

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006728.D
 Acq On : 21 Dec 2018 17:17
 Operator : JC/MD
 Sample : J6517-03DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-121918DL

Quant Time: Dec 22 04:59:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	608120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	947568	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	850415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	406173	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	325722	49.70	ug/l	0.01
Spiked Amount			Recovery	=	99.40%	
35) Dibromofluoromethane	5.51	113	289550	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
50) Toluene-d8	8.71	98	1114107	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.14	95	389397	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	

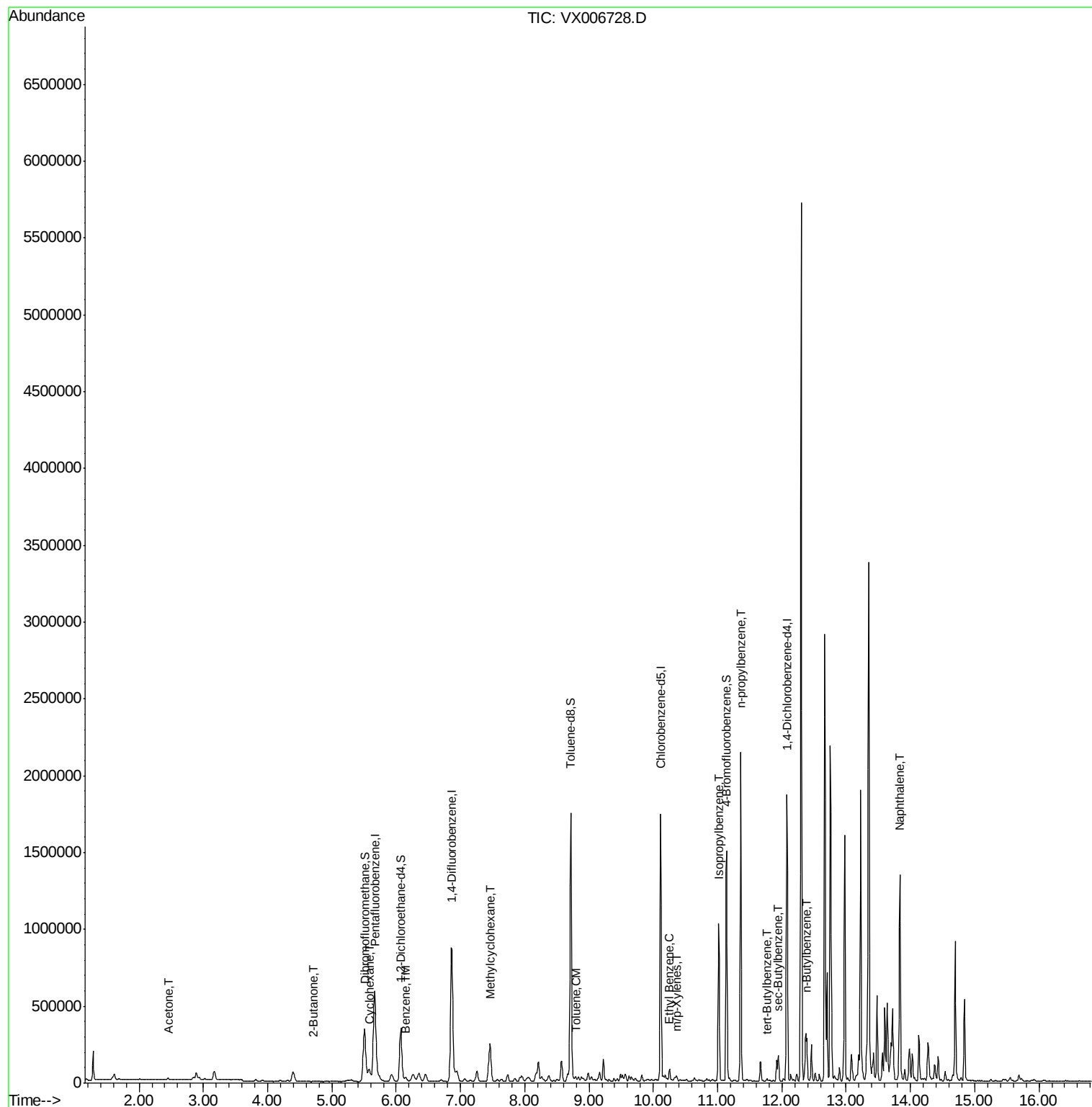
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	10750	3.570	ug/l #	84
25) 2-Butanone	4.71	43	5306	1.253	ug/l #	81
31) Cyclohexane	5.58	56	54043	5.956	ug/l	96
39) Methylcyclohexane	7.46	83	114274	11.060	ug/l	96
40) Benzene	6.15	78	32505	1.363	ug/l	93
52) Toluene	8.79	92	7641	0.496	ug/l	86
67) Ethyl Benzene	10.25	91	43336	1.474	ug/l	97
68) m/p-Xylenes	10.36	106	5911	0.510	ug/l	84
73) Isopropylbenzene	11.02	105	528382	19.015	ug/l	99
78) n-propylbenzene	11.36	91	1288348	42.104	ug/l	98
83) tert-Butylbenzene	11.77	119	6794	0.297	ug/l	93
85) sec-Butylbenzene	11.94	105	89900	3.201	ug/l	98
89) n-Butylbenzene	12.39	91	139711	6.650	ug/l #	80
95) Naphthalene	13.83	128	836130	28.041	ug/l	98

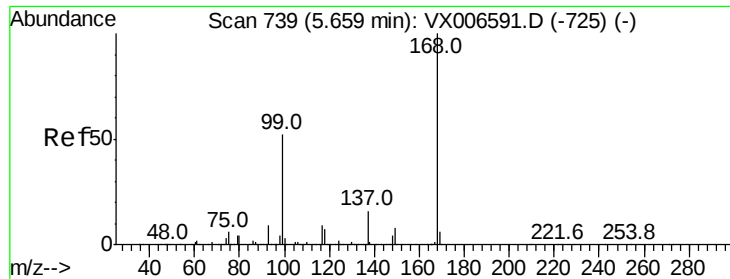
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

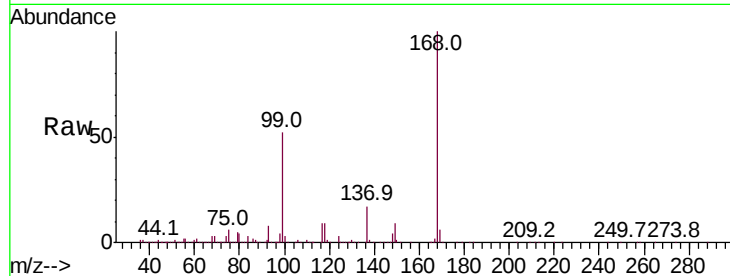
T2-MW-4-8.0-121918DL

Tot Ion:168 Resp: 608120

Ion Ratio Lower Upper

168 100

99 52.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

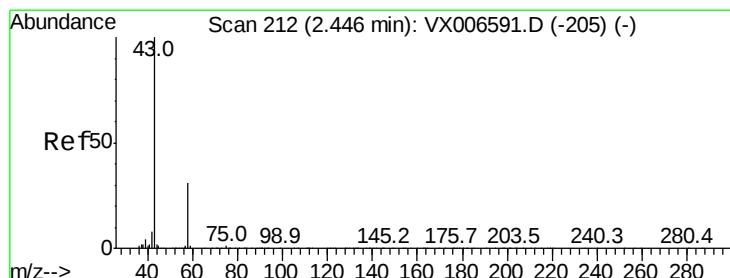
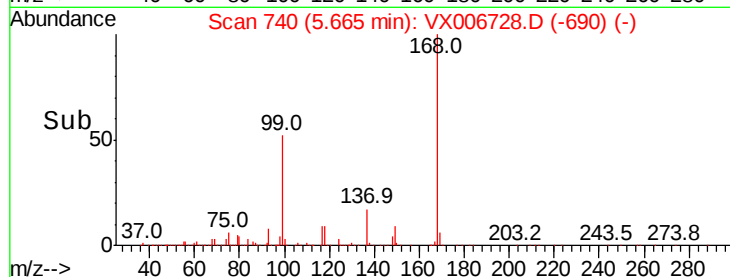
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.570 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006728.D

