

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004666.D
 Acq On : 18 Sep 2018 18:56
 Operator : JC/MD
 Sample : J4944-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB48377RT

Quant Time: Sep 19 04:58:31 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	5.66	168	232571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	356494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	141017	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
35) Dibromofluoromethane	5.51	113	136460	41.83	ug/l	0.00
Spiked Amount			Recovery	=	83.66%	
50) Toluene-d8	8.71	98	488291	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	
62) 4-Bromofluorobenzene	11.14	95	178043	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	

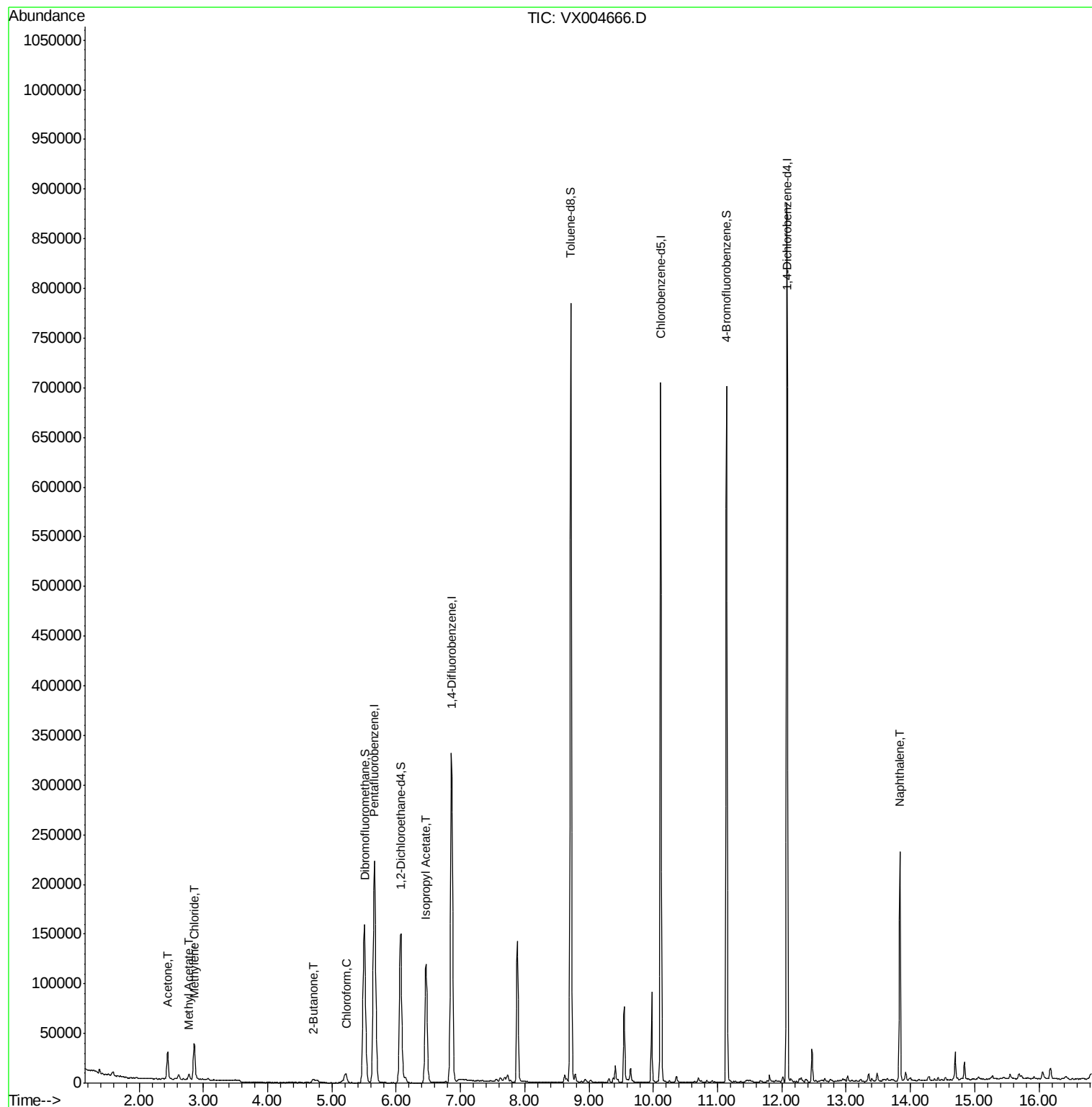
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	29524	20.17	ug/l	99
18) Methyl Acetate	2.78	43	5936	1.45	ug/l	97
20) Methylene Chloride	2.85	84	18245	6.08	ug/l	97
25) 2-Butanone	4.71	43	7302	3.13	ug/l	95
30) Chloroform	5.21	83	11017	2.22	ug/l	97
43) Isopropyl Acetate	6.46	43	157853	24.14	ug/l	100
95) Naphthalene	13.83	128	148200	11.41	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004666.D

