

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005835.D
 Acq On : 07 Nov 2018 18:38
 Operator : JC/MD
 Sample : J5848-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0101

Quant Time: Nov 08 10:45:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

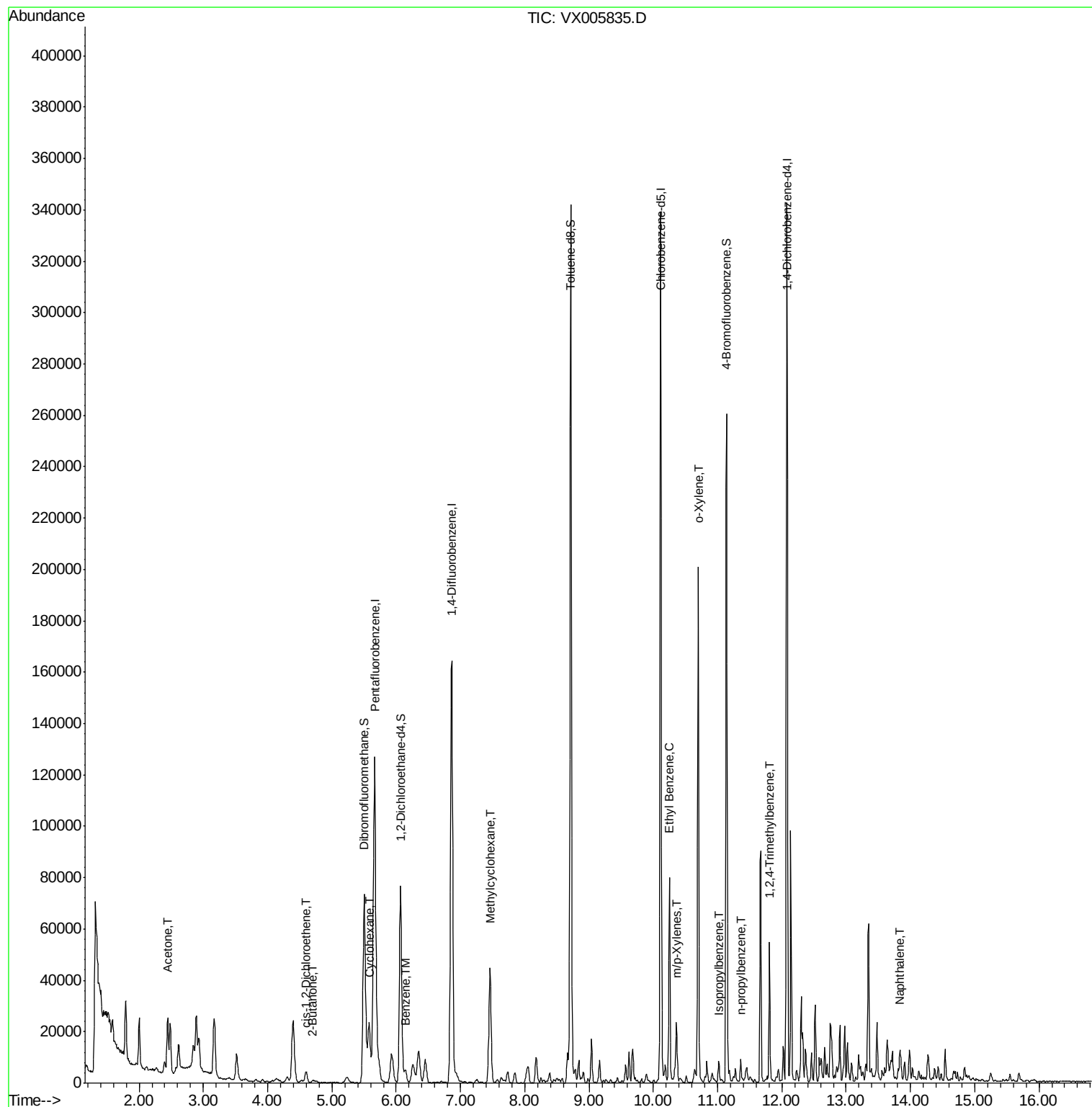
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	126810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	172314	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	158956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	70394	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	73920	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	5.50	113	59808	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	8.71	98	200543	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.14	95	65283	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	22600	28.792	ug/l	91
25) 2-Butanone	4.70	43	2241	1.816	ug/l	90
27) cis-1,2-Dichloroethene	4.59	96	2712	2.078	ug/l	92
31) Cyclohexane	5.58	56	14274	7.028	ug/l	94
39) Methylcyclohexane	7.46	83	18255	10.843	ug/l	96
40) Benzene	6.15	78	5364	1.108	ug/l #	87
67) Ethyl Benzene	10.25	91	45071	8.827	ug/l	98
68) m/p-Xylenes	10.36	106	4355	2.236	ug/l	98
69) o-Xylene	10.70	106	43885	25.127	ug/l	97
73) Isopropylbenzene	11.02	105	4156	1.021	ug/l	99
78) n-propylbenzene	11.36	91	5298	1.104	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	23698	6.102	ug/l	98
95) Naphthalene	13.83	128	6994	2.526	ug/l #	90

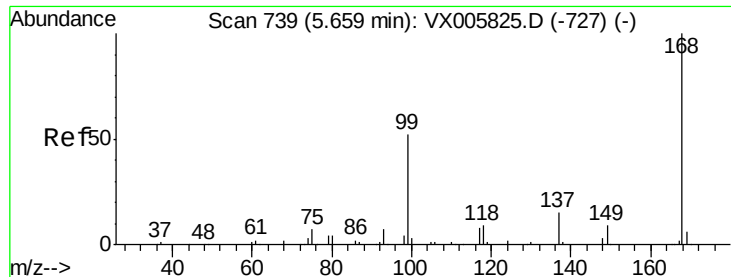
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

Instrument :

MSVOA_X

ClientSampled :

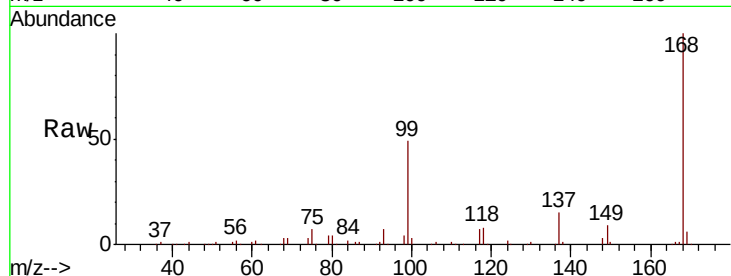
S81-0101

Tot Ion:168 Resp: 126810

Ion Ratio Lower Upper

168 100

99 49.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

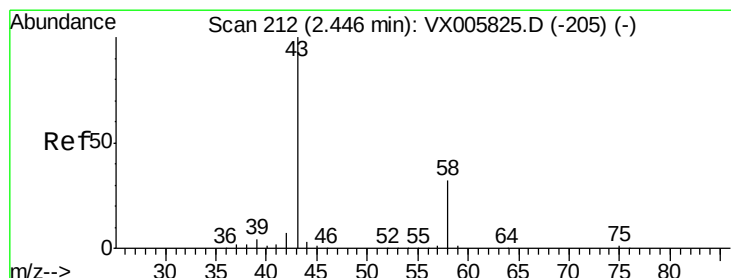
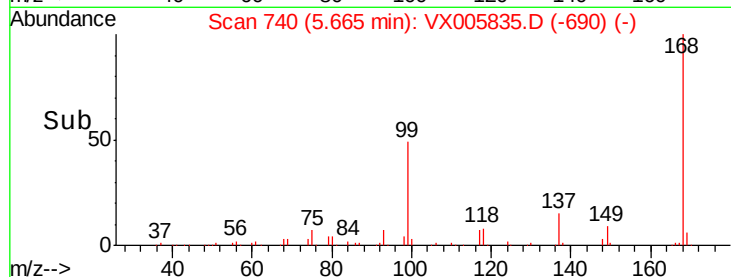
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 28.792 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005835.D

