

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004691.D
 Acq On : 19 Sep 2018 06:56
 Operator : JC/MD
 Sample : J4941-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB47199RT

Quant Time: Sep 19 12:40:54 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	250737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196427	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	147227	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
35) Dibromofluoromethane	5.49	113	143331	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	8.71	98	460007	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	
62) 4-Bromofluorobenzene	11.14	95	162153	43.83	ug/l	0.00
Spiked Amount			Recovery	=	87.66%	

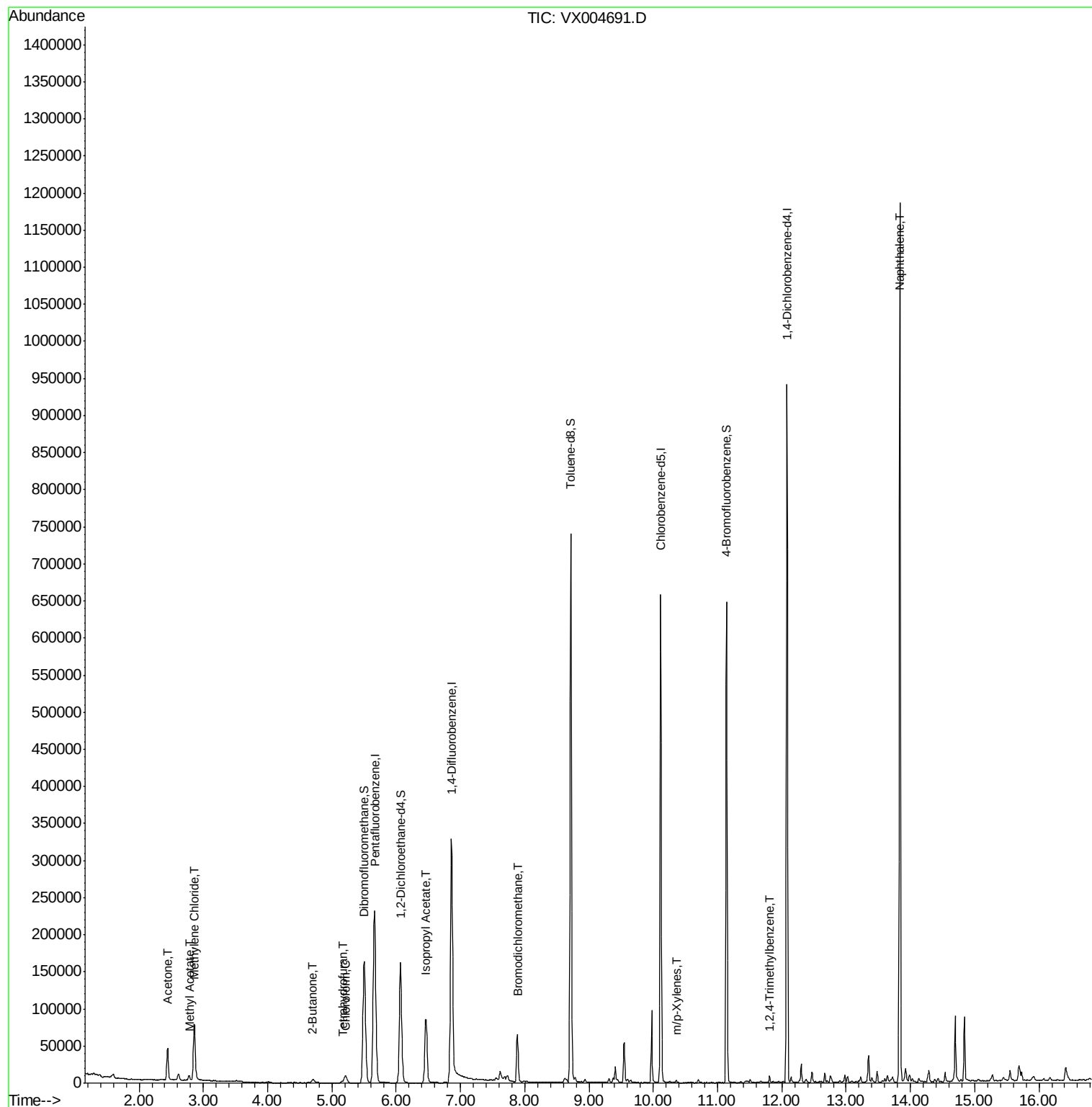
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	44366	28.12	ug/l	97
18) Methyl Acetate	2.78	43	7332	1.66	ug/l	99
20) Methylene Chloride	2.85	84	38423	11.87	ug/l	99
25) 2-Butanone	4.70	43	9555	3.80	ug/l	90
29) Tetrahydrofuran	5.17	42	1908	1.26	ug/l	97
30) Chloroform	5.21	83	11596	2.17	ug/l	92
43) Isopropyl Acetate	6.46	43	119481	19.29	ug/l	99
47) Bromodichloromethane	7.90	83	2328	0.67	ug/l #	89
68) m/p-Xylenes	10.35	106	1002	0.21	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	4032	0.36	ug/l	94
95) Naphthalene	13.83	128	712803	53.15	ug/l	99

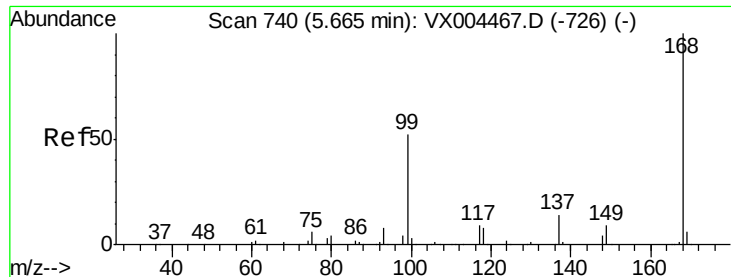
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

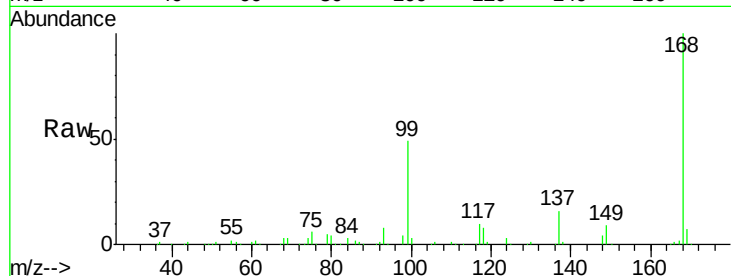
RB47199RT

Tot Ion:168 Resp: 250737

Ion Ratio Lower Upper

168 100

99 49.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

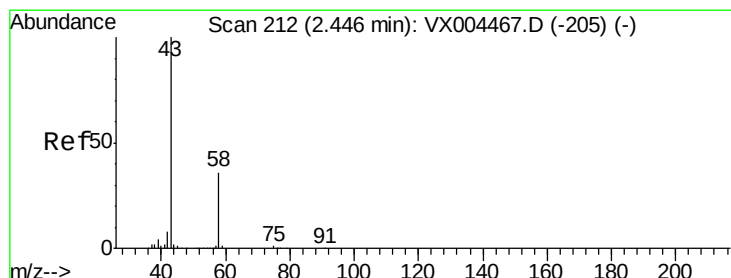
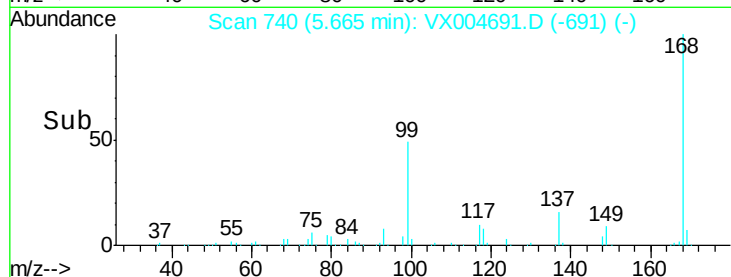
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#16