Acq: 18 Sep 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

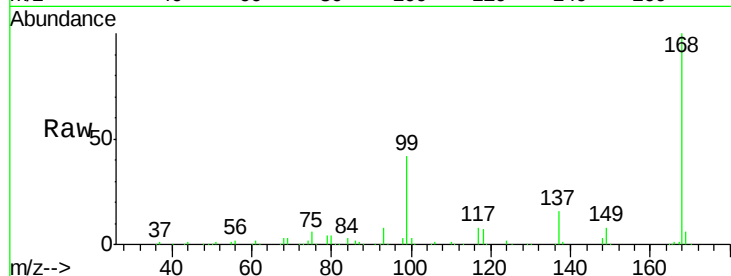
RB48377RT

Tot Ion:168 Resp: 232571

Ion Ratio Lower Upper

168 100

99 42.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

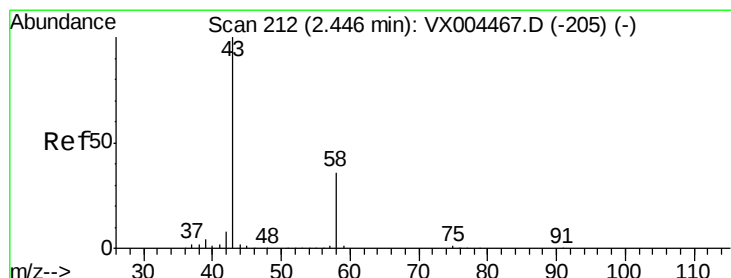
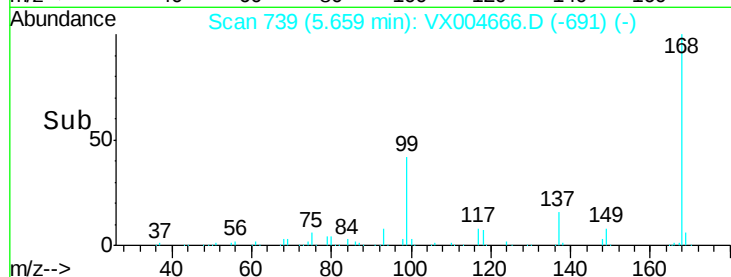
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 20.17 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004666.D

