

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004041.D
 Acq On : 14 Aug 2018 19:57
 Operator : JC/MD
 Sample : J4438-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP1-SRI3

Quant Time: Aug 15 15:46:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

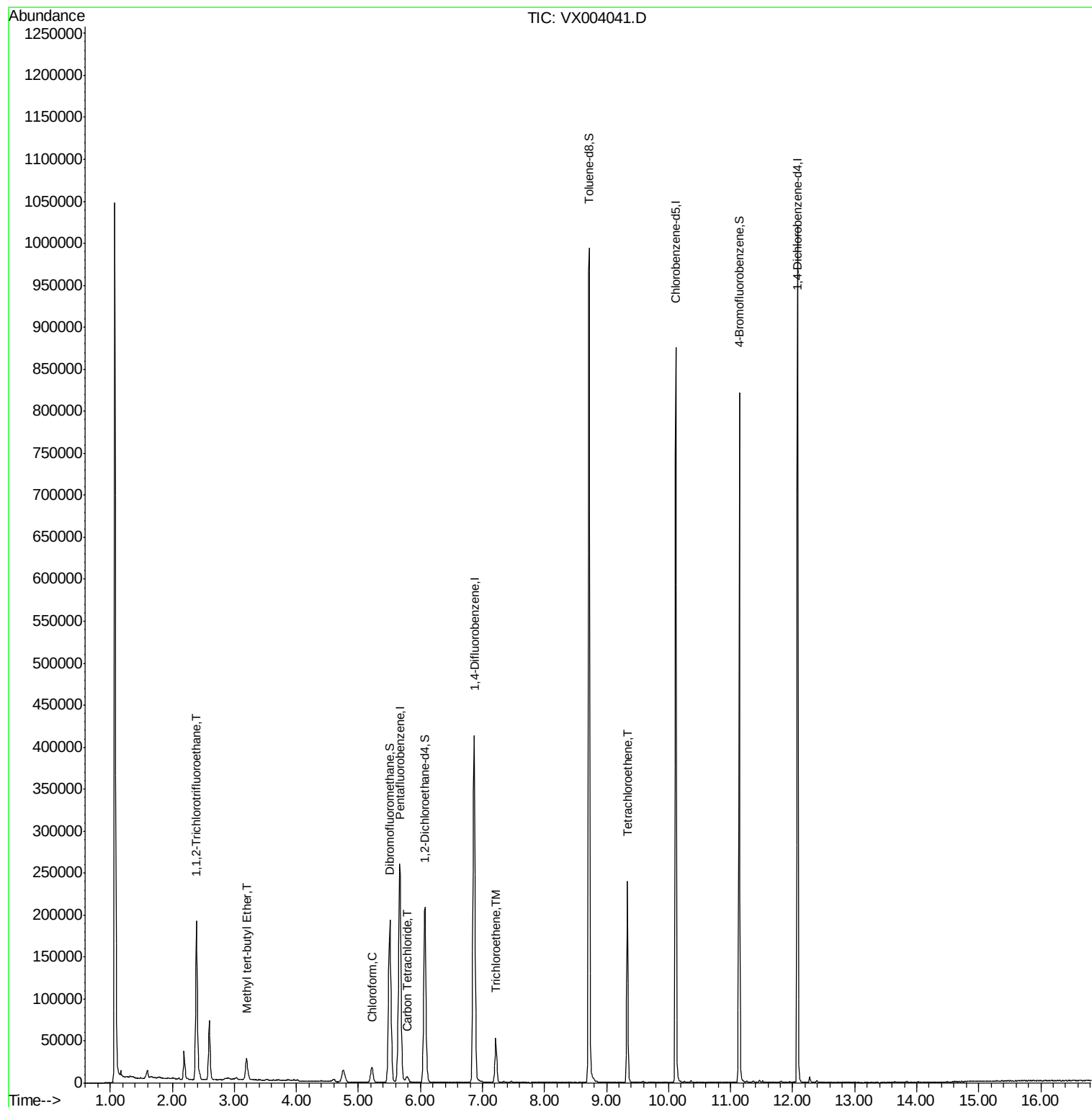
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	420984	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214196	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	193403	52.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.02%	
35) Dibromofluoromethane	5.51	113	163485	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
50) Toluene-d8	8.72	98	597790	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.60%	
62) 4-Bromofluorobenzene	11.14	95	202248	43.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.30%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	2.39	101	76221	25.53	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	28157	2.88	ug/l	99
30) Chloroform	5.22	83	21229	3.71	ug/l	95
38) Carbon Tetrachloride	5.79	117	5363	1.15	ug/l	100
44) Trichloroethene	7.21	130	20925	5.36	ug/l	97
64) Tetrachloroethene	9.34	164	49264	13.40	ug/l	95

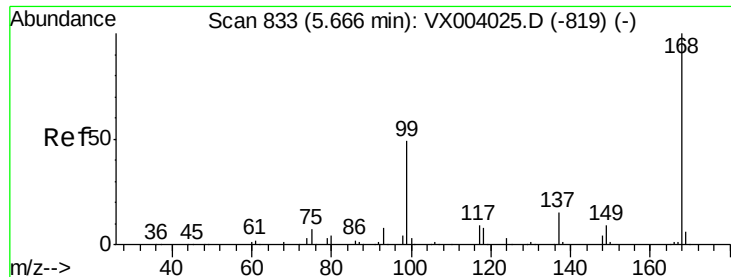
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004041.D

