	37.45	ug/l	99
40) Benzene	6.15	78	30685	2.29	ug/l	97
52) Toluene	8.79	92	42486	4.94	ug/l	99
64) Tetrachloroethene	9.34	164	1103	0.26	ug/l	94
67) Ethyl Benzene	10.26	91	529600	32.57	ug/l	99
68) m/p-Xylenes	10.36	106	402608	64.24	ug/l	100
69) o-Xylene	10.70	106	469971	77.02	ug/l	98
73) Isopropylbenzene	11.02	105	57474	3.62	ug/l	99
78) n-propylbenzene	11.37	91	77738	4.30	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	123730	9.25	ug/l	100
83) tert-Butylbenzene	11.77	119	4308	0.33	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	541650	39.09	ug/l	98
85) sec-Butylbenzene	11.95	105	22912	1.43	ug/l	81
86) p-Isopropyltoluene	12.07	119	28852	2.01	ug/l	98
89) n-Butylbenzene	12.38	91	23282	1.86	ug/l #	14
95) Naphthalene	13.83	128	126052	7.80	ug/l #	96

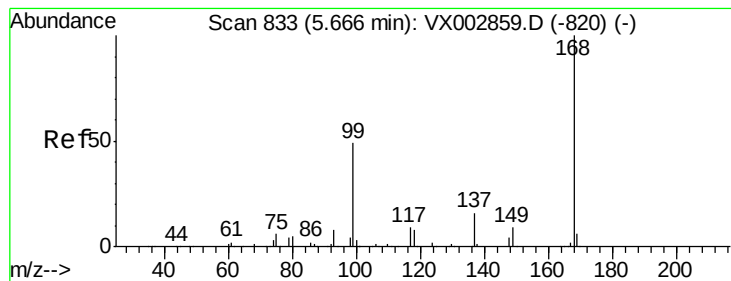
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

Instrument :

MSVOA_X

ClientSampleId :

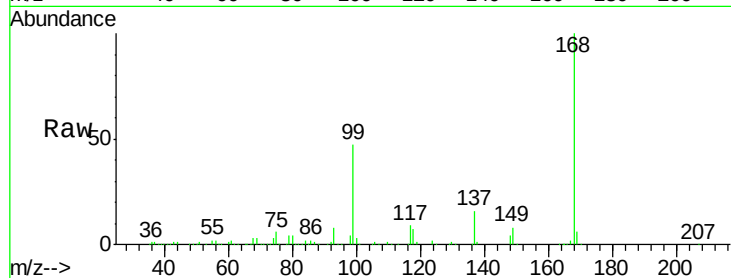
S81-0099

Tot Ion:168 Resp: 305242

Ion Ratio Lower Upper

168 100

99 47.4 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

120000

100000

80000

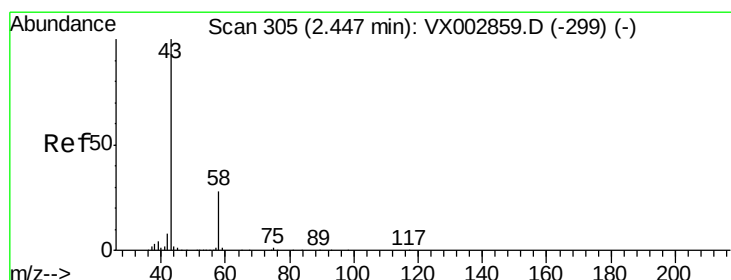
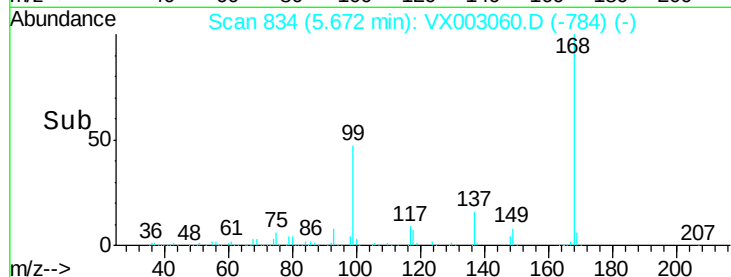
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#16

Acetone

Concen: 18.97 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003060.D

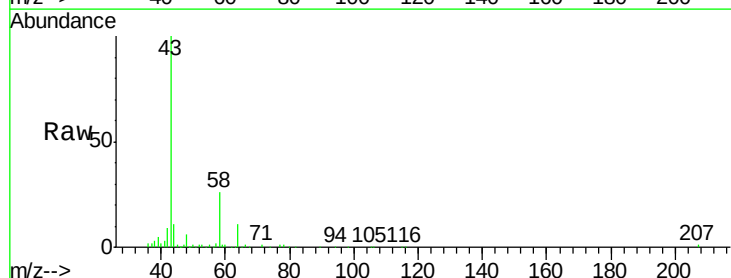
Acq: 30 Jun 2018 05:35

Tgt Ion: 43 Resp: 33140

Ion Ratio Lower Upper

43 100

58 25.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

20000

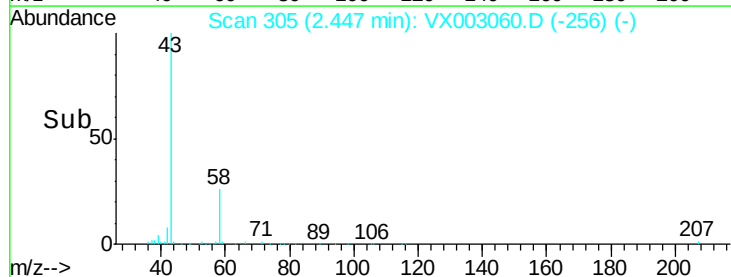
15000

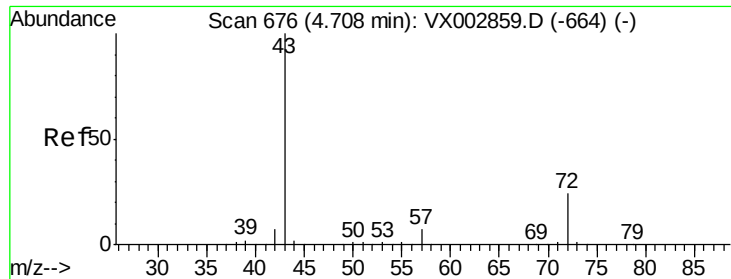
10000

5000

0

Time--> 2.40 2.45 2.50





#25

2-Butanone

Concen: 1.86 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

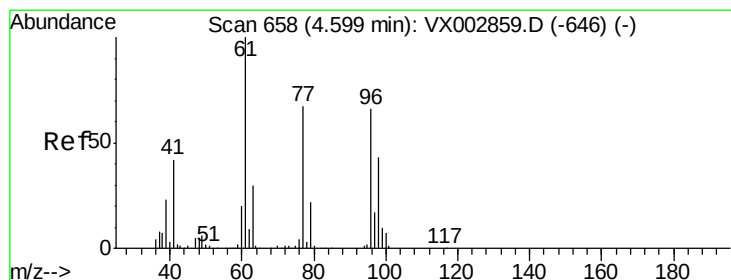
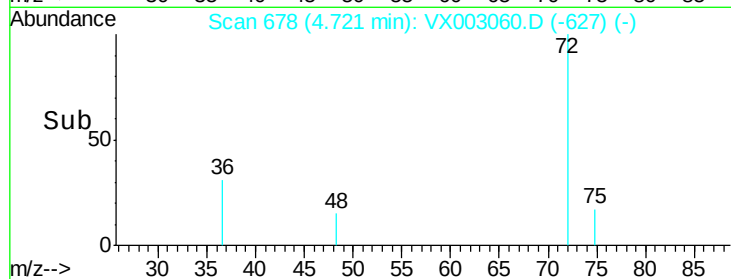
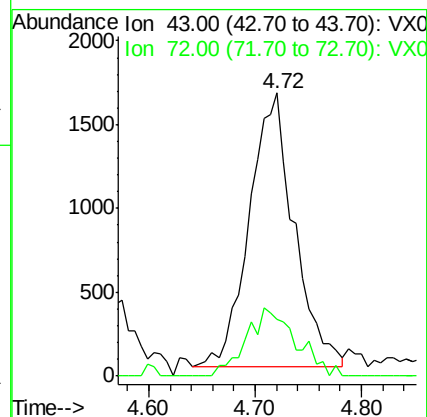
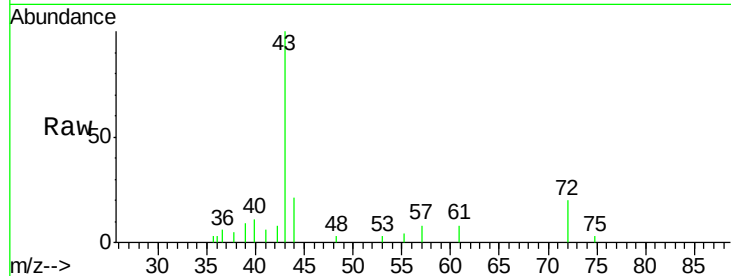
S81-0099