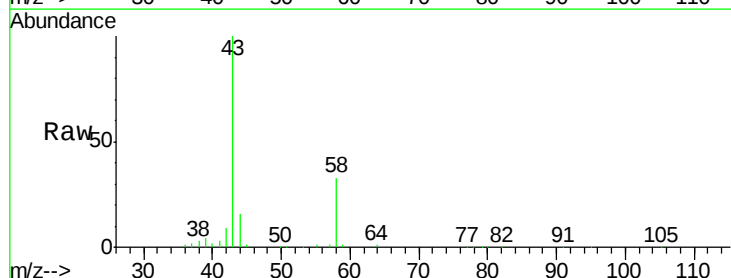
Acq: 18 Sep 2018 18:56

Tgt Ion: 43 Resp: 29524

Ion Ratio Lower Upper

43 100

58 33.2 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

20000

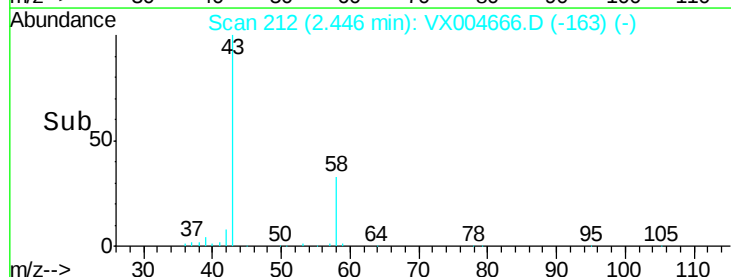
15000

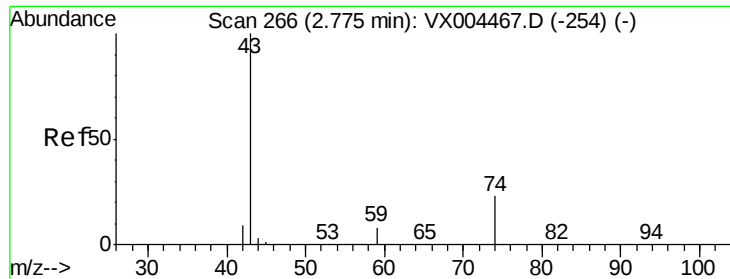
10000

5000

0

Time--> 2.40 2.50

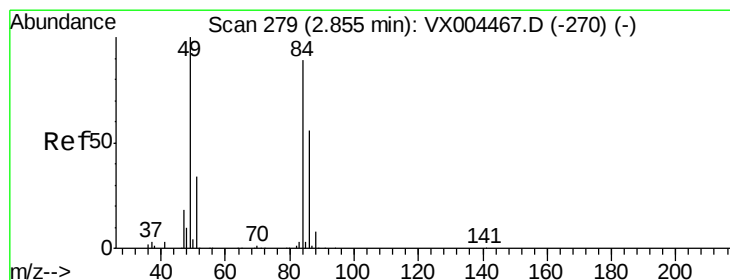
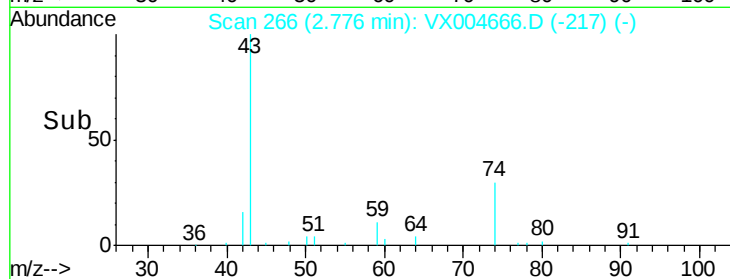
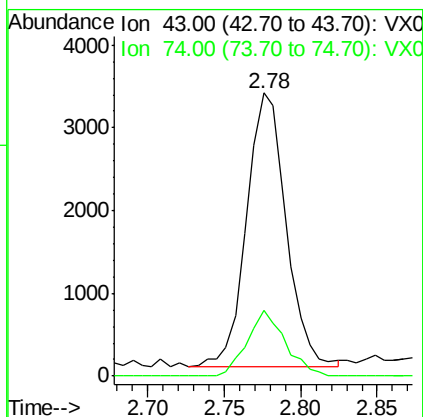
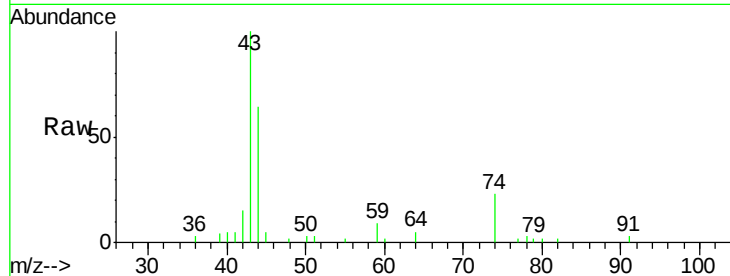




#18
Methyl Acetate
Concen: 1.45 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004666.D
Acq: 18 Sep 2018 18:56

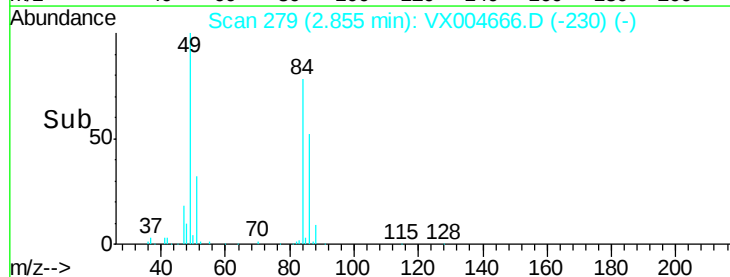
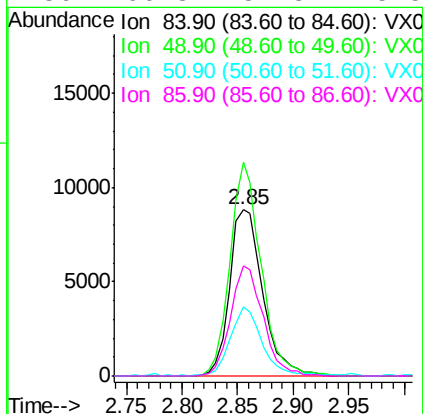
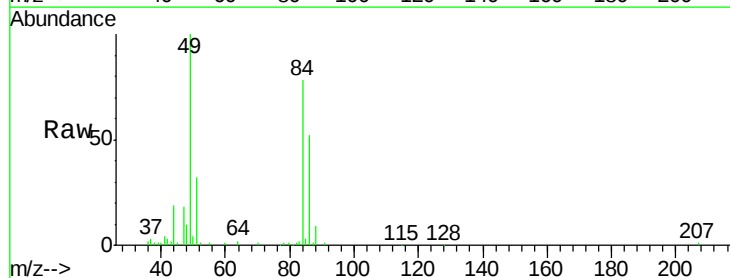
Instrument :
MSVOA_X
ClientSampleId :
RB48377RT

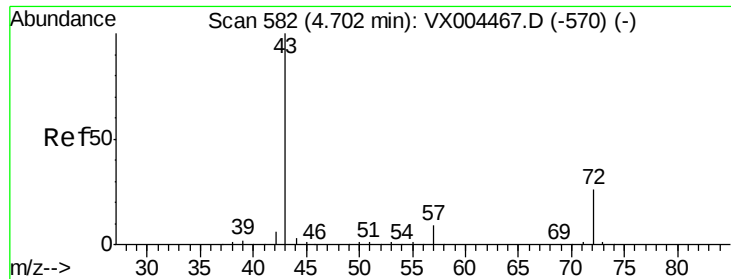
Tot Ion: 43 Resp: 5936
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.2



#20
Methylene Chloride
Concen: 6.08 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004666.D
Acq: 18 Sep 2018 18:56

Tgt Ion: 84 Resp: 18245
Ion Ratio Lower Upper
84 100
49 128.6 101.2 151.8
51 41.6 29.5 44.3
86 66.3 52.3 78.5