Acetone

Concen: 28.12 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004691.D

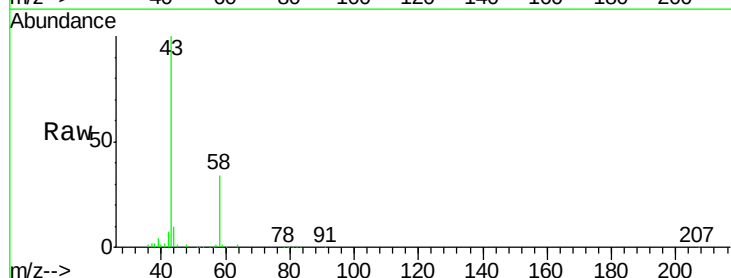
Acq: 19 Sep 2018 06:56

Tgt Ion: 43 Resp: 44366

Ion Ratio Lower Upper

43 100

58 34.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

30000

25000

20000

15000

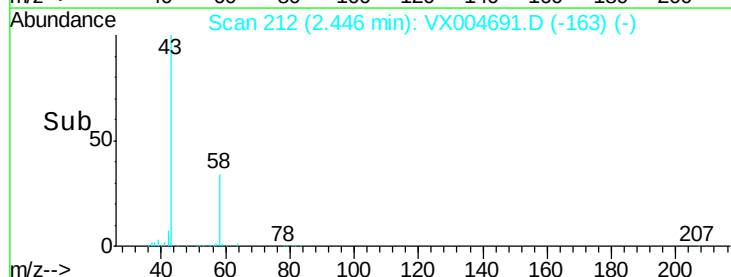
10000

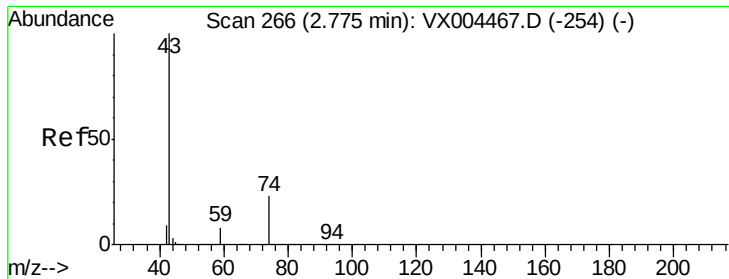
5000

0

Time-->

2.35 2.40 2.45 2.50 2.55





#18

Methvl Acetate

Concen: 1.66 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

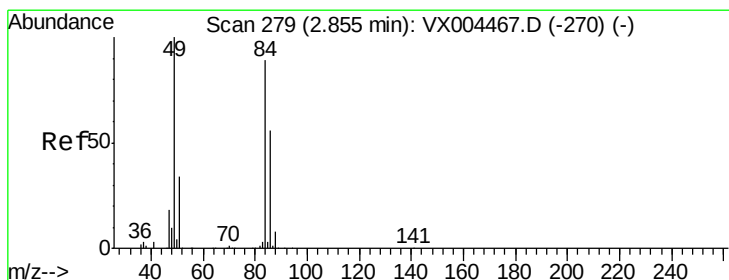
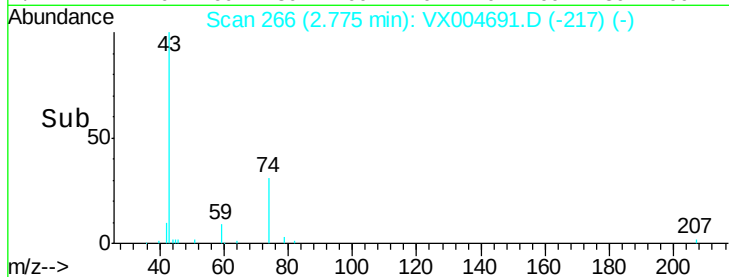
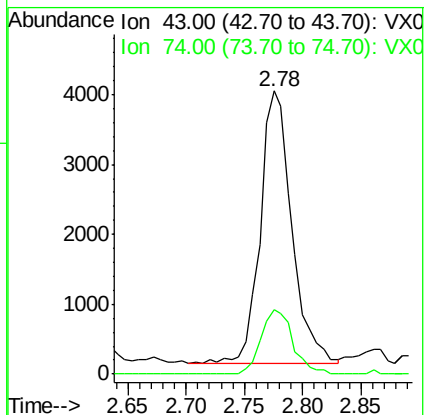
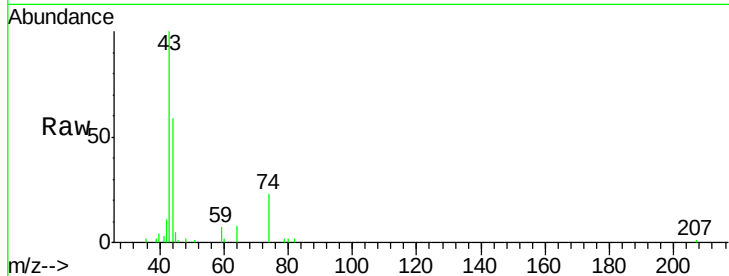
RB47199RT

Tot Ion: 43 Resp: 7332

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2



#20

Methylene Chloride

Concen: 11.87 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Tgt Ion: 84 Resp: 38423