Tot Ion: 43 Resp: 4824

Ion Ratio Lower Upper

43 100

72 20.9 18.5 27.7



#27

cis-1,2-Dichloroethene

Concen: 2.43 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

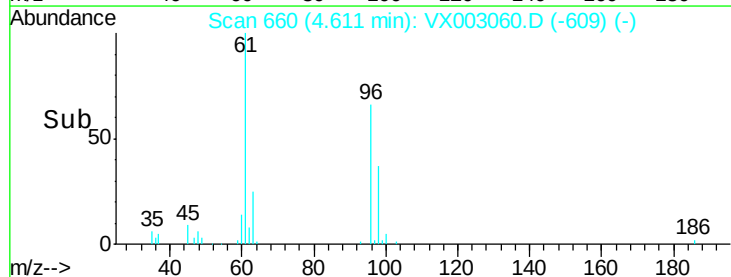
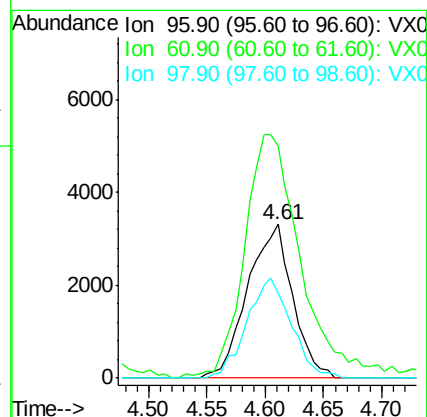
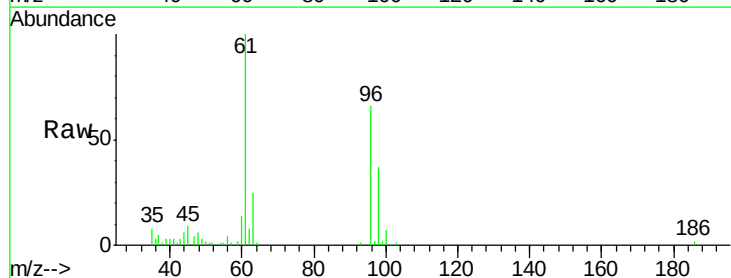
Tgt Ion: 96 Resp: 8917

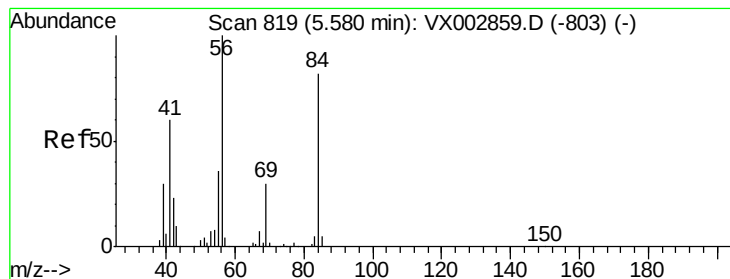
Ion Ratio Lower Upper

96 100

61 199.2 0.0 330.2

98 64.4 0.0 130.2





#31

Cyclohexane

Concen: 23.01 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

Instrument :

MSVOA_X

ClientSampleId :

S81-0099

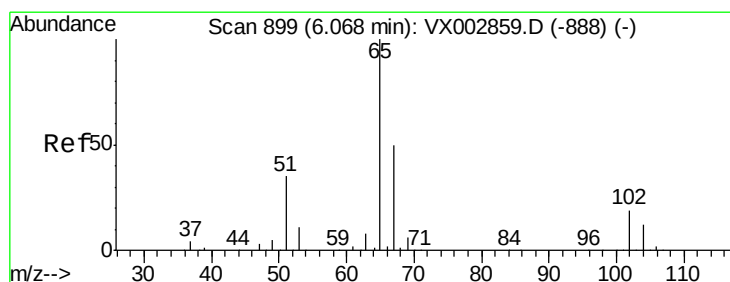
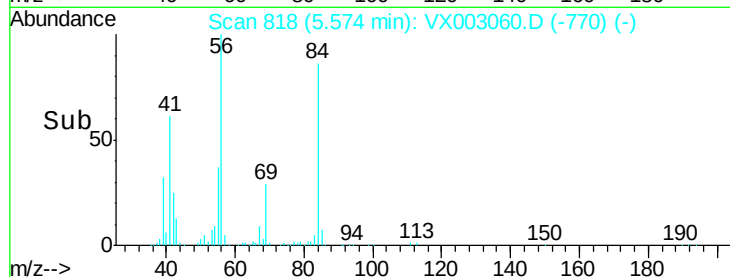
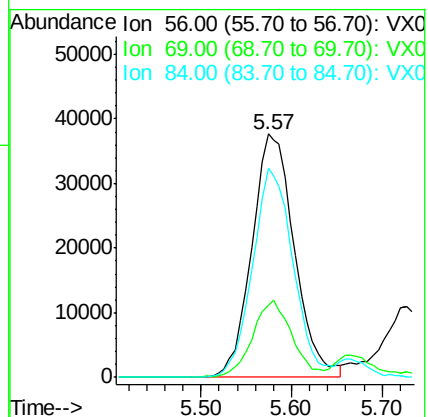
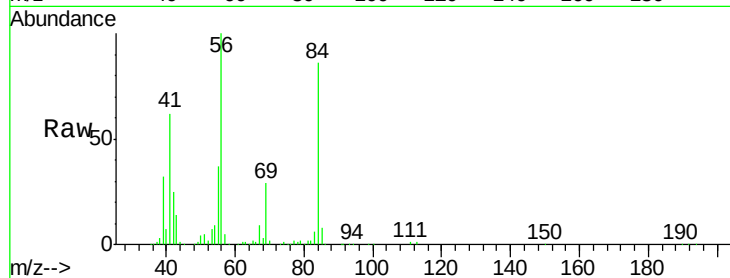
Tot Ion: 56 Resp: 121752

Ion Ratio Lower Upper

56 100

69 29.3 23.7 35.5

84 85.8 64.1 96.1



#33

1,2-Dichloroethane-d4

Concen: 45.97 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003060.D

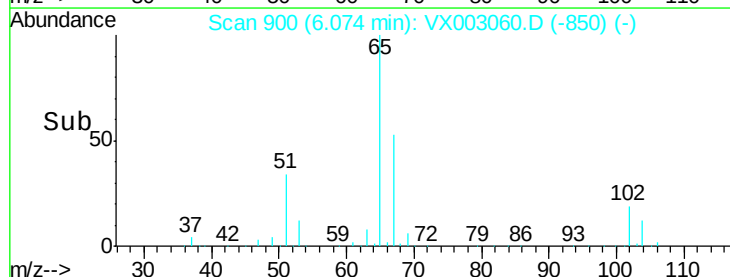
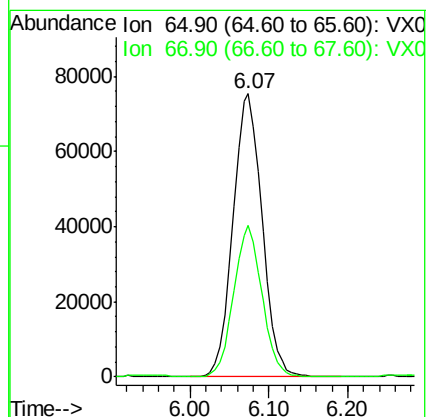
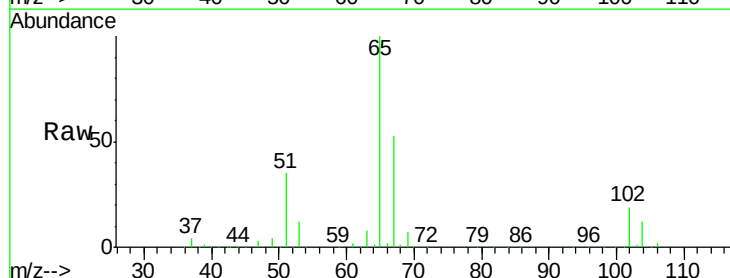
Acq: 30 Jun 2018 05:35

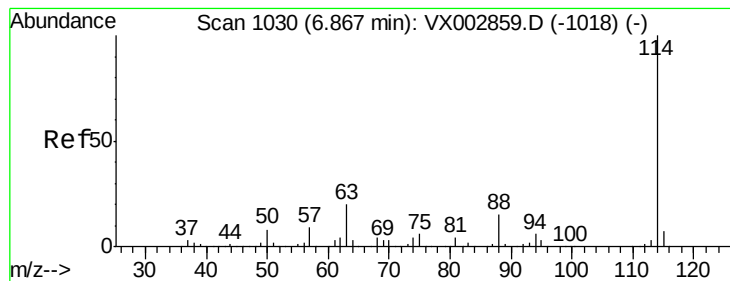
Tgt Ion: 65 Resp: 193967

Ion Ratio Lower Upper

65 100

67 51.7 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: VX003060.D

Acq: 30 Jun 2018 05:35

Instrument :

MSVOA_X

ClientSampleId :

