

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004667.D
 Acq On : 18 Sep 2018 19:23
 Operator : JC/MD
 Sample : J4940-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-2

Quant Time: Sep 19 05:02:33 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	247483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	389063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198359	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	144519	45.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.58%	
35) Dibromofluoromethane	5.51	113	141967	39.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.76%	
50) Toluene-d8	8.71	98	513430	43.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.00%	
62) 4-Bromofluorobenzene	11.14	95	187226	43.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.86%	

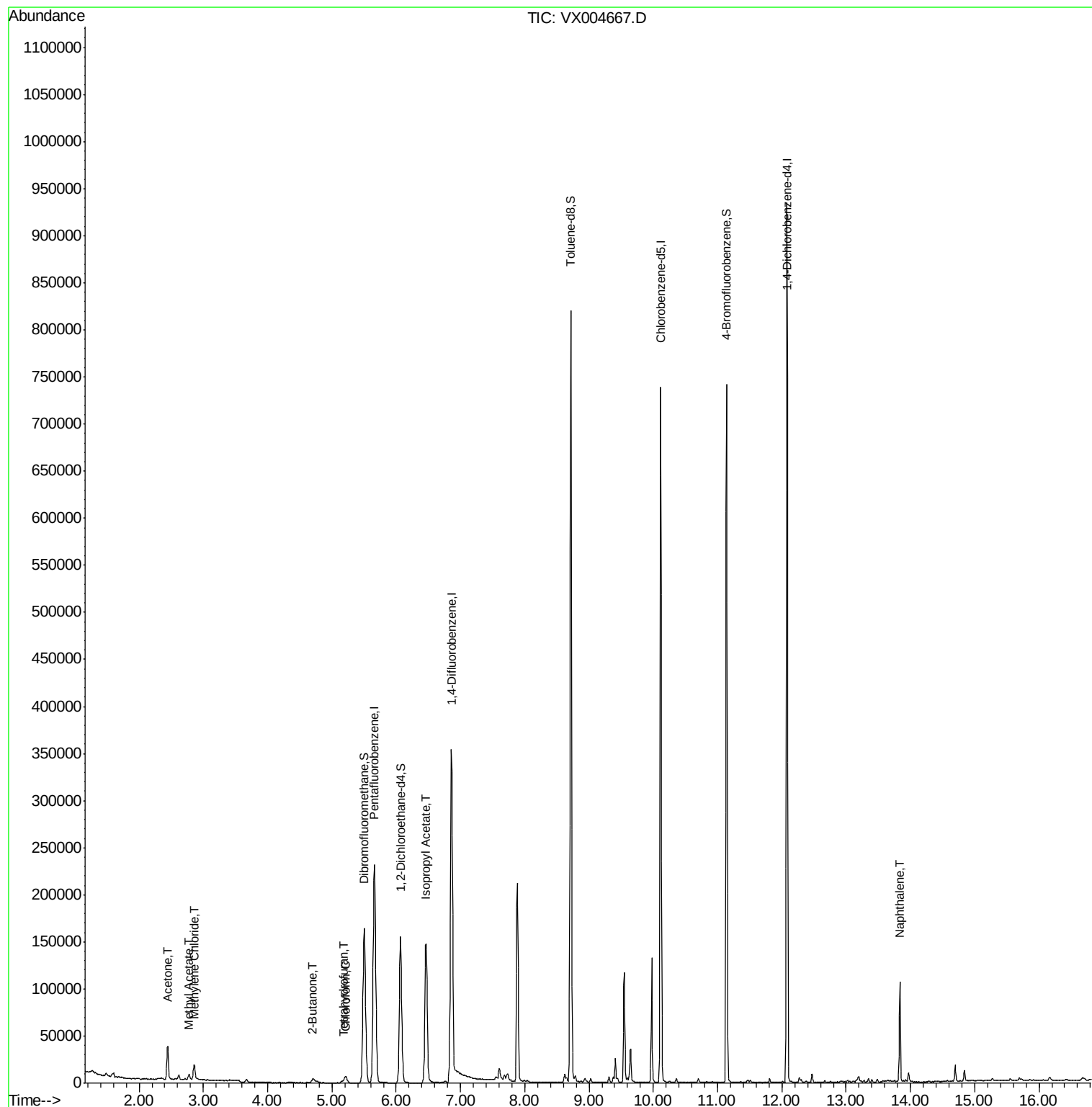
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	38423	24.67	ug/l	96
18) Methyl Acetate	2.78	43	6289	1.44	ug/l	96
20) Methylene Chloride	2.85	84	7649	2.39	ug/l	92
25) 2-Butanone	4.70	43	8306	3.35	ug/l	98
29) Tetrahydrofuran	5.17	42	1949	1.30	ug/l	97
30) Chloroform	5.21	83	7978	1.51	ug/l	95
43) Isopropyl Acetate	6.46	43	203798	28.56	ug/l	99
95) Naphthalene	13.83	128	66237	4.89	ug/l	98

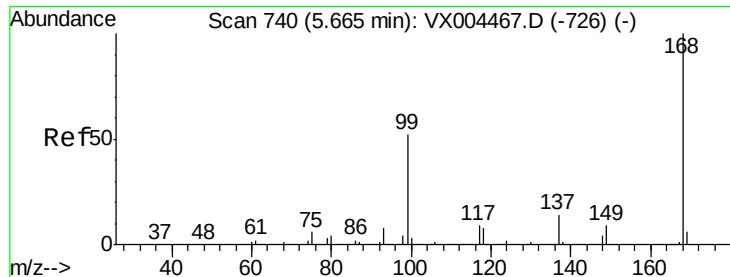
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 19 05:02:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
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: VX004667.D

Acq: 18 Sep 2018 19:23

Instrument :

MSVOA_X

ClientSampled :