#25

2-Butanone

Concen: 3.13 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004666.D

Acq: 18 Sep 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

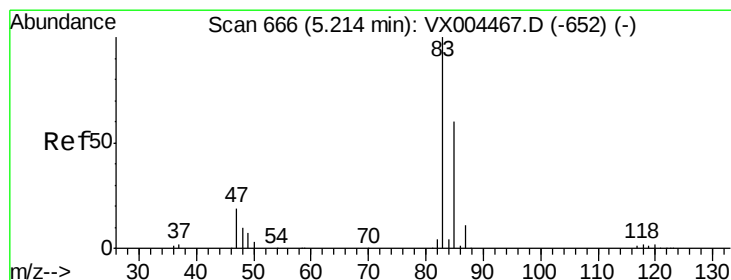
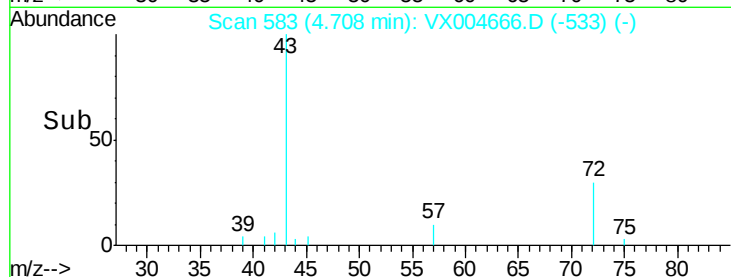
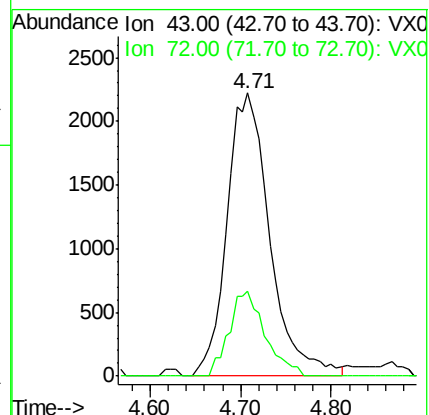
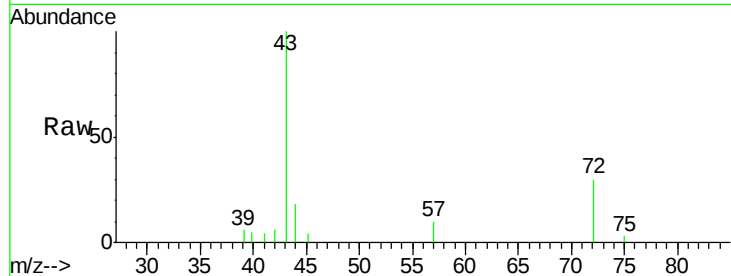
RB48377RT

Tot Ion: 43 Resp: 7302

Ion Ratio Lower Upper

43 100

72 29.9 22.0 33.0



#30

Chloroform

Concen: 2.22 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004666.D

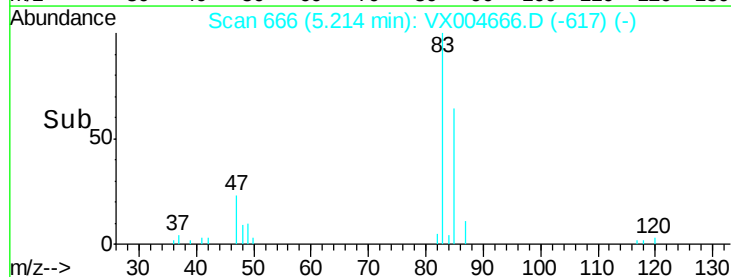
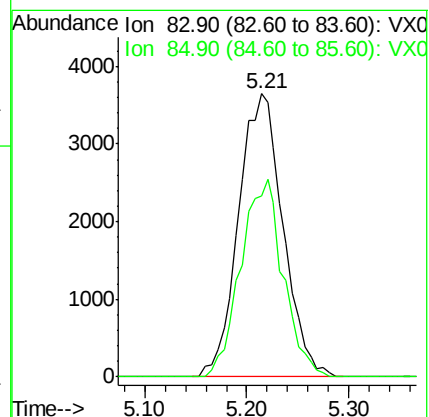
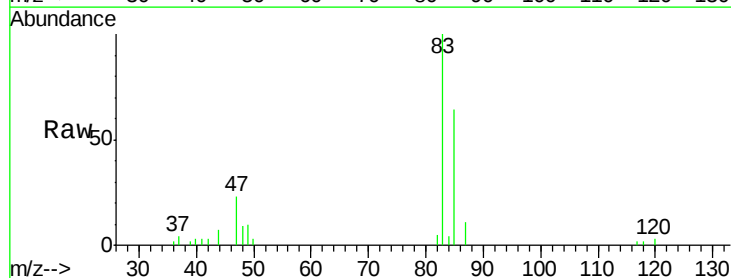
Acq: 18 Sep 2018 18:56

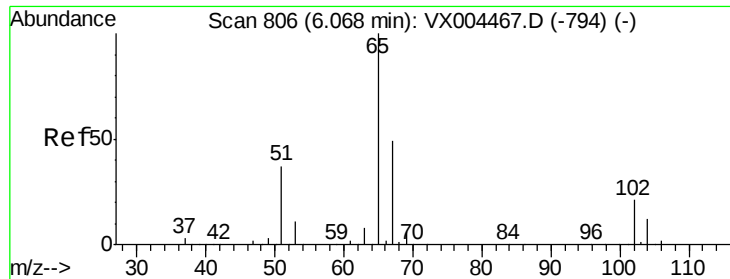
Tgt Ion: 83 Resp: 11017

Ion Ratio Lower Upper

83 100

85 63.8 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 47.02 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004666.D