S81-0099

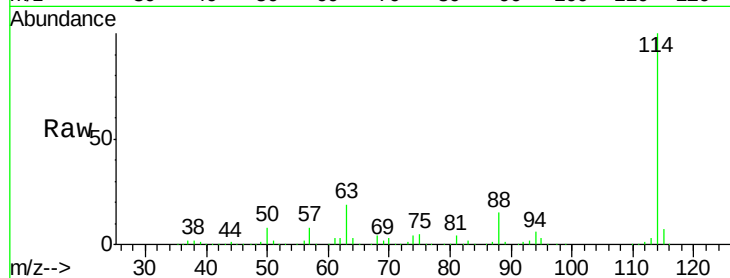
Tot Ion:114 Resp: 421115

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.4

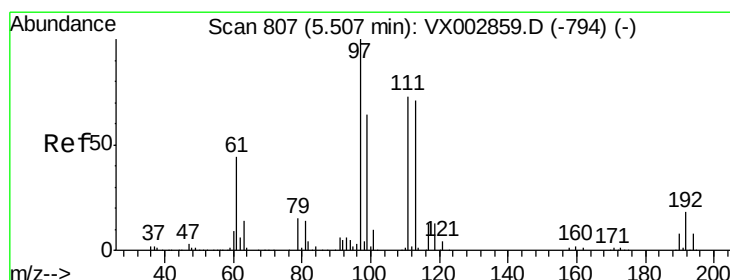
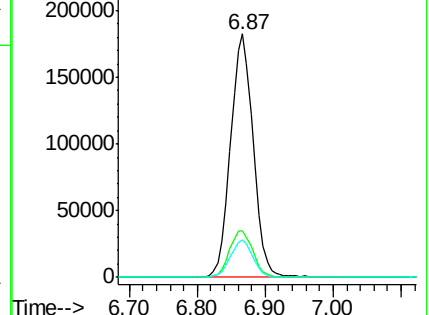
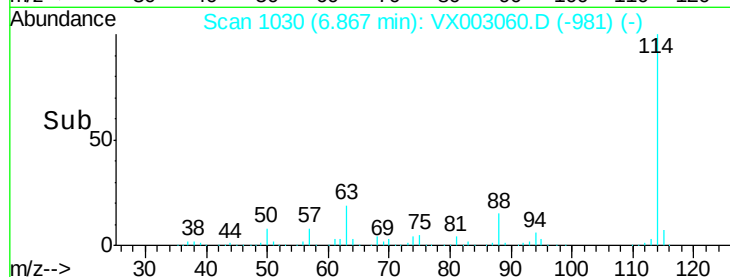
88 15.3 0.0 30.0



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: 47.46 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

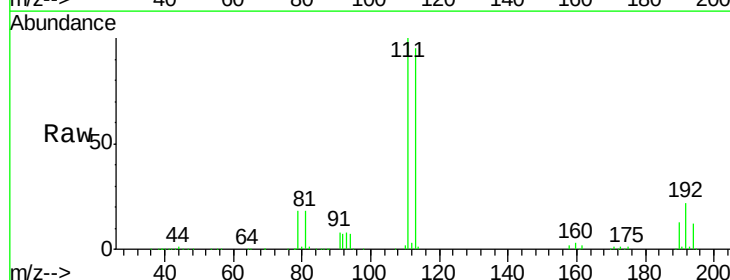
Tgt Ion:113 Resp: 158263

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

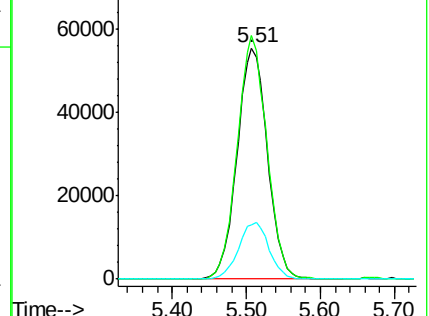
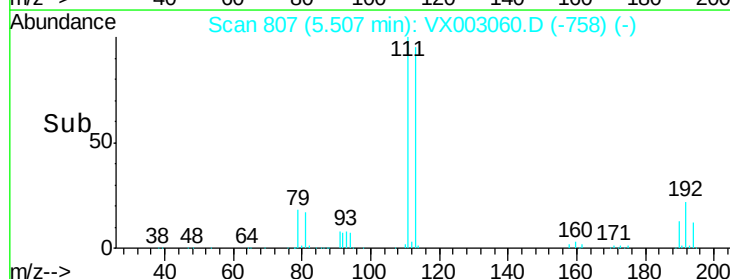
192 24.8 19.1 28.7

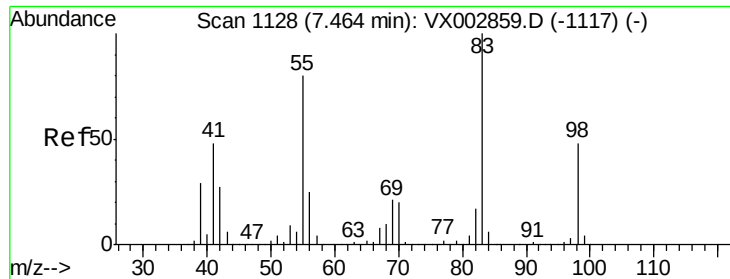


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

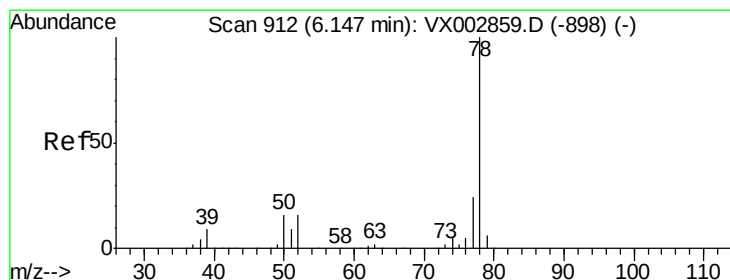
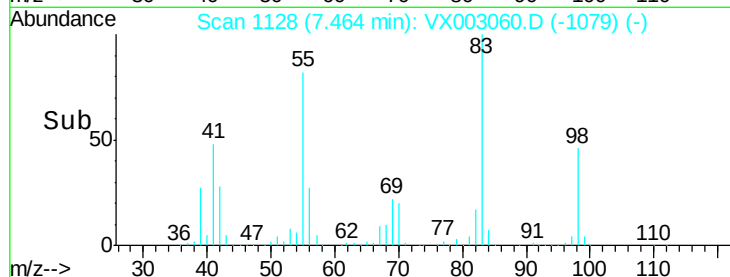
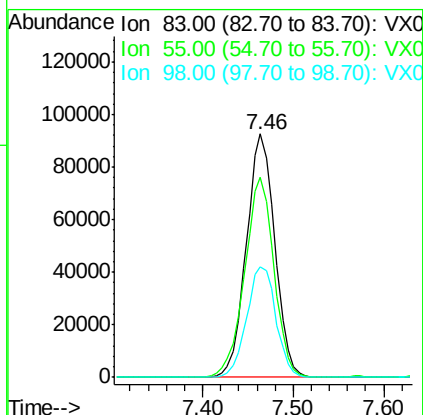
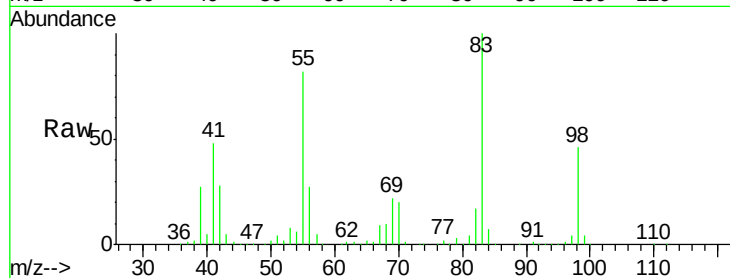




#39
Methylvlcyclohexane
Concen: 37.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003060.D
Acq: 30 Jun 2018 05:35

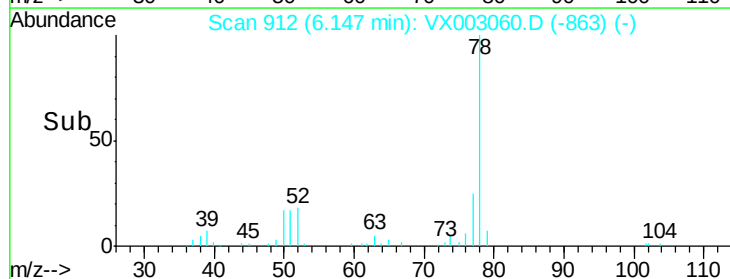
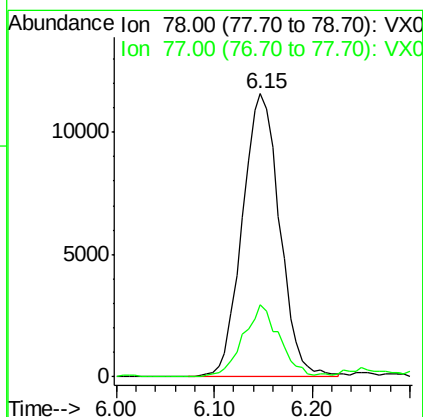
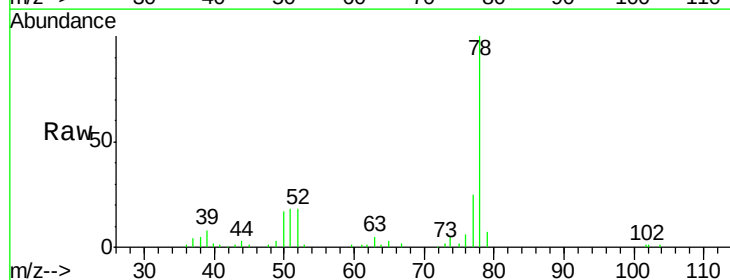
Instrument :
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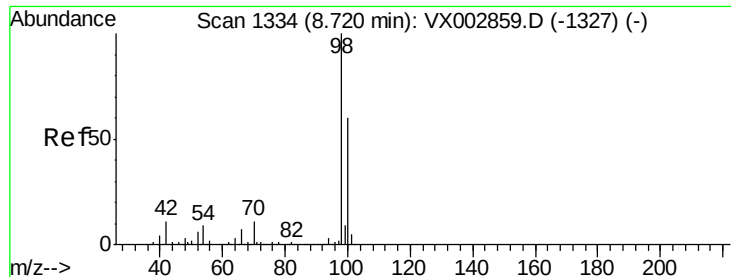
Tot Ion: 83 Resp: 201473
Ion Ratio Lower Upper
83 100
55 82.1 65.4 98.0
98 45.6 37.4 56.0



#40
Benzene
Concen: 2.29 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003060.D
Acq: 30 Jun 2018 05:35