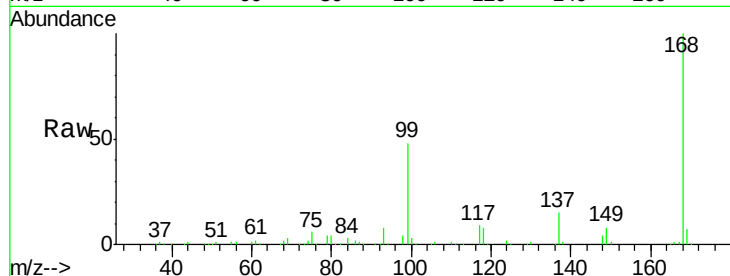
COMP-2

Tot Ion:168 Resp: 247483

Ion Ratio Lower Upper

168 100

99 47.7 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

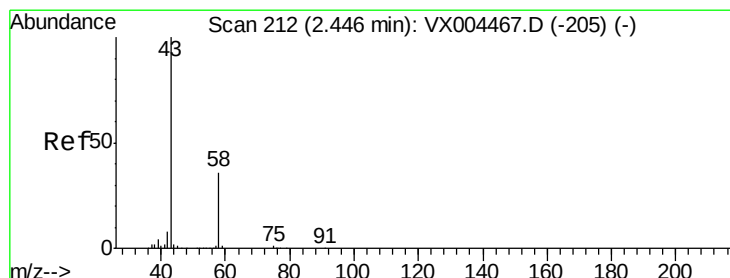
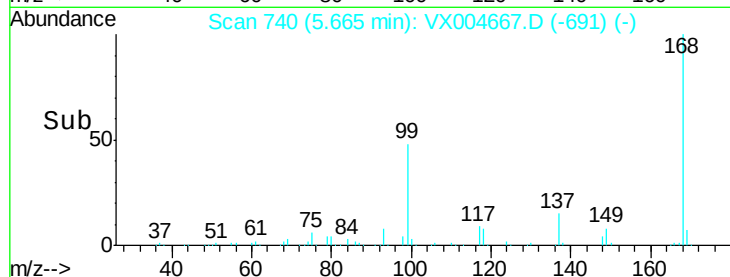
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#16

Acetone

Concen: 24.67 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004667.D

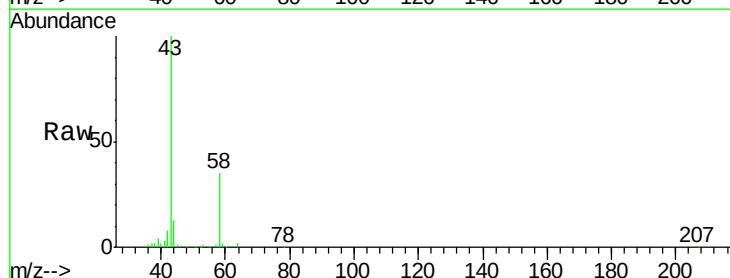
Acq: 18 Sep 2018 19:23

Tgt Ion: 43 Resp: 38423

Ion Ratio Lower Upper

43 100

58 35.1 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

25000

20000

15000

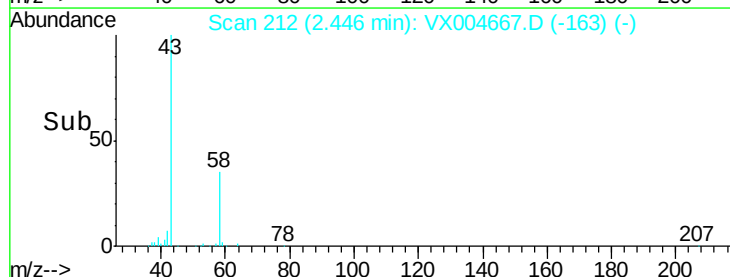
10000

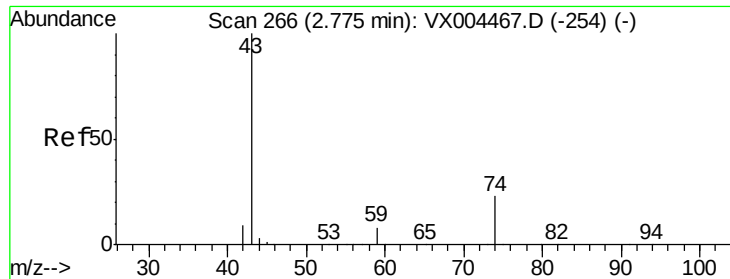
5000

0

2.35 2.40 2.45 2.50 2.55

Time-->





#18

Methyl Acetate

Concen: 1.44 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004667.D

Acq: 18 Sep 2018 19:23

Instrument :

MSVOA_X

ClientSampled :

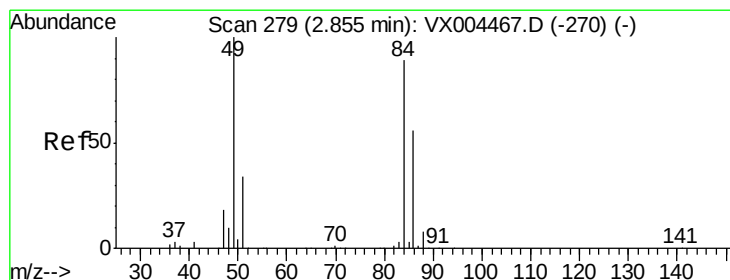
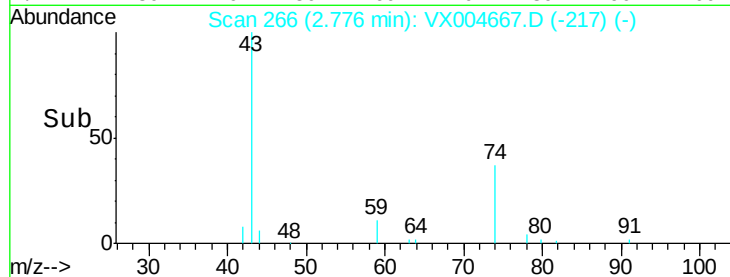
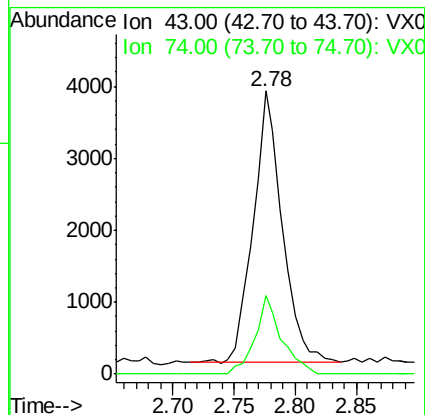
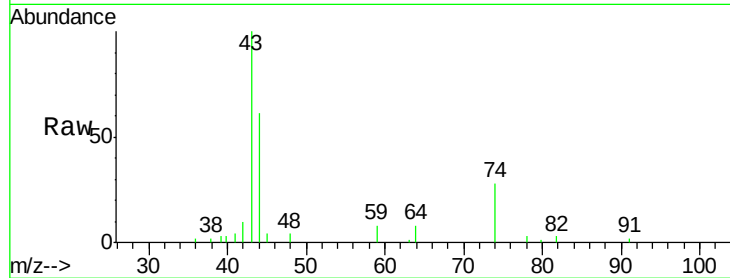
COMP-2