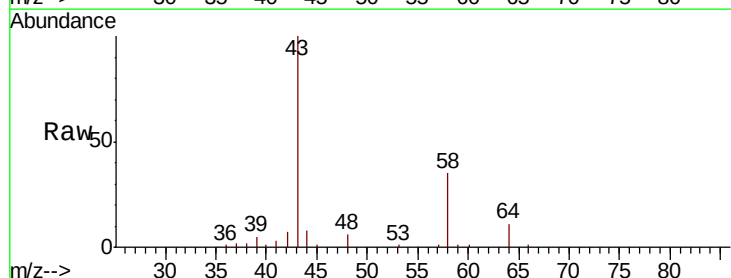
Acq: 07 Nov 2018 18:38

Tgt Ion: 43 Resp: 22600

Ion Ratio Lower Upper

43 100

58 34.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

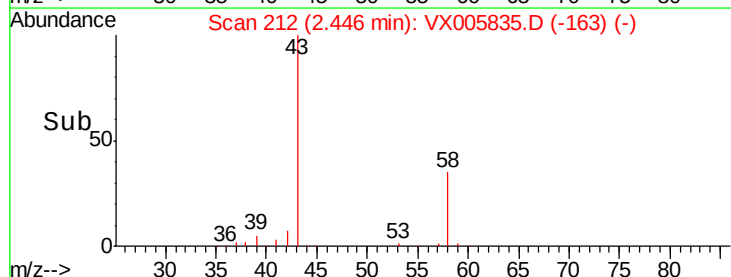
15000

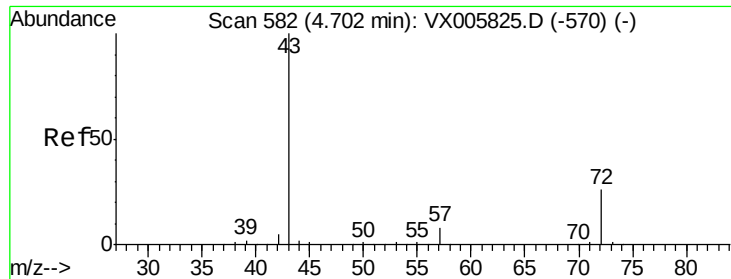
10000

5000

0

Time--> 2.40 2.45 2.50 2.55





#25

2-Butanone

Concen: 1.816 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

Instrument :

MSVOA_X

ClientSampled :

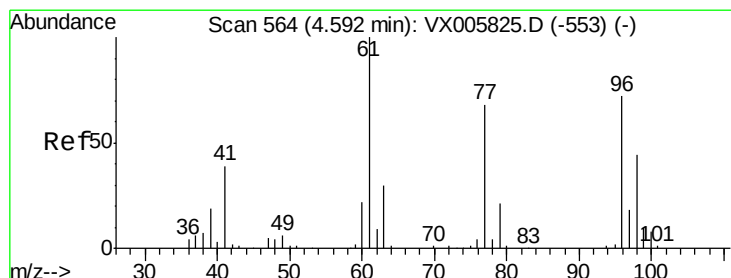
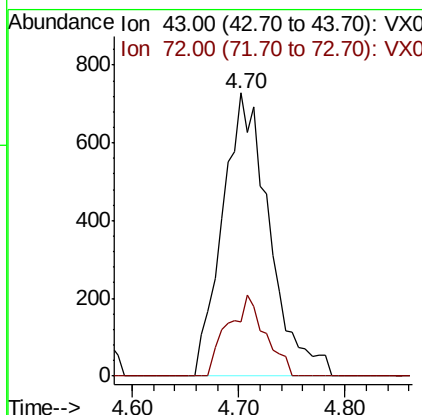
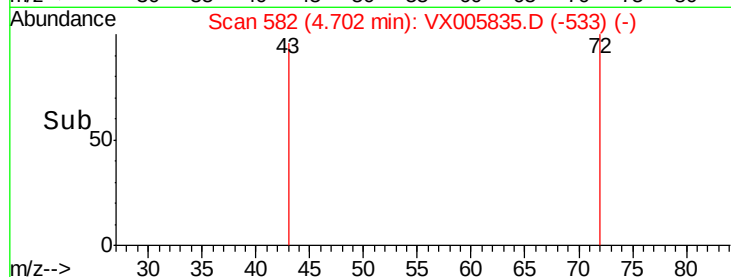
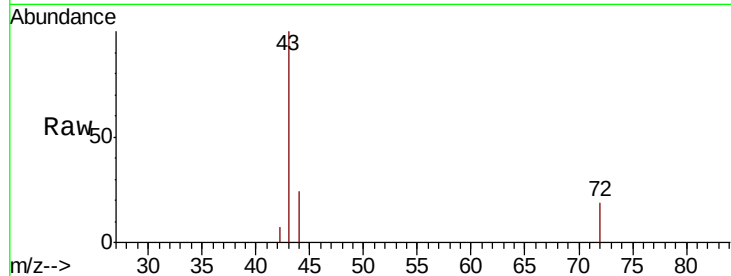
S81-0101

Tot Ion: 43 Resp: 2241

Ion Ratio Lower Upper

43 100

72 19.2 19.2 28.8



#27

cis-1,2-Dichloroethene

Concen: 2.078 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

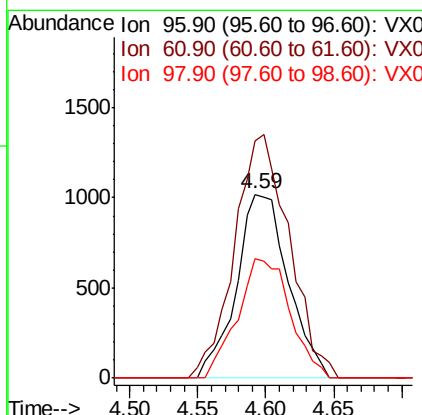
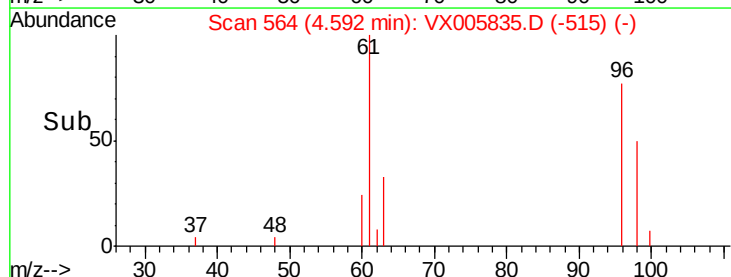
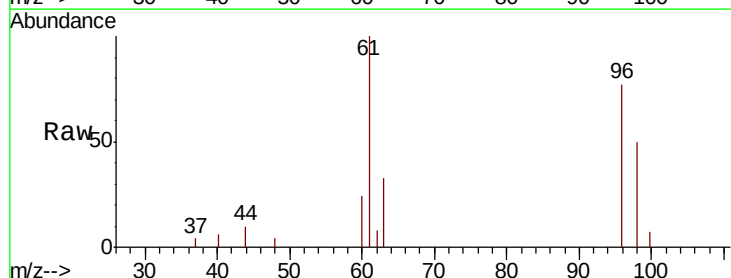
Tgt Ion: 96 Resp: 2712

