

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004596.D
 Acq On : 15 Sep 2018 20:27
 Operator : JC/MD
 Sample : J4936-42
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 26KV

Quant Time: Sep 17 09:05:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	255003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380007	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207933	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	157983	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
35) Dibromofluoromethane	5.50	113	154678	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	
50) Toluene-d8	8.71	98	530045	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
62) 4-Bromofluorobenzene	11.14	95	194581	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

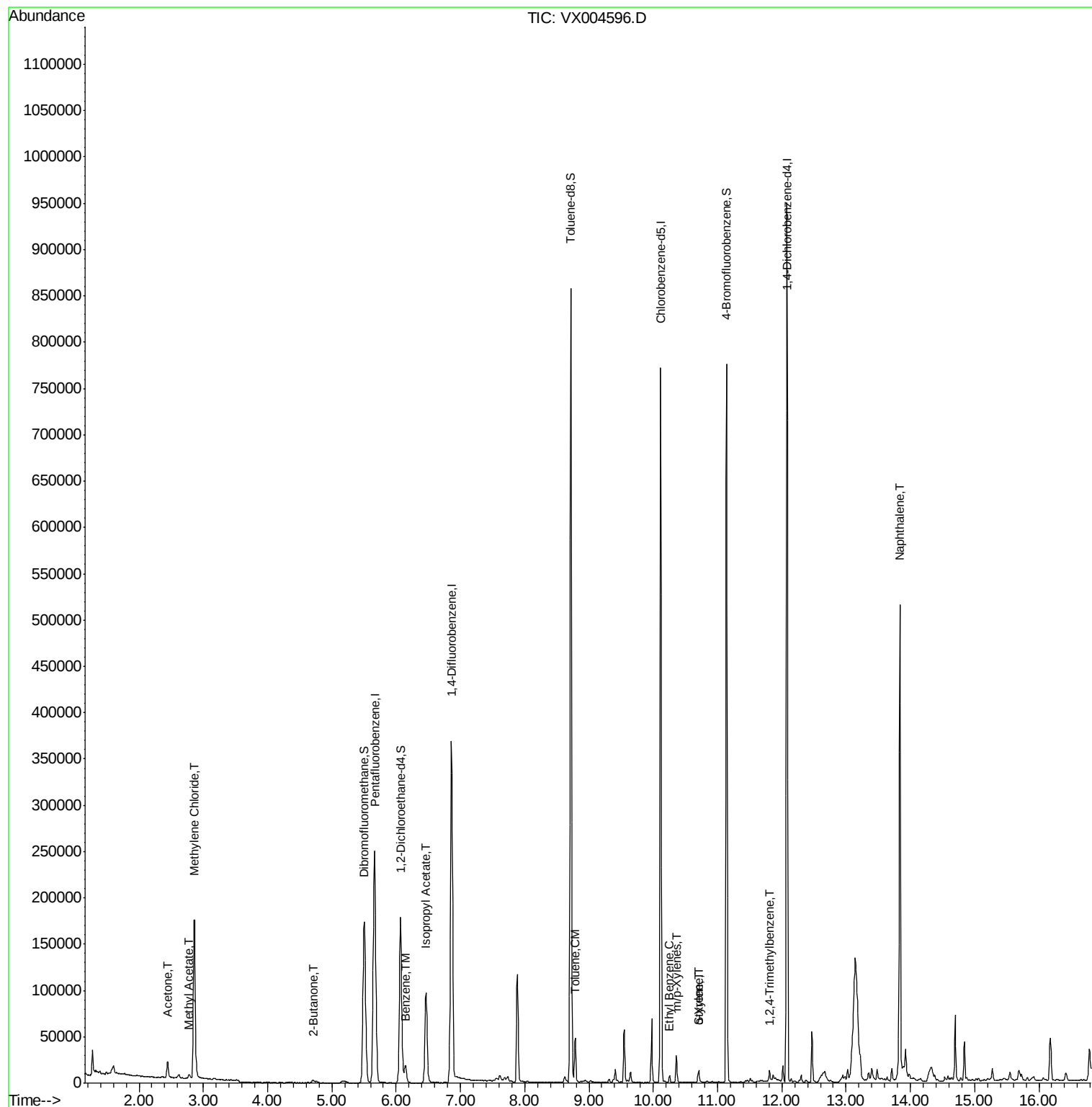
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	17508	10.91	ug/l	97
18) Methyl Acetate	2.77	43	5431	1.21	ug/l	97
20) Methylene Chloride	2.86	84	86722	26.34	ug/l	96
25) 2-Butanone	4.71	43	5122	2.01	ug/l	94
40) Benzene	6.14	78	21683	1.58	ug/l #	90
43) Isopropyl Acetate	6.46	43	127468	18.29	ug/l	99
52) Toluene	8.79	92	16897	2.10	ug/l	95
67) Ethyl Benzene	10.26	91	4543	0.31	ug/l	91
68) m/p-Xylenes	10.36	106	6593	1.17	ug/l	96
69) o-Xylene	10.70	106	2124	0.39	ug/l	95
70) Styrene	10.71	104	3058	0.34	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	4744	0.40	ug/l	95
95) Naphthalene	13.83	128	336293	23.69	ug/l	99

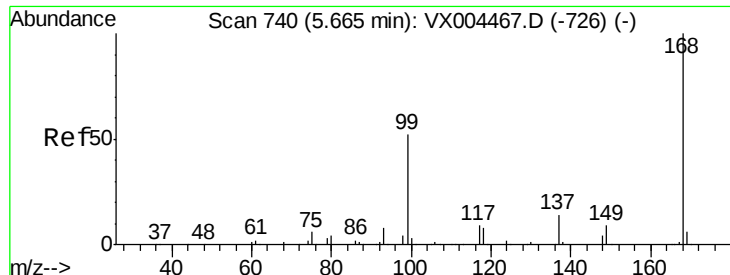
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004596.D

Acq: 15 Sep 2018 20:27

Instrument :

MSVOA_X

ClientSampleId :

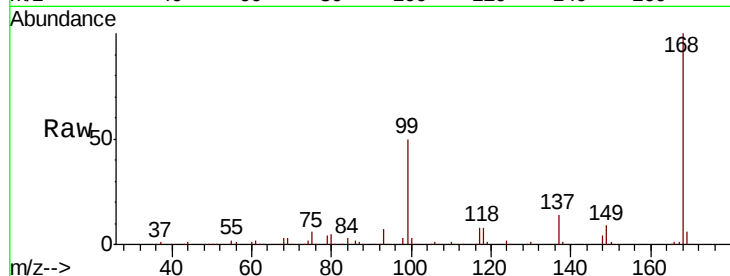
26kV

Tot Ion:168 Resp: 255003

Ion Ratio Lower Upper

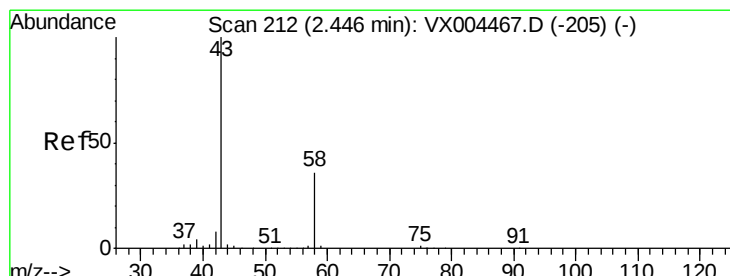
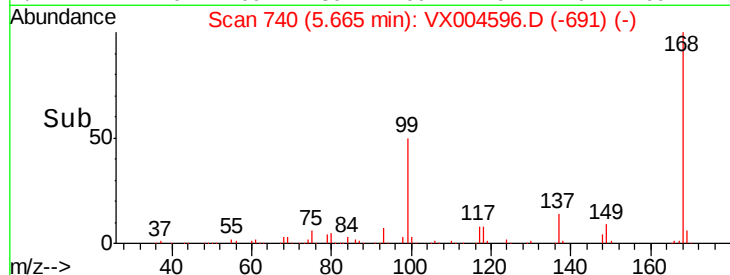
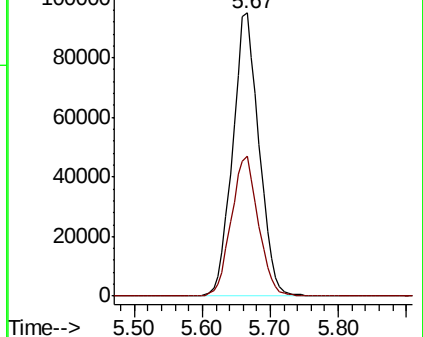
168 100