Acq: 14 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampled :

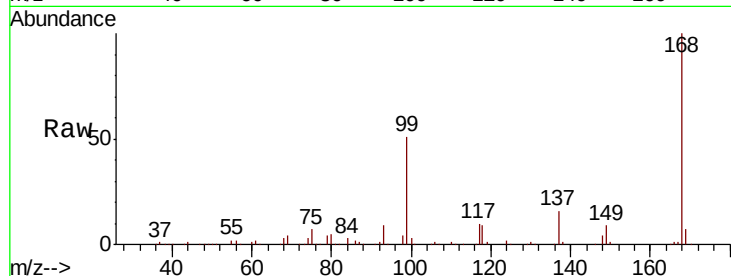
DUP1-SRI3

Tot Ion:168 Resp: 263916

Ion Ratio Lower Upper

168 100

99 51.4 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

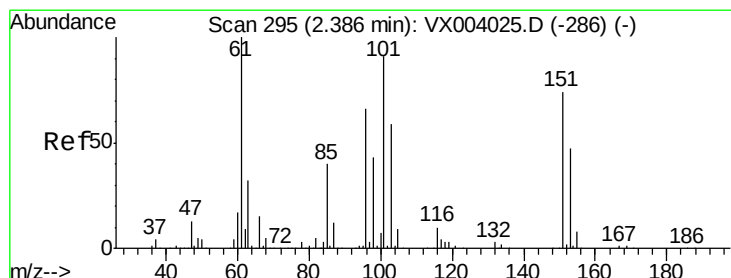
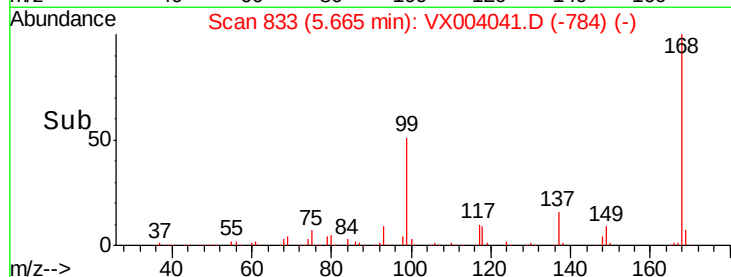
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.53 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX004041.D

Acq: 14 Aug 2018 19:57

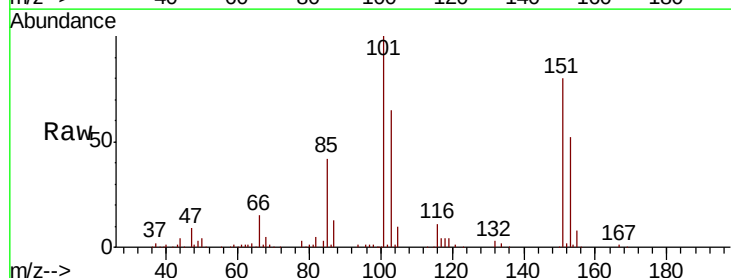
Tgt Ion:101 Resp: 76221

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.4

151 82.0 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.39

50000

40000

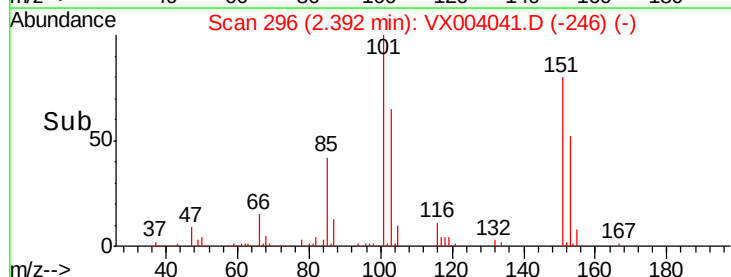
30000

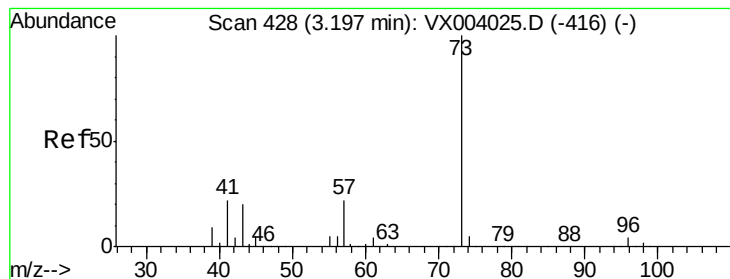
20000

10000

0

Time--> 2.30 2.40 2.50





#19

Methyl tert-butyl Ether

Concen: 2.88 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.00 min

Lab File: VX004041.D

Acq: 14 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampled :