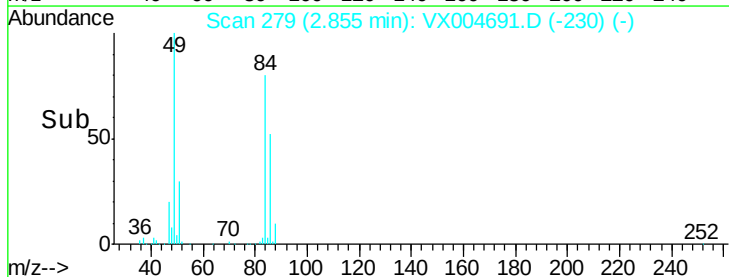
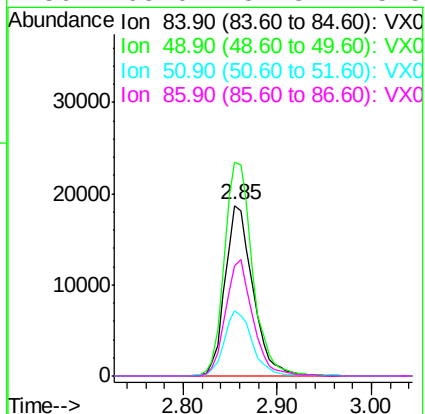
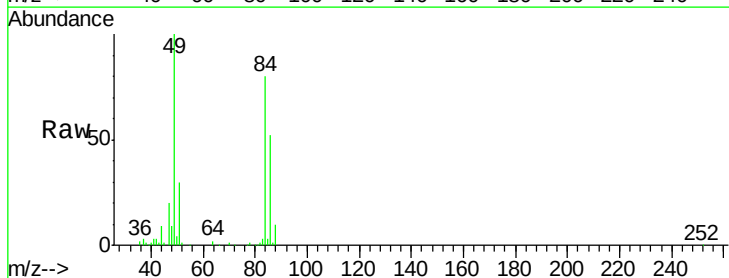
Ion Ratio Lower Upper

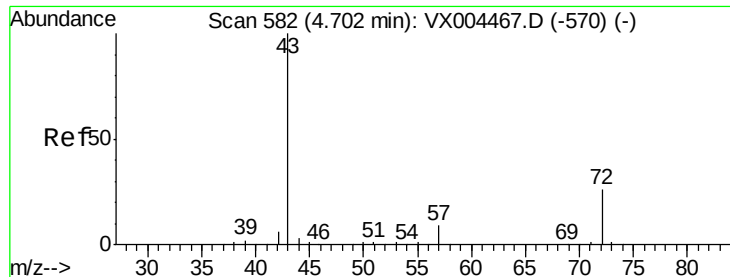
84 100

49 125.4 101.2 151.8

51 38.0 29.5 44.3

86 65.0 52.3 78.5





#25

2-Butanone

Concen: 3.80 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

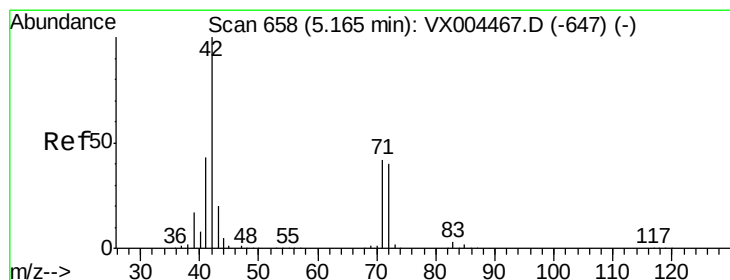
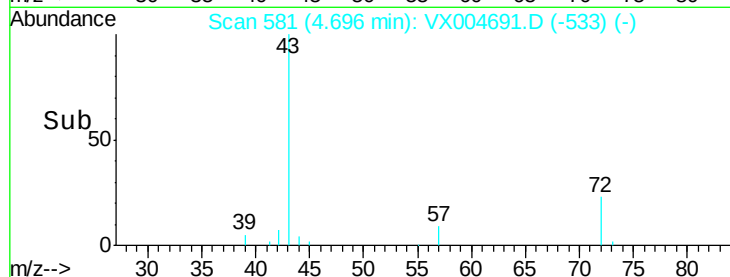
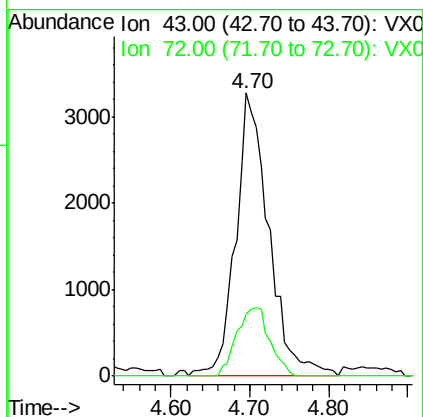
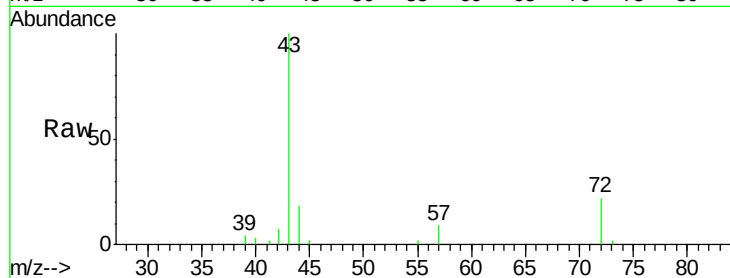
RB47199RT

Tot Ion: 43 Resp: 9555

Ion Ratio Lower Upper

43 100

72 22.1 22.0 33.0



#29

Tetrahydrofuran

Concen: 1.26 ug/l

RT: 5.17 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

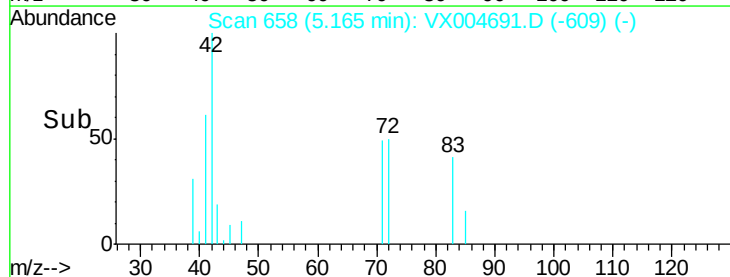
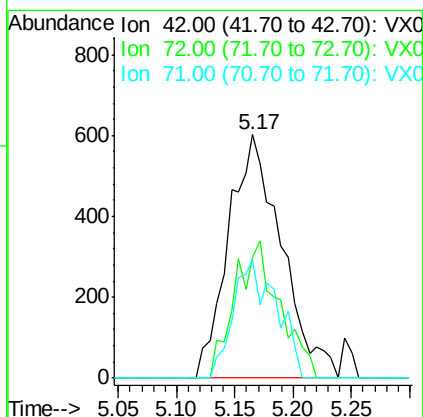
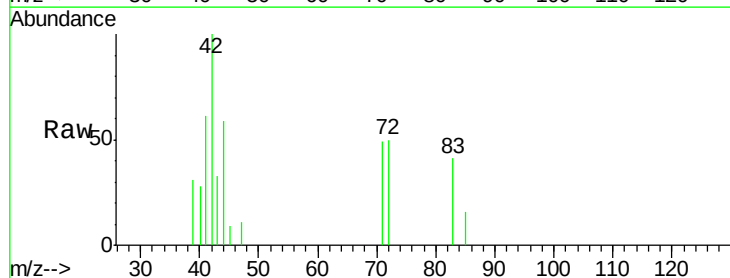
Tgt Ion: 42 Resp: 1908