99 49.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 10.91 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004596.D

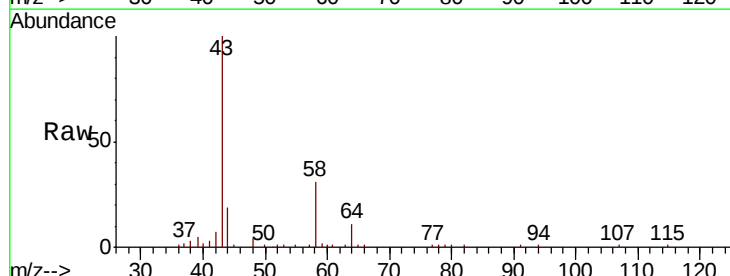
Acq: 15 Sep 2018 20:27

Tgt Ion: 43 Resp: 17508

Ion Ratio Lower Upper

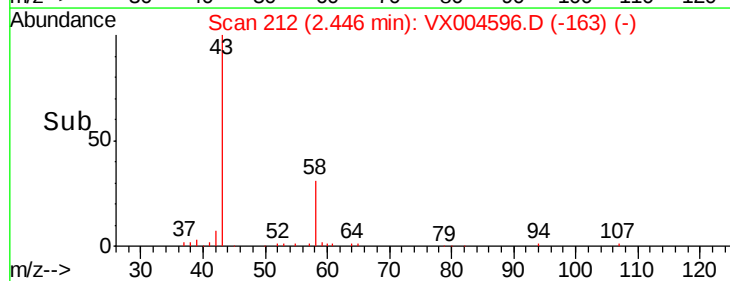
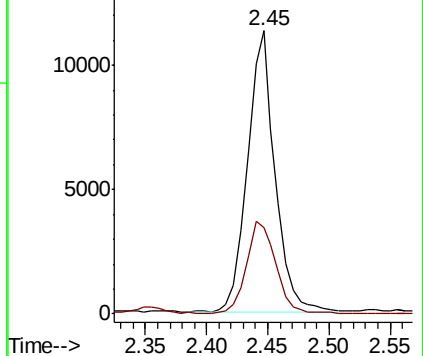
43 100

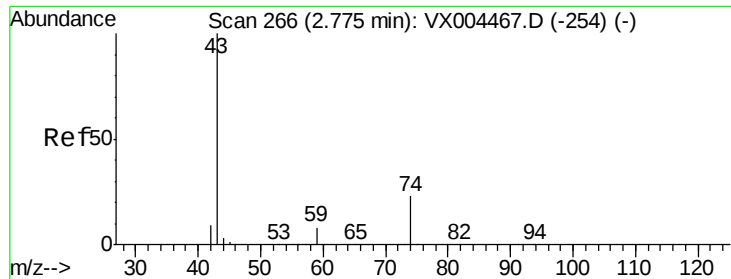
58 30.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

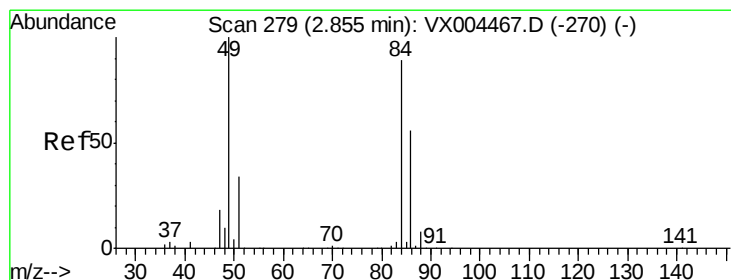
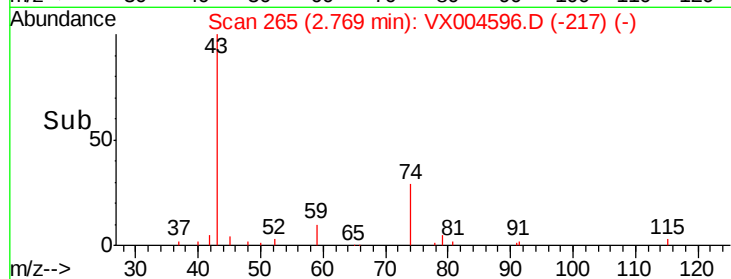
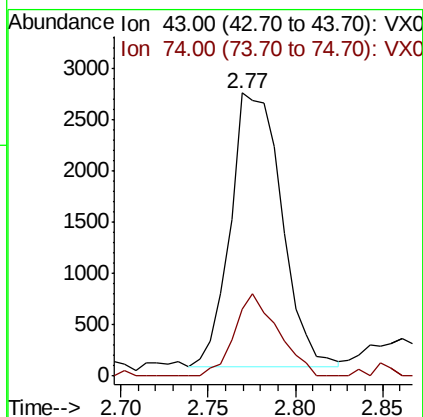
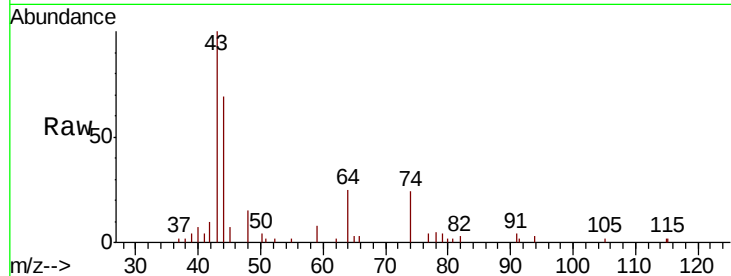




#18
Methyl Acetate
Concen: 1.21 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX004596.D
Acq: 15 Sep 2018 20:27

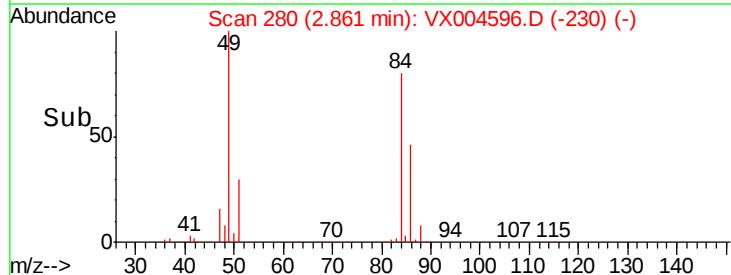
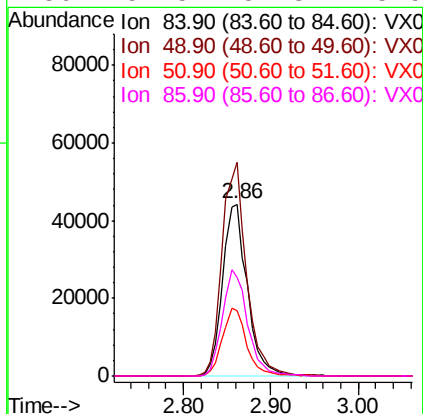
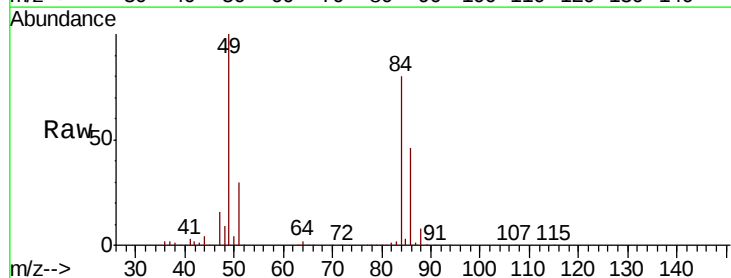
Instrument :
MSVOA_X
ClientSampled :
26kV