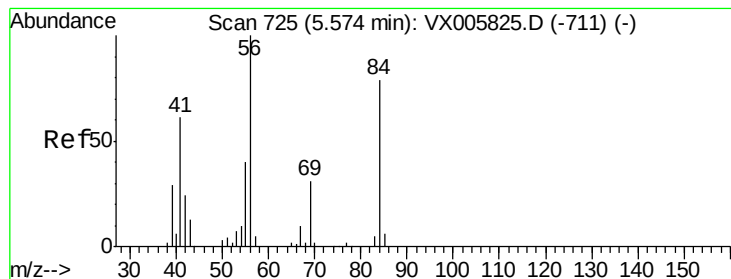
Ion Ratio Lower Upper

96 100

61 139.7 0.0 304.6

98 66.0 0.0 127.4





#31

Cyclohexane

Concen: 7.028 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

S81-0101

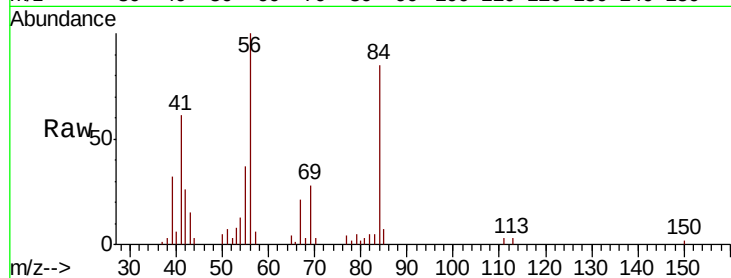
Tot Ion: 56 Resp: 14274

Ion Ratio Lower Upper

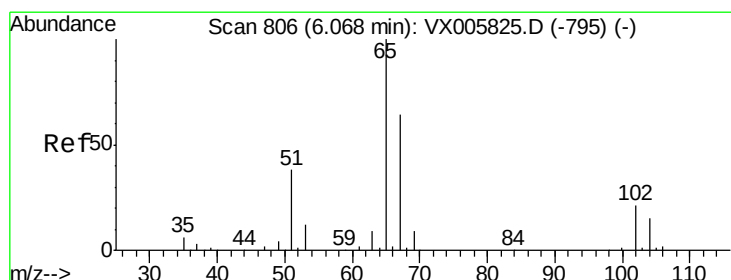
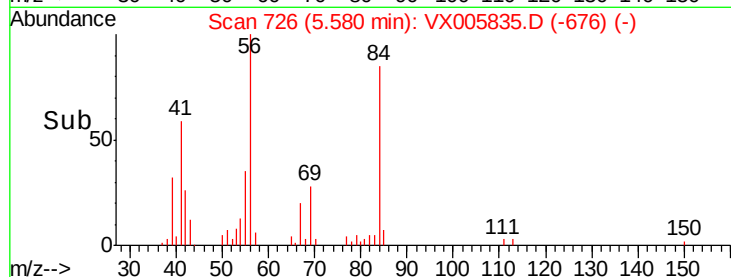
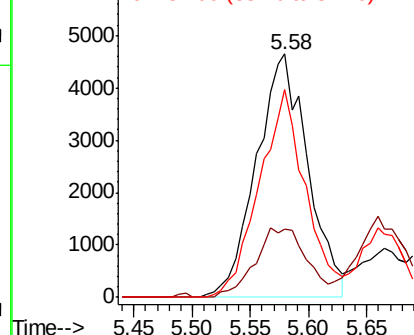
56 100

69 27.9 22.6 34.0

84 85.5 62.7 94.1



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: 50.705 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005835.D

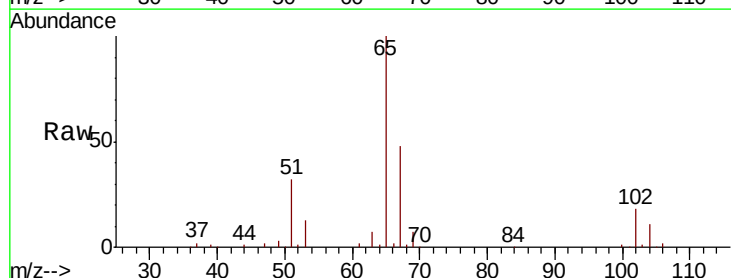
Acq: 07 Nov 2018 18:38

Tgt Ion: 65 Resp: 73920

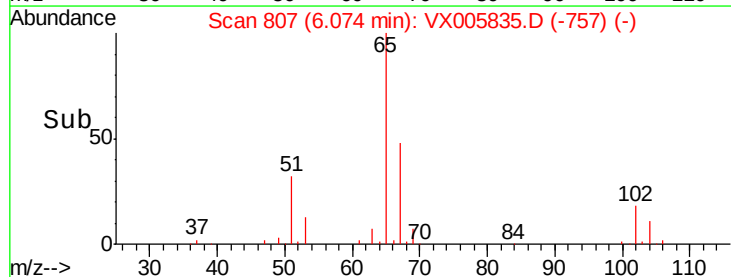
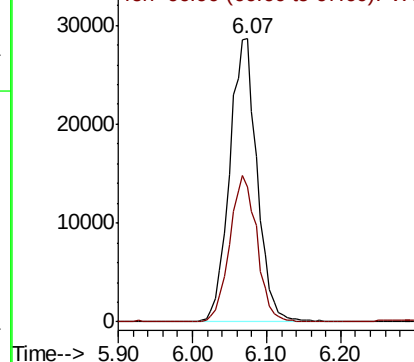
Ion Ratio Lower Upper