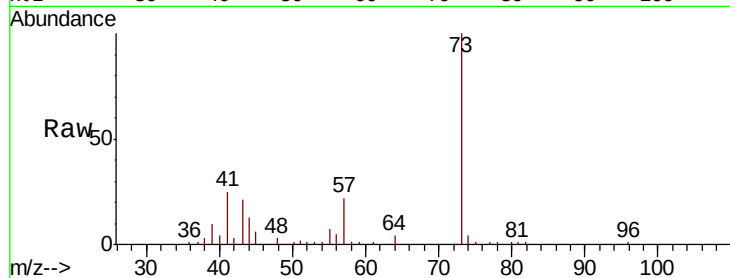
DUP1-SRI3

Tot Ion: 73 Resp: 28157

Ion Ratio Lower Upper

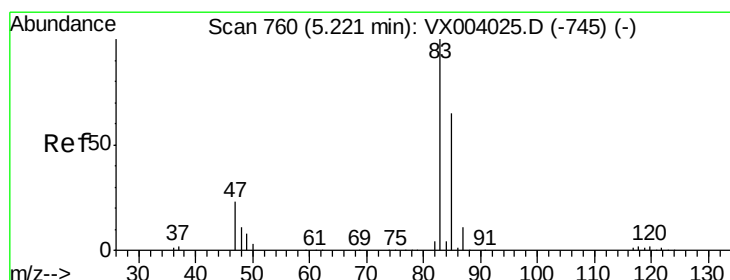
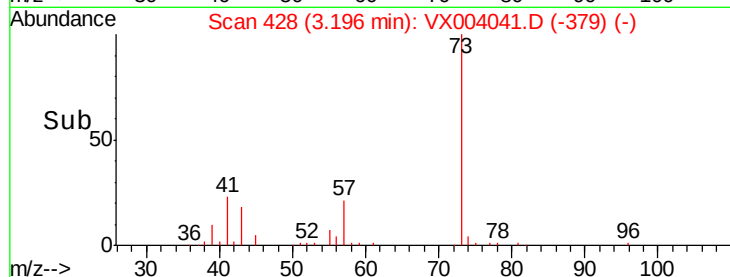
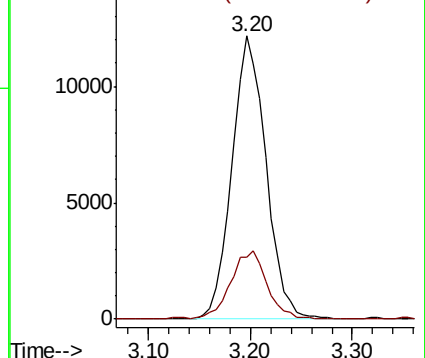
73 100

57 22.1 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#30

Chloroform

Concen: 3.71 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX004041.D

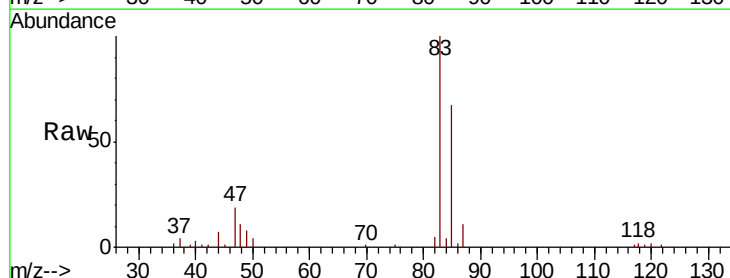
Acq: 14 Aug 2018 19:57

Tgt Ion: 83 Resp: 21229

Ion Ratio Lower Upper

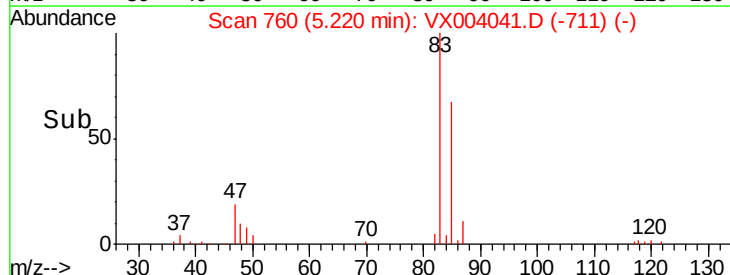
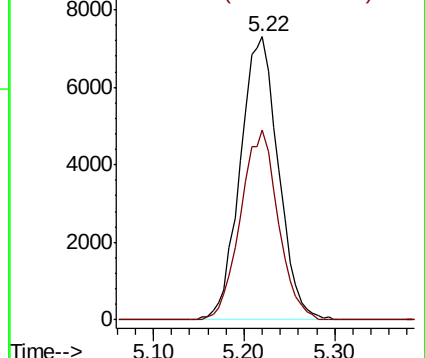
83 100

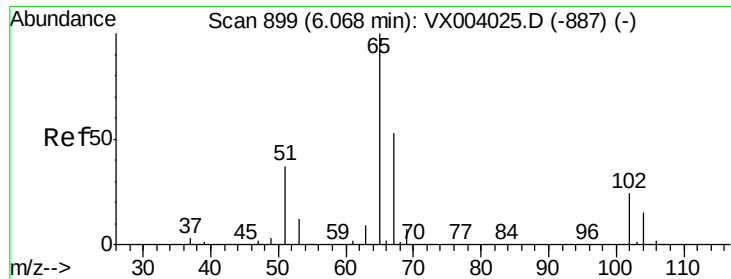
85 67.3 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