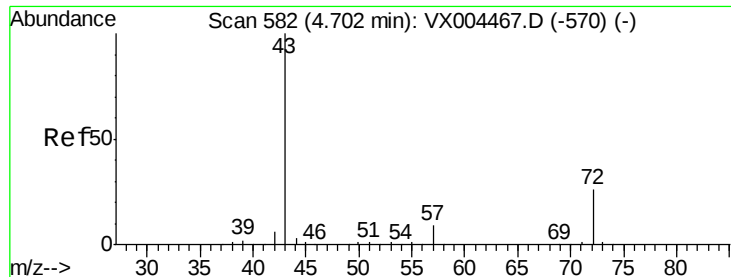
Tot Ion: 43 Resp: 5431
Ion Ratio Lower Upper
43 100
74 25.8 19.4 29.2



#20
Methylene Chloride
Concen: 26.34 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004596.D
Acq: 15 Sep 2018 20:27

Tgt Ion: 84 Resp: 86722
Ion Ratio Lower Upper
84 100
49 124.2 101.2 151.8
51 37.6 29.5 44.3
86 57.5 52.3 78.5





#25

2-Butanone

Concen: 2.01 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX004596.D

Acq: 15 Sep 2018 20:27

Instrument :

MSVOA_X

ClientSampled :

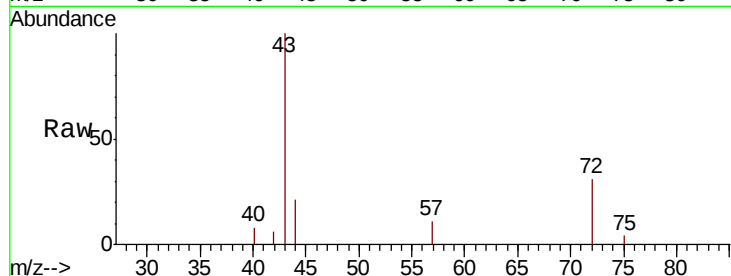
26kV

Tot Ion: 43 Resp: 5122

Ion Ratio Lower Upper

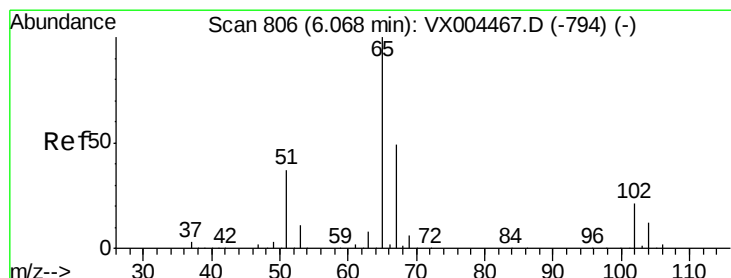
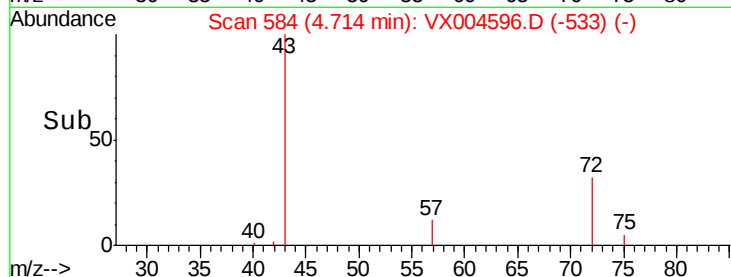
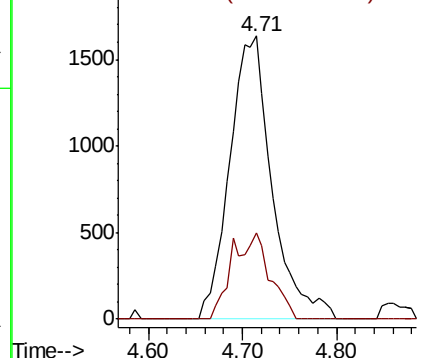
43 100

72 30.7 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.05 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004596.D

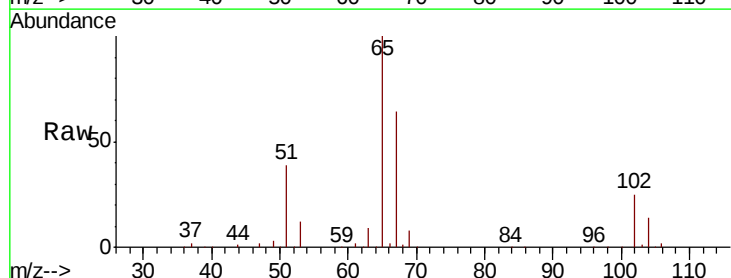
Acq: 15 Sep 2018 20:27

Tgt Ion: 65 Resp: 157983

Ion Ratio Lower Upper

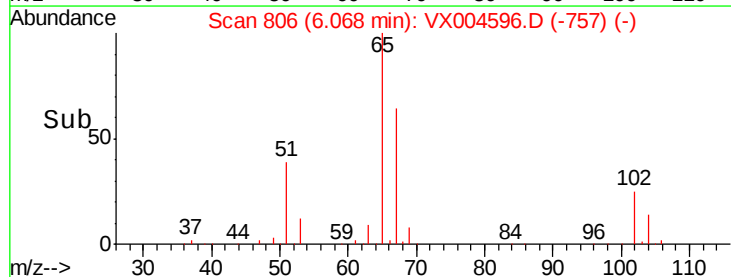
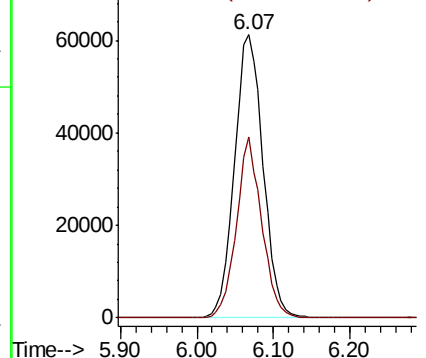
65 100

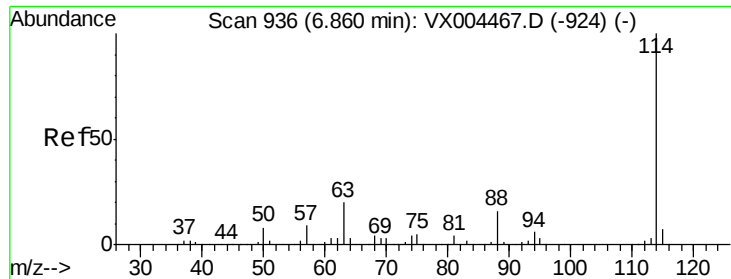
67 56.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