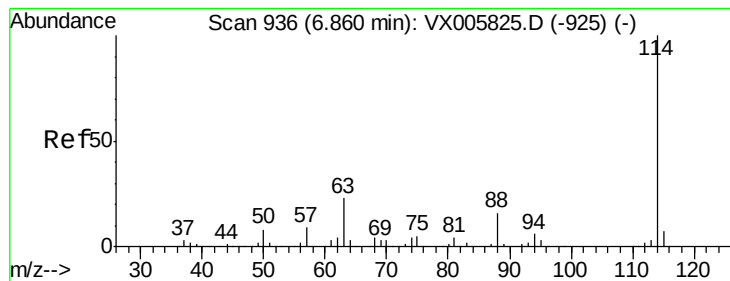
65 100

67 51.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

S81-0101

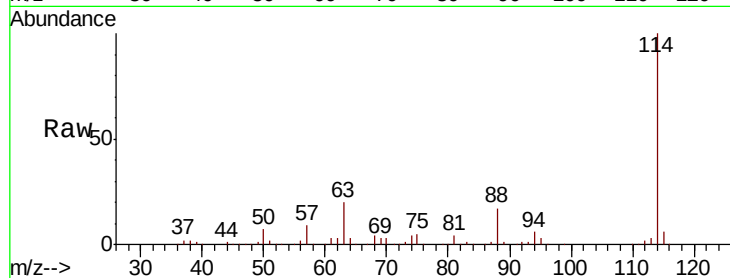
Tot Ion:114 Resp: 172314

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

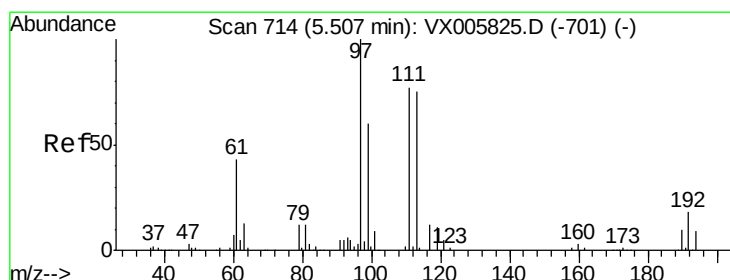
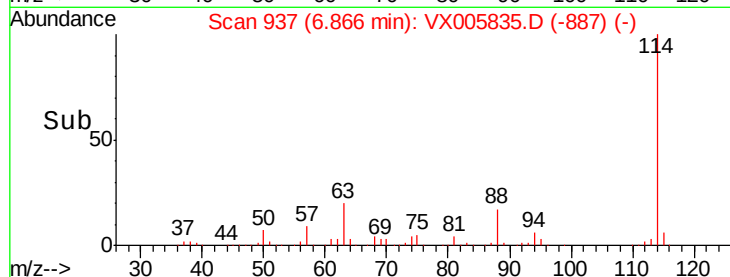
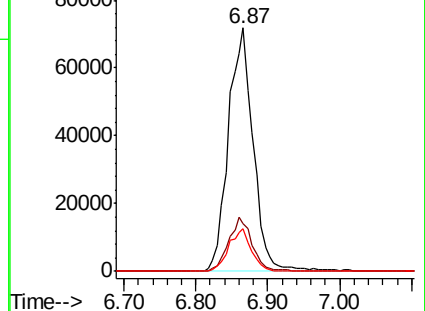
88 17.3 0.0 31.2



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: 51.031 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

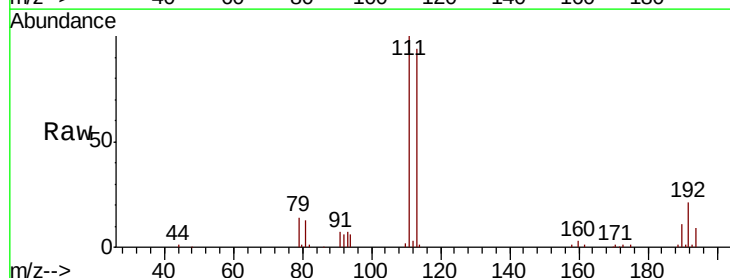
Tgt Ion:113 Resp: 59808

Ion Ratio Lower Upper

113 100

111 102.6 82.3 123.5

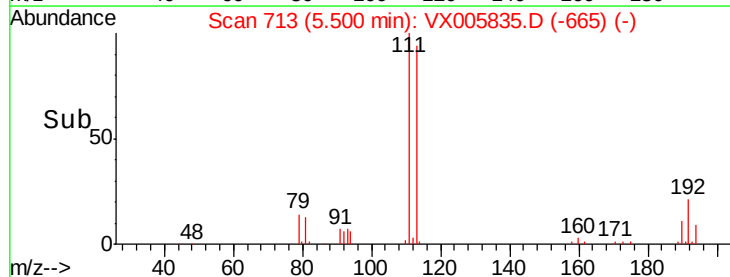
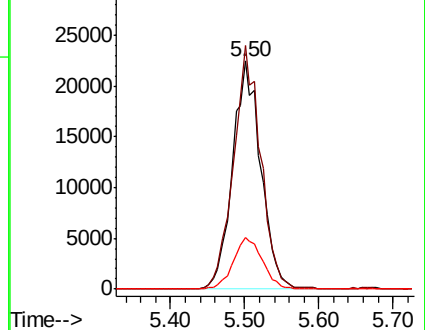
192 23.2 17.9 26.9

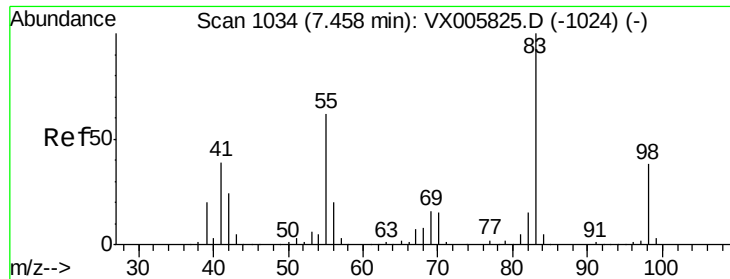


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

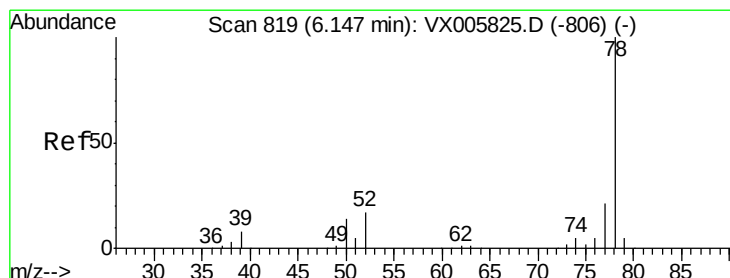
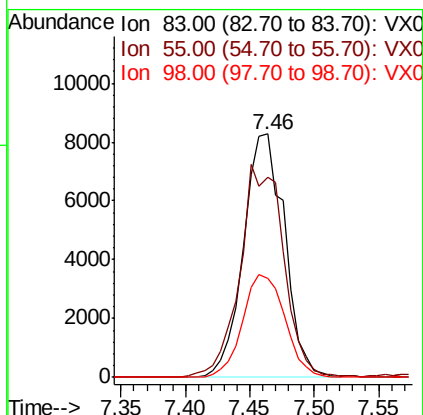
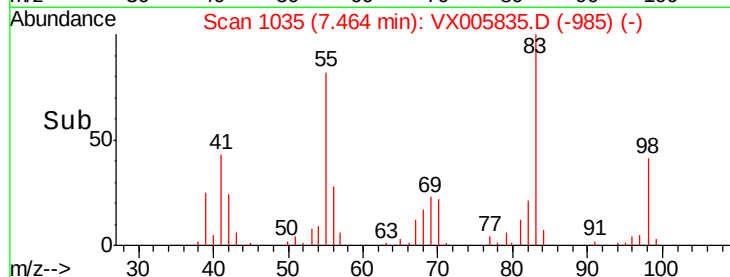
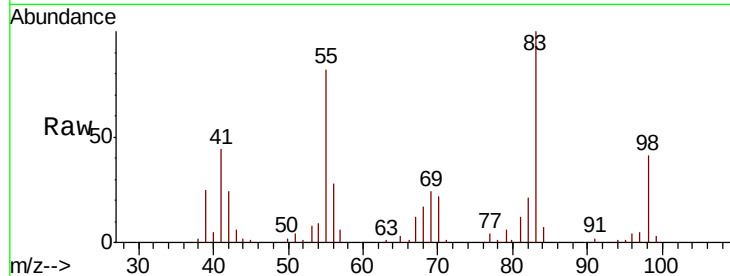




#39
Methylvlcyclohexane
Concen: 10.843 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005835.D
Acq: 07 Nov 2018 18:38