Acq: 18 Sep 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

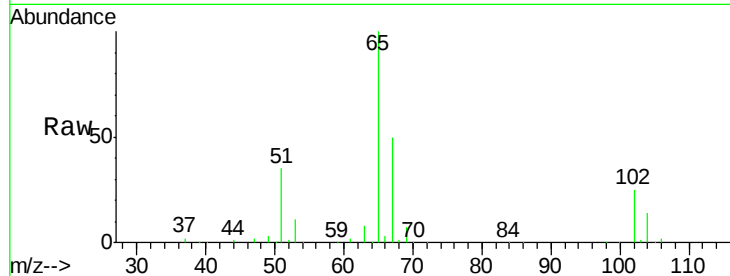
RB48377RT

Tot Ion: 65 Resp: 141017

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

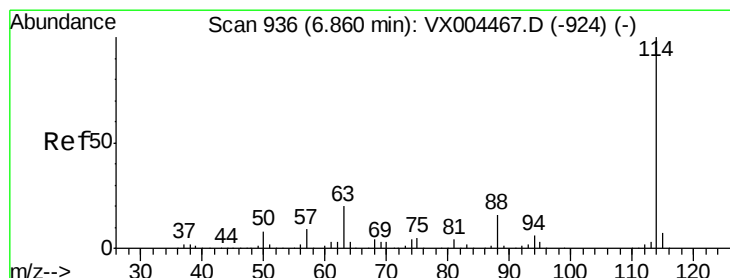
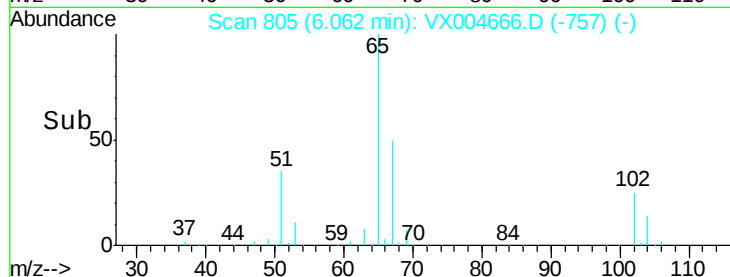
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004666.D

Acq: 18 Sep 2018 18:56

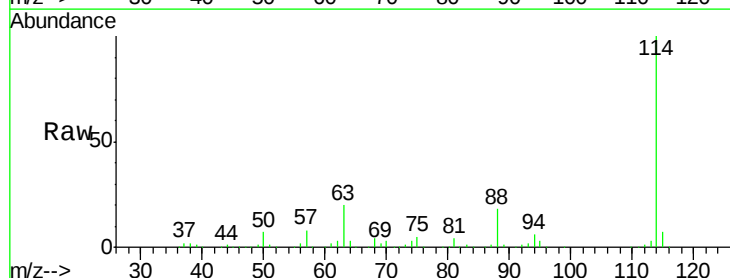
Tgt Ion: 114 Resp: 356494

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

88 17.6 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

6.86

200000

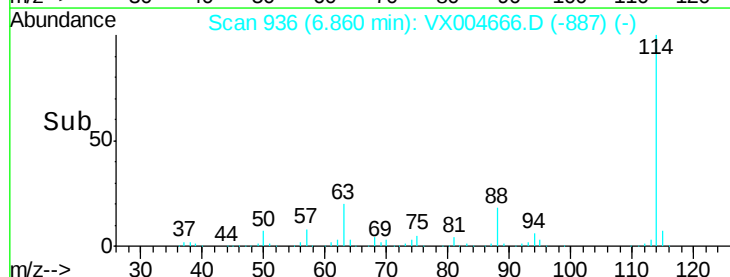
150000

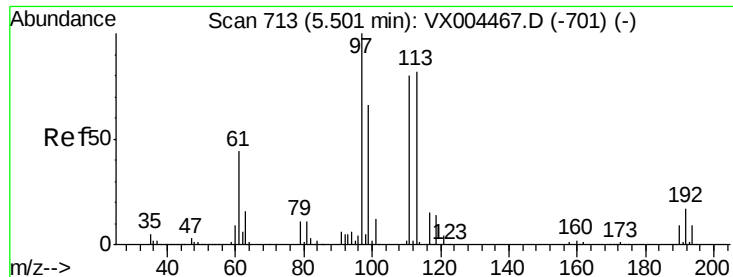
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

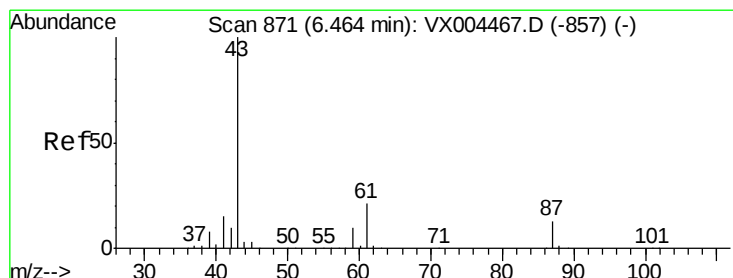
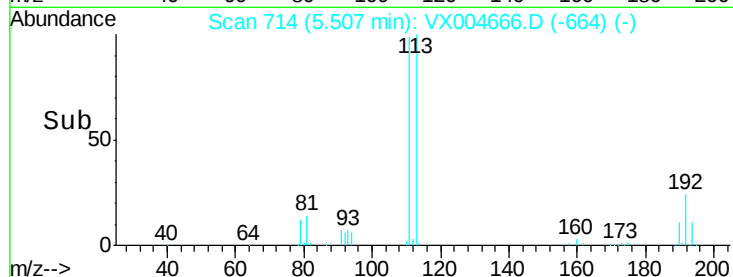
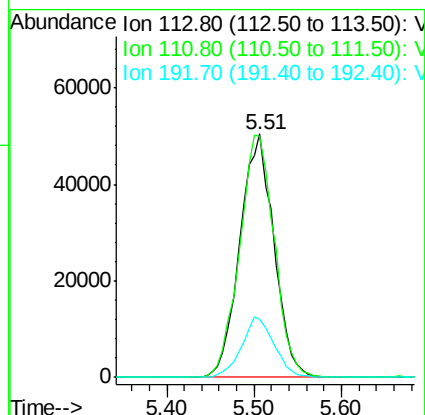
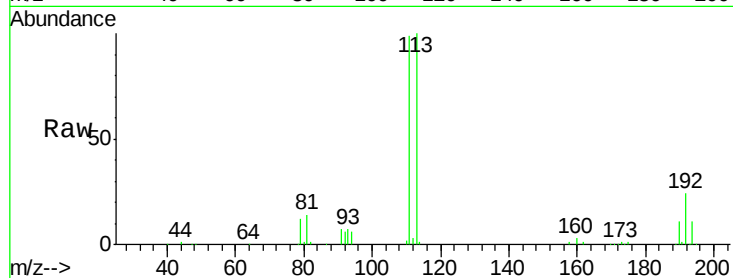