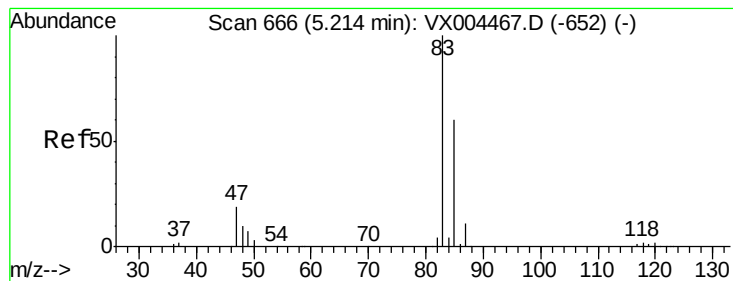
Ion Ratio Lower Upper

42 100

72 47.3 37.4 56.0

71 39.8 34.5 51.7





#30

Chloroform

Concen: 2.17 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

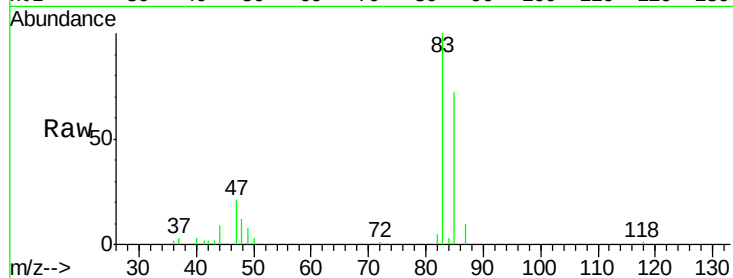
RB47199RT

Tot Ion: 83 Resp: 11596

Ion Ratio Lower Upper

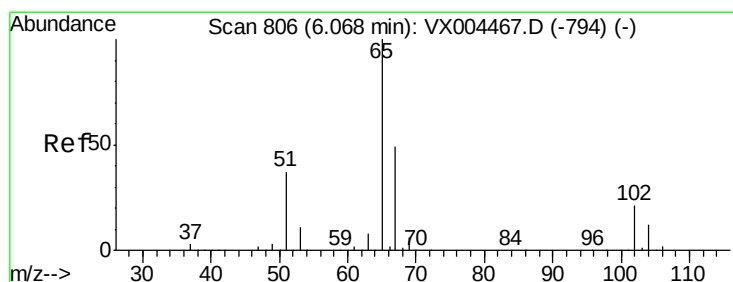
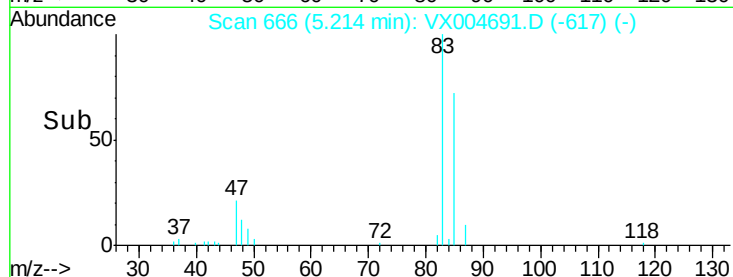
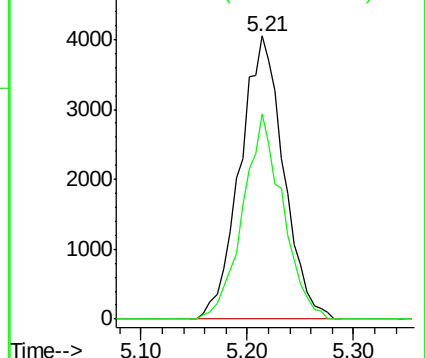
83 100

85 72.5 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.54 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004691.D

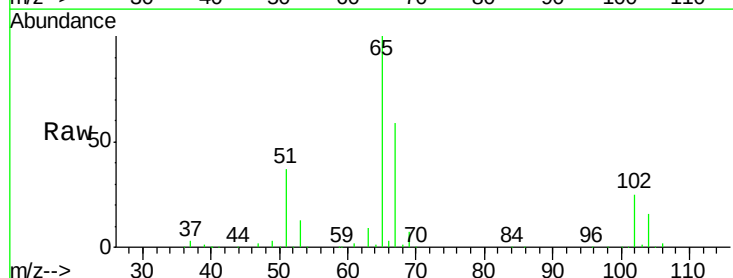
Acq: 19 Sep 2018 06:56

Tgt Ion: 65 Resp: 147227

Ion Ratio Lower Upper

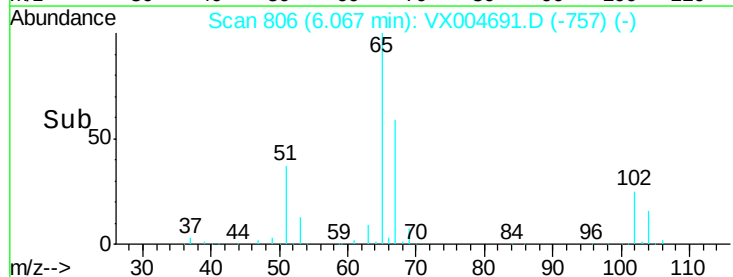
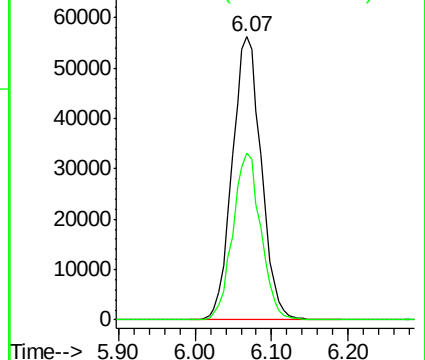
65 100

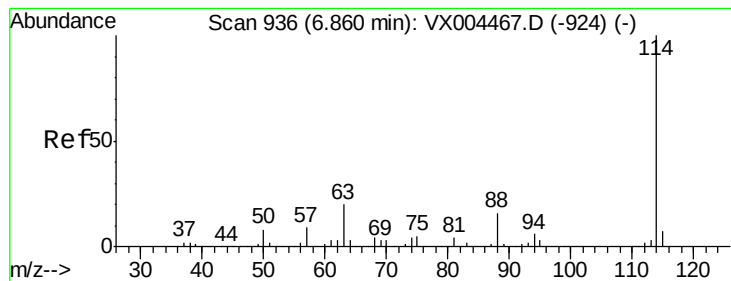
67 57.1 0.0 106.8



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: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