Tot Ion: 43 Resp: 6289

Ion Ratio Lower Upper

43 100

74 26.2 19.4 29.2



#20

Methylene Chloride

Concen: 2.39 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004667.D

Acq: 18 Sep 2018 19:23

Tgt Ion: 84 Resp: 7649

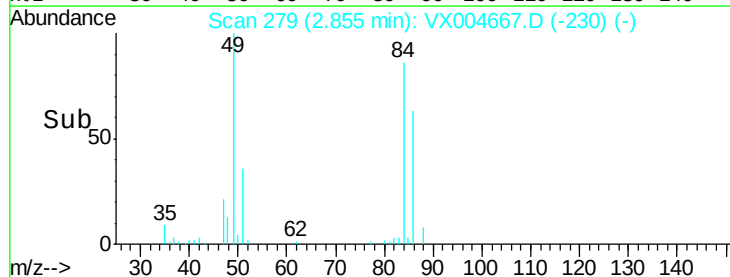
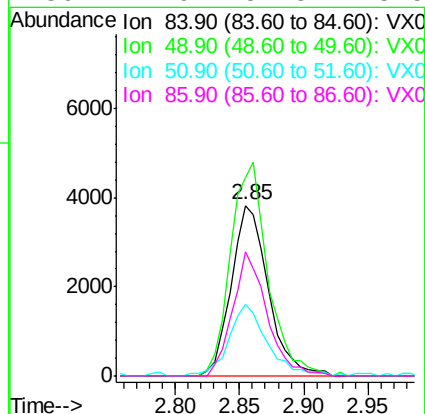
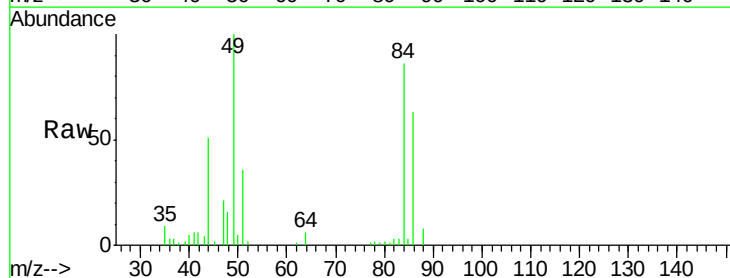
Ion Ratio Lower Upper

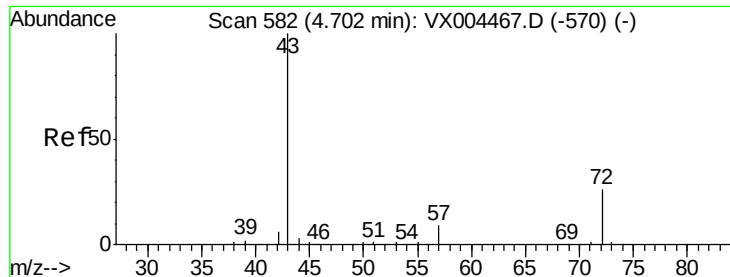
84 100

49 116.5 101.2 151.8

51 40.3 29.5 44.3

86 72.9 52.3 78.5





#25

2-Butanone

Concen: 3.35 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004667.D

Acq: 18 Sep 2018 19:23

Instrument :

MSVOA_X

ClientSampled :

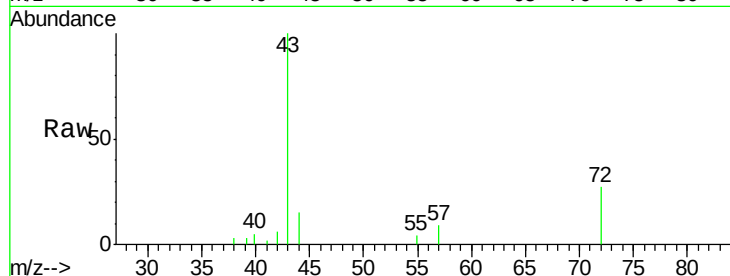
COMP-2

Tot Ion: 43 Resp: 8306

Ion Ratio Lower Upper

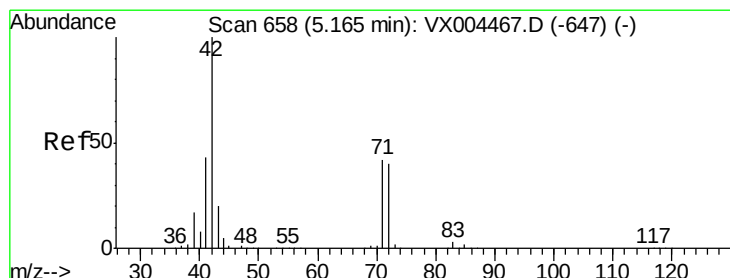
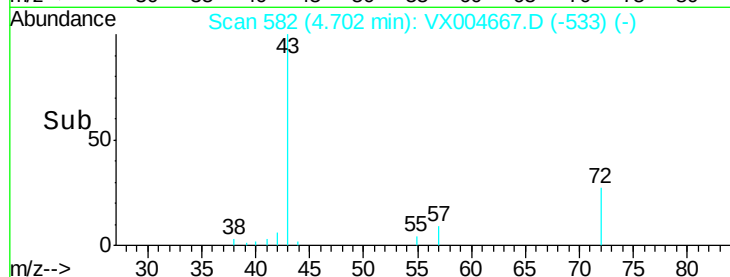
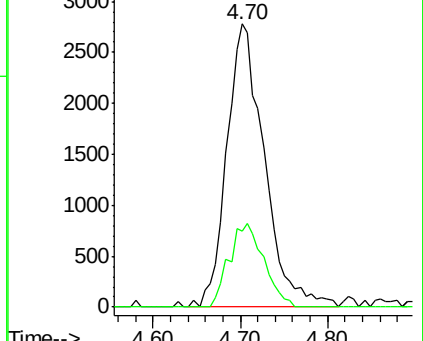
43 100