Tgt Ion: 78 Resp: 30685
Ion Ratio Lower Upper
78 100
77 25.5 19.1 28.7

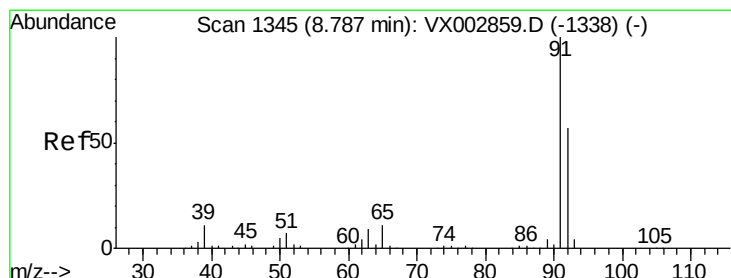
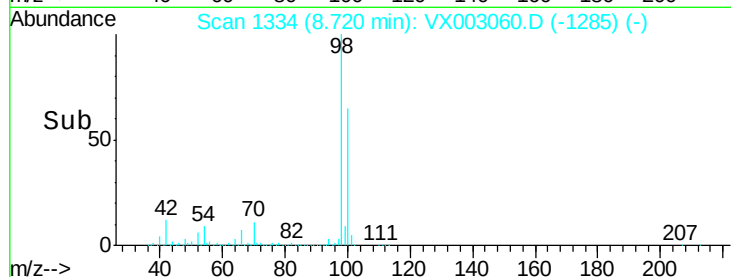
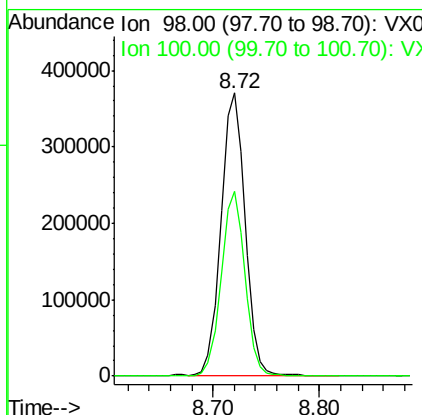
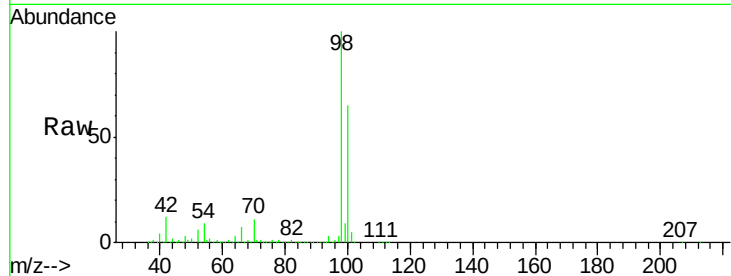




#50
Toluene-d8
Concen: 48.08 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003060.D
Acq: 30 Jun 2018 05:35

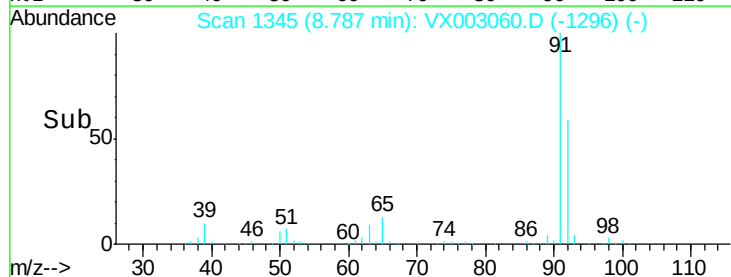
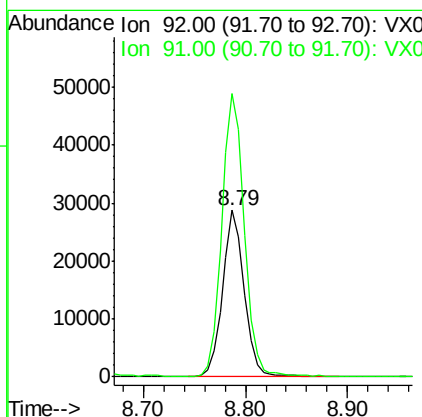
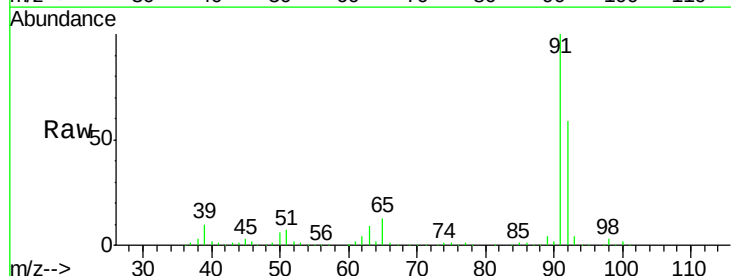
Instrument :
MSVOA_X
ClientSampleId :
S81-0099

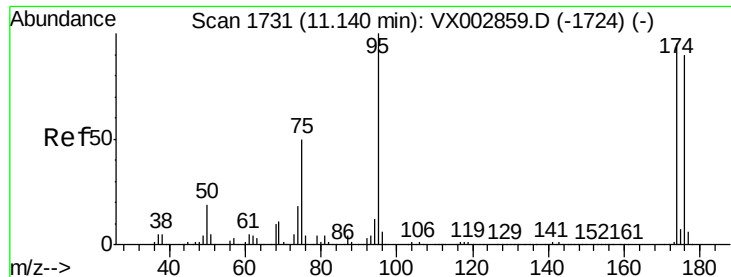
Tot Ion: 98 Resp: 585497
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3



#52
Toluene
Concen: 4.94 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003060.D
Acq: 30 Jun 2018 05:35

Tgt Ion: 92 Resp: 42486
Ion Ratio Lower Upper
92 100
91 176.6 140.4 210.6

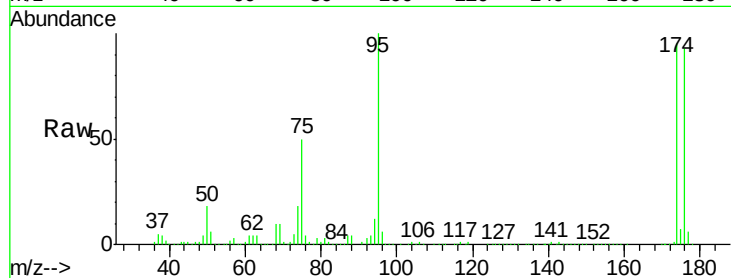




#62
4-Bromofluorobenzene
Concen: 46.61 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003060.D
Acq: 30 Jun 2018 05:35

Instrument :
MSVOA_X
ClientSampleId :
S81-0099

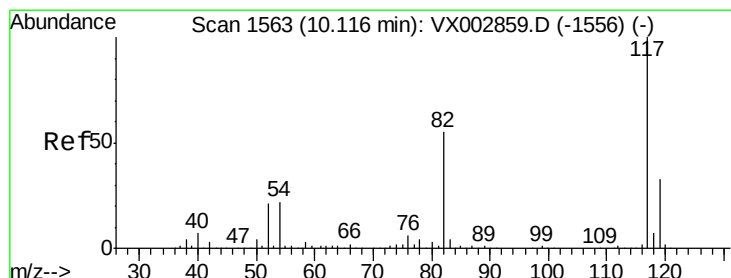
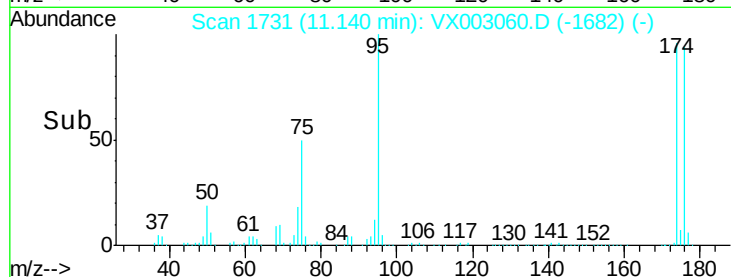
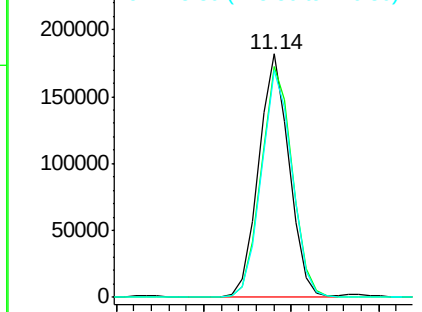
Tot Ion	95	Resp	218929
Ion	Ratio	Lower	Upper
95	100		
174	97.3	0.0	187.4
176	94.7	0.0	181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

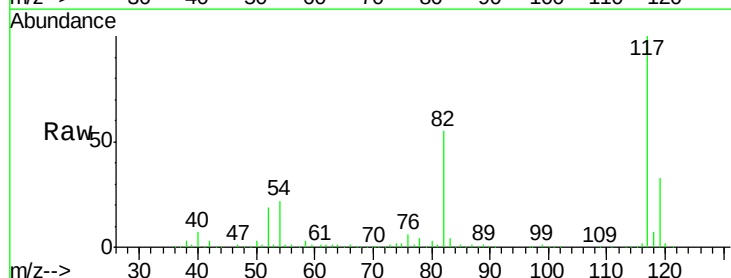
Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003060.D
Acq: 30 Jun 2018 05:35