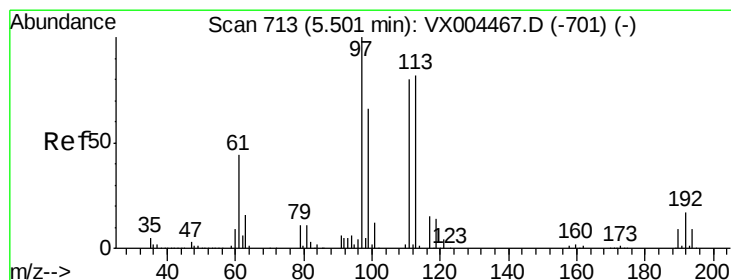
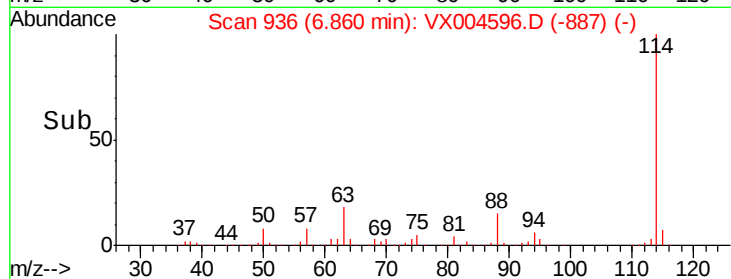
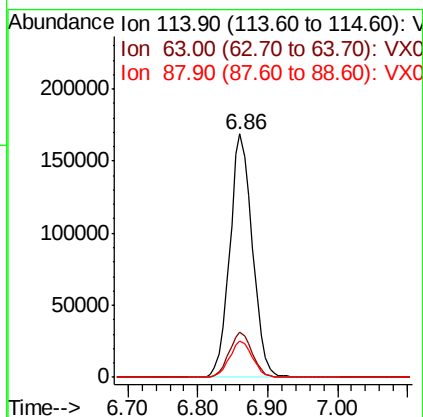
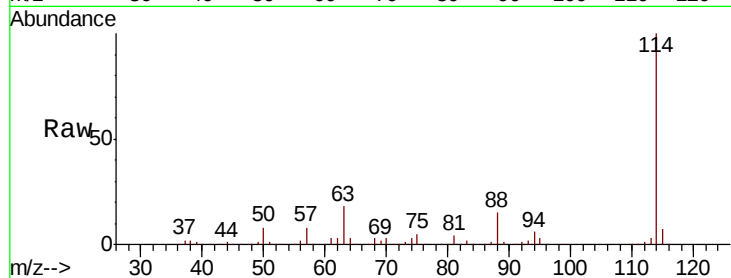




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004596.D
 Acq: 15 Sep 2018 20:27

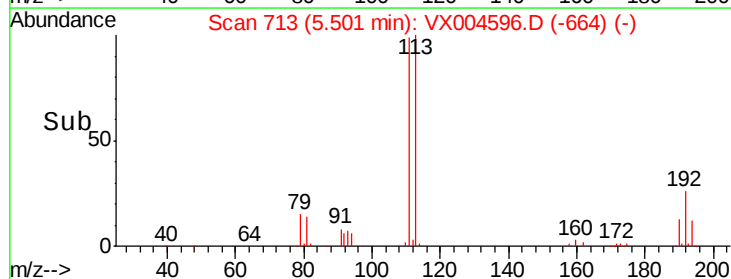
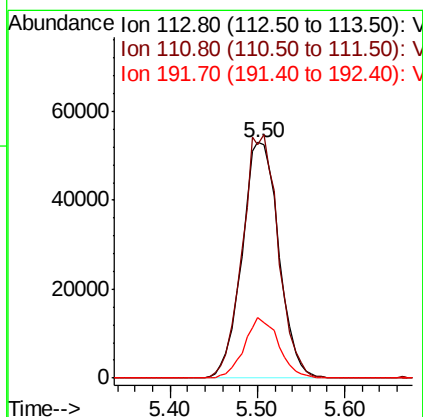
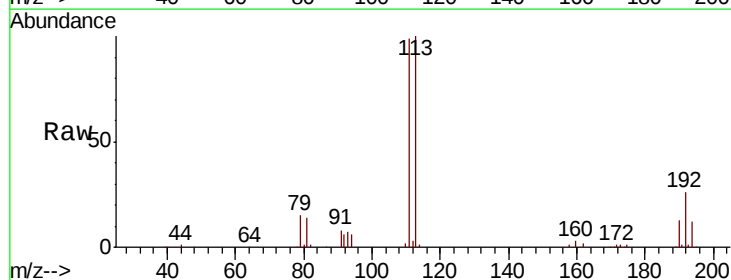
Instrument :
 MSVOA_X
 ClientSampleId :
 26KV

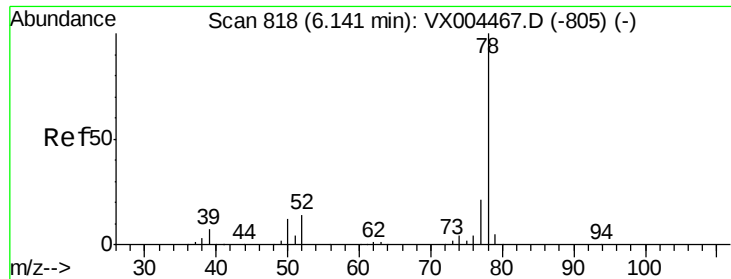
Tot Ion:114 Resp: 380007
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.0
 88 15.1 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 44.48 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004596.D
 Acq: 15 Sep 2018 20:27

Tgt Ion:113 Resp: 154678
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.4 123.6
 192 24.0 19.4 29.2





#40

Benzene

Concen: 1.58 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX004596.D

Acq: 15 Sep 2018 20:27

Instrument :

MSVOA_X

ClientSampleId :

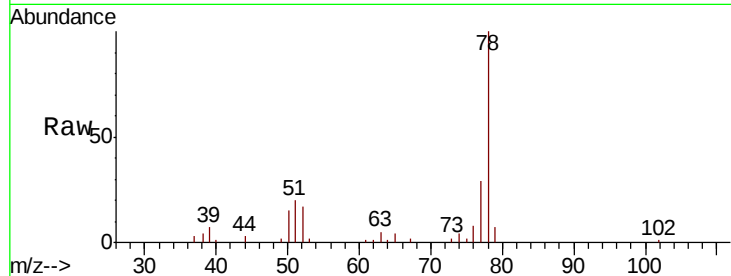
26kV

Tot Ion: 78 Resp: 21683

Ion Ratio Lower Upper

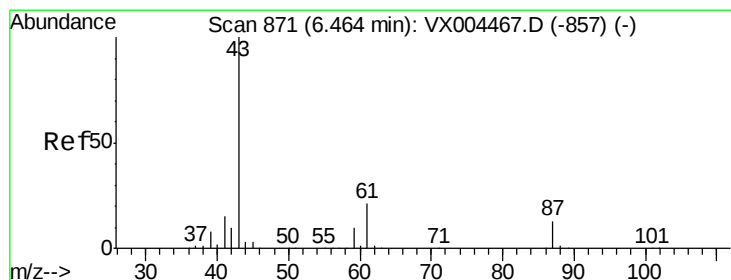
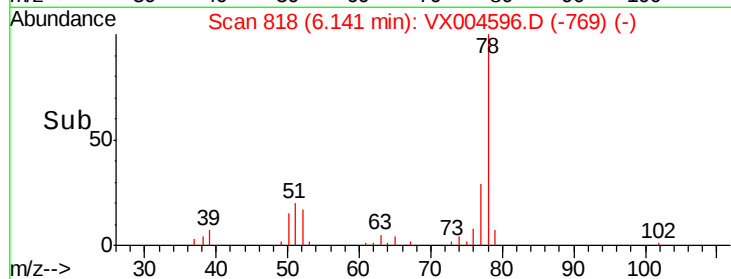
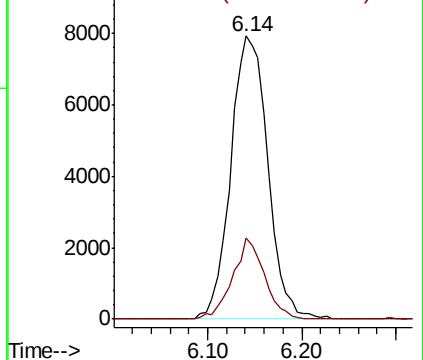
78 100