72 26.7 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.30 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004667.D

Acq: 18 Sep 2018 19:23

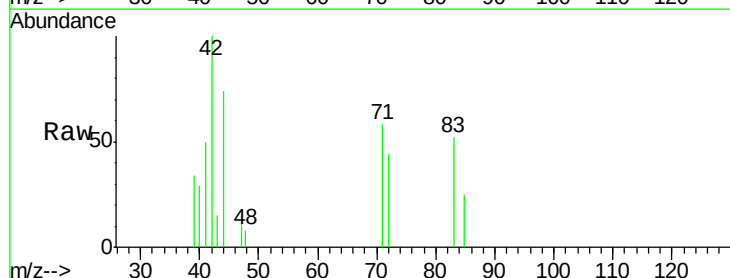
Tgt Ion: 42 Resp: 1949

Ion Ratio Lower Upper

42 100

72 43.4 37.4 56.0

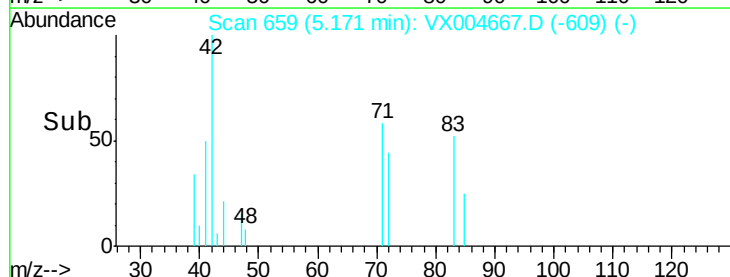
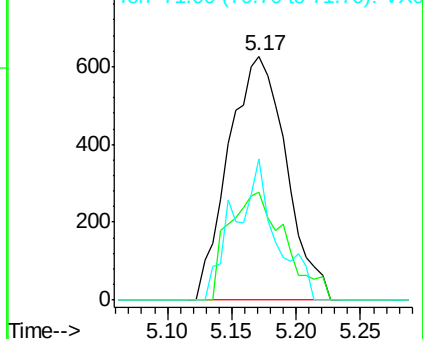
71 42.0 34.5 51.7

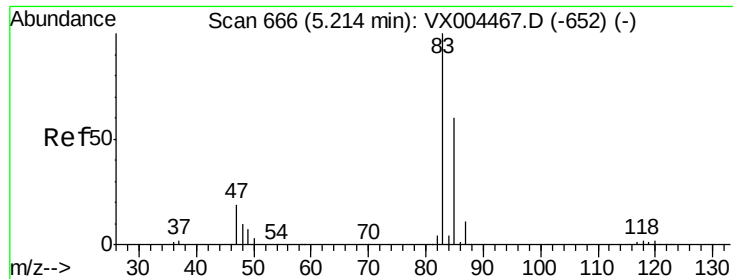


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

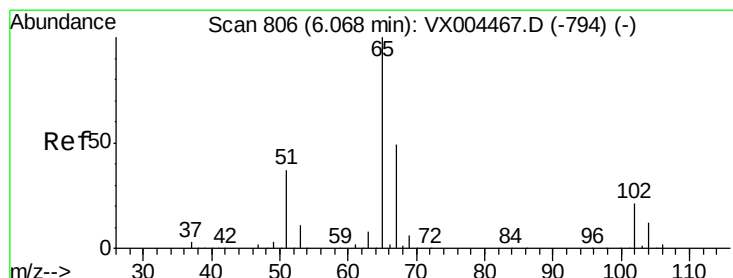
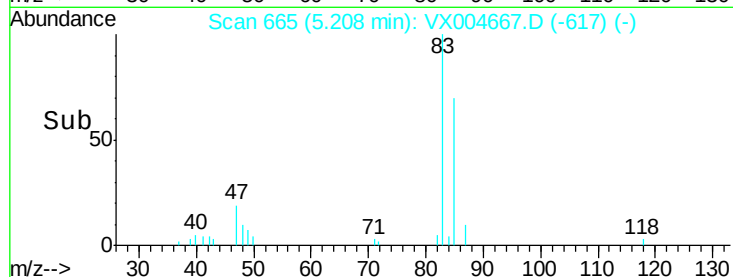
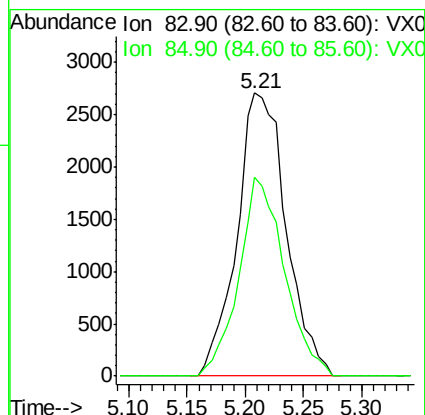
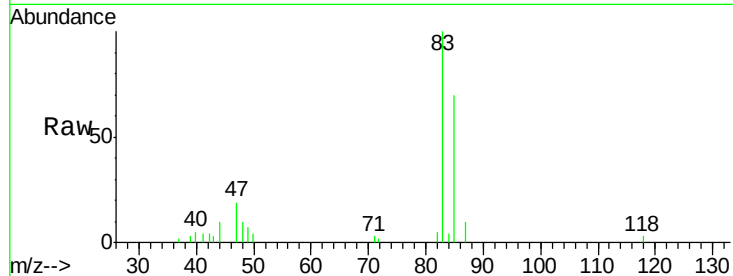