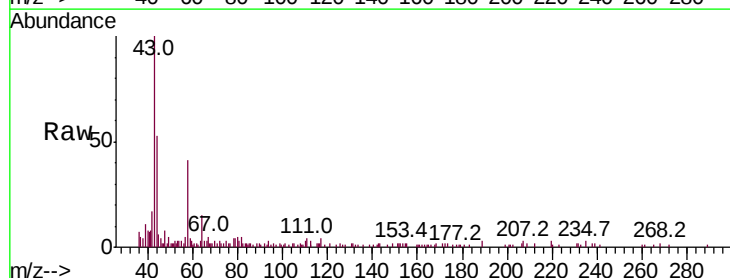
Acq: 21 Dec 2018 17:17

Tgt Ion: 43 Resp: 10750

Ion Ratio Lower Upper

43 100

58 40.3 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

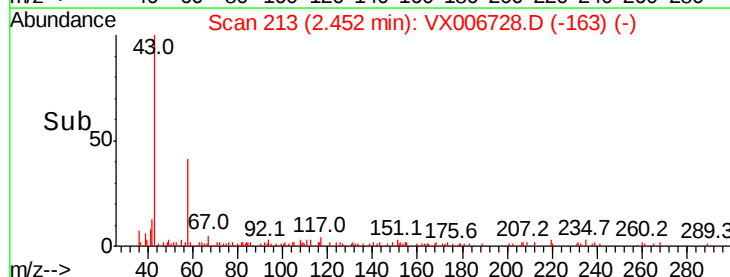
6000

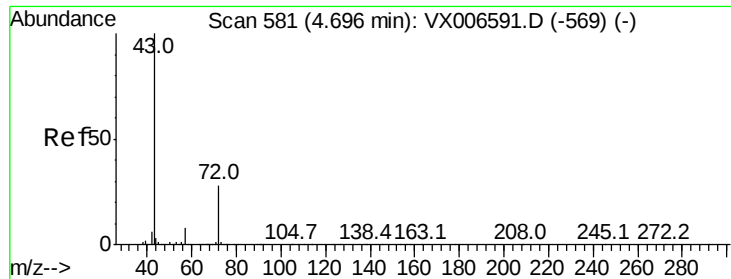
4000

2000

0

Time--> 2.40 2.45 2.50

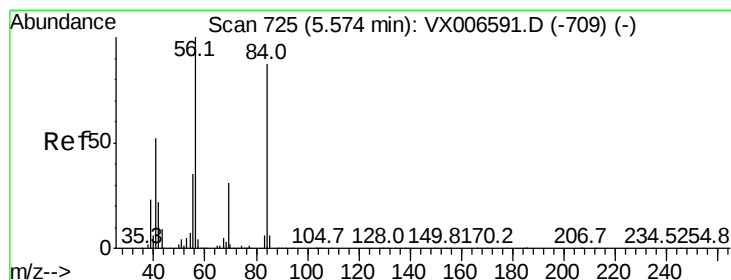
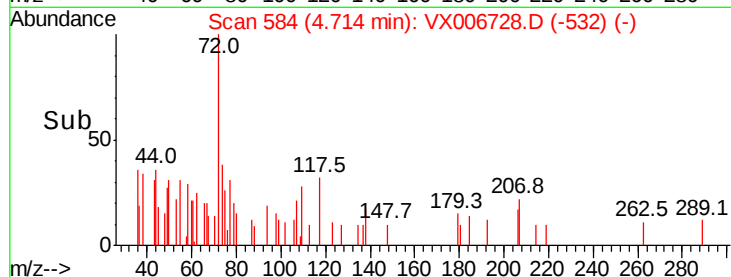
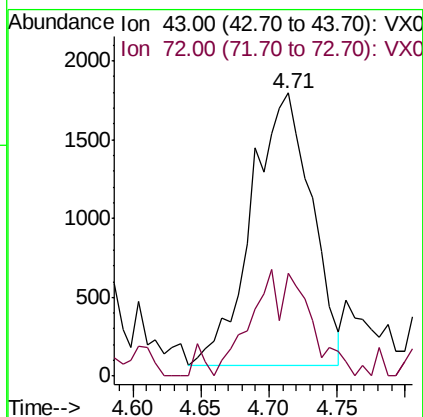
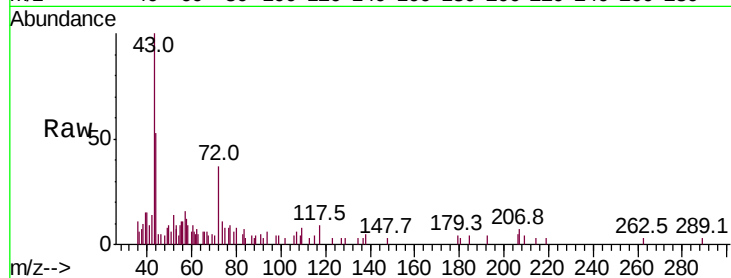




#25
2-Butanone
Concen: 1.253 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.02 min
Lab File: VX006728.D
Acq: 21 Dec 2018 17:17

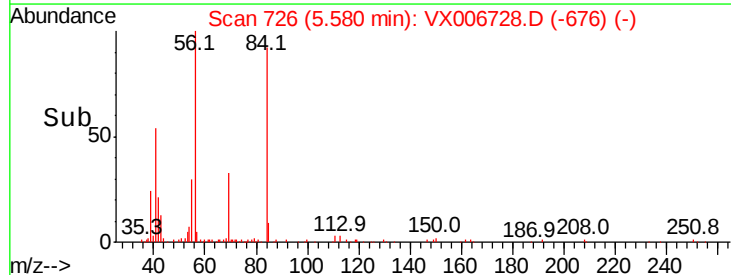
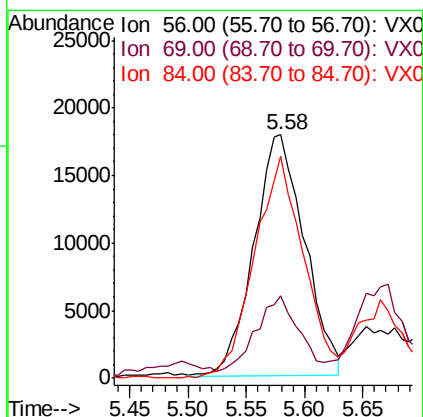
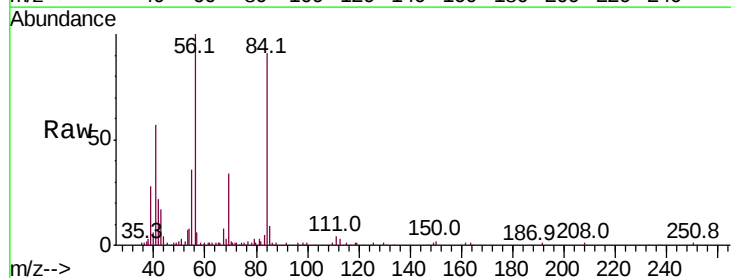
Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918DL