#35
 Dibromofluoromethane
 Concen: 41.83 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004666.D
 Acq: 18 Sep 2018 18:56

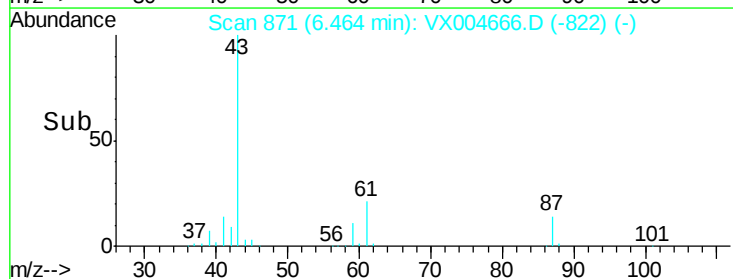
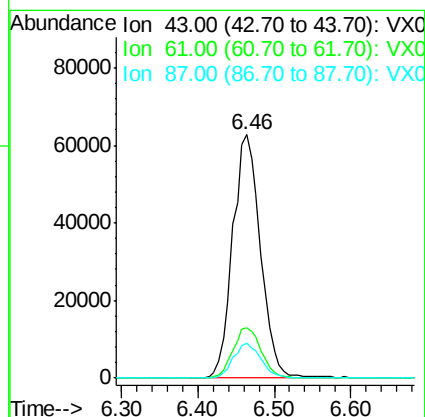
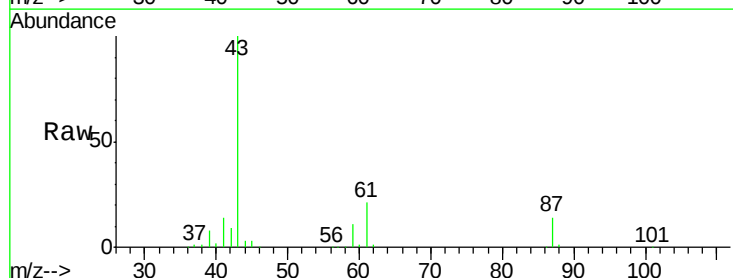
Instrument :
 MSVOA_X
 ClientSampleId :
 RB48377RT

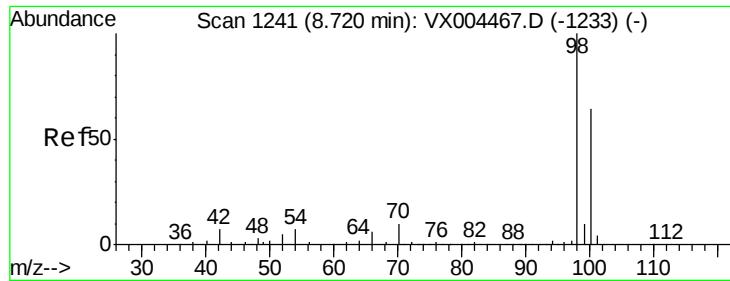
Tot Ion:113 Resp: 136460
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.4 123.6
 192 23.8 19.4 29.2



#43
 Isopropyl Acetate
 Concen: 24.14 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004666.D
 Acq: 18 Sep 2018 18:56

Tgt Ion: 43 Resp: 157853
 Ion Ratio Lower Upper
 43 100
 61 21.1 17.0 25.4
 87 14.2 11.4 17.2