#30
Chloroform
Concen: 1.51 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004667.D
Acq: 18 Sep 2018 19:23

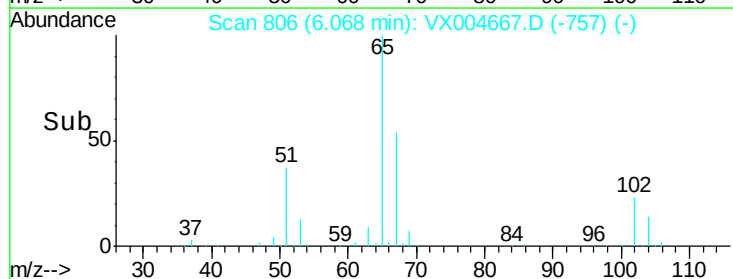
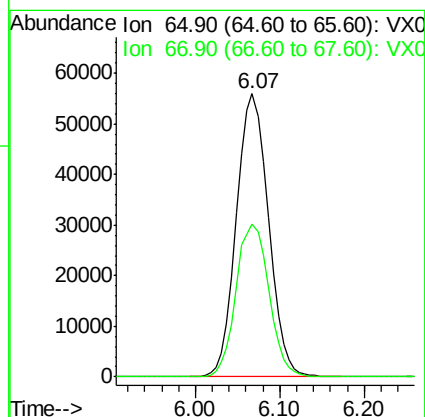
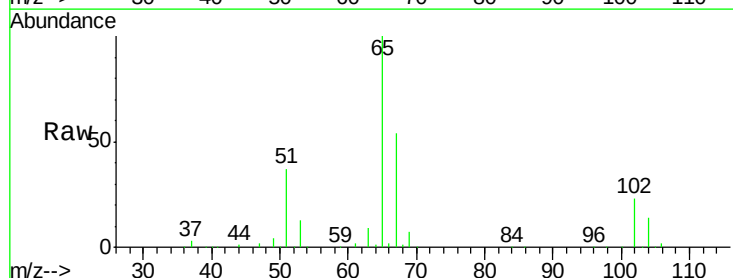
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

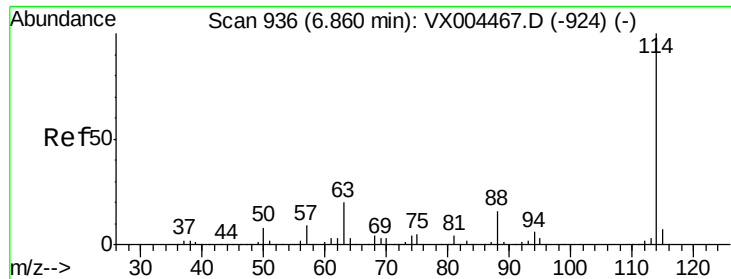
Tot Ion: 83 Resp: 7978
Ion Ratio Lower Upper
83 100
85 70.0 52.6 79.0



#33
1,2-Dichloroethane-d4
Concen: 45.29 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004667.D
Acq: 18 Sep 2018 19:23

Tgt Ion: 65 Resp: 144519
Ion Ratio Lower Upper
65 100
67 55.5 0.0 106.8

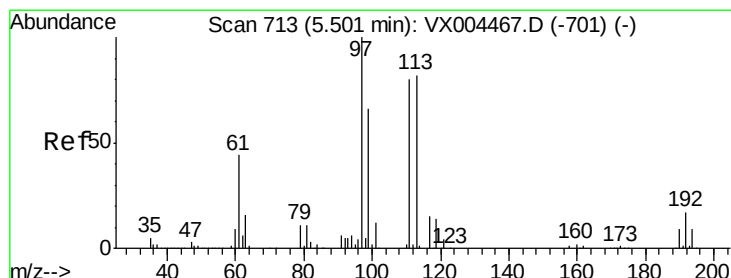
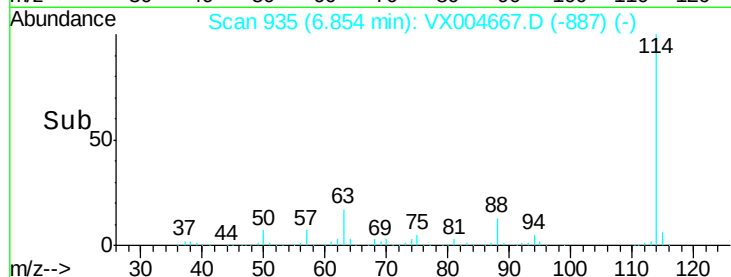
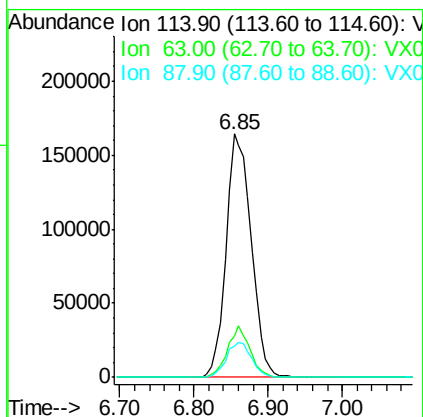
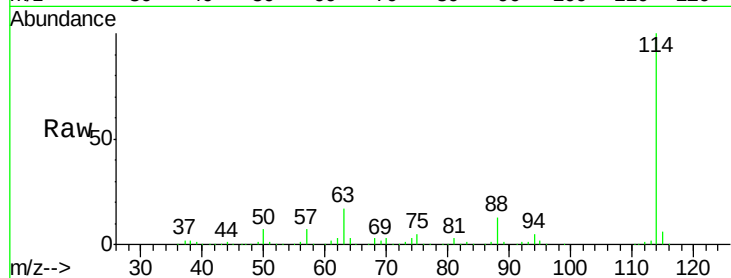