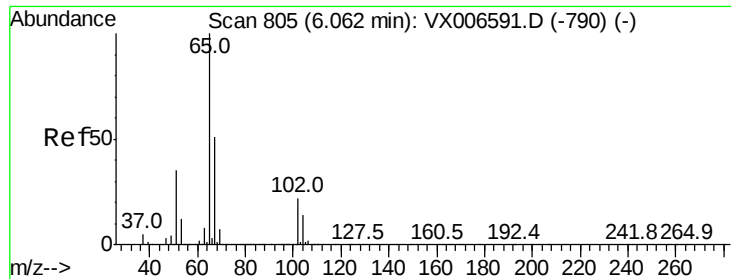
Tot Ion: 43 Resp: 5306
Ion Ratio Lower Upper
43 100
72 38.1 22.4 33.6#



#31
Cyclohexane
Concen: 5.956 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006728.D
Acq: 21 Dec 2018 17:17

Tgt Ion: 56 Resp: 54043
Ion Ratio Lower Upper
56 100
69 28.1 24.4 36.6
84 91.4 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 49.698 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

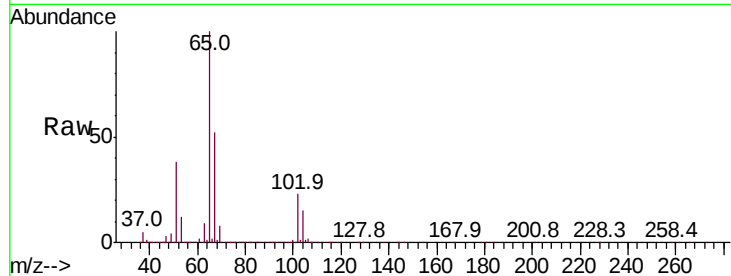
T2-MW-4-8.0-121918DL

Tot Ion: 65 Resp: 325722

Ion Ratio Lower Upper

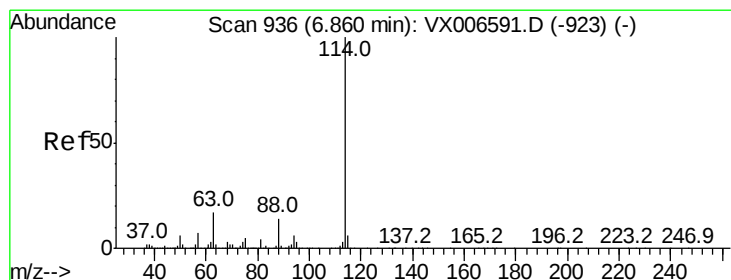
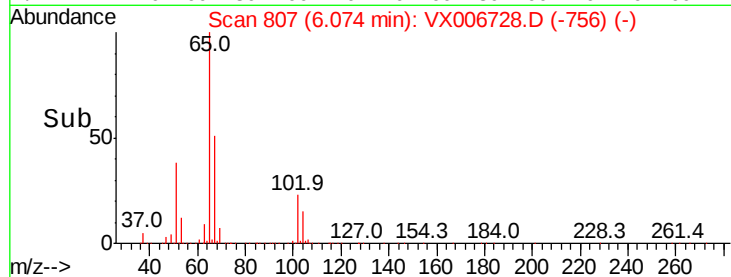
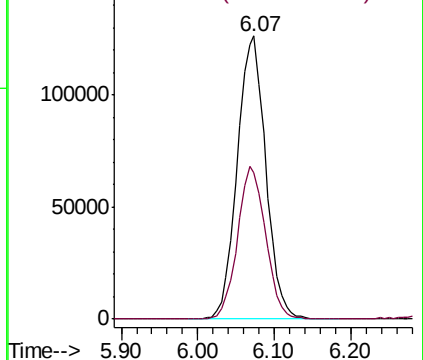
65 100

67 52.9 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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

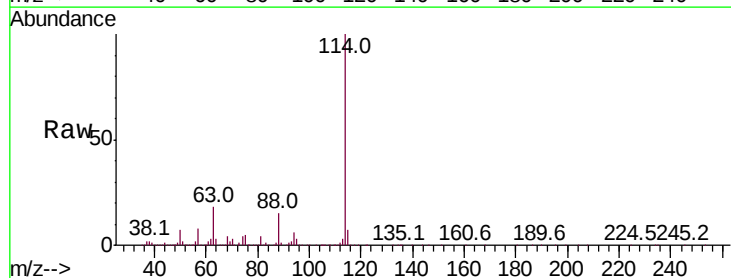
Tgt Ion: 114 Resp: 947568

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.8

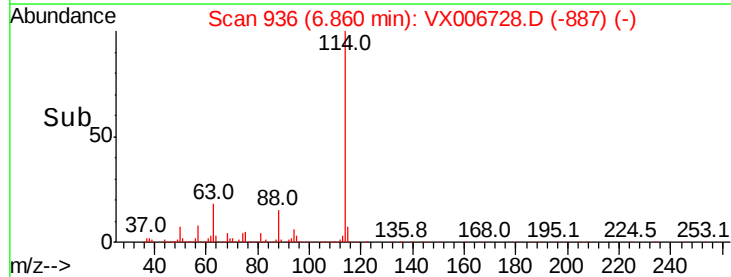
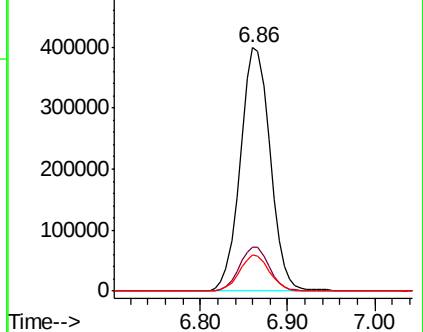
88 15.0 0.0 28.8

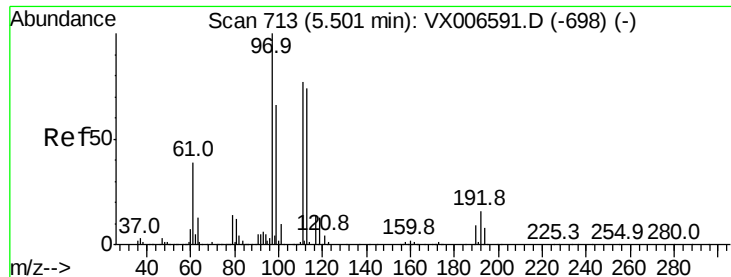


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.321 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918DL

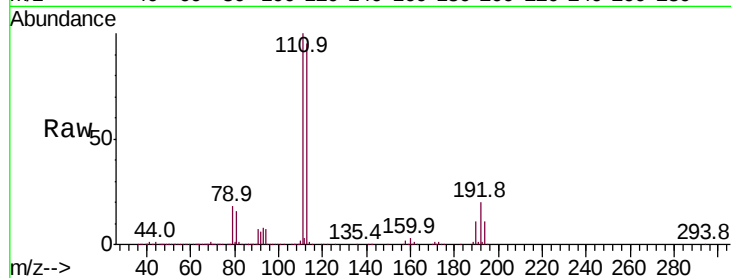
Tot Ion:113 Resp: 289550

Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

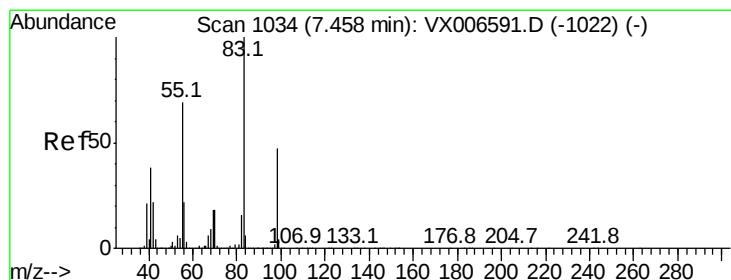
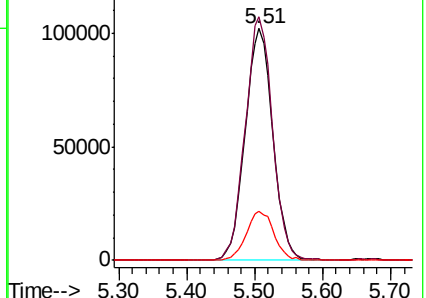
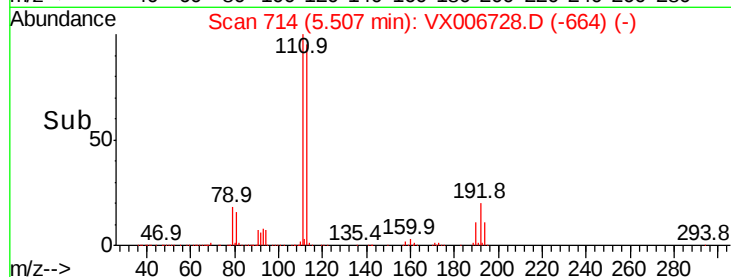
192 21.3 16.7 25.1