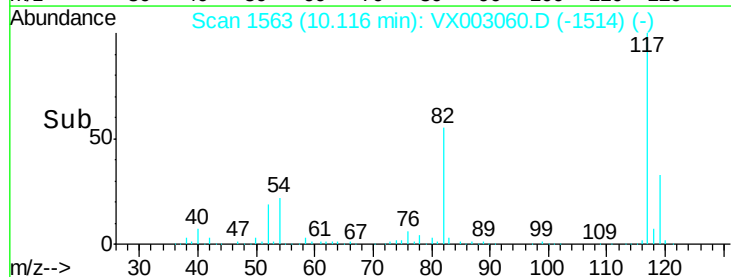
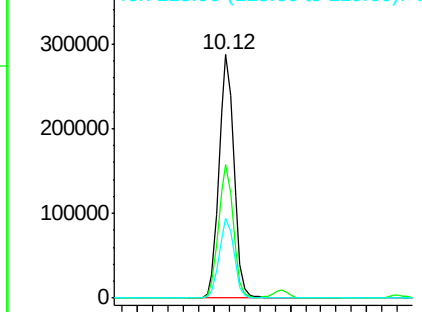
Tgt Ion	117	Resp	387540
Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.0	67.4
119	32.8	25.8	38.6

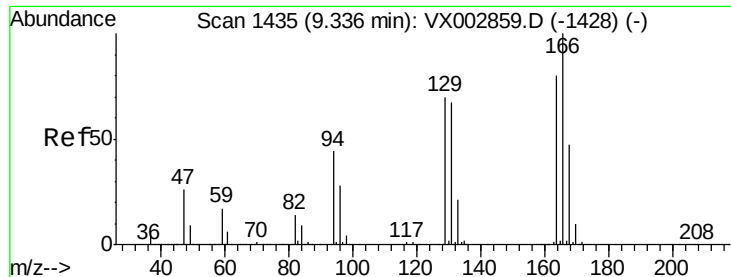


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

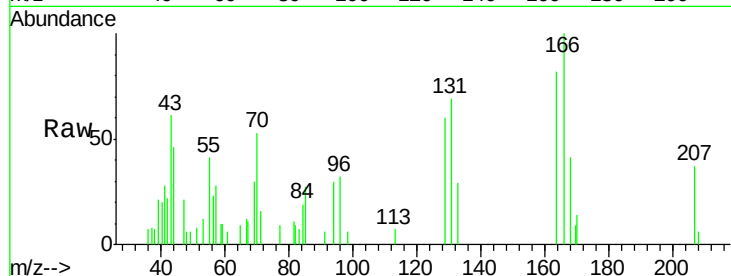




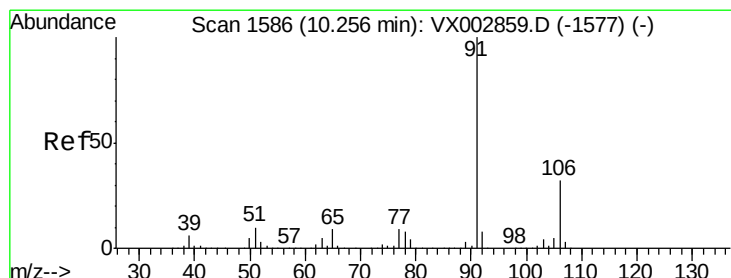
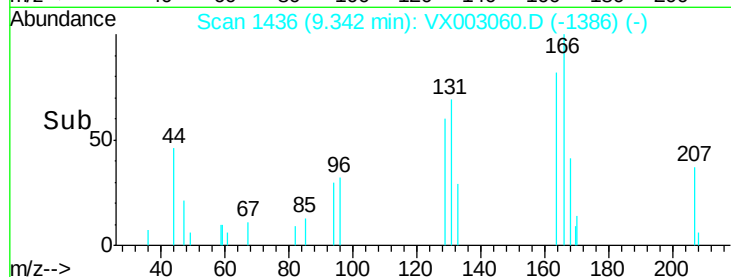
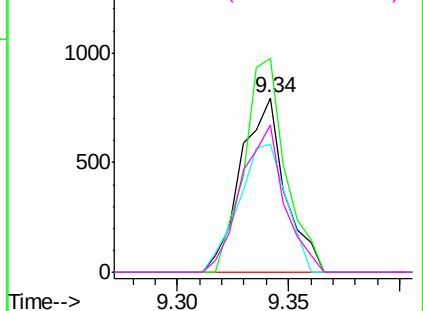
#64
 Tetrachloroethene
 Concen: 0.26 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.01 min
 Lab File: VX003060.D
 Acq: 30 Jun 2018 05:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0099

Tot Ion:	164	Resp:	1103
Ion	Ratio	Lower	Upper
164	100		
166	122.4	102.9	154.3
129	73.4	68.6	102.8
131	84.4	66.8	100.2

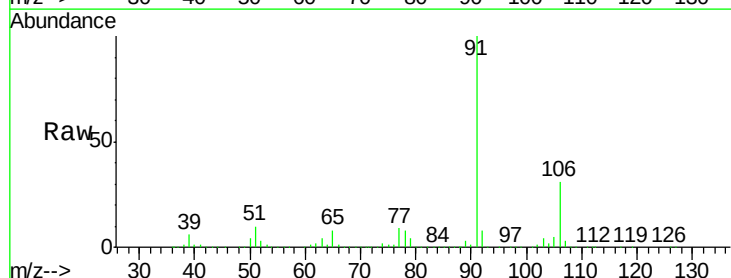


Abundance Ion 163.80 (163.50 to 164.50): V
 Ion 165.80 (165.50 to 166.50): V
 Ion 128.80 (128.50 to 129.50): V
 Ion 130.80 (130.50 to 131.50): V

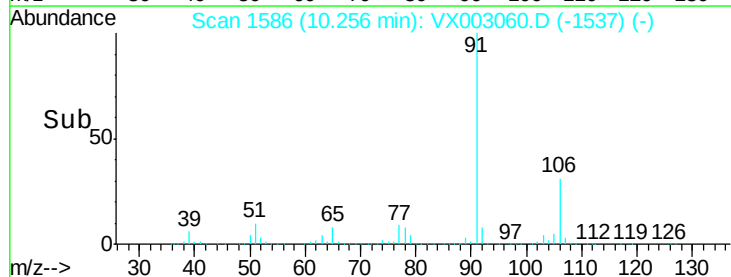
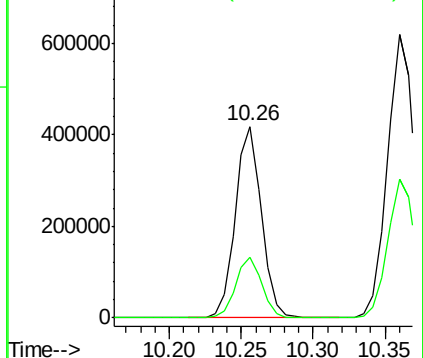


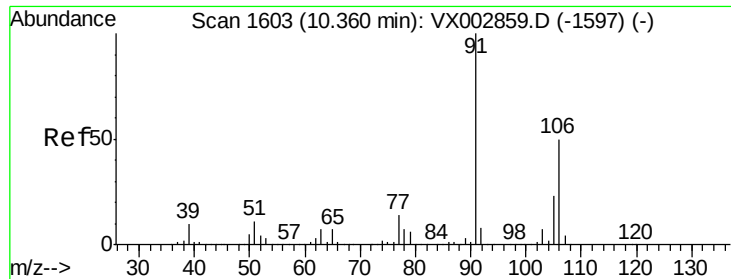
#67
 Ethyl Benzene
 Concen: 32.57 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX003060.D
 Acq: 30 Jun 2018 05:35

Tgt Ion:	91	Resp:	529600
Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.5	38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 106.00 (105.70 to 106.70): V

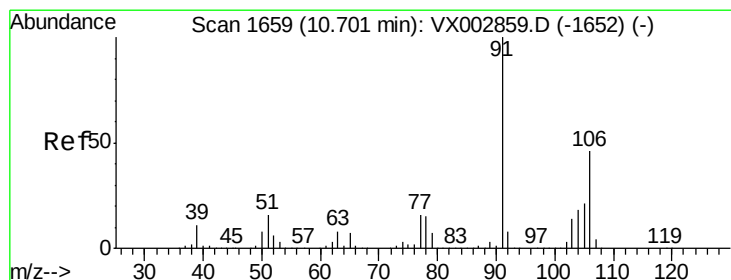
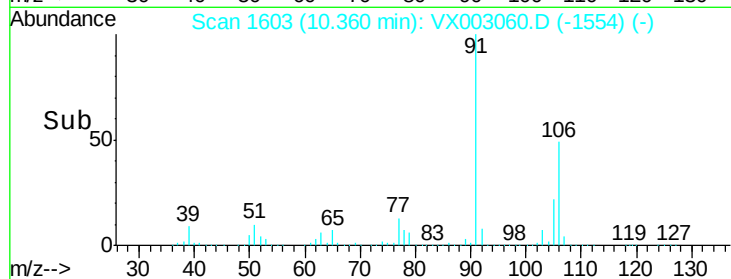
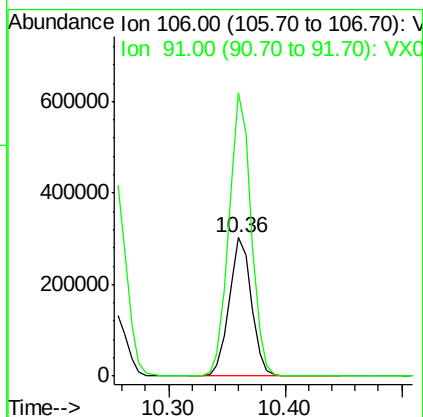
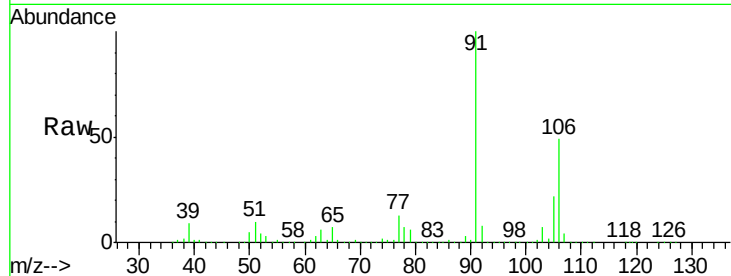