77 28.8 19.0 28.4#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#43

Isopropyl Acetate

Concen: 18.29 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004596.D

Acq: 15 Sep 2018 20:27

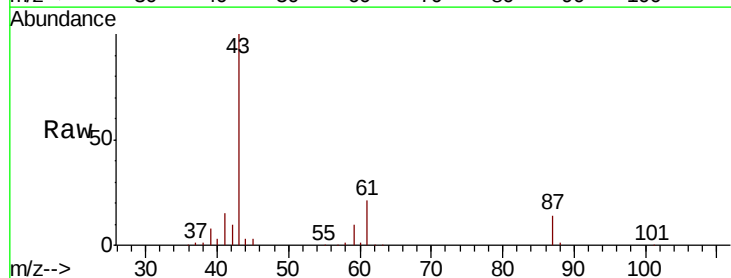
Tgt Ion: 43 Resp: 127468

Ion Ratio Lower Upper

43 100

61 20.8 17.0 25.4

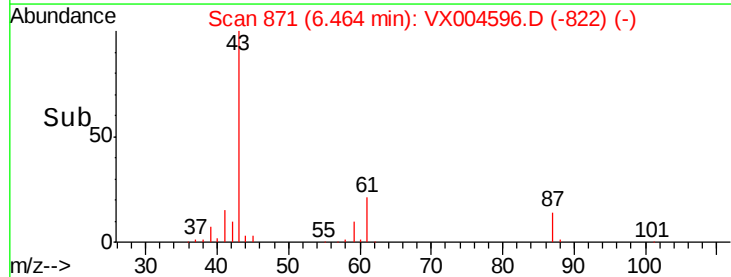
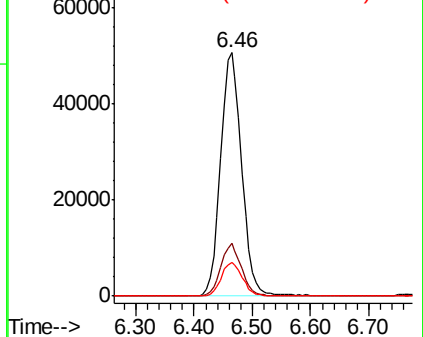
87 13.8 11.4 17.2

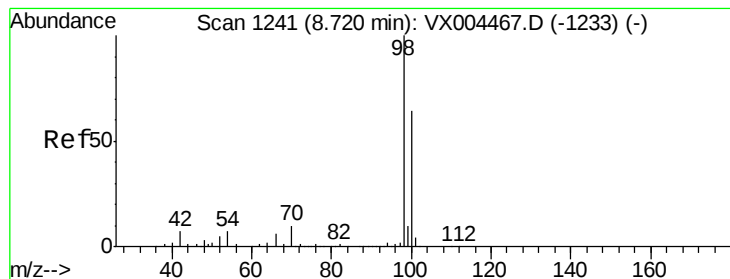


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 45.45 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004596.D

Acq: 15 Sep 2018 20:27

Instrument :

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ClientSampleId :

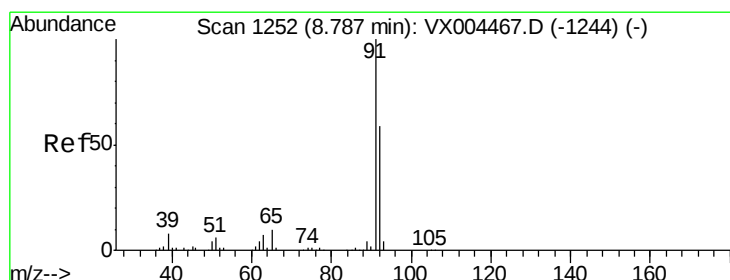
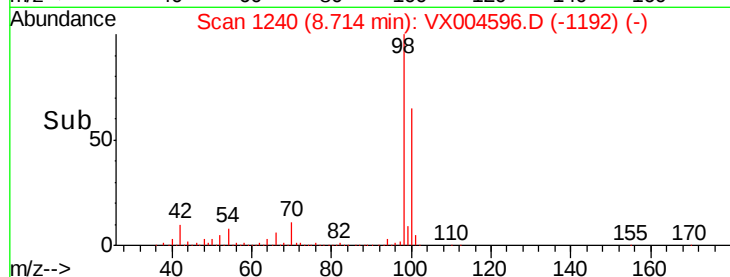
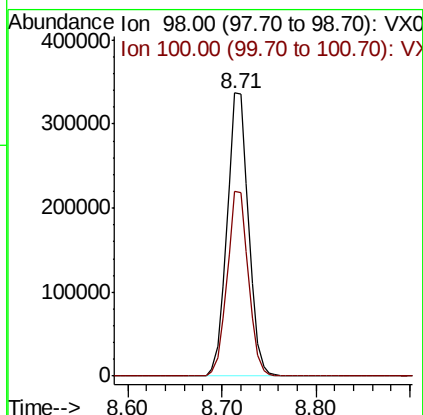
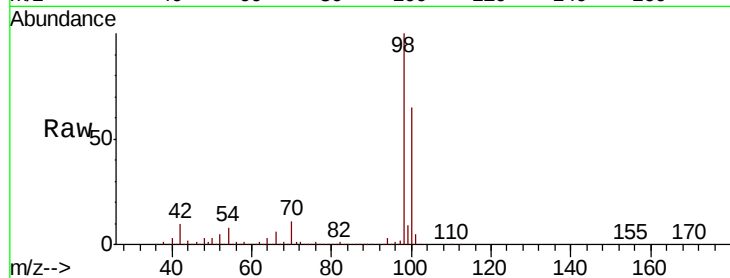
26kV

Tot Ion: 98 Resp: 530045

Ion Ratio Lower Upper

98 100

100 64.6 52.9 79.3



#52

Toluene

Concen: 2.10 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004596.D

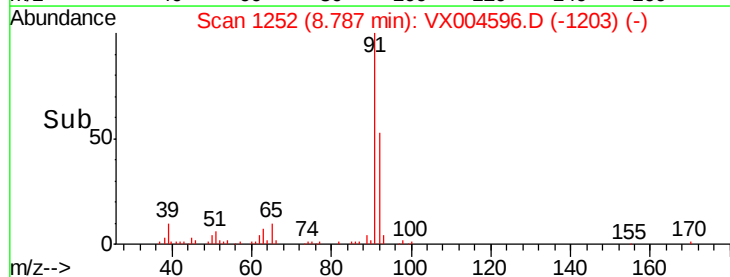
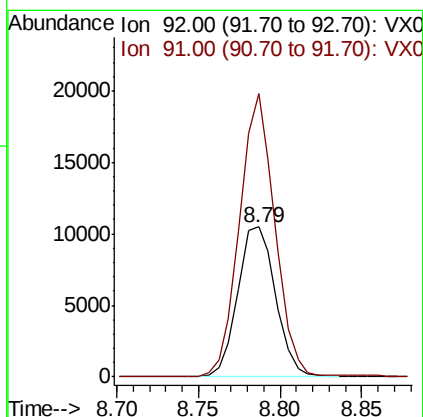
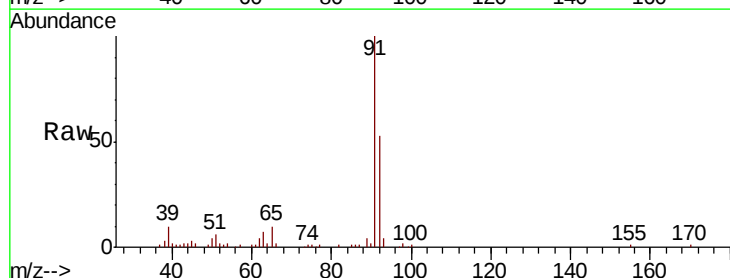
Acq: 15 Sep 2018 20:27