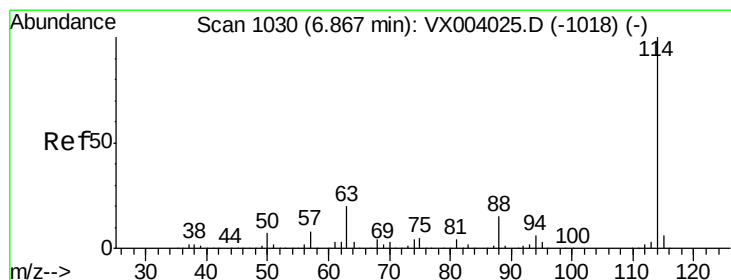
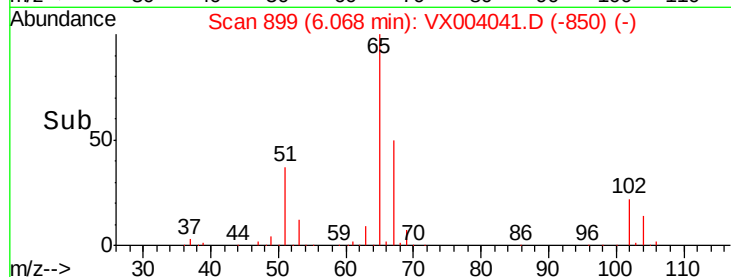
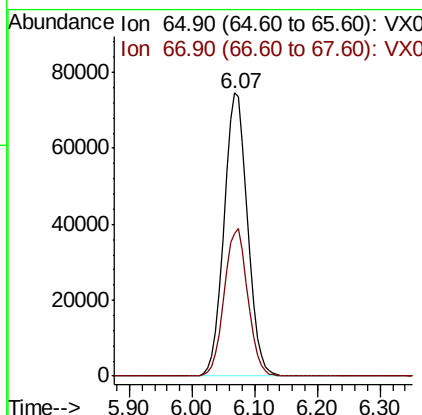
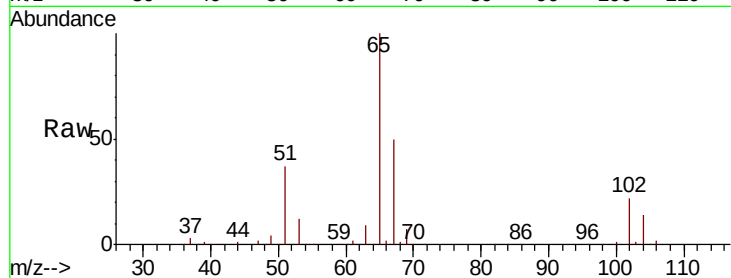




#33
 1,2-Dichloroethane-d4
 Concen: 52.01 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004041.D
 Acq: 14 Aug 2018 19:57

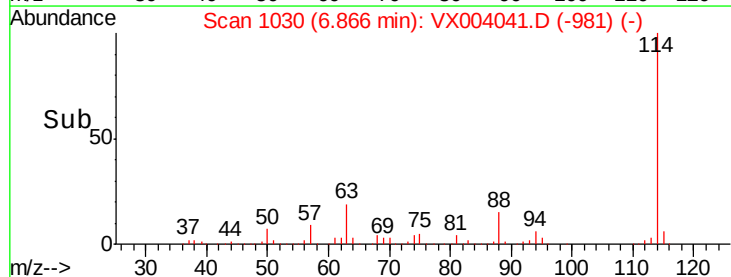
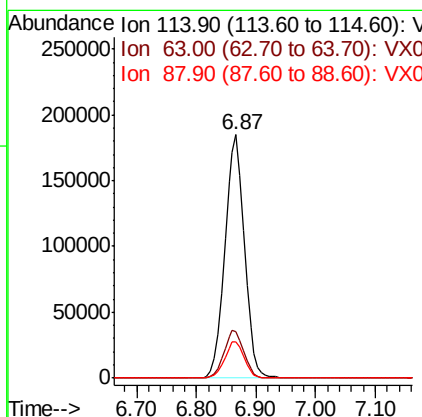
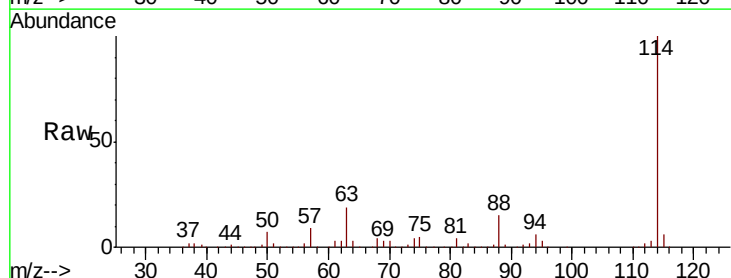
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP1-SRI3