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

Methylcyclohexane

Concen: 11.060 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

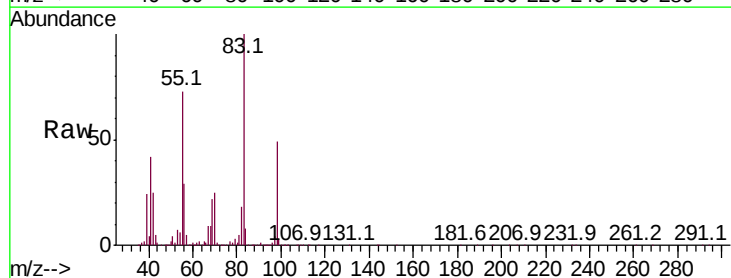
Tgt Ion: 83 Resp: 114274

Ion Ratio Lower Upper

83 100

55 72.4 54.9 82.3

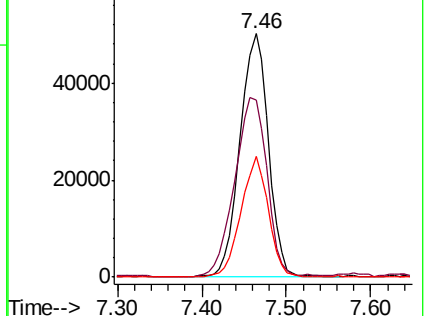
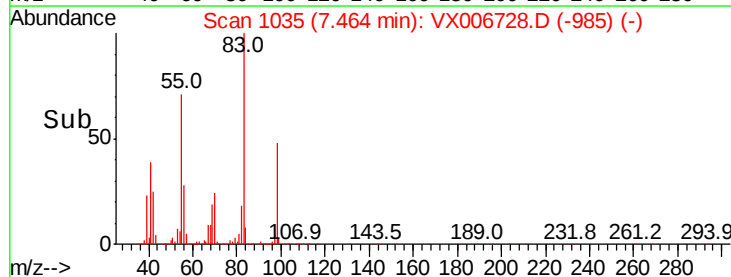
98 49.3 37.9 56.9

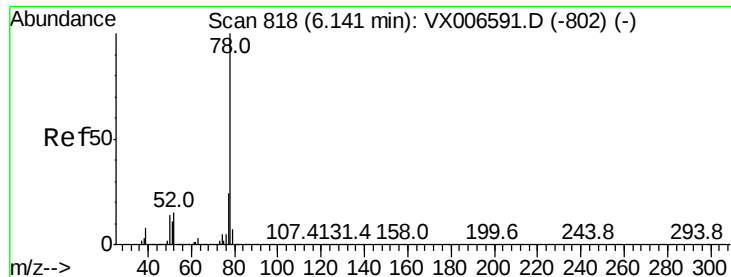


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.363 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

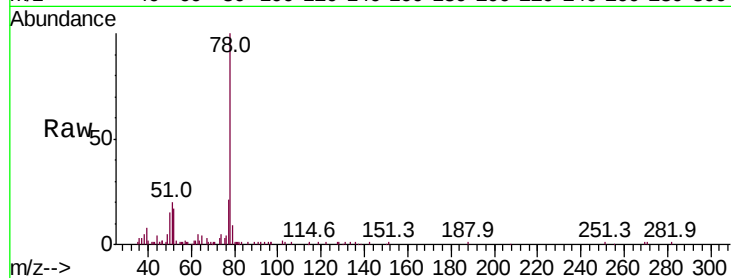
T2-MW-4-8.0-121918DL

Tot Ion: 78 Resp: 32505

Ion Ratio Lower Upper

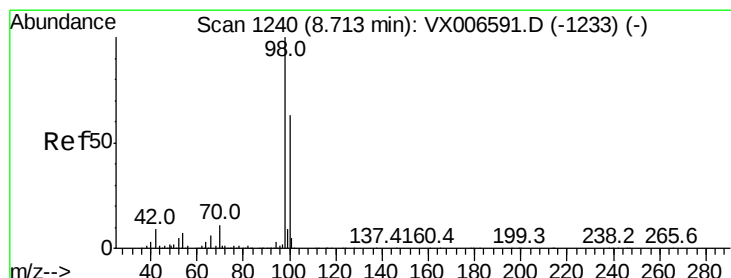
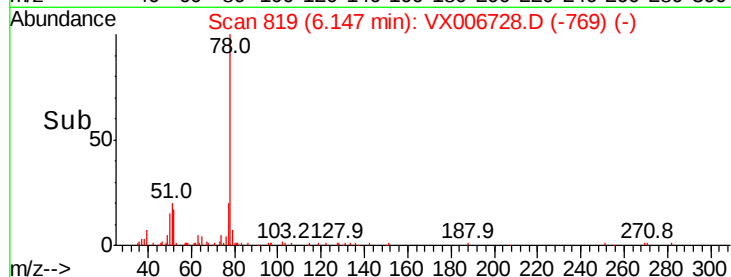
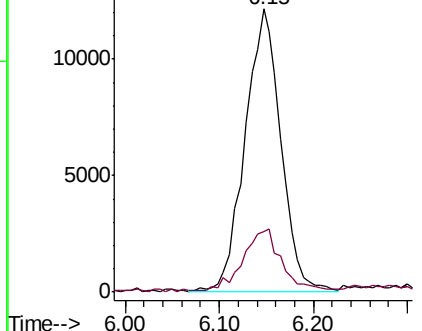
78 100

77 20.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.316 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006728.D

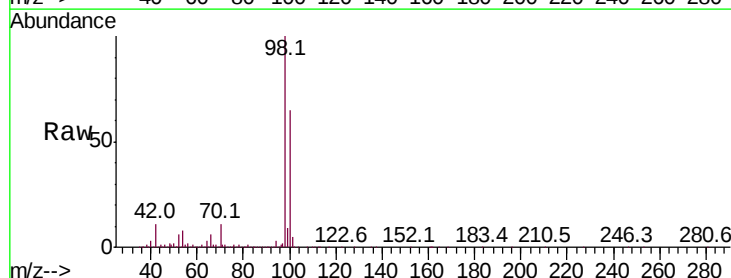
Acq: 21 Dec 2018 17:17

Tgt Ion: 98 Resp: 1114107

Ion Ratio Lower Upper

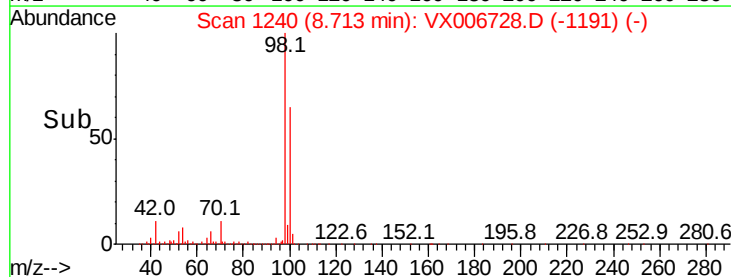
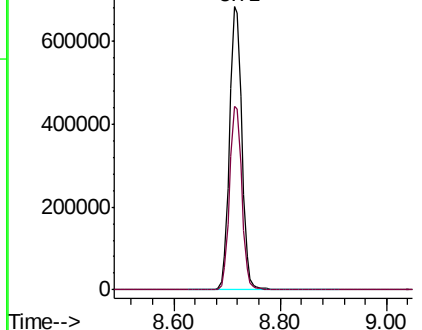
98 100