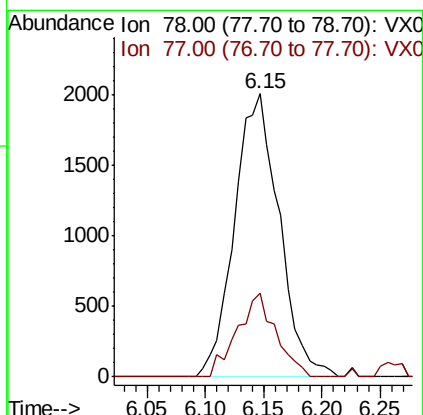
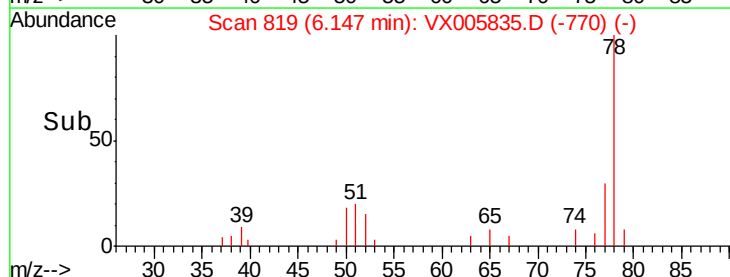
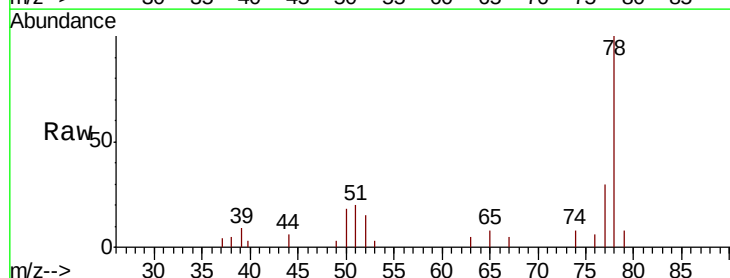
Instrument :
MSVOA_X
ClientSampleId :
S81-0101

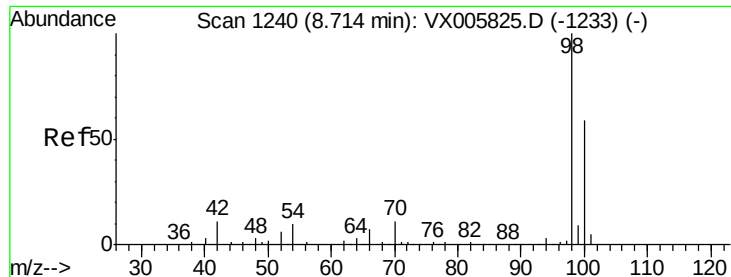
Tot Ion: 83 Resp: 18255
Ion Ratio Lower Upper
83 100
55 81.2 63.7 95.5
98 40.9 36.2 54.2



#40
Benzene
Concen: 1.108 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005835.D
Acq: 07 Nov 2018 18:38

Tgt Ion: 78 Resp: 5364
Ion Ratio Lower Upper
78 100
77 29.5 18.4 27.6#





#50

Toluene-d8

Concen: 51.469 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

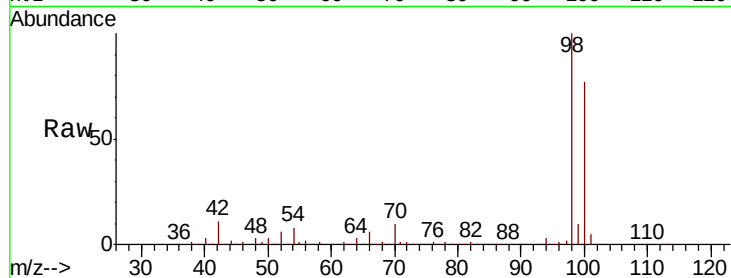
S81-0101

Tot Ion: 98 Resp: 200543

Ion Ratio Lower Upper

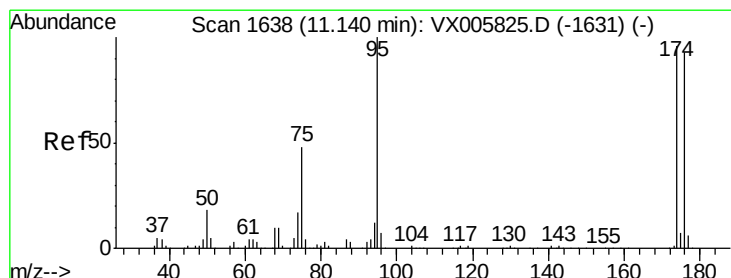
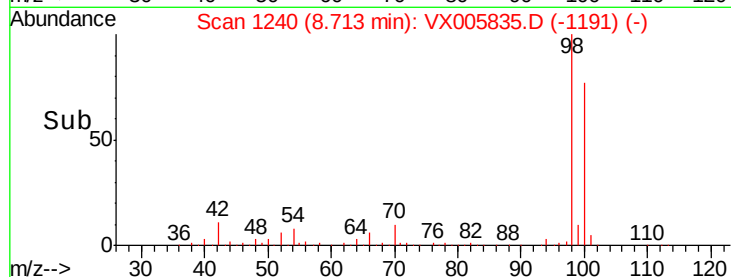
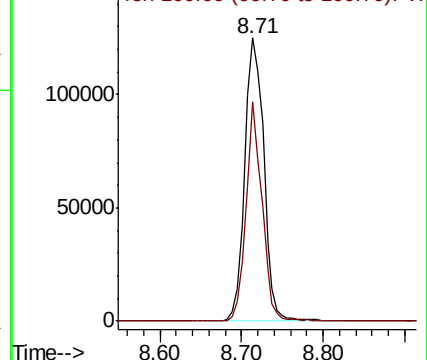
98 100

100 65.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.601 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

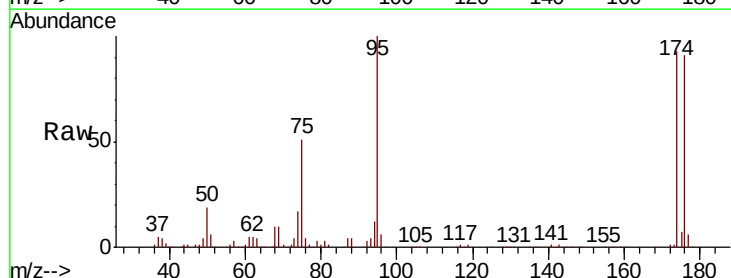
Tgt Ion: 95 Resp: 65283

Ion Ratio Lower Upper

95 100

174 90.0 0.0 184.4

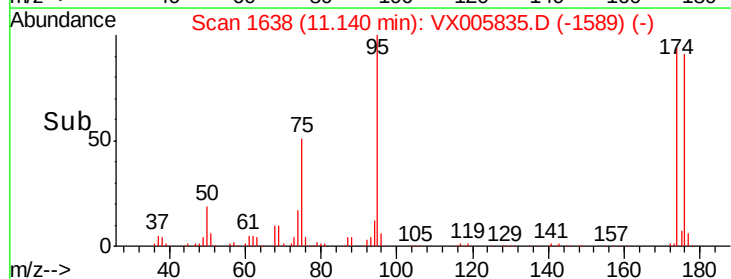
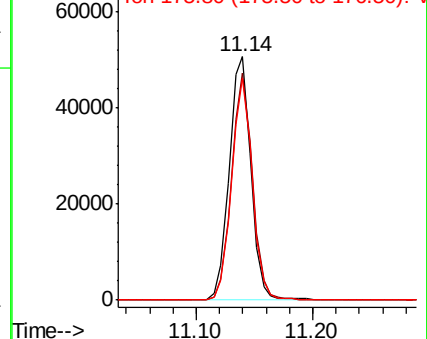
176 87.2 0.0 177.4