RB47199RT

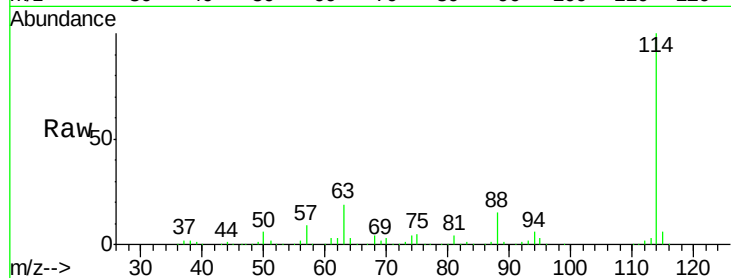
Tot Ion:114 Resp: 337757

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.0

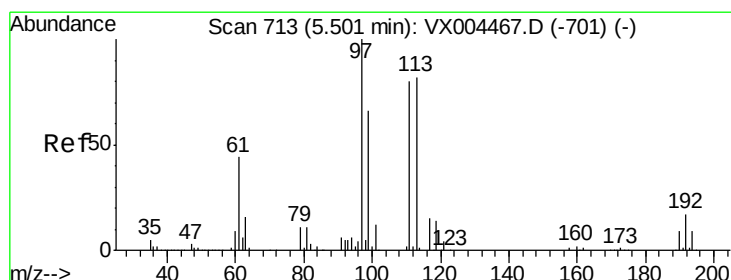
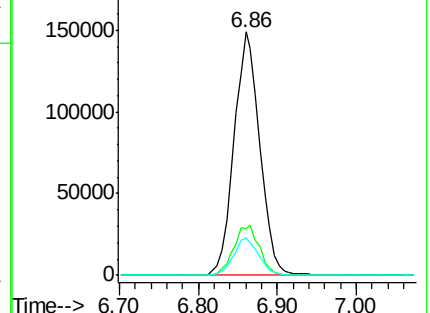
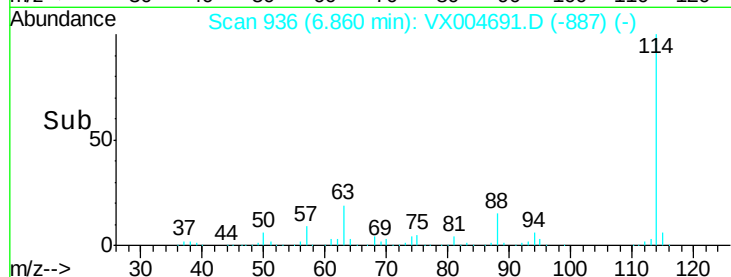
88 15.3 0.0 30.4



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: 46.37 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

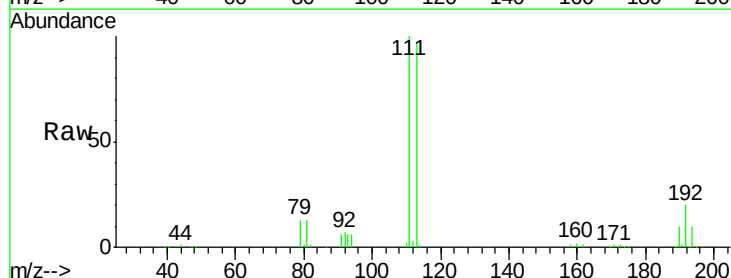
Tgt Ion:113 Resp: 143331

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

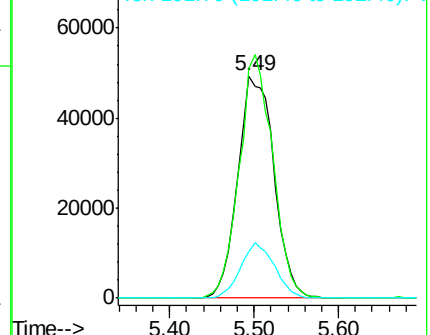
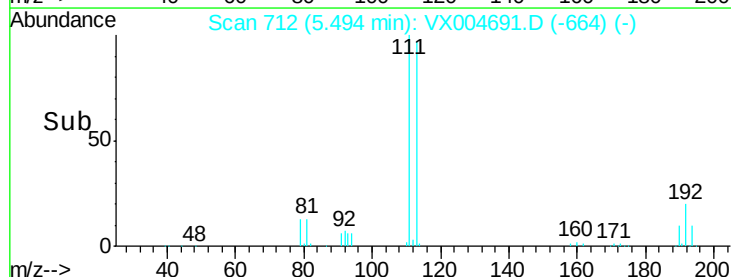
192 23.4 19.4 29.2

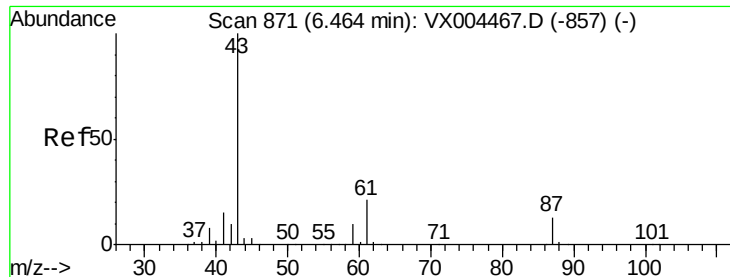


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 19.29 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

RB47199RT

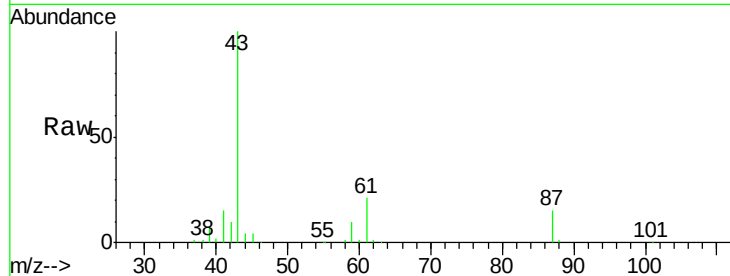
Tot Ion: 43 Resp: 119481

Ion Ratio Lower Upper

43 100

61 20.6 17.0 25.4

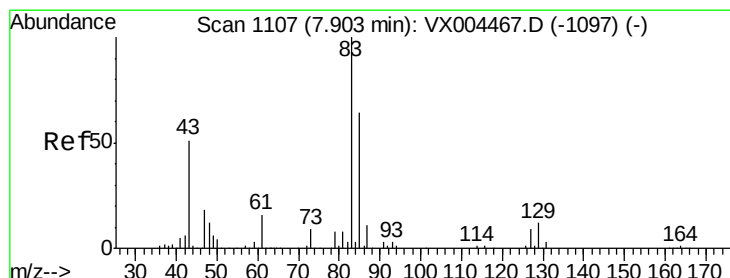
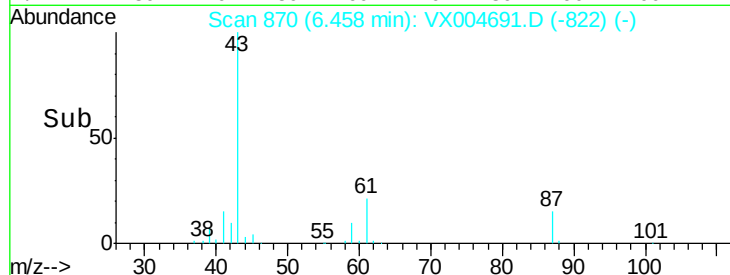
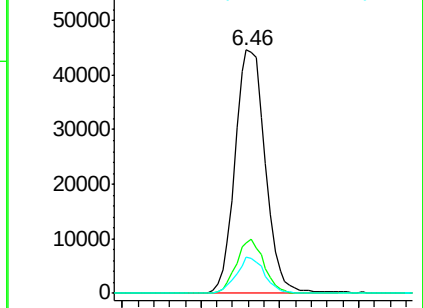
87 13.8 11.4 17.2