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX004667.D
 Acq: 18 Sep 2018 19:23

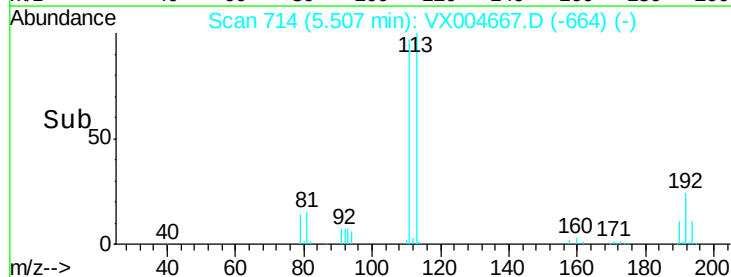
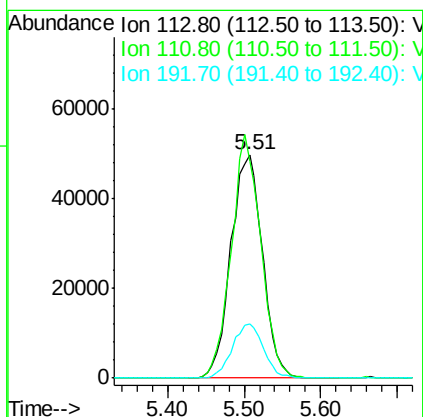
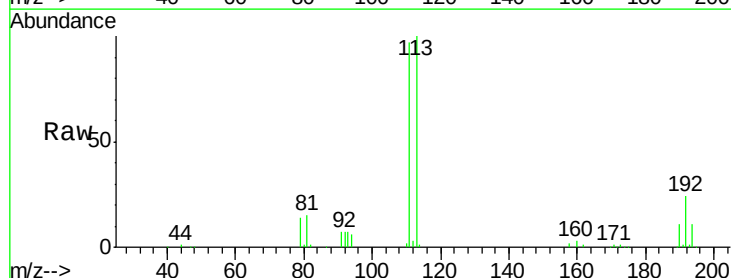
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-2

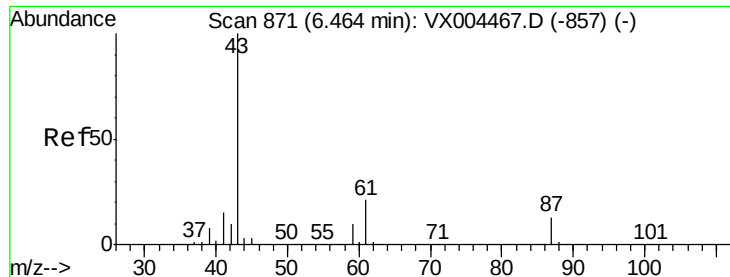
Tot Ion:114 Resp: 389063
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 39.0
 88 12.5 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 39.88 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004667.D
 Acq: 18 Sep 2018 19:23

Tgt Ion:113 Resp: 141967
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.4 123.6
 192 24.0 19.4 29.2





#43

Isopropyl Acetate

Concen: 28.56 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004667.D

Acq: 18 Sep 2018 19:23

Instrument :

MSVOA_X

ClientSampled :

COMP-2

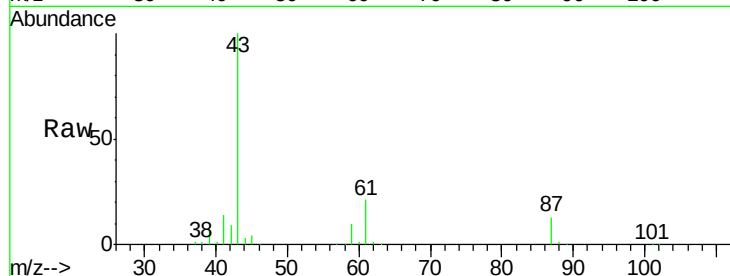
Tot Ion: 43 Resp: 203798

Ion Ratio Lower Upper

43 100

61 21.8 17.0 25.4

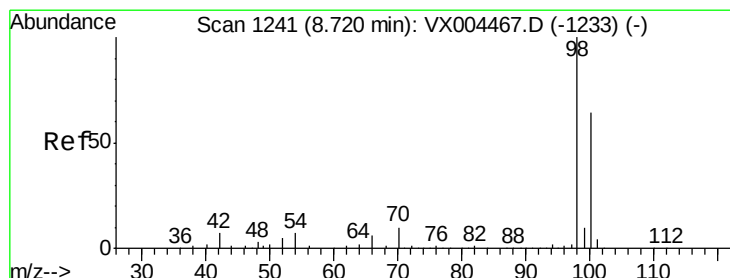
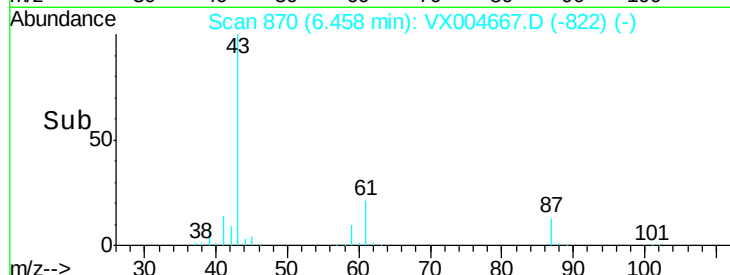
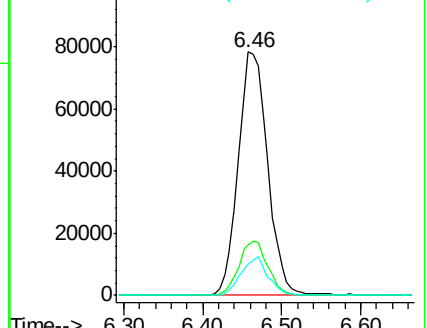
87 14.3 11.4 17.2



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: 43.00 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004667.D