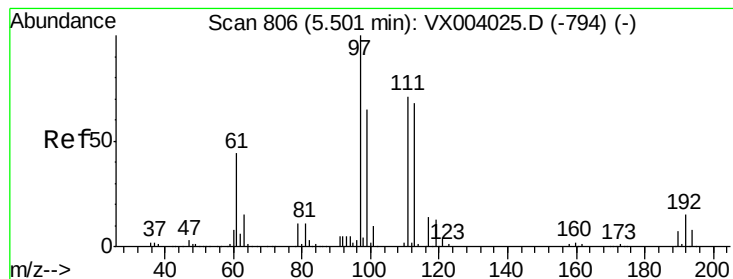
Tot Ion: 65 Resp: 193403
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004041.D
 Acq: 14 Aug 2018 19:57

Tgt Ion: 114 Resp: 420984
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.0
 88 15.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.89 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004041.D

Acq: 14 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

DUP1-SRI3

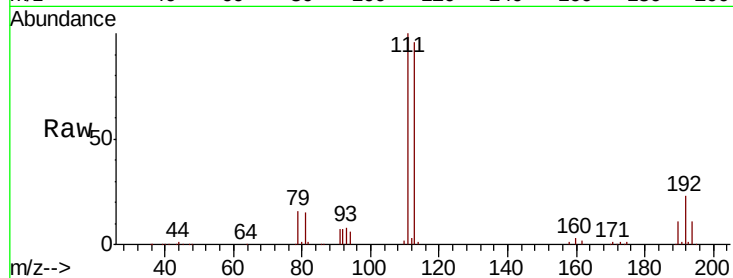
Tot Ion:113 Resp: 163485

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

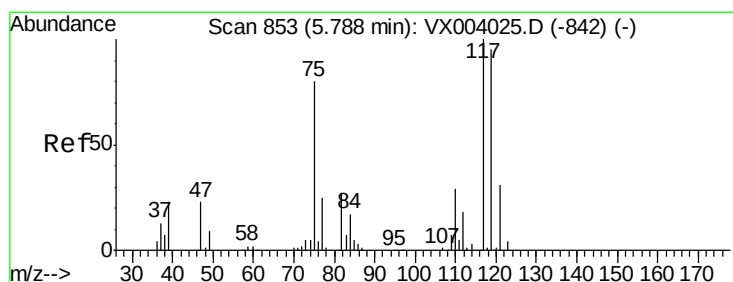
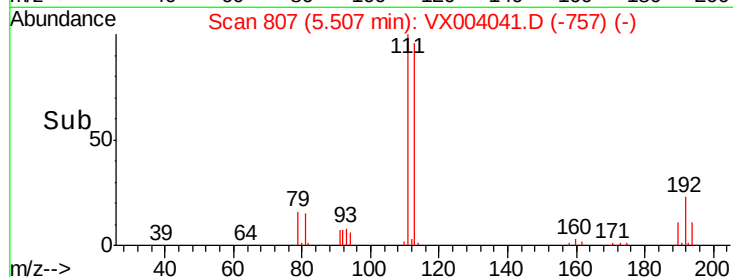
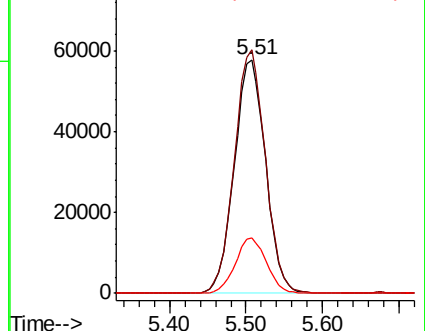
192 23.6 19.0 28.4



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



#38

Carbon Tetrachloride

Concen: 1.15 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX004041.D

Acq: 14 Aug 2018 19:57

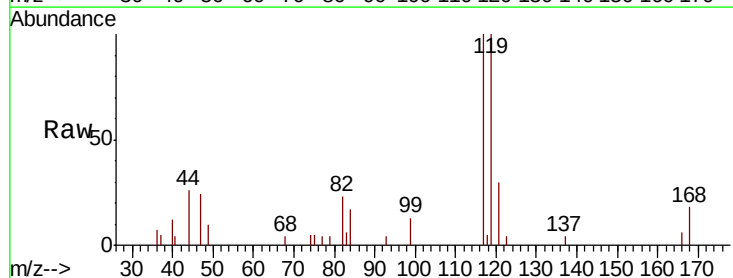
Tgt Ion:117 Resp: 5363

Ion Ratio Lower Upper

117 100

119 99.6 79.5 119.3

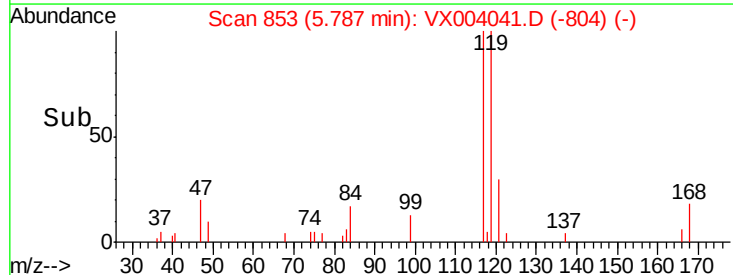
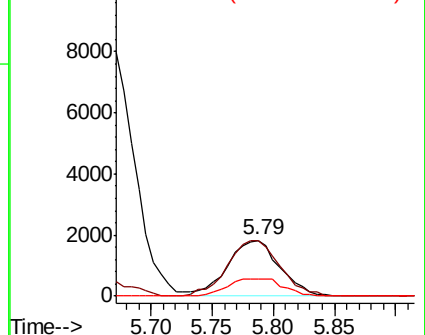
121 30.4 25.0 37.4