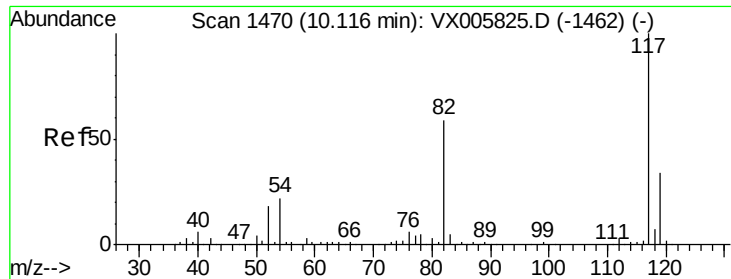


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

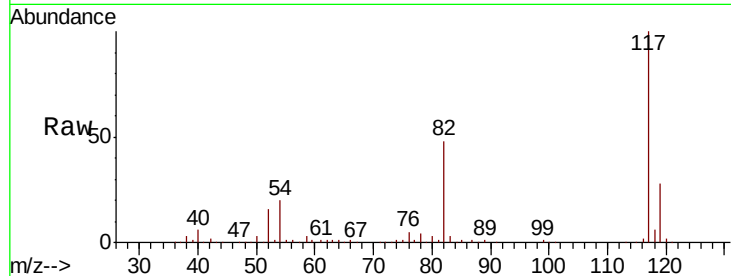




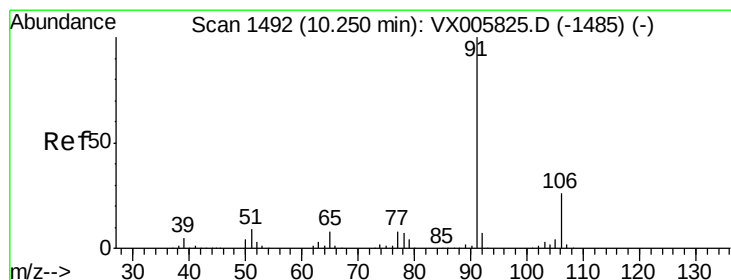
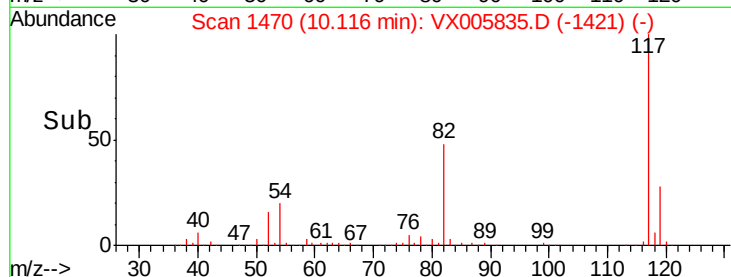
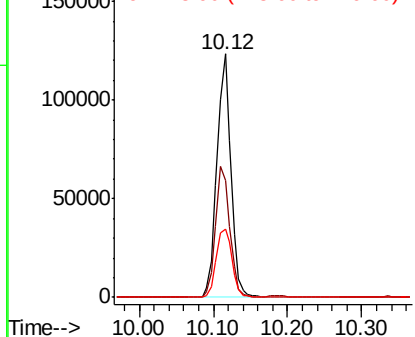
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005835.D
Acq: 07 Nov 2018 18:38

Instrument :
MSVOA_X
ClientSampleId :
S81-0101

Tot Ion:117 Resp: 158956
Ion Ratio Lower Upper
117 100
82 48.1 44.1 66.1
119 28.1 26.2 39.2

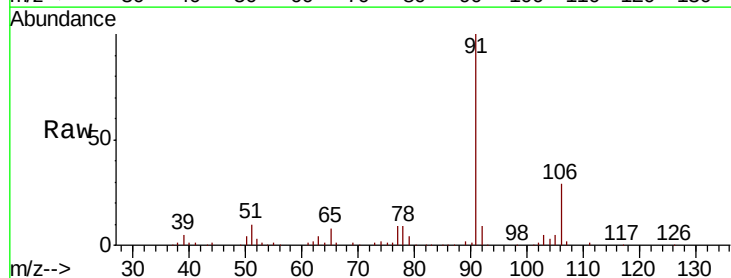


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

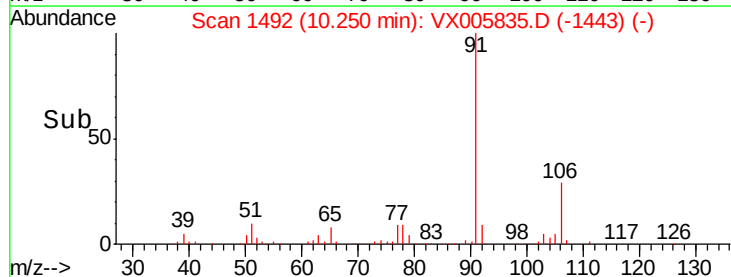
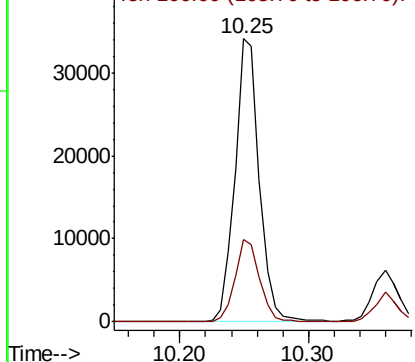


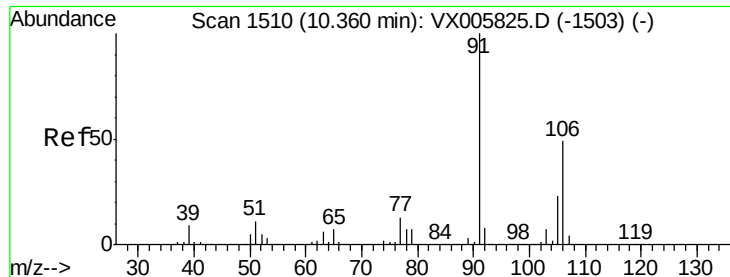
#67
Ethyl Benzene
Concen: 8.827 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005835.D
Acq: 07 Nov 2018 18:38

Tgt Ion: 91 Resp: 45071
Ion Ratio Lower Upper
91 100
106 29.3 24.4 36.6



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





#68

m/p-Xylenes

Concen: 2.236 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

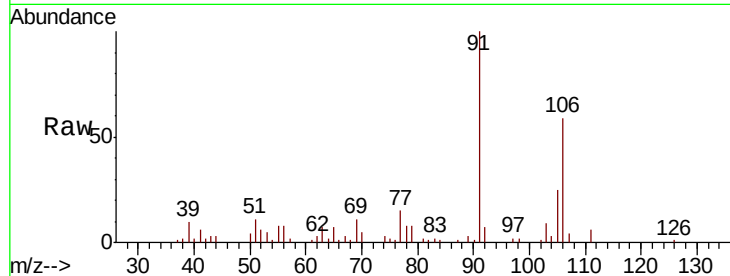
S81-0101

Tot Ion:106 Resp: 4355

Ion Ratio Lower Upper

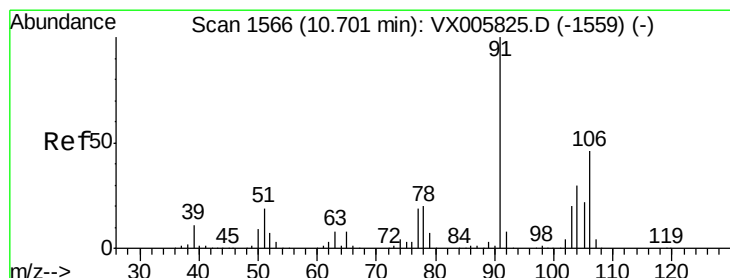
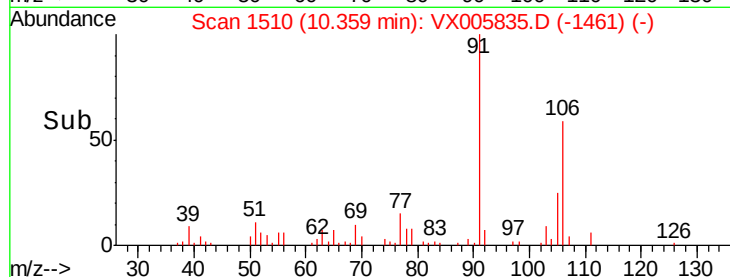
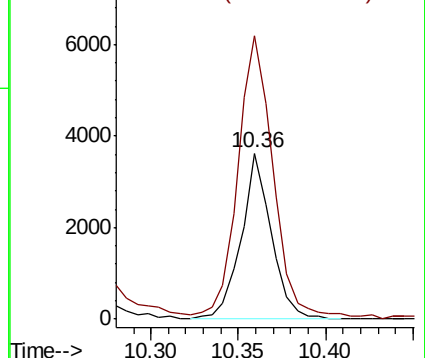
106 100