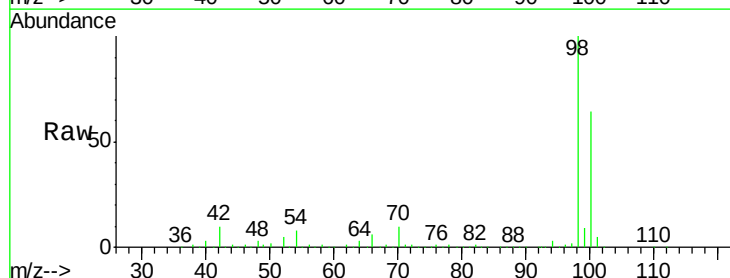
Acq: 18 Sep 2018 19:23

Tgt Ion: 98 Resp: 513430

Ion Ratio Lower Upper

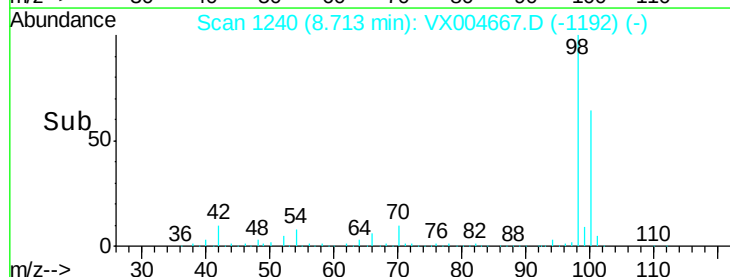
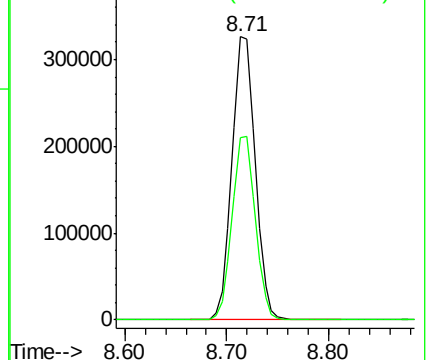
98 100

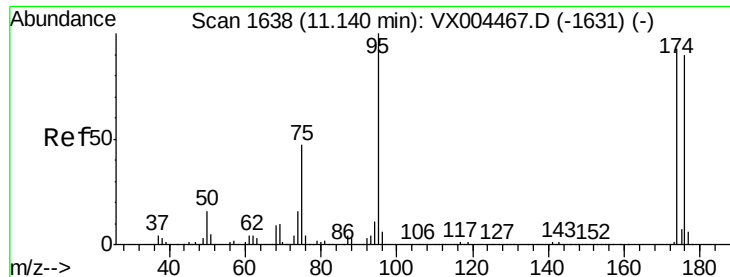
100 64.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

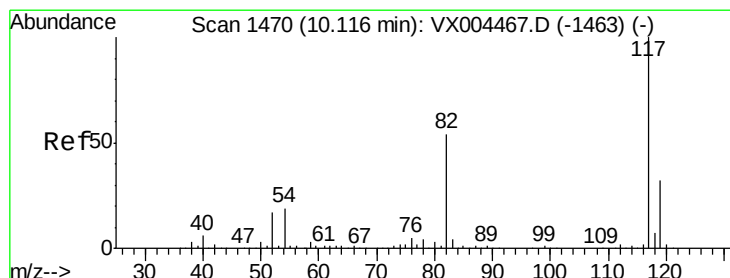
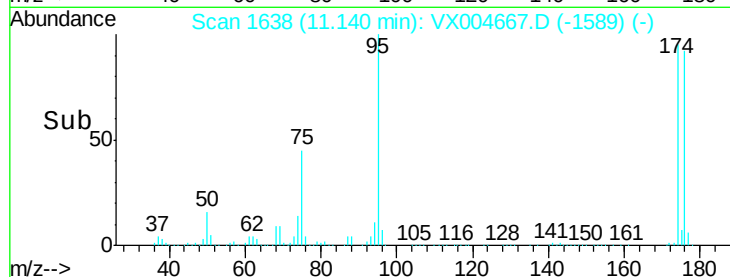
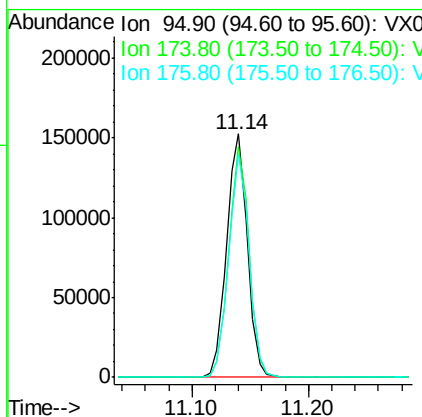
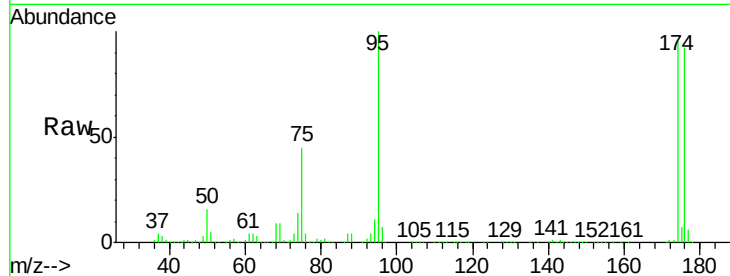




#62
4-Bromofluorobenzene
Concen: 43.93 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004667.D
Acq: 18 Sep 2018 19:23