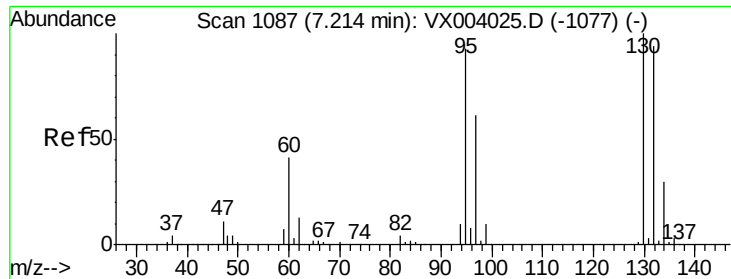


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 5.36 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004041.D

Acq: 14 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampled :

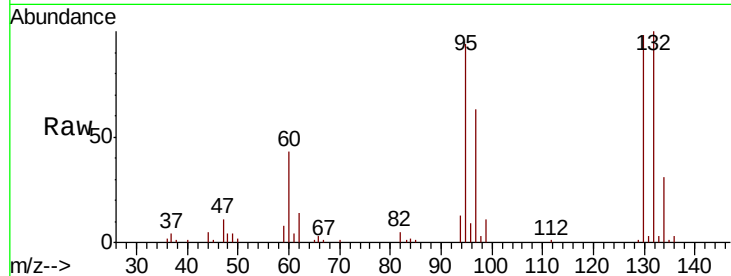
DUP1-SRI3

Tot Ion:130 Resp: 20925

Ion Ratio Lower Upper

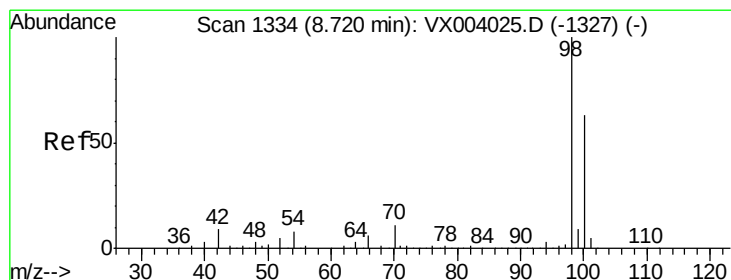
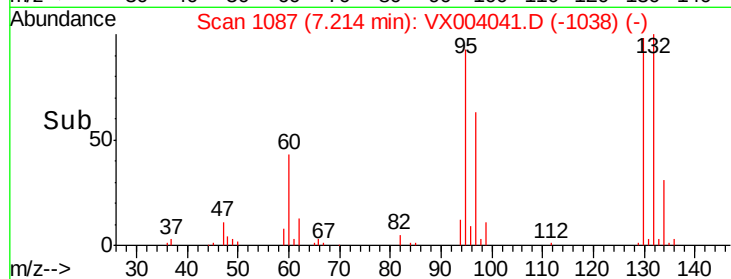
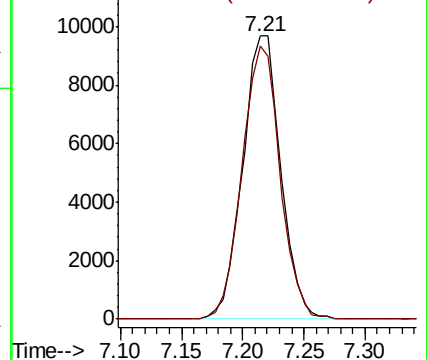
130 100

95 96.3 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 46.80 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004041.D