91 201.6 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 25.127 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX005835.D

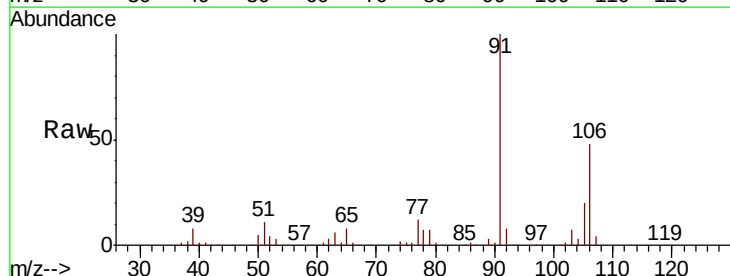
Acq: 07 Nov 2018 18:38

Tgt Ion:106 Resp: 43885

Ion Ratio Lower Upper

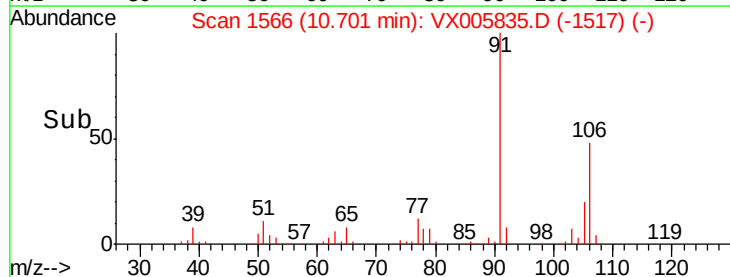
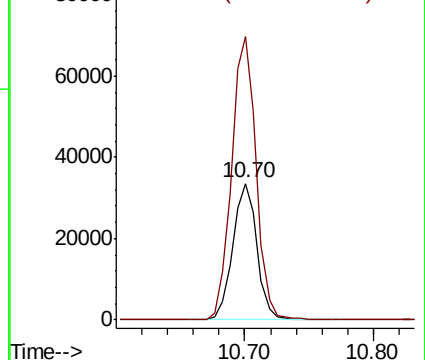
106 100

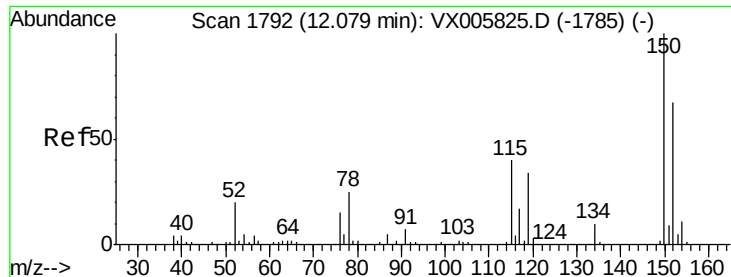
91 212.6 108.5 325.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

S81-0101

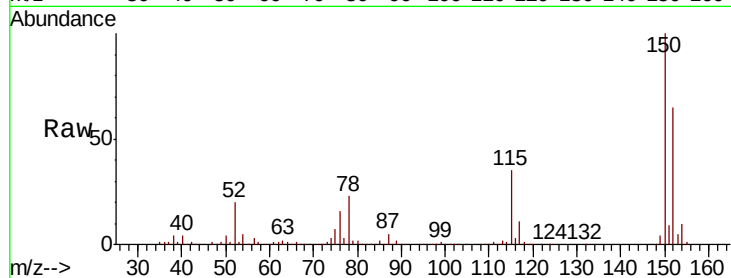
Tot Ion:152 Resp: 70394

Ion Ratio Lower Upper

152 100

115 55.1 39.4 118.1

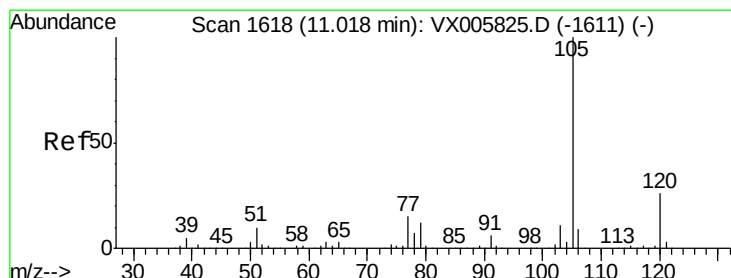
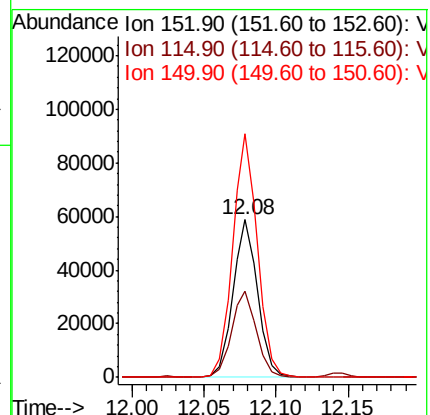
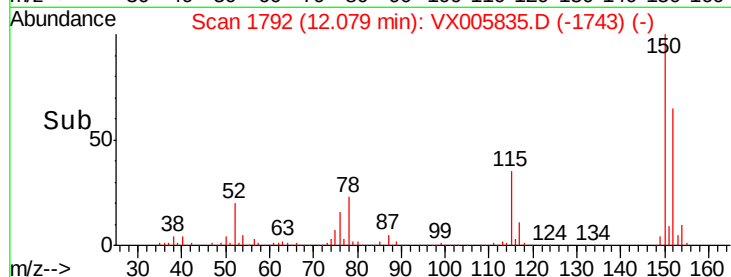
150 154.6 0.0 346.4



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: 1.021 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005835.D