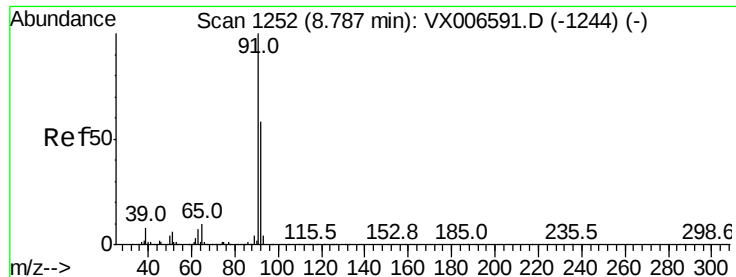
100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.496 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Instrument :

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ClientSampleId :

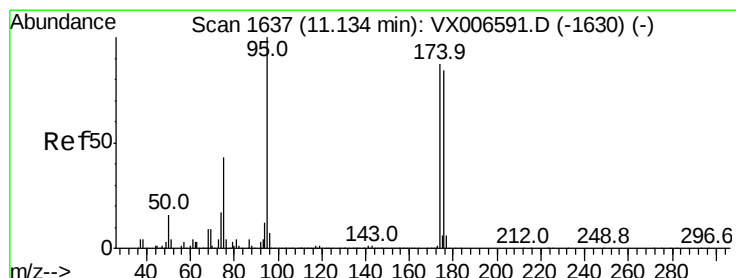
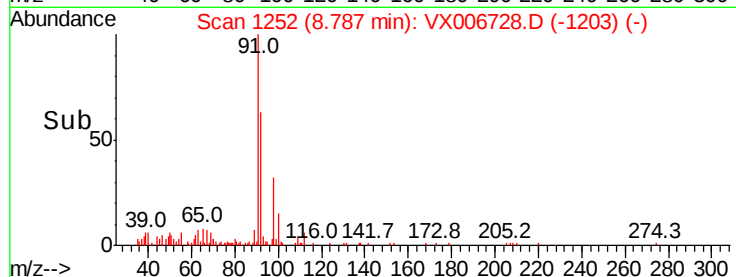
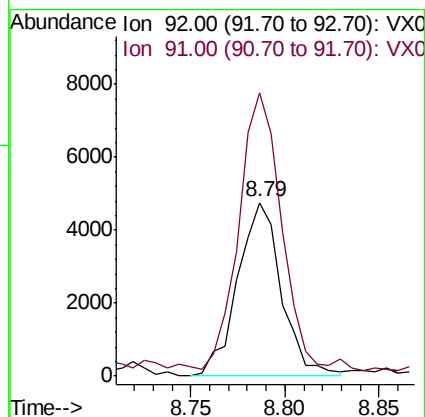
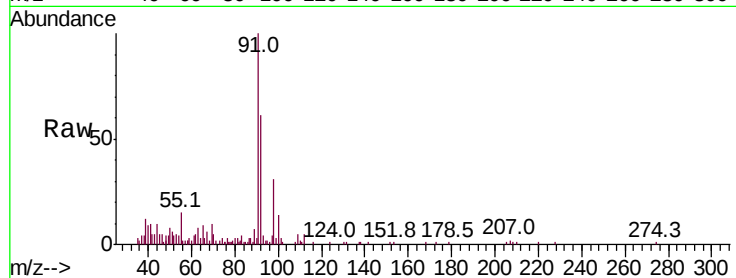
T2-MW-4-8.0-121918DL

Tot Ion: 92 Resp: 7641

Ion Ratio Lower Upper

92 100

91 152.8 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 47.064 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

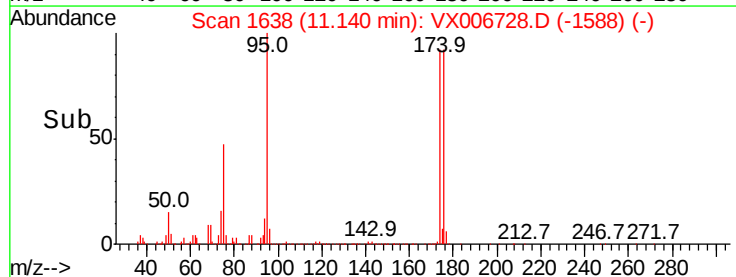
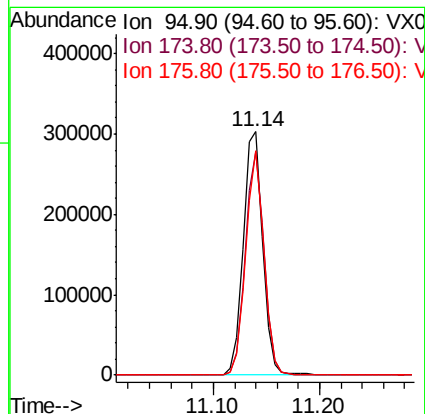
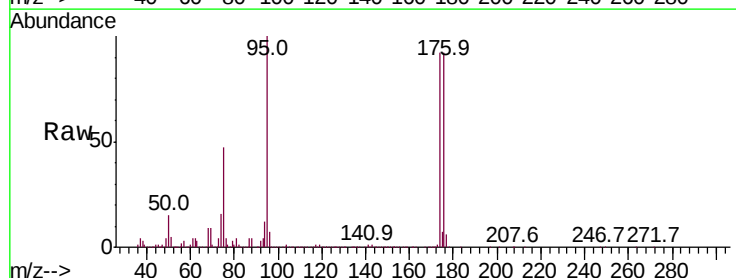
Tgt Ion: 95 Resp: 389397