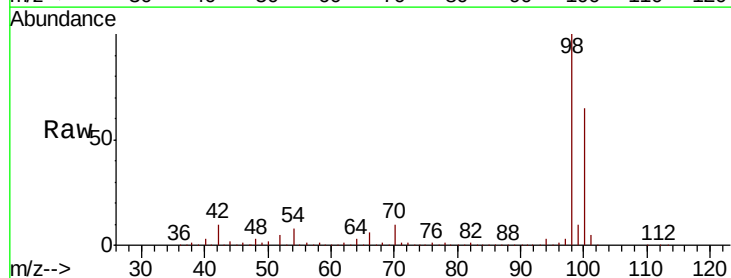
Acq: 14 Aug 2018 19:57

Tgt Ion: 98 Resp: 597790

Ion Ratio Lower Upper

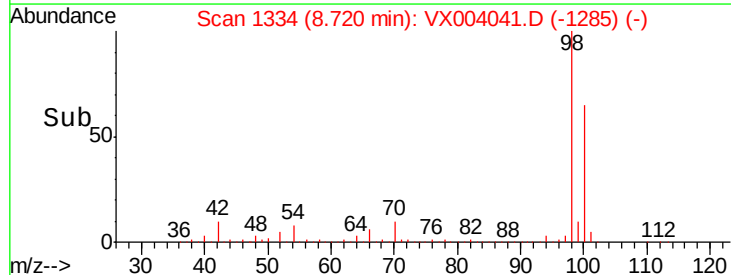
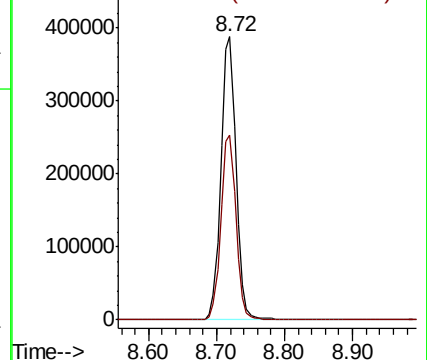
98 100

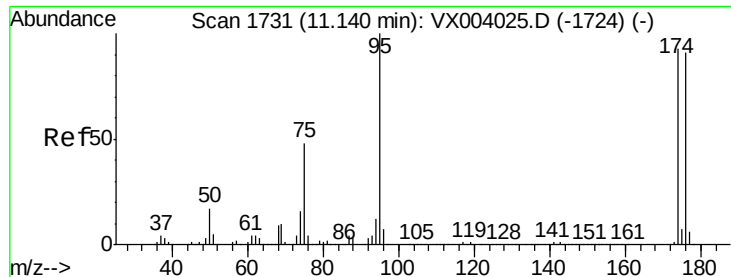
100 65.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

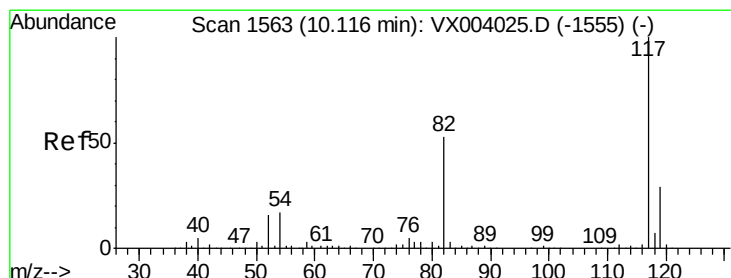
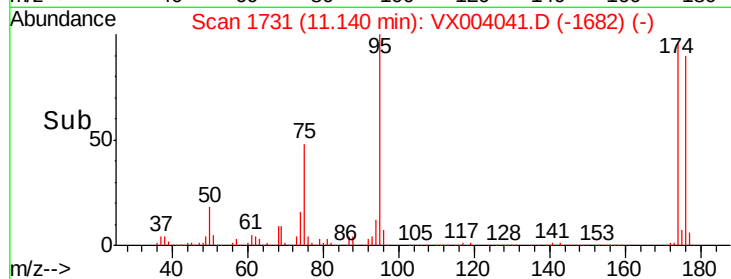
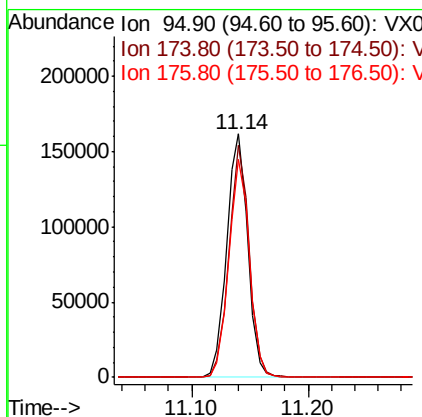
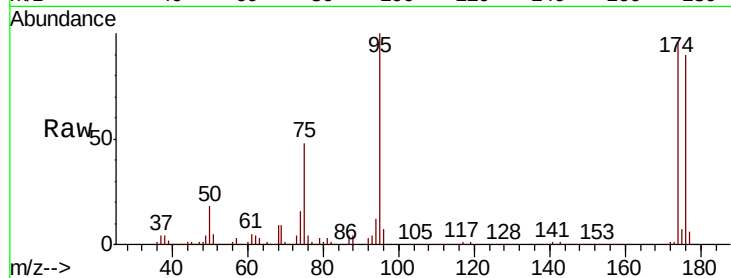




#62
 4-Bromofluorobenzene
 Concen: 43.65 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004041.D
 Acq: 14 Aug 2018 19:57