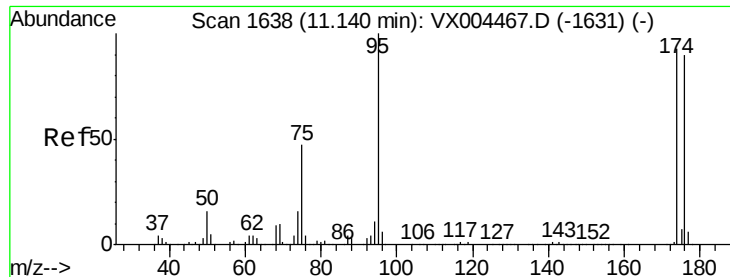
Tgt Ion: 92 Resp: 16897

Ion Ratio Lower Upper

92 100

91 177.7 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 46.74 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004596.D

Acq: 15 Sep 2018 20:27

Instrument :

MSVOA_X

ClientSampleId :

26kV

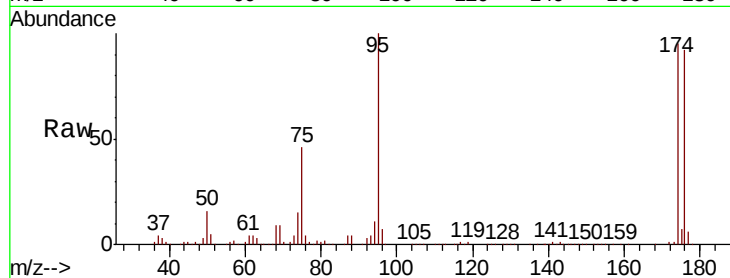
Tot Ion: 95 Resp: 194581

Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

176 90.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

50000

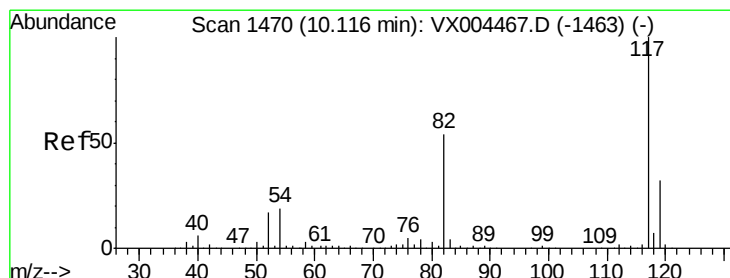
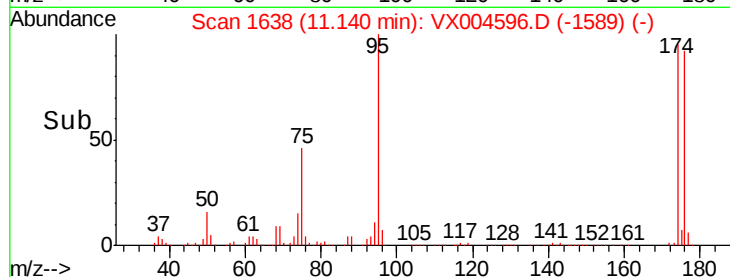
0

11.14

11.10

11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004596.D

Acq: 15 Sep 2018 20:27

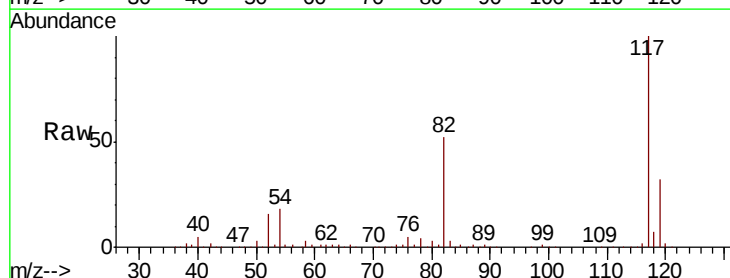
Tgt Ion: 117 Resp: 361975

Ion Ratio Lower Upper

117 100

82 52.3 47.8 71.6

119 31.9 29.3 43.9



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

300000

200000

100000

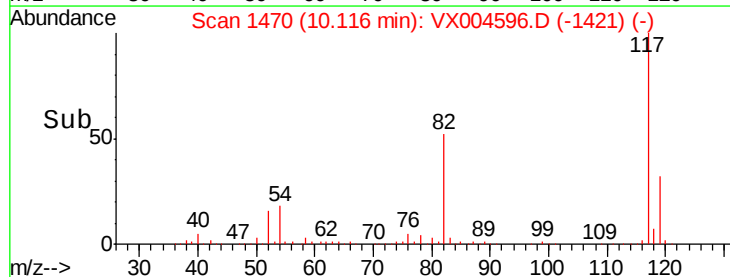
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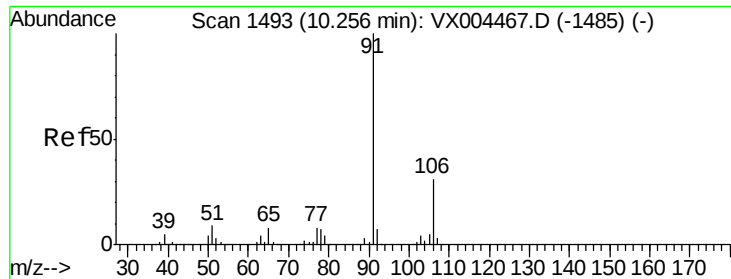
10.12

10.10

10.20

Time-->

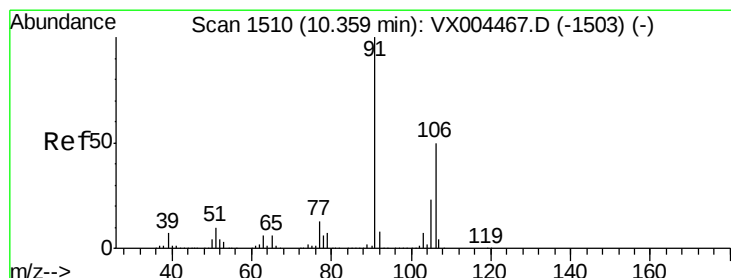
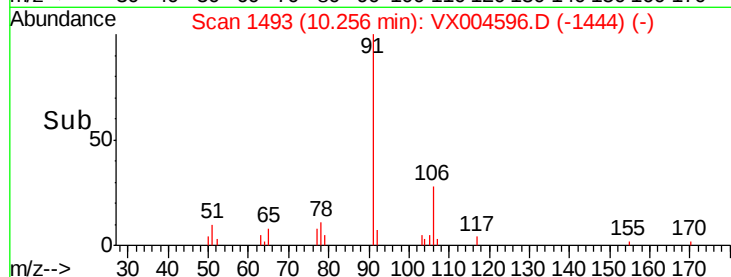
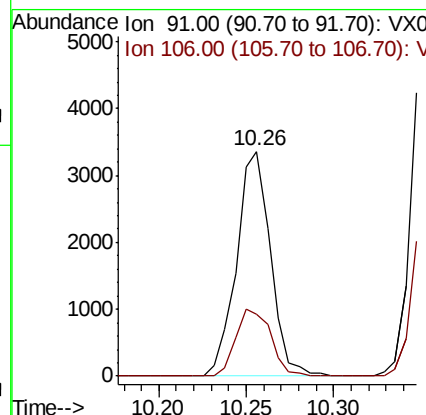
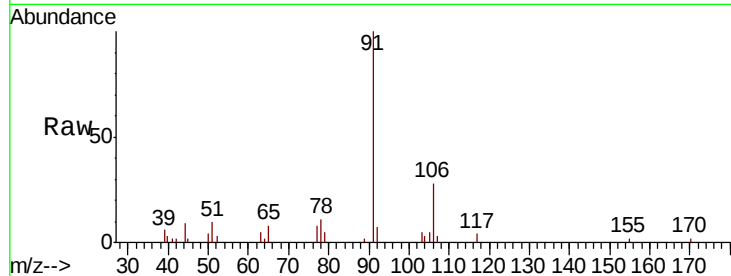