#68
m/p-Xylenes
Concen: 64.24 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003060.D
Acq: 30 Jun 2018 05:35

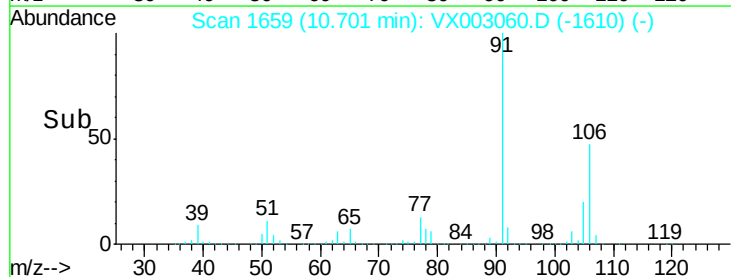
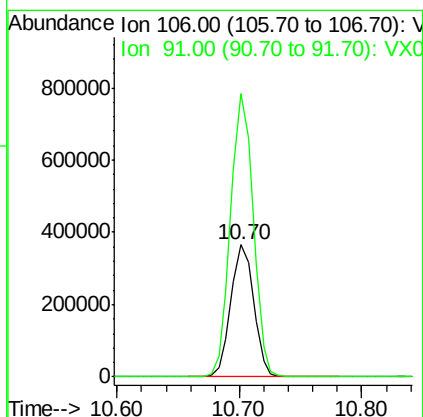
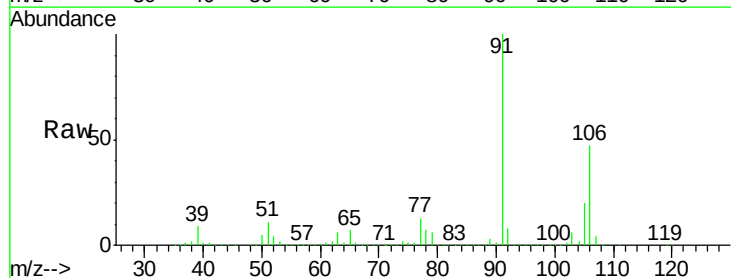
Instrument :
MSVOA_X
ClientSampled :
S81-0099

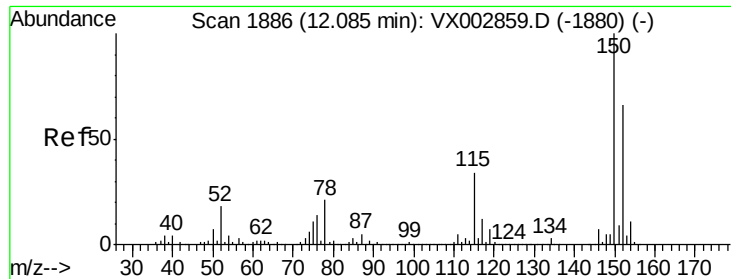
Tot Ion:106 Resp: 402608
Ion Ratio Lower Upper
106 100
91 203.5 163.4 245.2



#69
o-Xylene
Concen: 77.02 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003060.D
Acq: 30 Jun 2018 05:35

Tgt Ion:106 Resp: 469971
Ion Ratio Lower Upper
106 100
91 213.1 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

Instrument :

MSVOA_X

ClientSampleId :

S81-0099

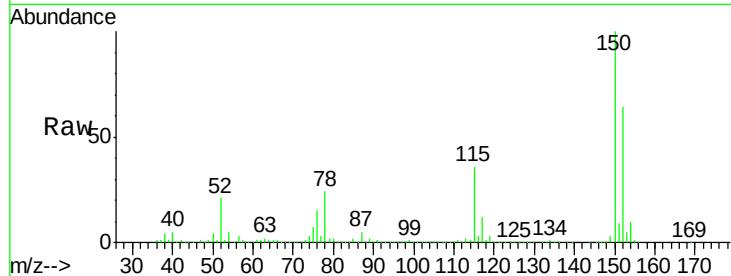
Tot Ion:152 Resp: 236025

Ion Ratio Lower Upper

152 100

115 54.5 40.1 120.2

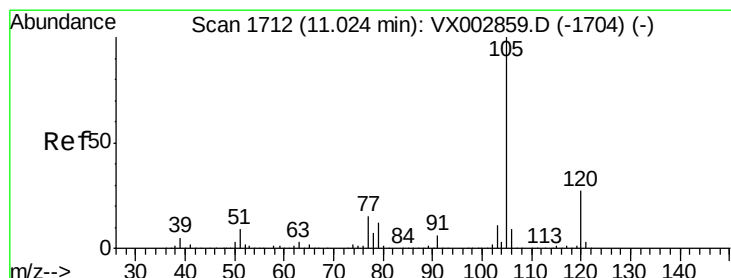
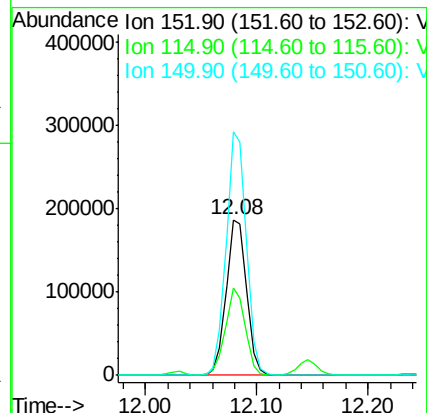
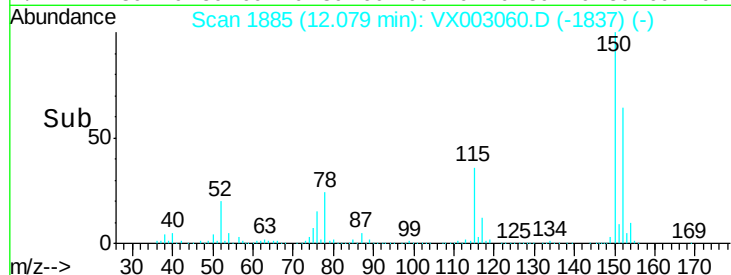
150 154.9 0.0 347.2



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: 3.62 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003060.D

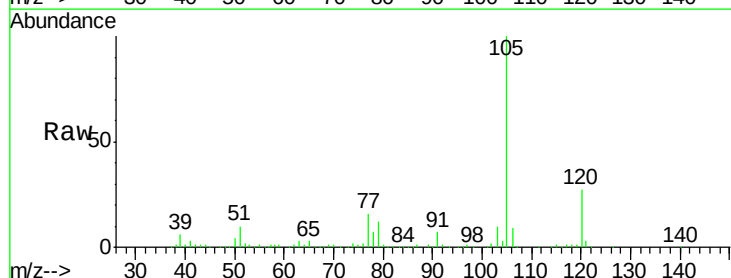
Acq: 30 Jun 2018 05:35

Tgt Ion:105 Resp: 57474

Ion Ratio Lower Upper

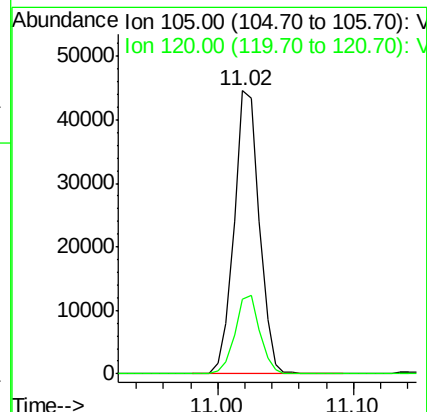
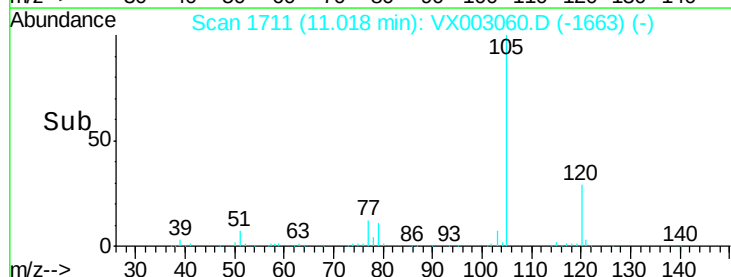
105 100

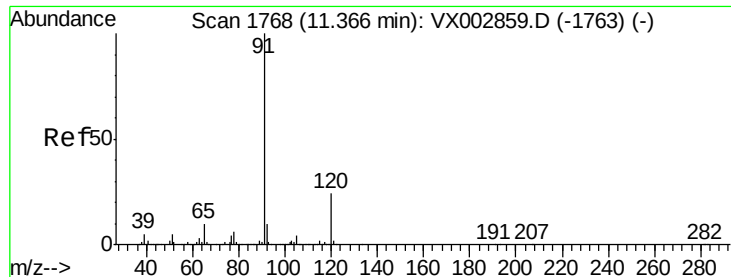
120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.30 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