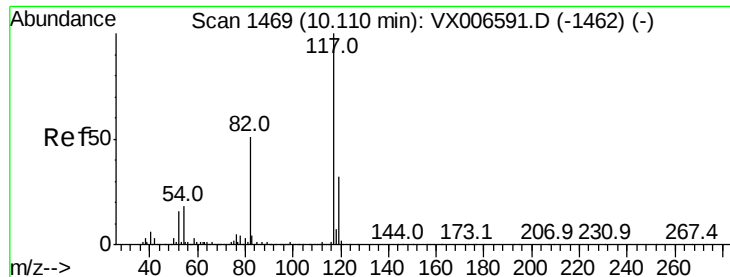
Ion Ratio Lower Upper

95 100

174 88.5 0.0 182.2

176 86.3 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918DL

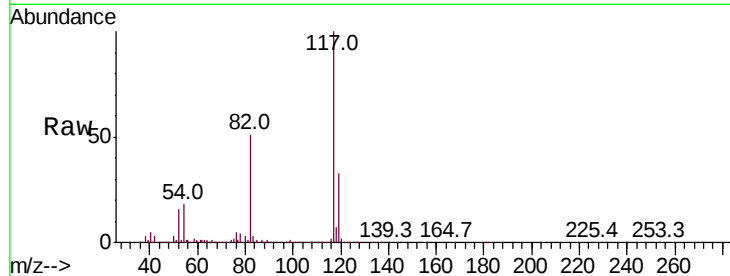
Tot Ion:117 Resp: 850415

Ion Ratio Lower Upper

117 100

82 50.8 41.0 61.6

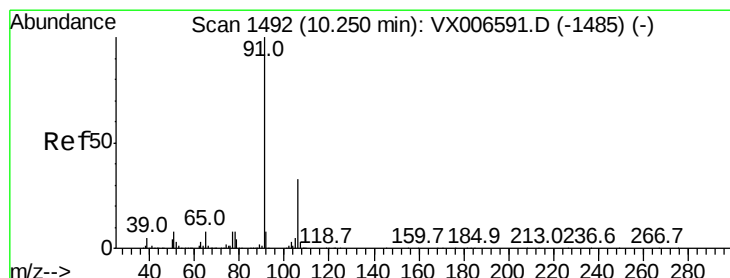
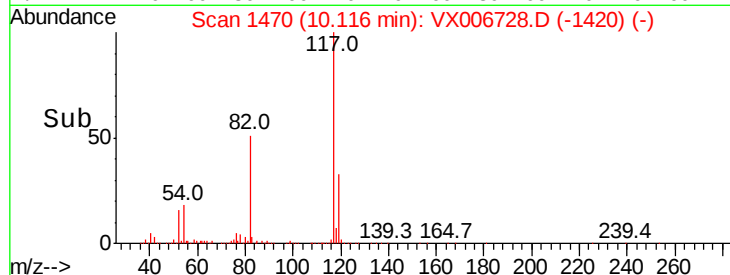
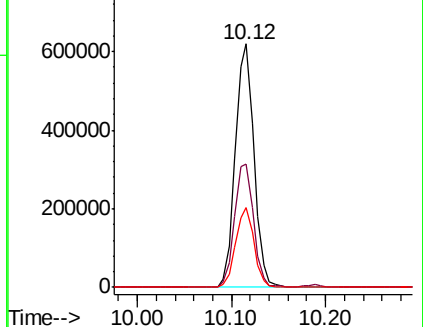
119 32.6 25.4 38.0



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: 1.474 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006728.D

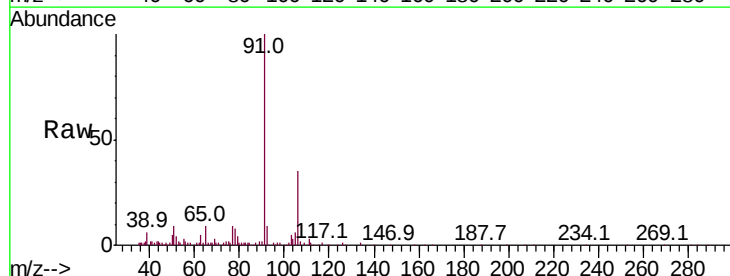
Acq: 21 Dec 2018 17:17

Tgt Ion: 91 Resp: 43336

Ion Ratio Lower Upper

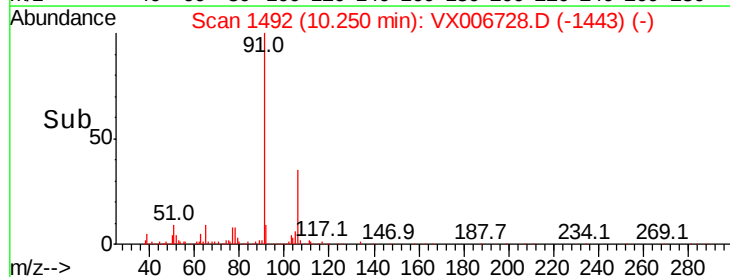
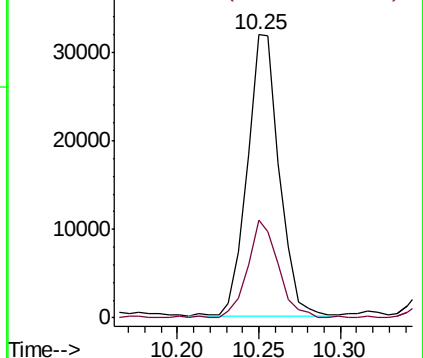
91 100

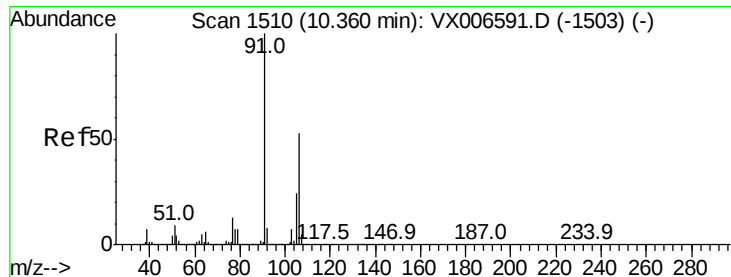
106 34.5 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 0.510 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

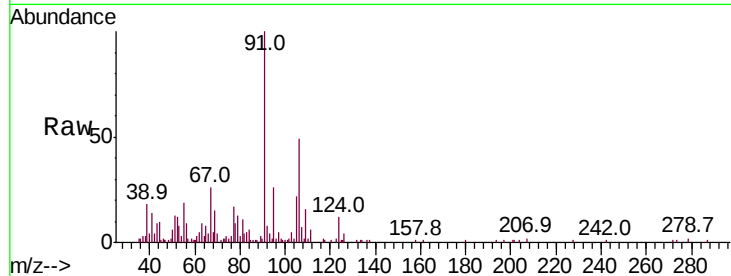
T2-MW-4-8.0-121918DL

Tot Ion:106 Resp: 5911

Ion Ratio Lower Upper

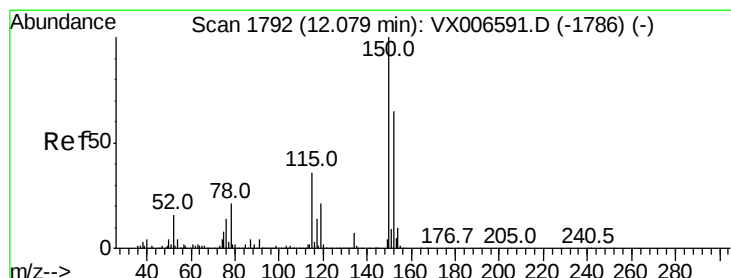
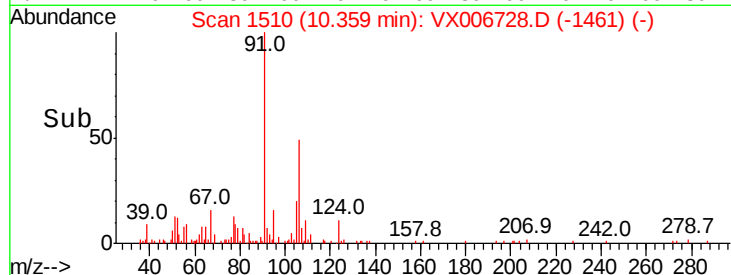
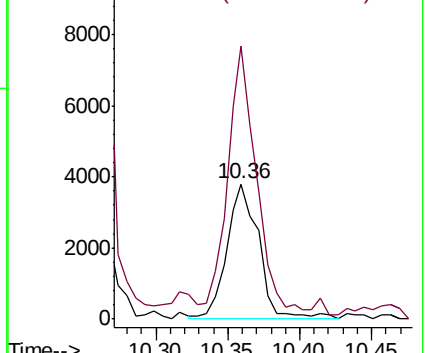
106 100