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



#47

Bromodichloromethane

Concen: 0.67 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

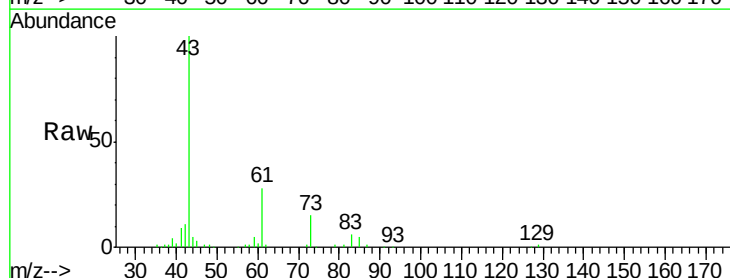
Tgt Ion: 83 Resp: 2328

Ion Ratio Lower Upper

83 100

85 72.9 50.9 76.3

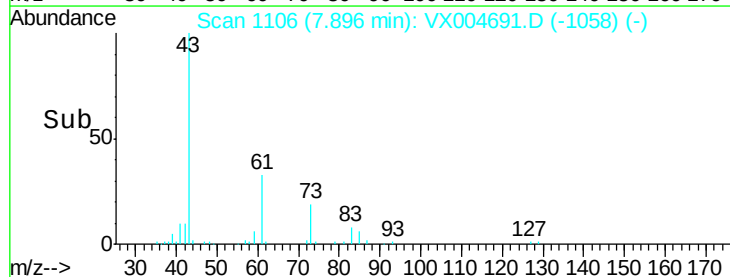
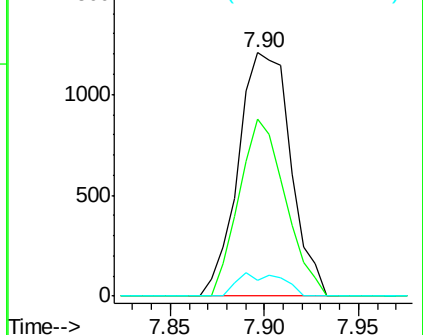
127 6.5 7.3 10.9#

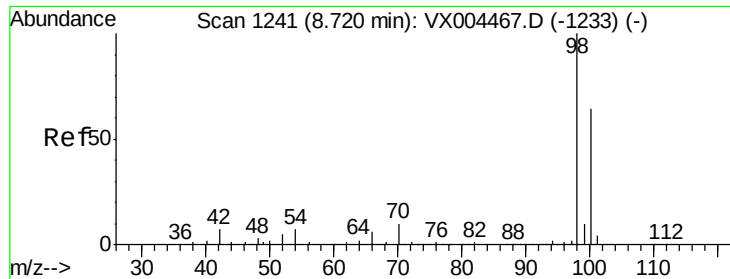


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

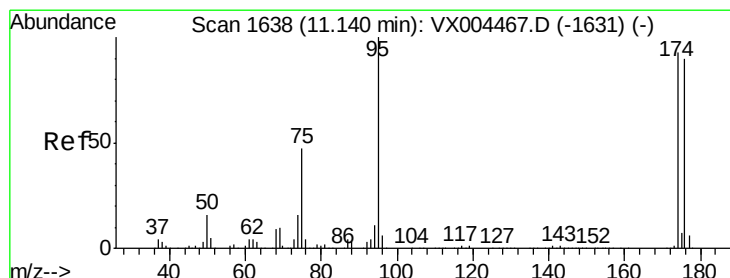
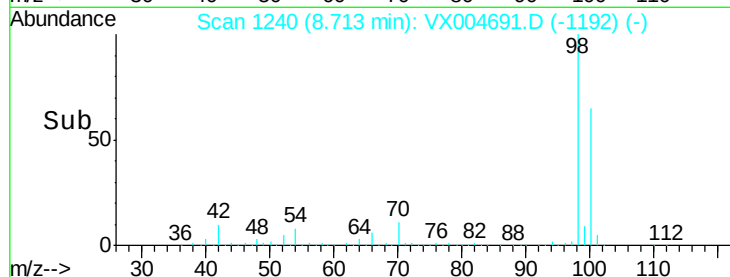
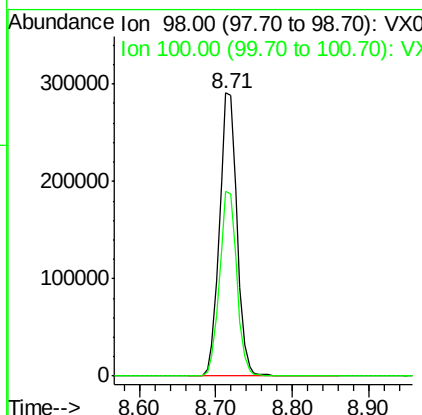
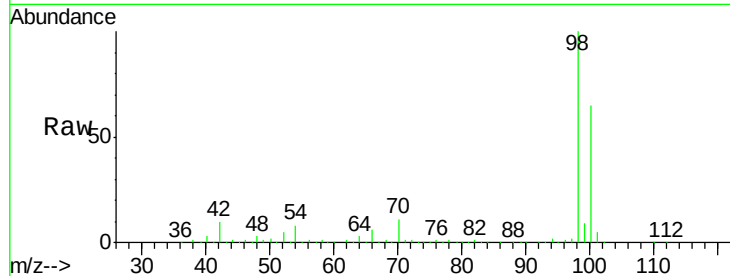




#50
Toluene-d8
Concen: 44.38 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