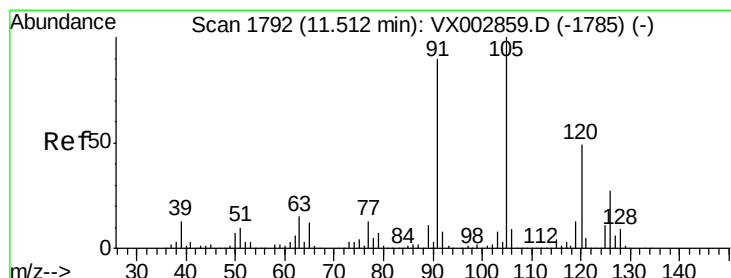
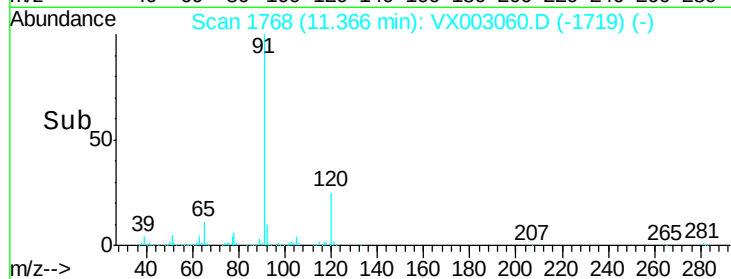
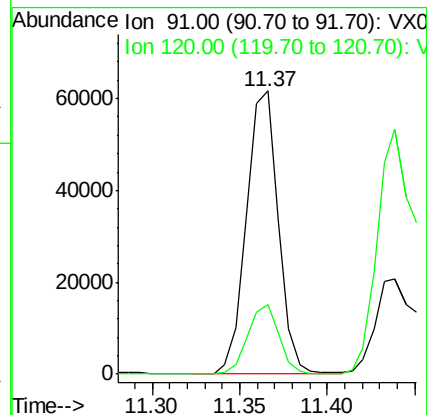
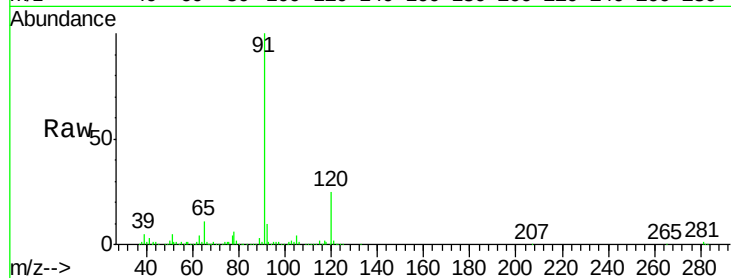
S81-0099

Tot Ion: 91 Resp: 77738

Ion Ratio Lower Upper

91 100

120 24.0 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 9.25 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003060.D

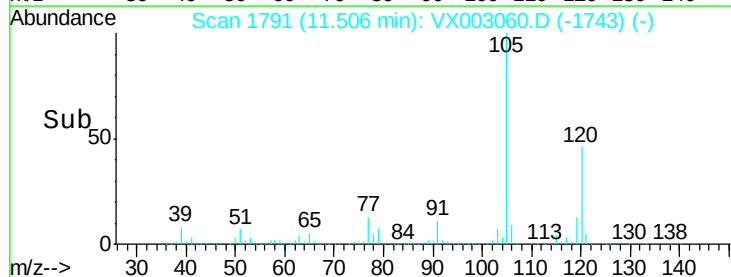
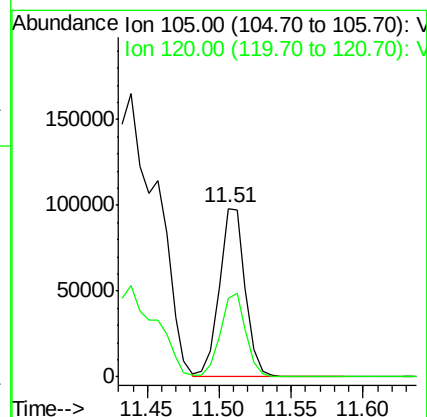
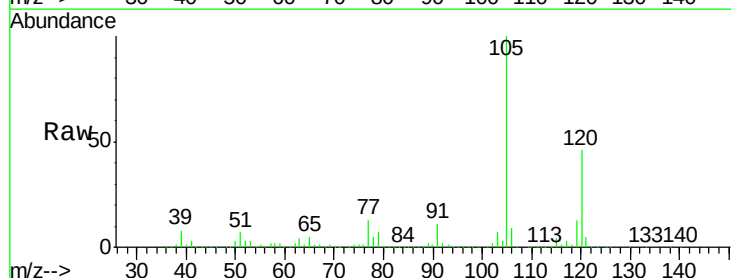
Acq: 30 Jun 2018 05:35

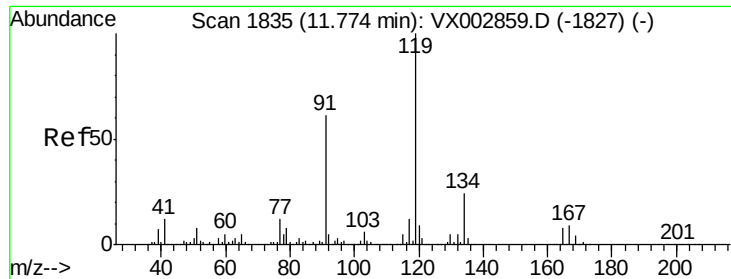
Tgt Ion: 105 Resp: 123730

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.4

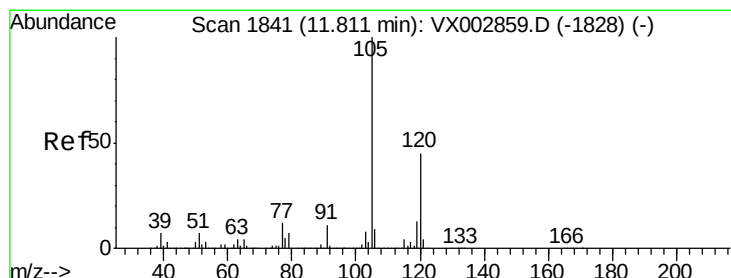
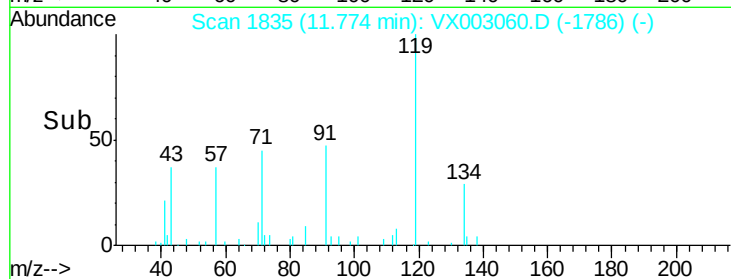
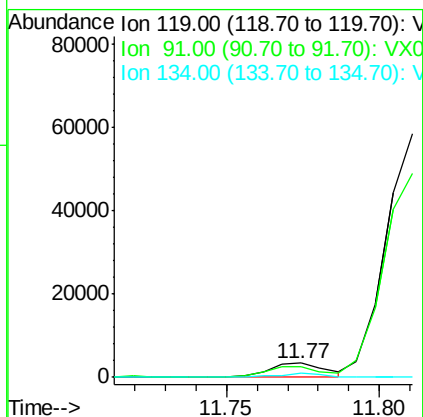
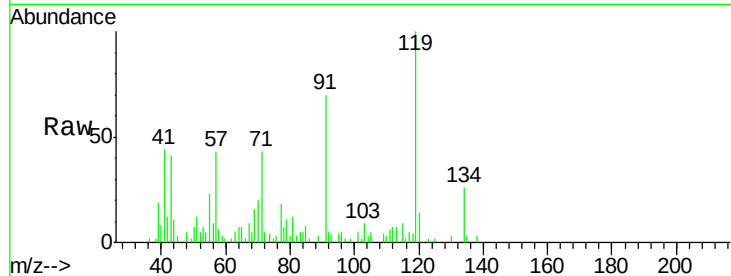




#83
 tert-Butylbenzene
 Concen: 0.33 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003060.D
 Acq: 30 Jun 2018 05:35

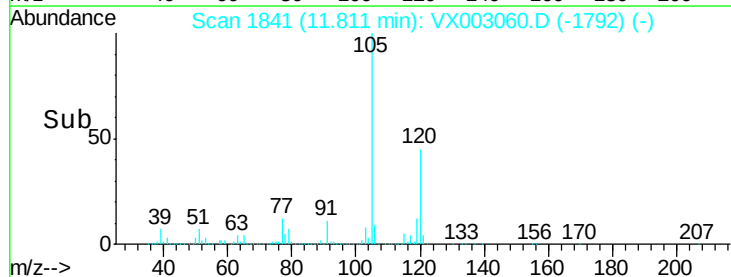
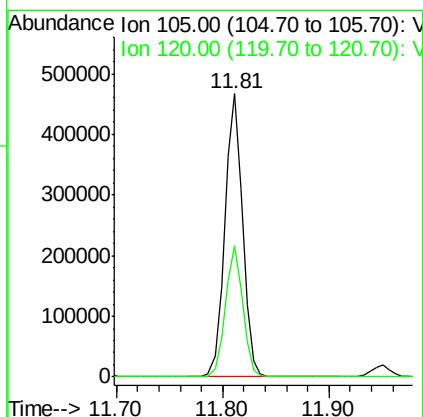
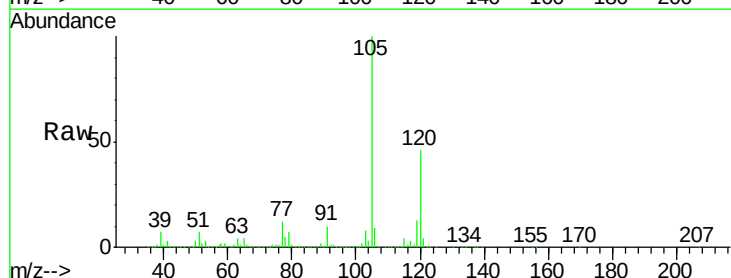
Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0099