91 171.6 155.8 233.6



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: VX006728.D

Acq: 21 Dec 2018 17:17

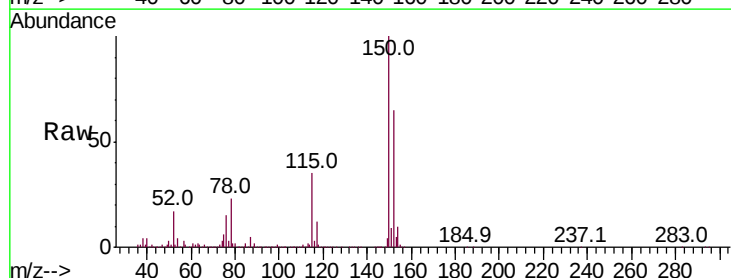
Tgt Ion:152 Resp: 406173

Ion Ratio Lower Upper

152 100

115 54.6 39.1 117.2

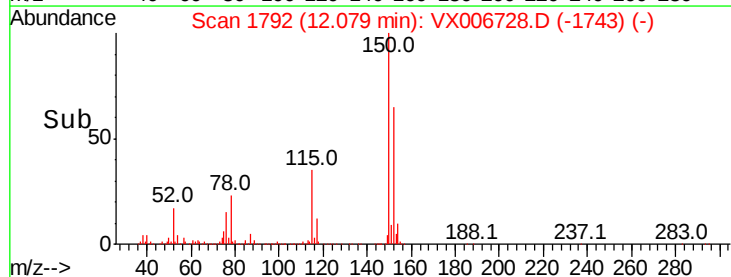
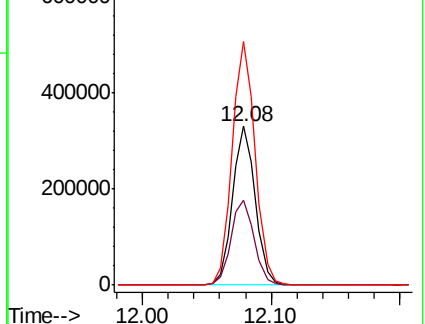
150 155.6 0.0 344.8

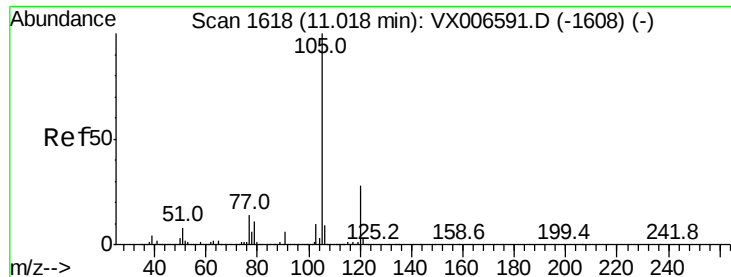


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.015 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

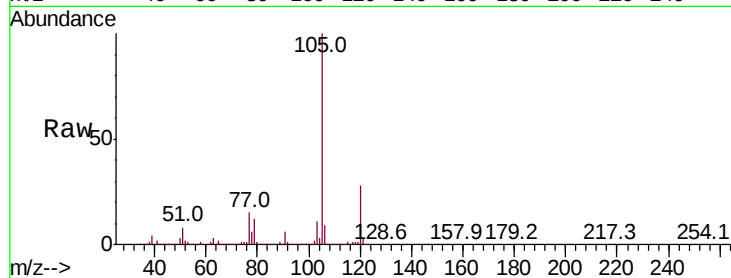
T2-MW-4-8.0-121918DL

Tot Ion:105 Resp: 528382

Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

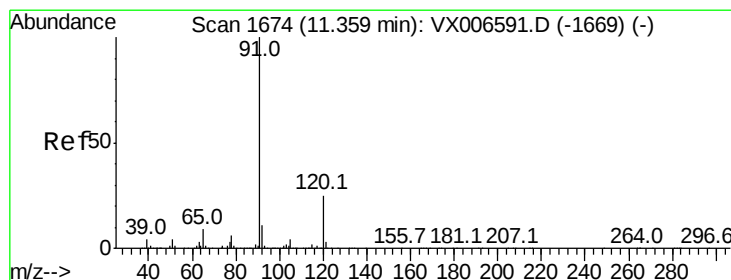
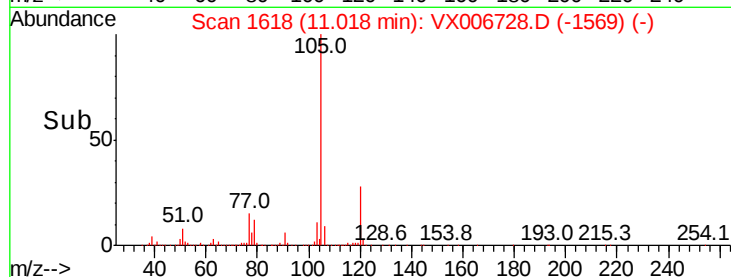
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#78