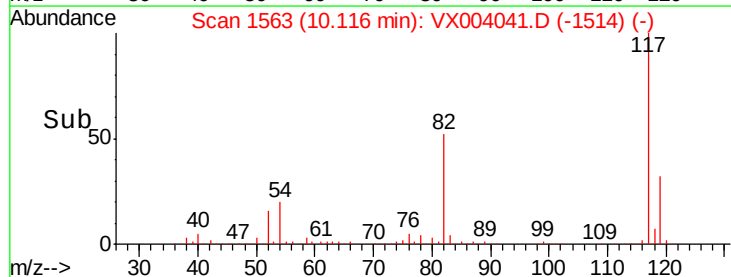
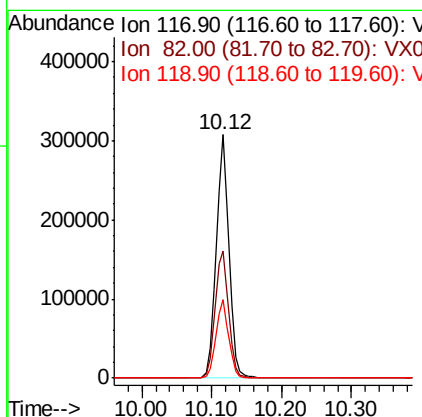
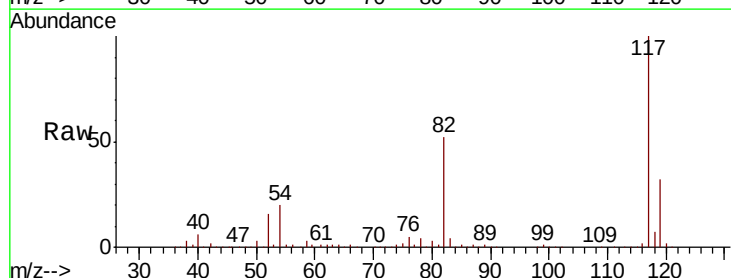
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP1-SRI3

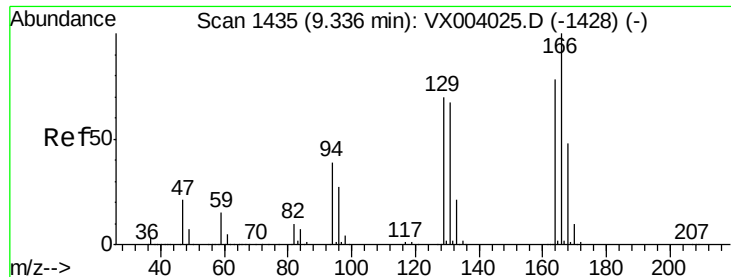
Tot Ion	95	Resp	202248
Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	182.8
176	88.4	0.0	179.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX004041.D
 Acq: 14 Aug 2018 19:57

Tgt Ion	117	Resp	387760
Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.4	68.0
119	32.3	26.6	40.0

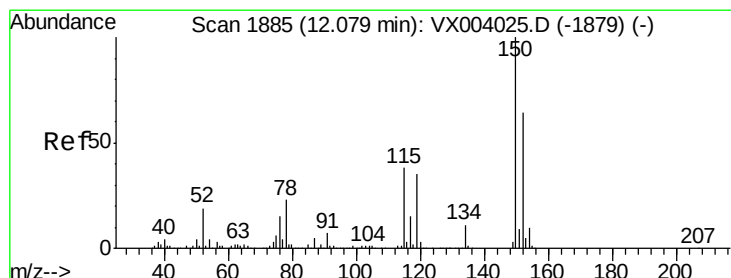
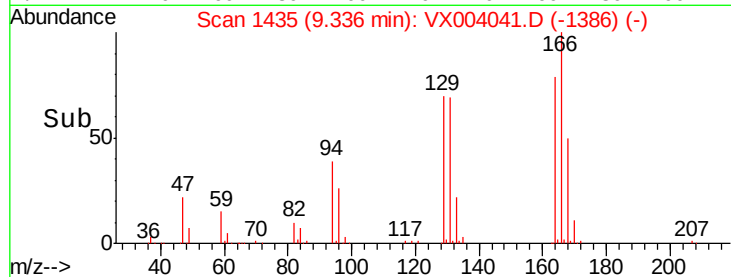
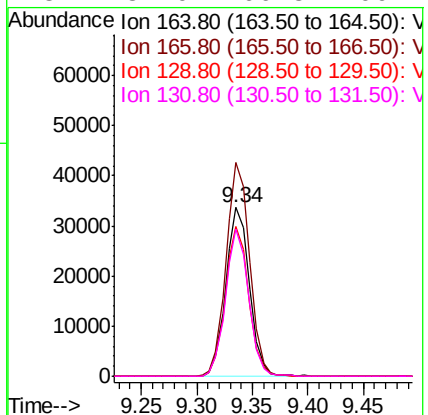
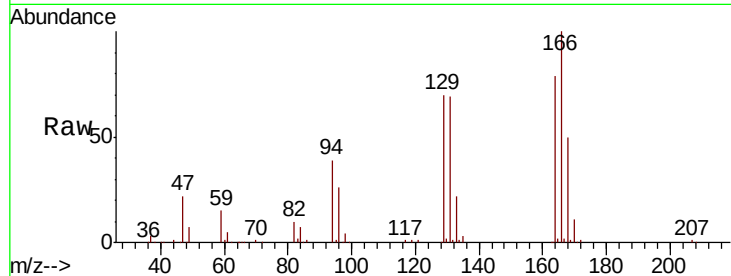




#64
Tetrachloroethene
Concen: 13.40 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004041.D
Acq: 14 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
DUP1-SRI3

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.6	98.0	147.0
129	88.5	64.3	96.5
131	87.0	66.8	100.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004041.D
Acq: 14 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	39.1	117.3
150	155.6	0.0	349.2