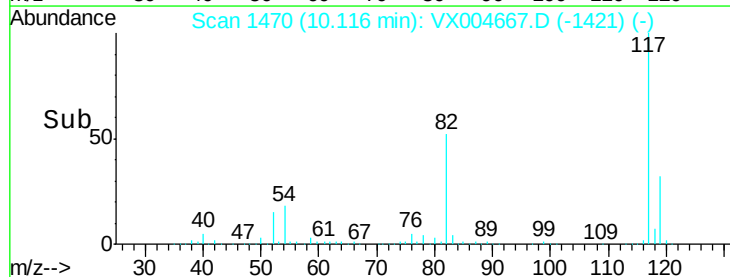
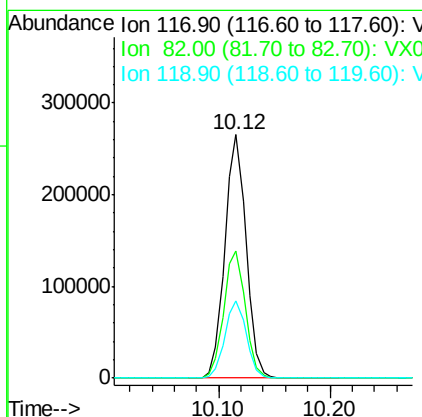
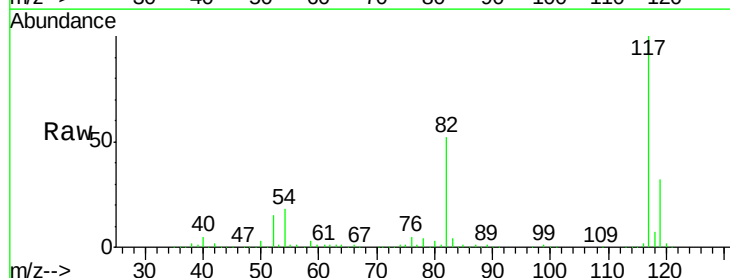
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

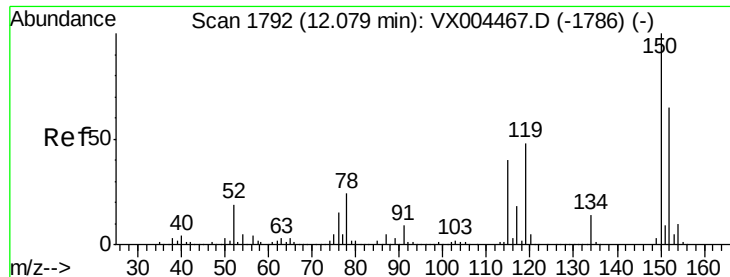
Tot Ion: 95 Resp: 187226
Ion Ratio Lower Upper
95 100
174 93.9 0.0 185.2
176 91.3 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004667.D
Acq: 18 Sep 2018 19:23

Tgt Ion: 117 Resp: 350169
Ion Ratio Lower Upper
117 100
82 52.3 47.8 71.6
119 31.9 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004667.D

Acq: 18 Sep 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

COMP-2

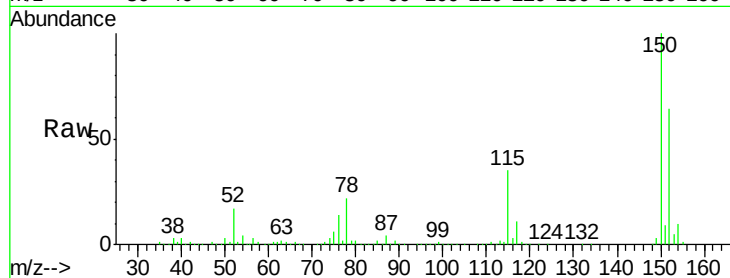
Tot Ion:152 Resp: 198359

Ion Ratio Lower Upper

152 100

115 54.3 39.0 117.0

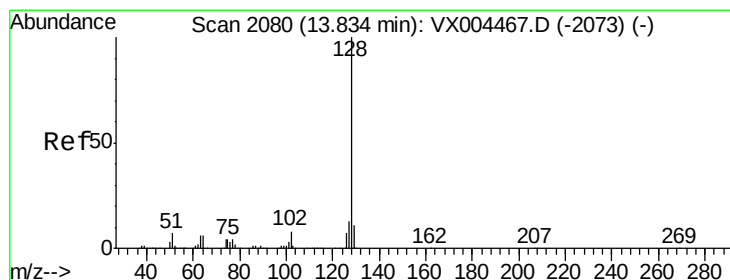
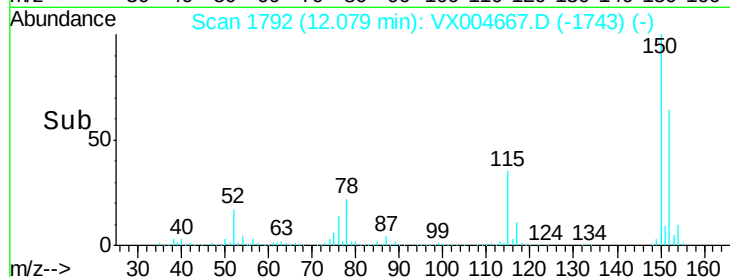
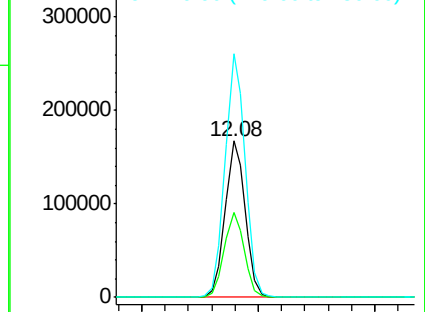
150 156.4 0.0 351.0



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



#95

Naphthalene

Concen: 4.89 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004667.D

Acq: 18 Sep 2018 19:23

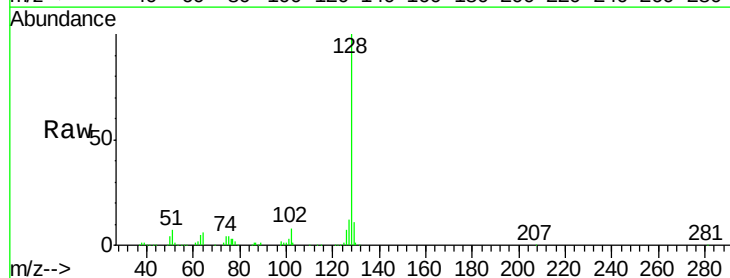
Tgt Ion:128 Resp: 66237

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 11.6 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