n-propylbenzene

Concen: 42.104 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006728.D

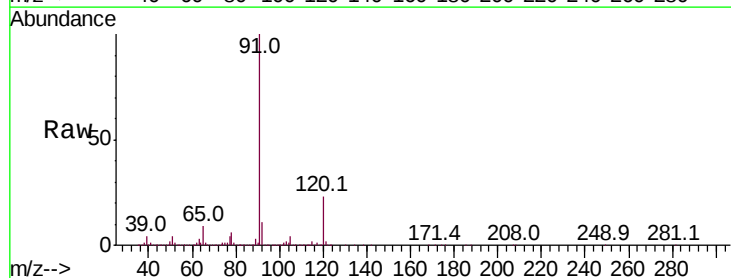
Acq: 21 Dec 2018 17:17

Tgt Ion: 91 Resp: 1288348

Ion Ratio Lower Upper

91 100

120 24.2 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

1200000

1000000

800000

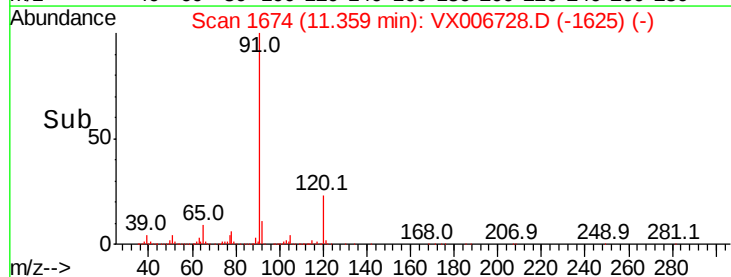
600000

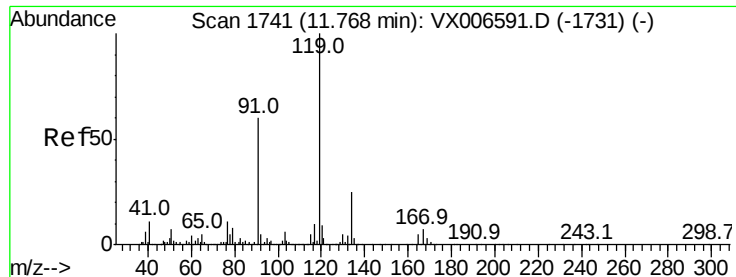
400000

200000

0

Time--> 11.30 11.40





#83

tert-Butylbenzene

Concen: 0.297 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918DL

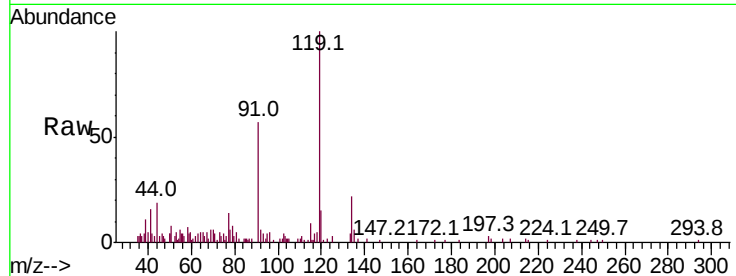
Tot Ion:119 Resp: 6794

Ion Ratio Lower Upper

119 100

91 60.3 27.7 83.1

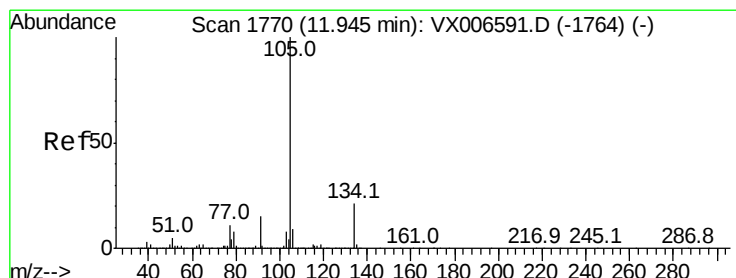
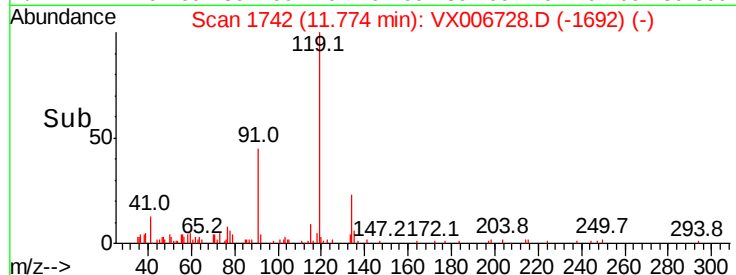
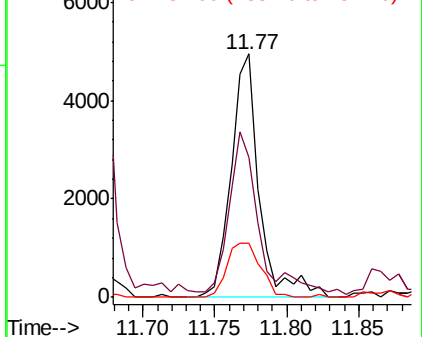
134 26.8 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 3.201 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006728.D

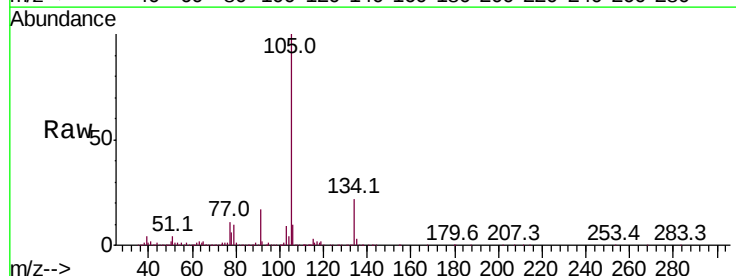
Acq: 21 Dec 2018 17:17

Tgt Ion:105 Resp: 89900

Ion Ratio Lower Upper

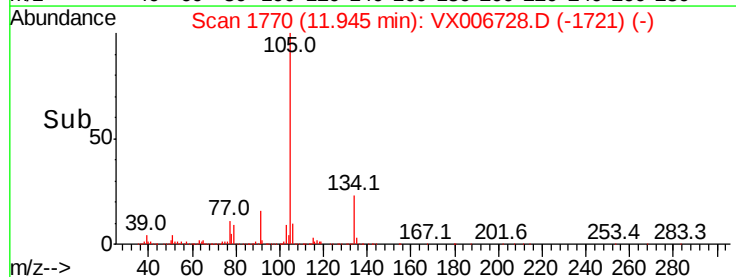
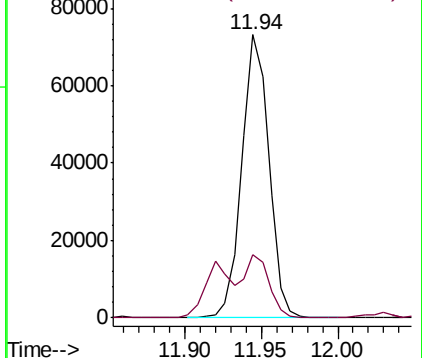
105 100

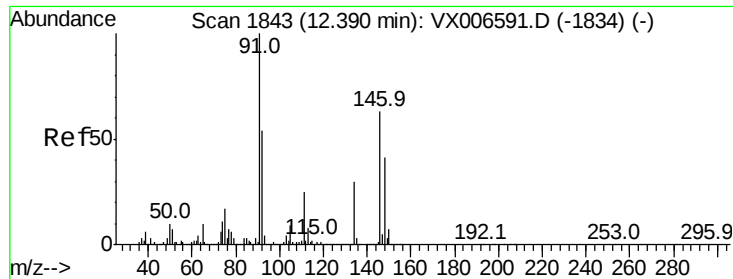
134 20.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 6.650 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918DL

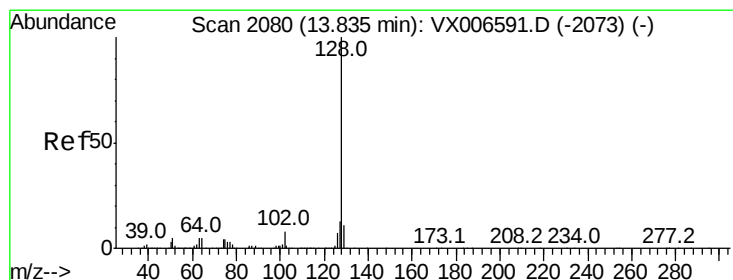
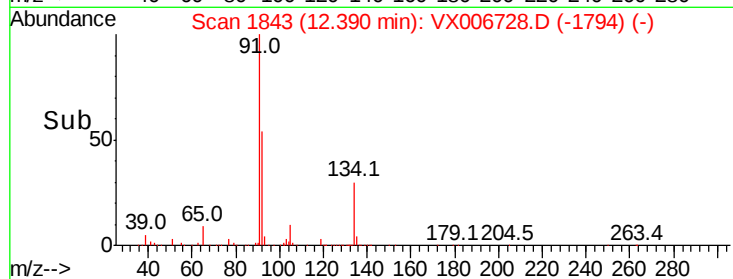
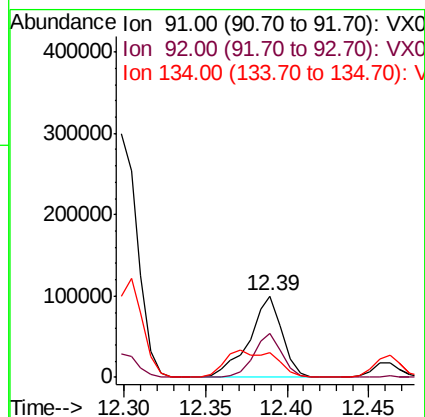
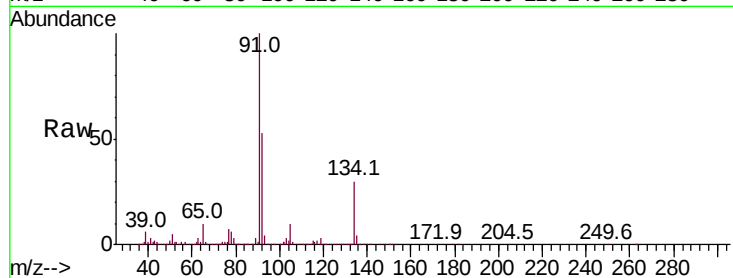
Tot Ion: 91 Resp: 139711

Ion Ratio Lower Upper

91 100

92 46.5 26.8 80.4

134 50.2 14.4 43.2#



#95

Naphthalene

Concen: 28.041 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006728.D

Acq: 21 Dec 2018 17:17

Tgt Ion: 128 Resp: 836130

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 11.6 8.6 13.0