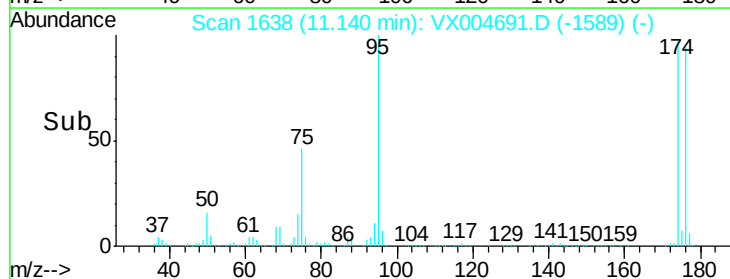
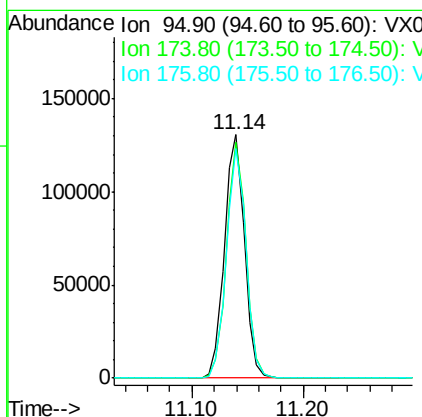
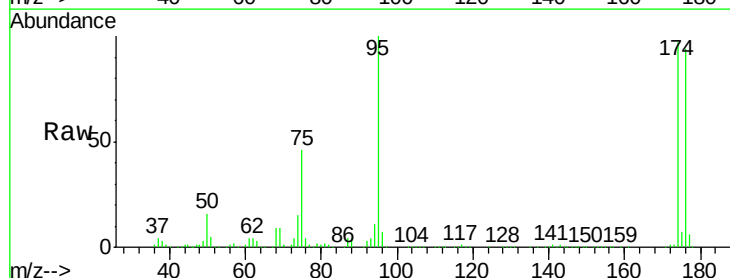
Instrument :
MSVOA_X
ClientSampleId :
RB47199RT

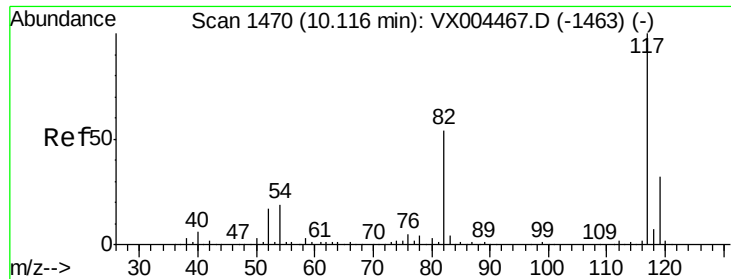
Tot Ion: 98 Resp: 460007
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 43.83 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Tgt Ion: 95 Resp: 162153
Ion Ratio Lower Upper
95 100
174 94.5 0.0 185.2
176 92.3 0.0 178.6

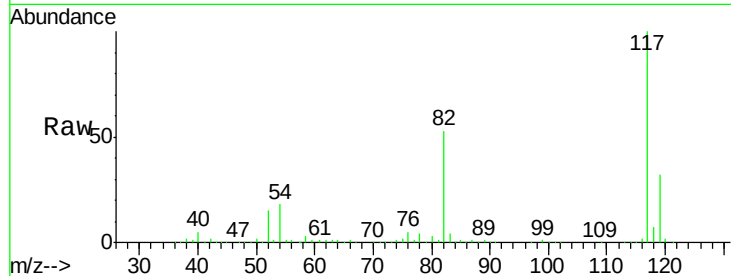




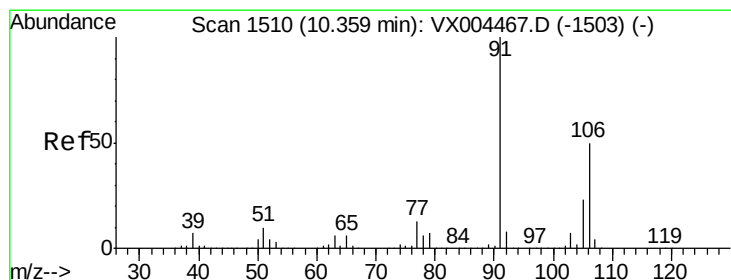
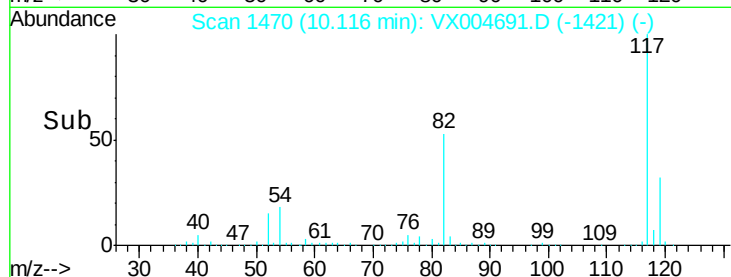
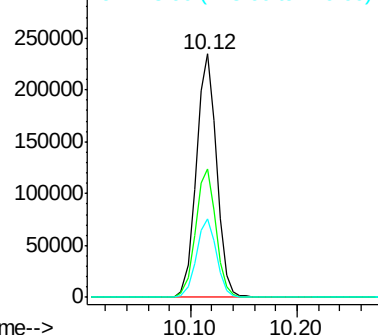
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Instrument :
MSVOA_X
ClientSampleId :
RB47199RT

Tot Ion:117 Resp: 312398
Ion Ratio Lower Upper
117 100
82 52.5 47.8 71.6
119 32.3 29.3 43.9

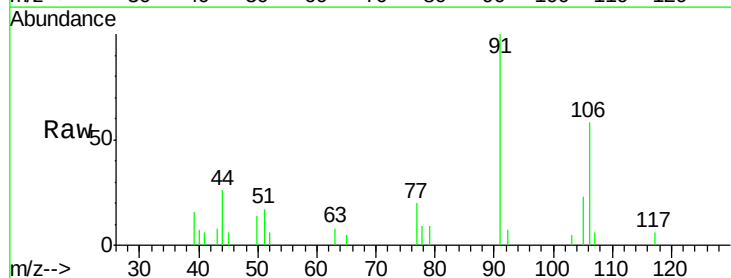


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

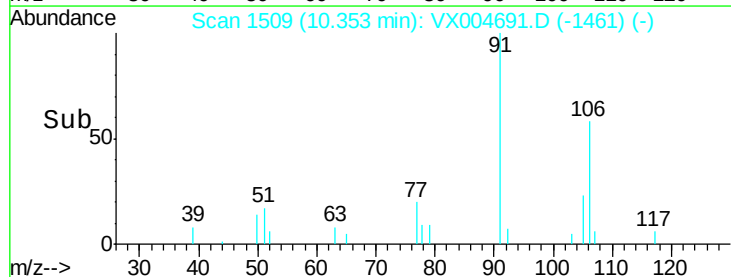
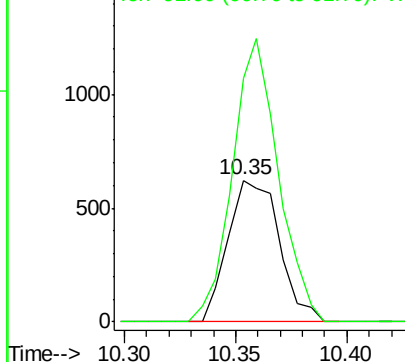