#67
Ethyl Benzene
Concen: 0.31 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004596.D
Acq: 15 Sep 2018 20:27

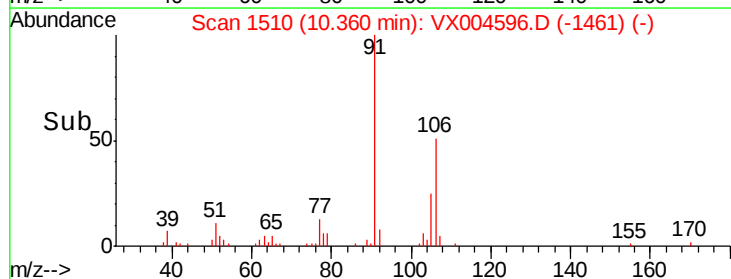
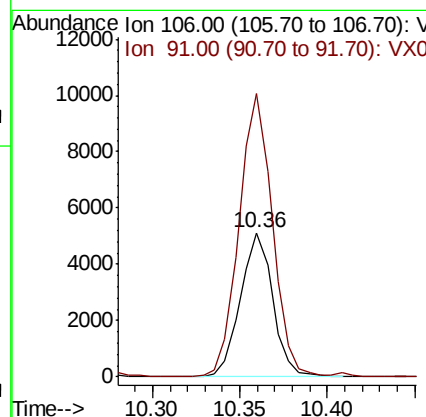
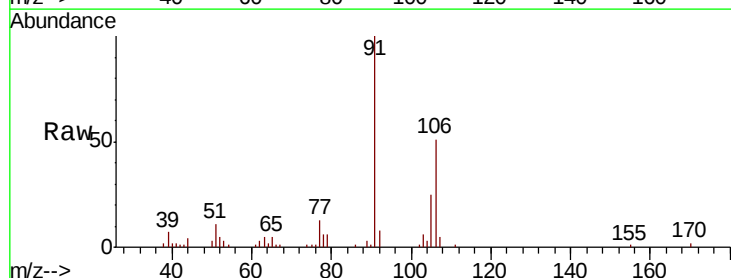
Instrument :
MSVOA_X
ClientSampleId :
26kV

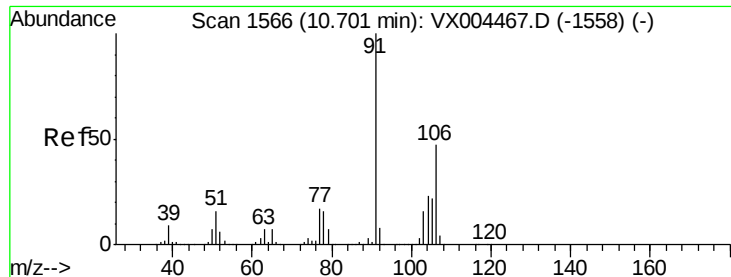
Tot Ion: 91 Resp: 4543
Ion Ratio Lower Upper
91 100
106 27.6 25.9 38.9



#68
m/p-Xylenes
Concen: 1.17 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004596.D
Acq: 15 Sep 2018 20:27

Tgt Ion: 106 Resp: 6593
Ion Ratio Lower Upper
106 100
91 202.5 157.1 235.7

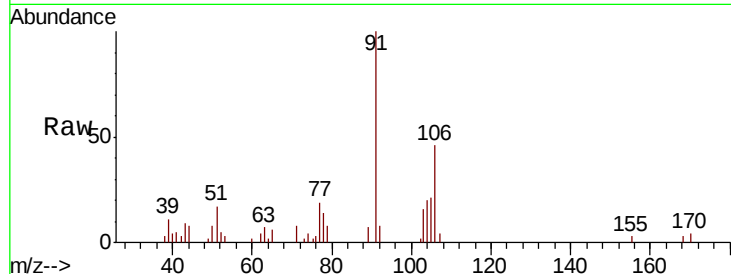




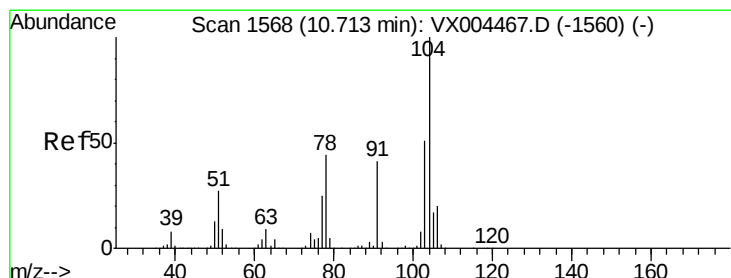
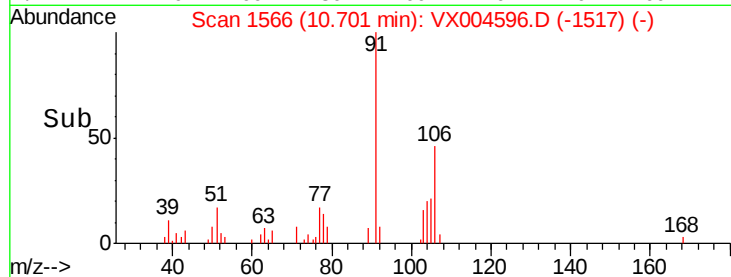
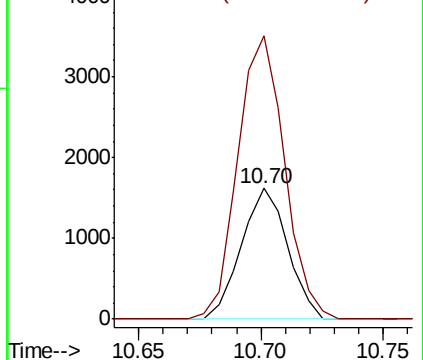
#69
o-Xylene
Concen: 0.39 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004596.D
Acq: 15 Sep 2018 20:27

Instrument :
MSVOA_X
ClientSampleId :
26kV

Tot Ion:106 Resp: 2124
Ion Ratio Lower Upper
106 100
91 218.5 105.1 315.1

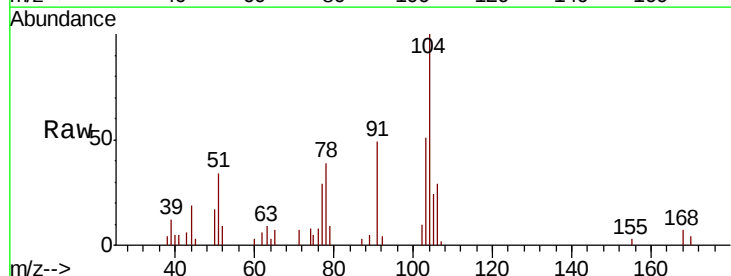


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

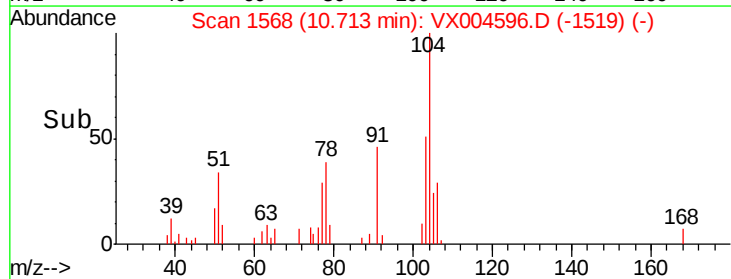
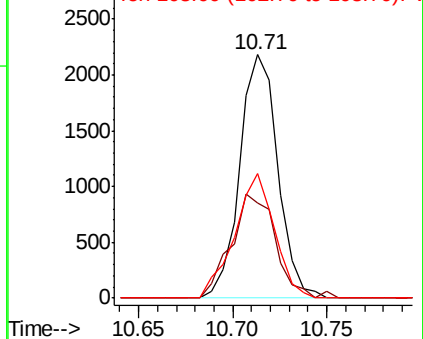