#50

Toluene-d8

Concen: 44.63 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004666.D

Acq: 18 Sep 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

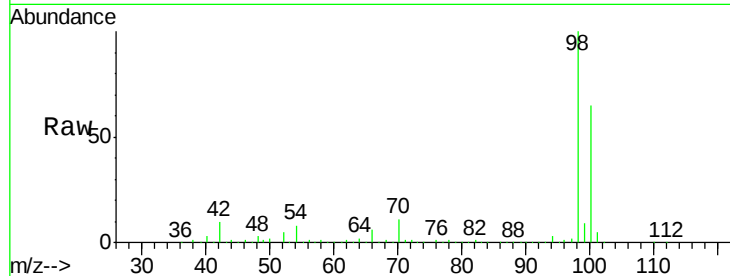
RB48377RT

Tot Ion: 98 Resp: 488291

Ion Ratio Lower Upper

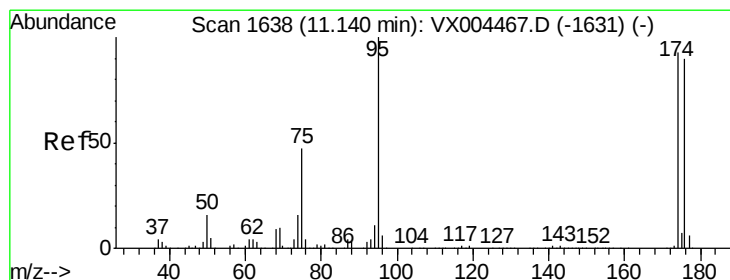
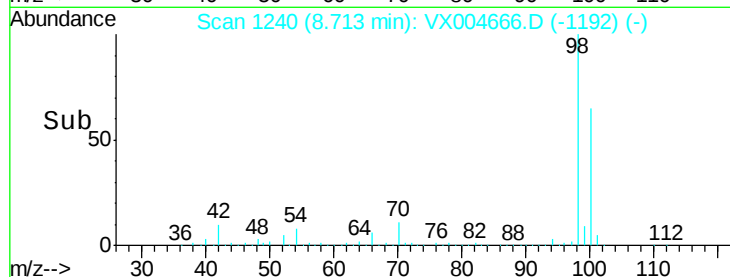
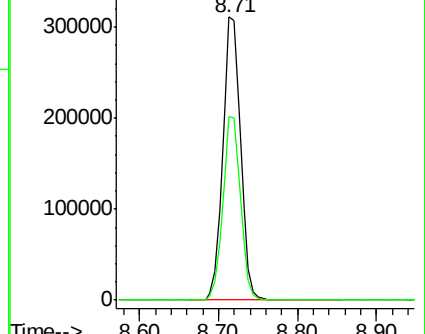
98 100

100 64.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.59 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004666.D

Acq: 18 Sep 2018 18:56

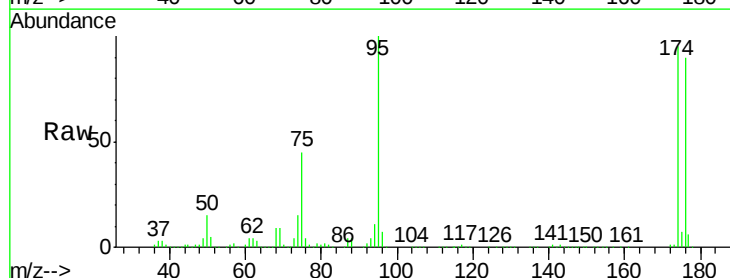
Tgt Ion: 95 Resp: 178043

Ion Ratio Lower Upper

95 100

174 93.9 0.0 185.2

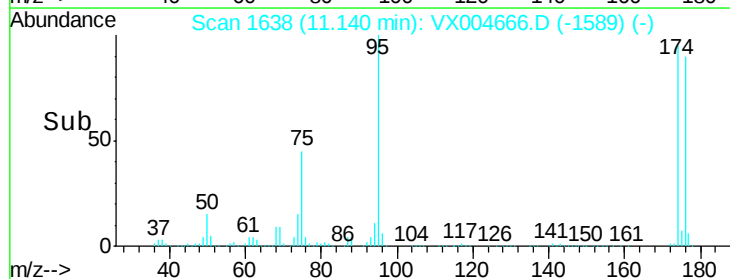
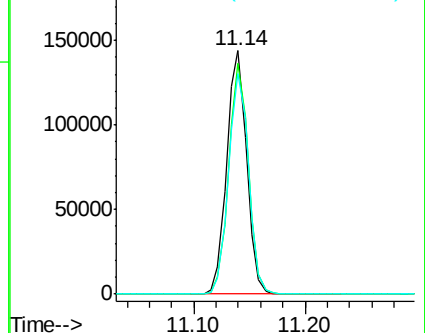
176 91.3 0.0 178.6