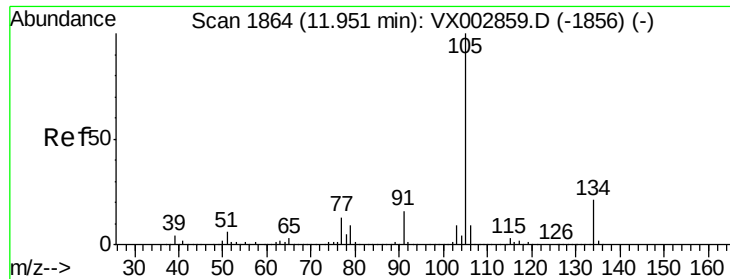
Tot Ion:119 Resp: 4308
 Ion Ratio Lower Upper
 119 100
 91 69.5 30.3 90.9
 134 25.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 39.09 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003060.D
 Acq: 30 Jun 2018 05:35

Tgt Ion:105 Resp: 541650
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.3 66.8





#85

sec-Butylbenzene

Concen: 1.43 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

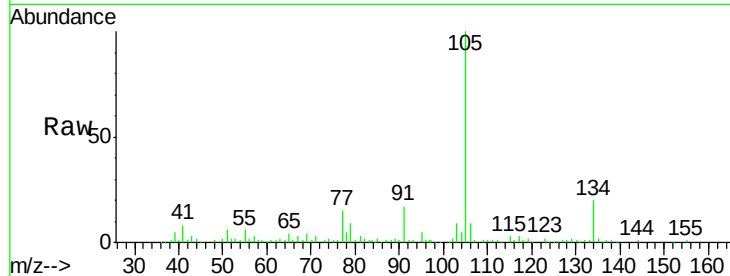
S81-0099

Tot Ion:105 Resp: 22912

Ion Ratio Lower Upper

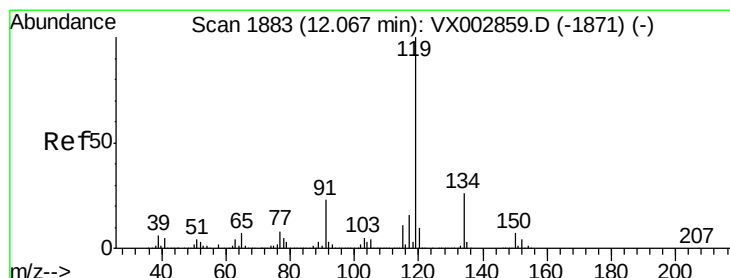
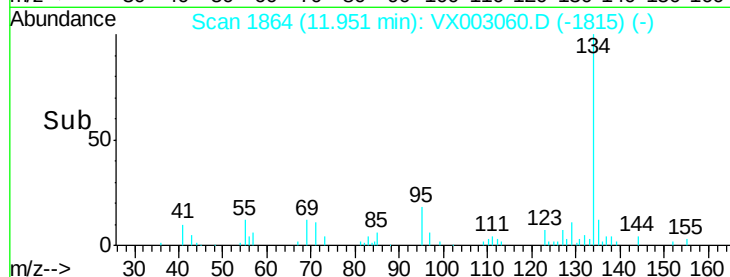
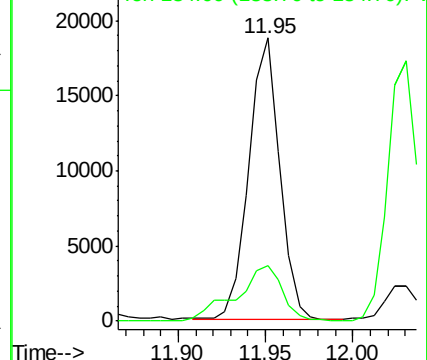
105 100

134 29.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.01 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

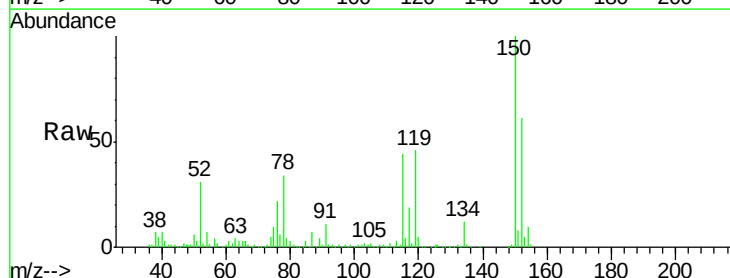
Tgt Ion:119 Resp: 28852

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.1

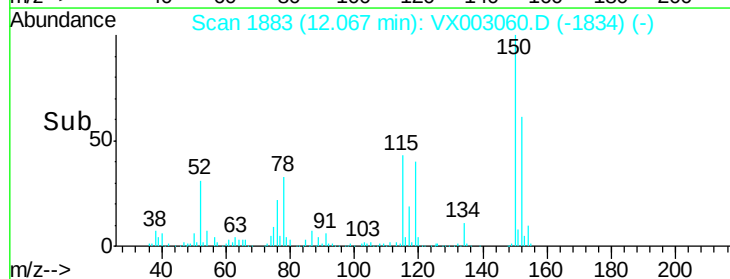
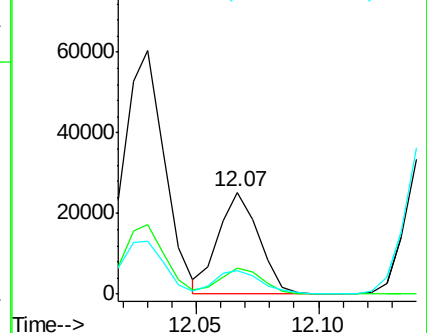
91 25.4 11.9 35.7

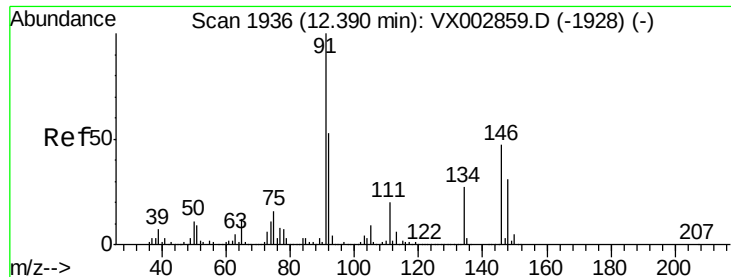


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 1.86 ug/l

RT: 12.38 min Scan# 1934

Delta R.T. -0.01 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

S81-0099

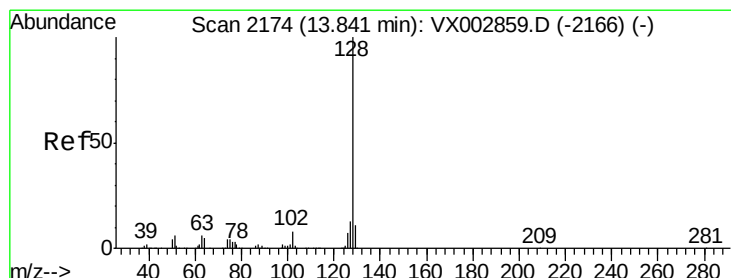
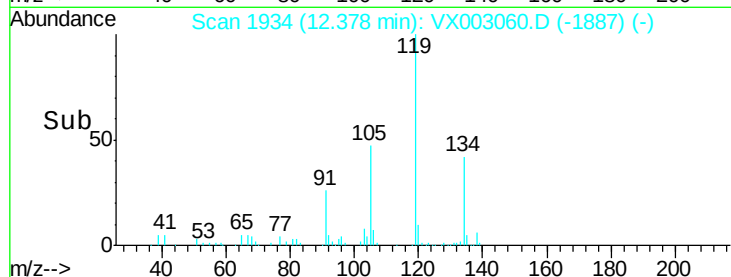
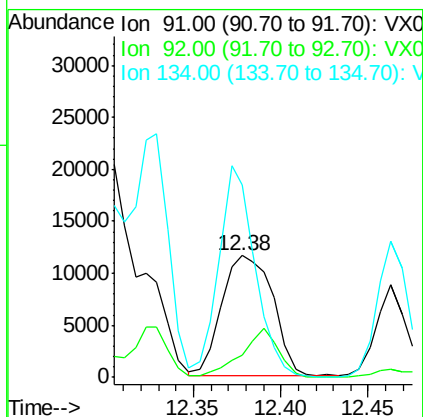
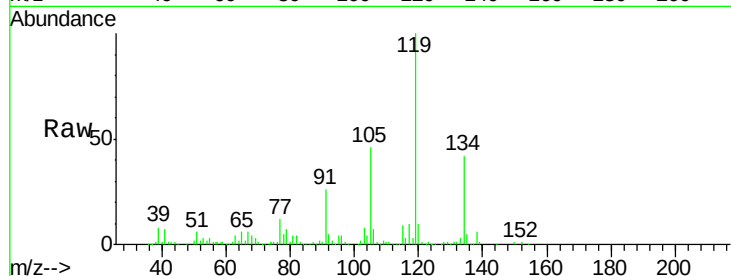
Tot Ion: 91 Resp: 23282

Ion Ratio Lower Upper

91 100

92 30.0 26.0 78.0

134 126.2 13.5 40.5#



#95

Naphthalene

Concen: 7.80 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003060.D

Acq: 30 Jun 2018 05:35

Tgt Ion: 128 Resp: 126052

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 13.5 8.6 13.0#