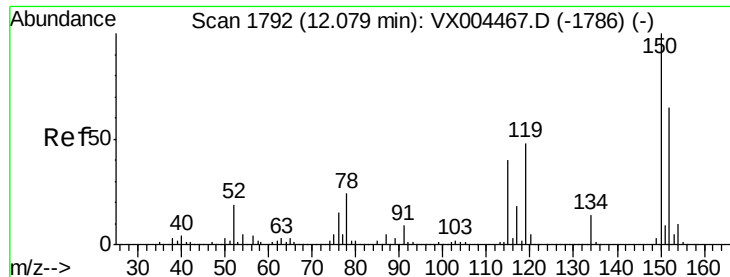
#68
m/p-Xylenes
Concen: 0.21 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Tgt Ion:106 Resp: 1002
Ion Ratio Lower Upper
106 100
91 177.8 157.1 235.7



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: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

RB47199RT

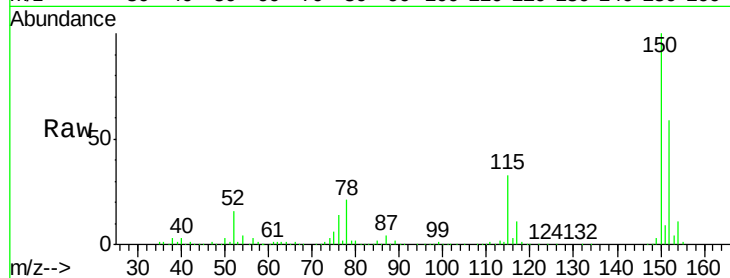
Tot Ion:152 Resp: 196427

Ion Ratio Lower Upper

152 100

115 54.7 39.0 117.0

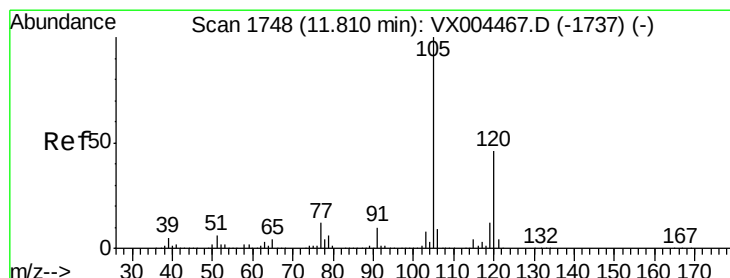
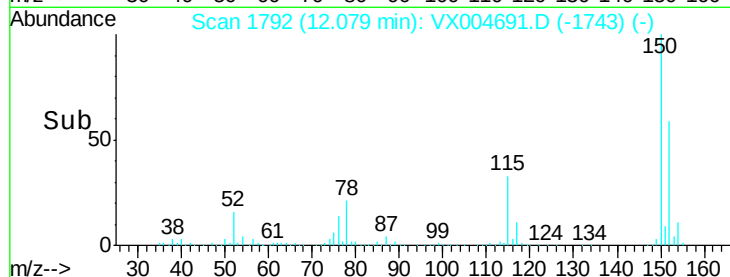
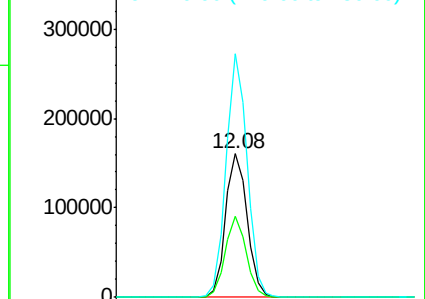
150 164.4 0.0 351.0



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: 0.36 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VX004691.D

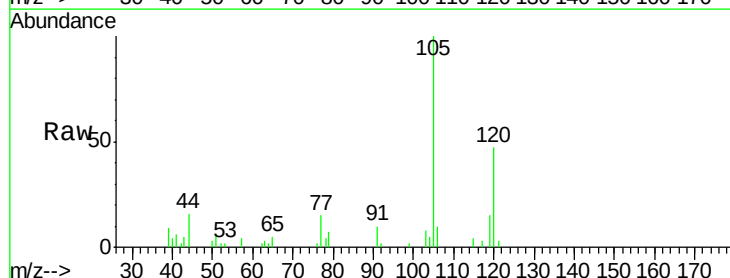
Acq: 19 Sep 2018 06:56

Tgt Ion:105 Resp: 4032

Ion Ratio Lower Upper

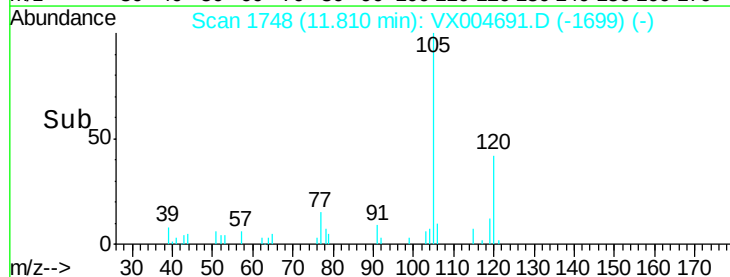
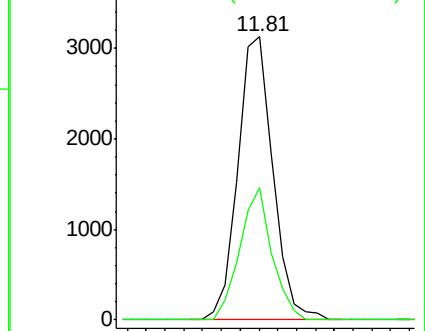
105 100

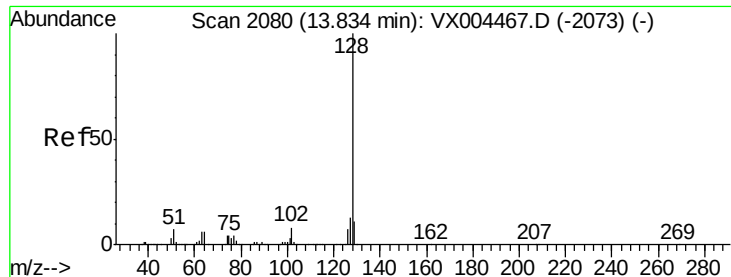
120 42.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

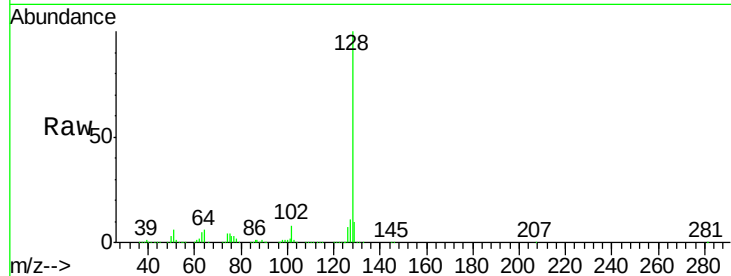




#95
 Naphthalene
 Concen: 53.15 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX004691.D
 Acq: 19 Sep 2018 06:56

Instrument :
 MSVOA_X
 ClientSampleId :
 RB47199RT

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	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