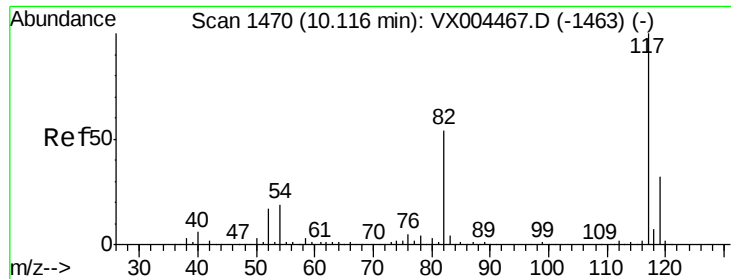


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

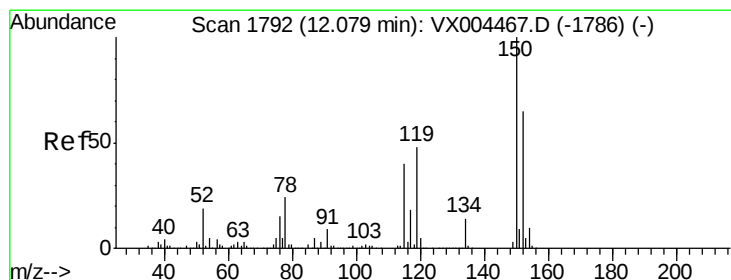
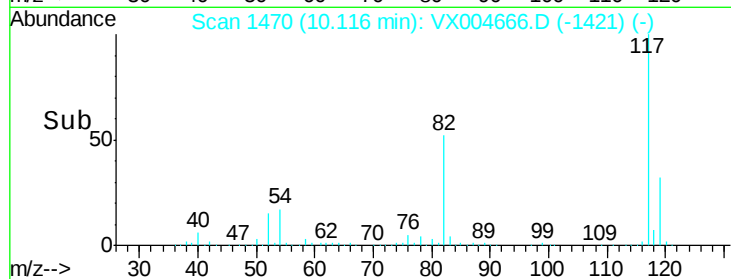
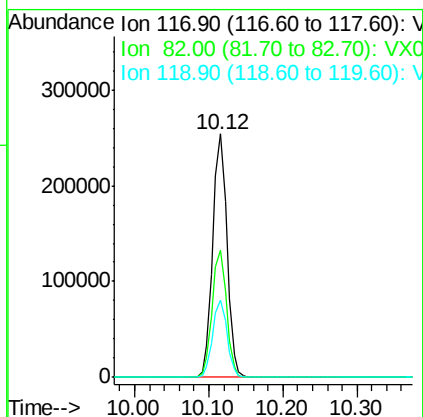
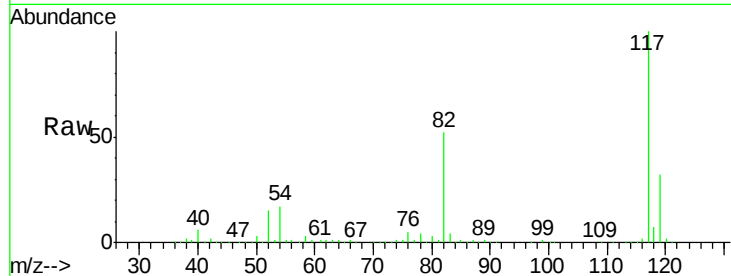




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004666.D
Acq: 18 Sep 2018 18:56

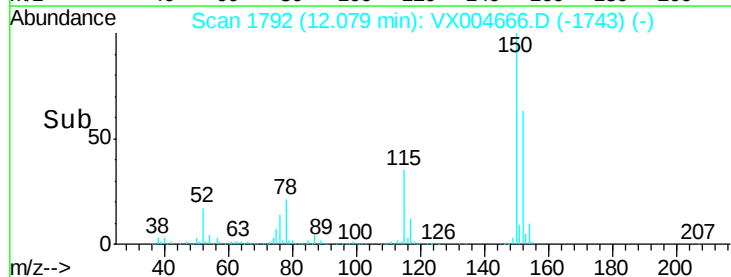
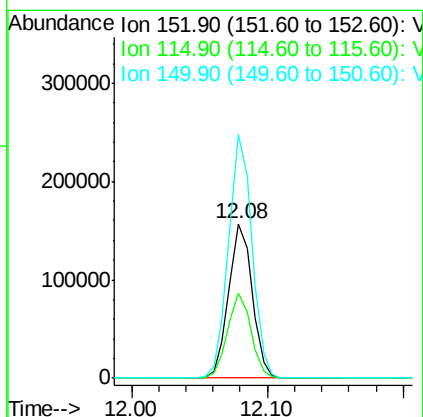
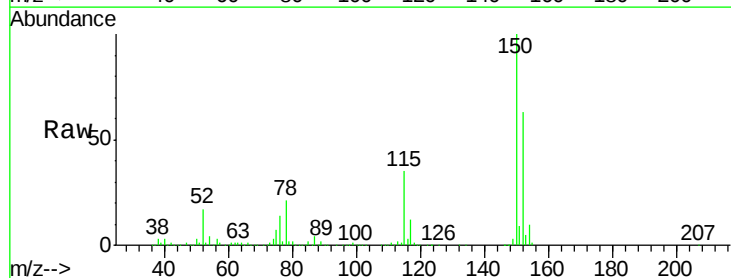
Instrument :
MSVOA_X
ClientSampleId :
RB48377RT

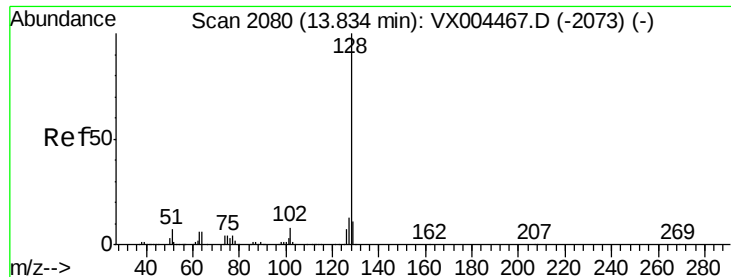
Tot Ion:117 Resp: 333345
Ion Ratio Lower Upper
117 100
82 52.0 47.8 71.6
119 31.7 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004666.D
Acq: 18 Sep 2018 18:56

Tgt Ion:152 Resp: 190291
Ion Ratio Lower Upper
152 100
115 54.6 39.0 117.0
150 156.8 0.0 351.0





#95

Naphthalene

Concen: 11.41 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004666.D

Acq: 18 Sep 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

RB48377RT

Tot Ion:128 Resp: 148200

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.2 8.6 12.8