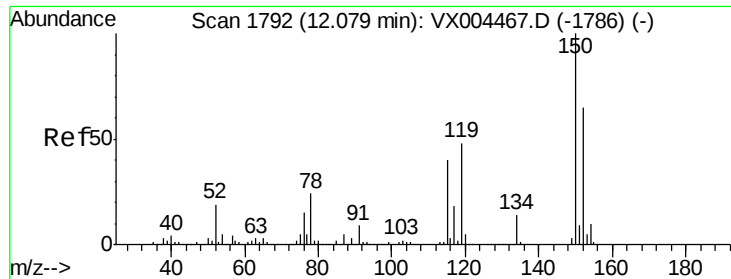
#70
Styrene
Concen: 0.34 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004596.D
Acq: 15 Sep 2018 20:27

Tgt Ion:104 Resp: 3058
Ion Ratio Lower Upper
104 100
78 49.7 37.4 56.0
103 53.4 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004596.D

Acq: 15 Sep 2018 20:27

Instrument :

MSVOA_X

ClientSampleId :

26kV

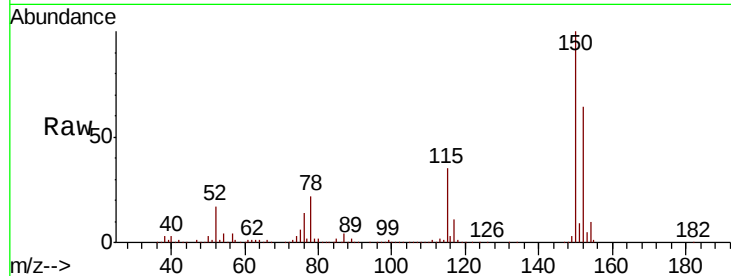
Tot Ion:152 Resp: 207933

Ion Ratio Lower Upper

152 100

115 54.8 39.0 117.0

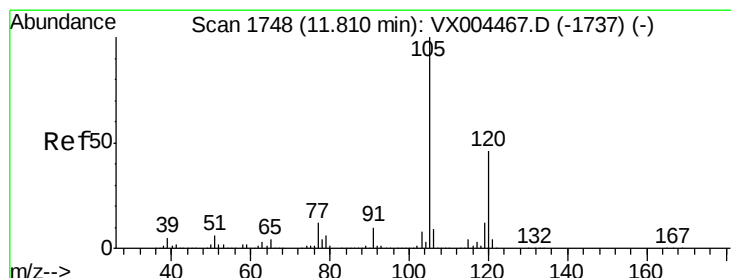
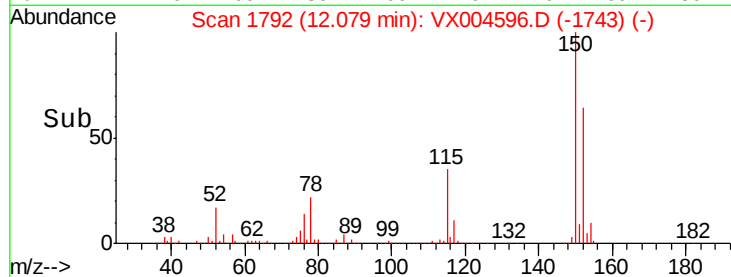
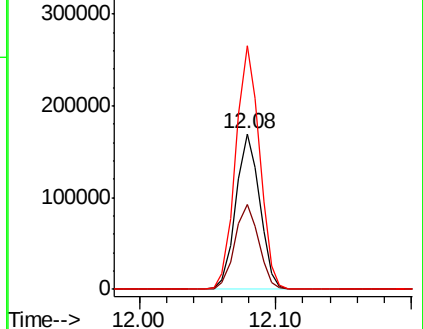
150 156.0 0.0 351.0



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



#84

1,2,4-Trimethylbenzene

Concen: 0.40 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004596.D

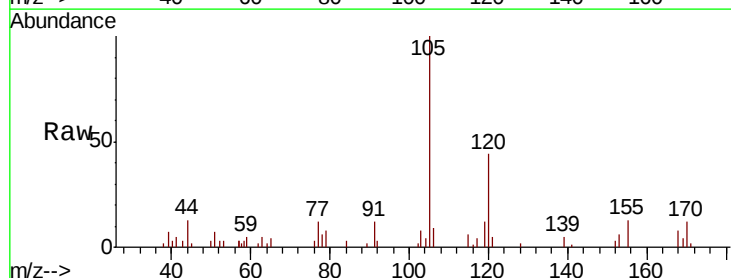
Acq: 15 Sep 2018 20:27

Tgt Ion:105 Resp: 4744

Ion Ratio Lower Upper

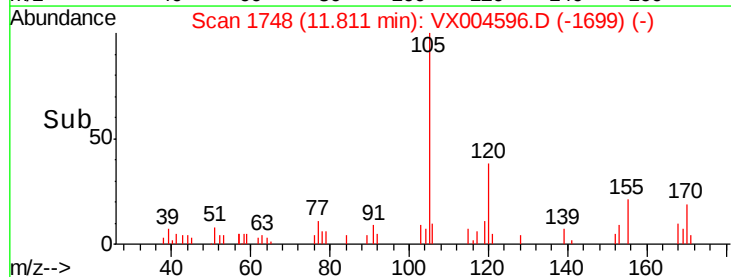
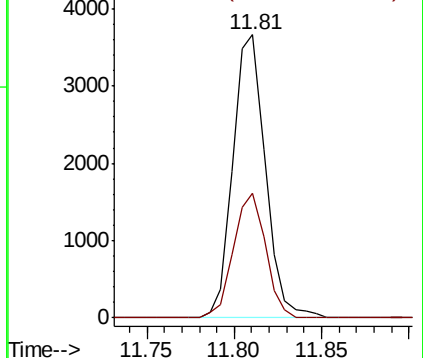
105 100

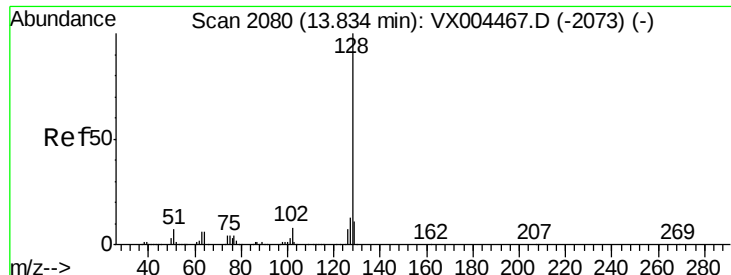
120 43.3 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 23.69 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004596.D

Acq: 15 Sep 2018 20:27

Instrument :

MSVOA_X

ClientSampleId :

26kV

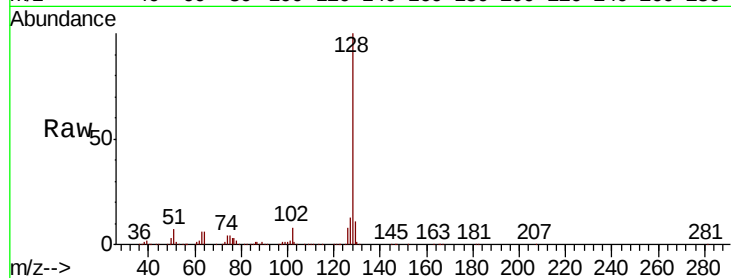
Tot Ion:128 Resp: 336293

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 10.9 8.6 12.8



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