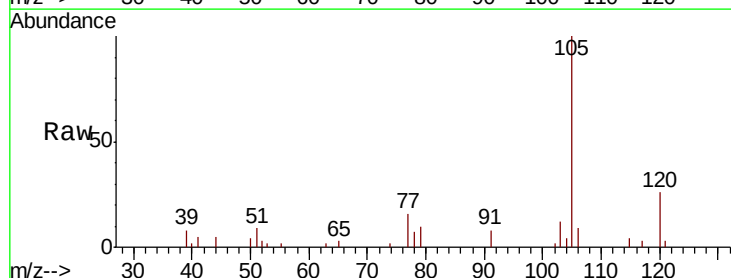
Acq: 07 Nov 2018 18:38

Tgt Ion:105 Resp: 4156

Ion Ratio Lower Upper

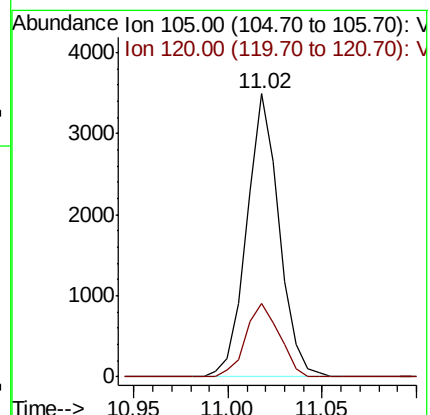
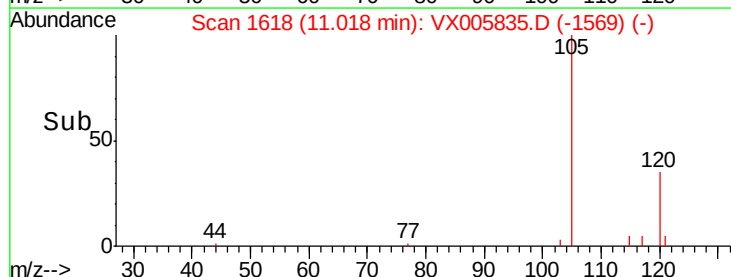
105 100

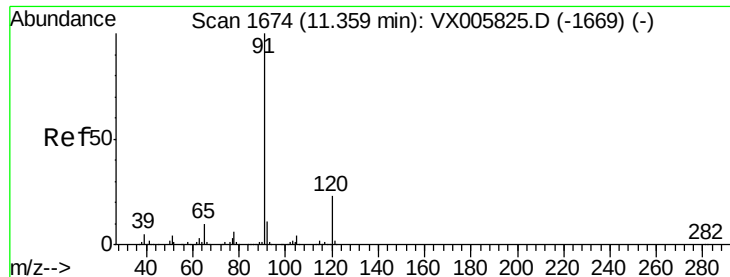
120 26.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.104 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005835.D

Acq: 07 Nov 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

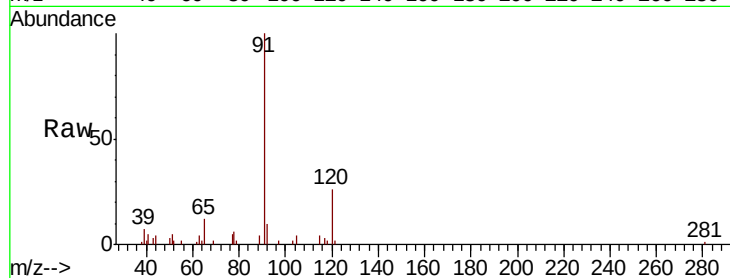
S81-0101

Tot Ion: 91 Resp: 5298

Ion Ratio Lower Upper

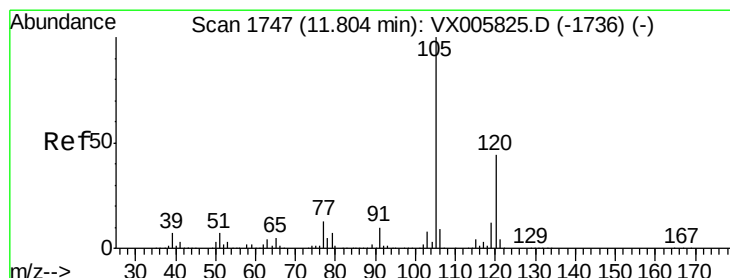
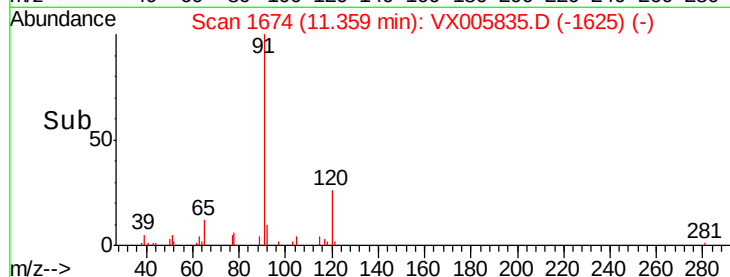
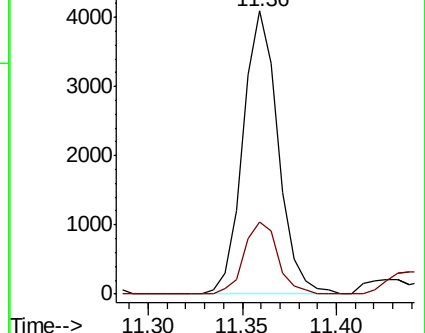
91 100

120 24.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1669) (-)



#84

1,2,4-Trimethylbenzene

Concen: 6.102 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX005835.D

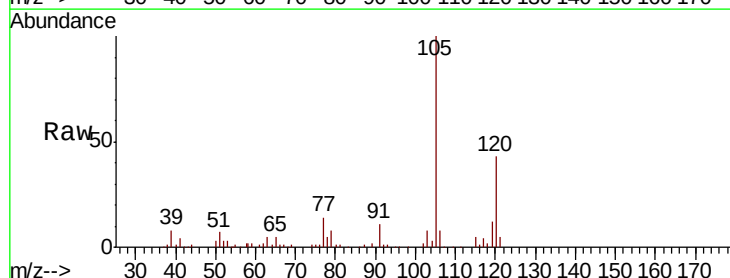
Acq: 07 Nov 2018 18:38

Tgt Ion: 105 Resp: 23698

Ion Ratio Lower Upper

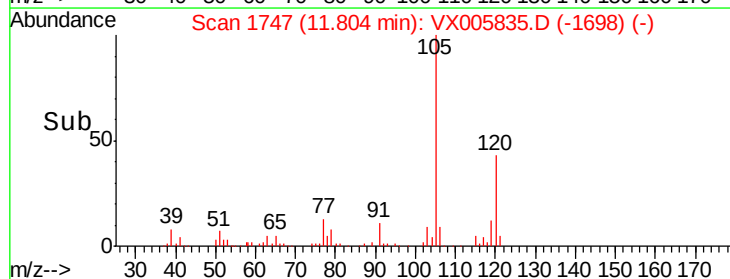
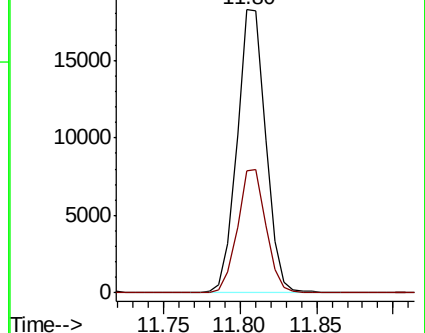
105 100

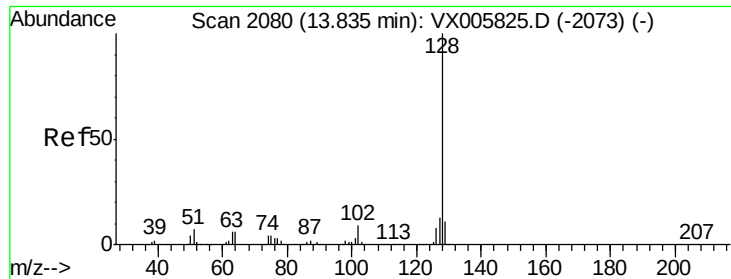
120 43.5 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1736) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1736) (-)





#95
Naphthalene
Concen: 2.526 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005835.D
Acq: 07 Nov 2018 18:38

Instrument :
MSVOA_X
ClientSampleId :
S81-0101

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.4	15.6
129	17.3	8.7	13.1

