

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007982.D
 Acq On : 11 Mar 2019 20:43
 Operator : JC/SP
 Sample : K1841-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20190308

Quant Time: Mar 12 09:14:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	407567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	388851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189926	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	142746	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	5.50	113	132194	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	8.71	98	497345	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.13	95	183167	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	

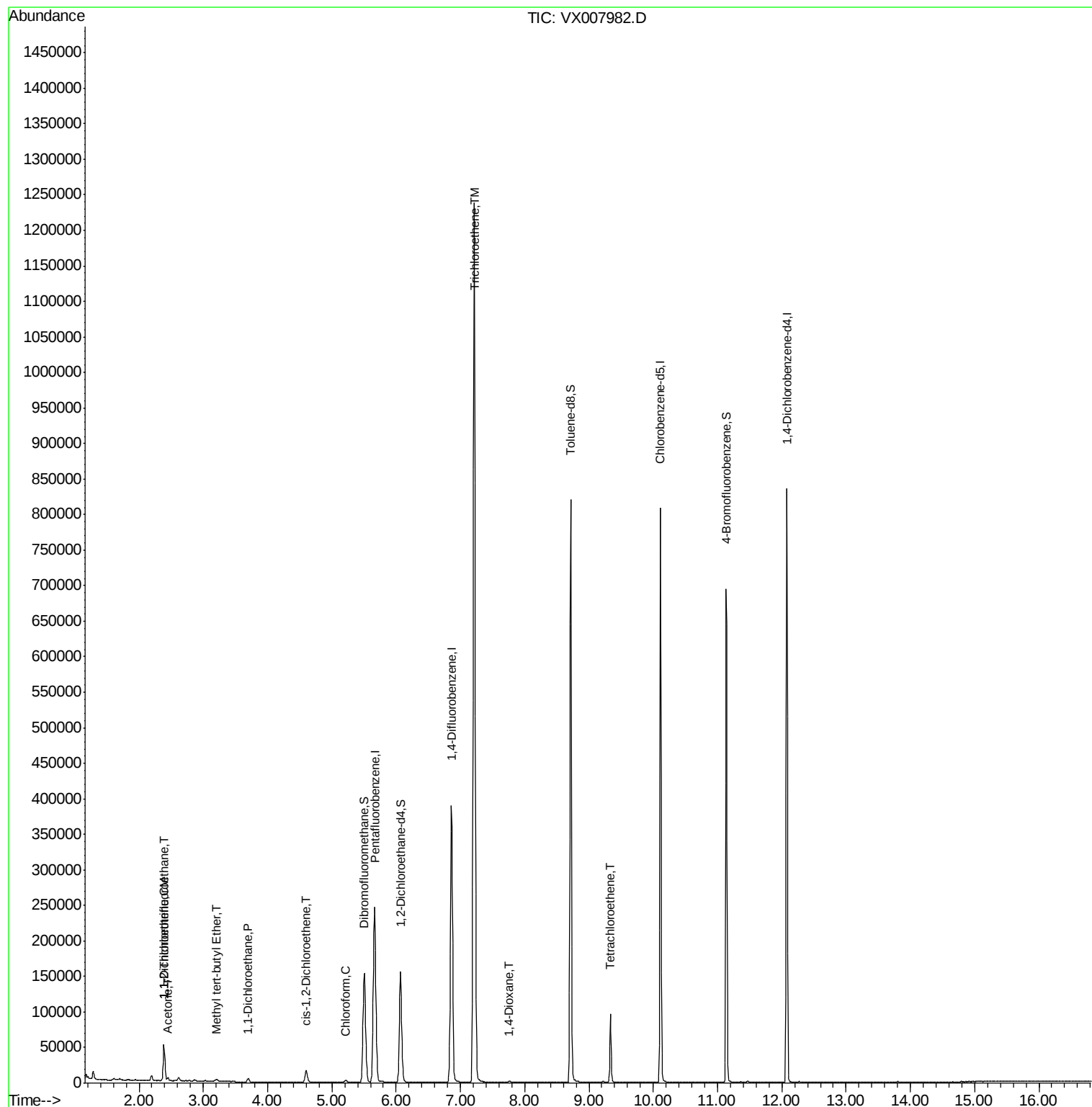
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	17709	7.703	ug/l	99
12) 1,1-Dichloroethene	2.38	96	3988	1.799	ug/l	94
16) Acetone	2.45	43	3999	2.514	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	3144	0.412	ug/l #	85
24) 1,1-Dichloroethane	3.70	63	6219	1.354	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	10489	3.759	ug/l	91
30) Chloroform	5.21	83	3088	0.711	ug/l	90
44) Trichloroethene	7.21	130	513646	169.648	ug/l	100
49) 1,4-Dioxane	7.75	88	1429	20.414	ug/l	94
64) Tetrachloroethene	9.34	164	20267	6.289	ug/l	97

(#) = 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. 0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

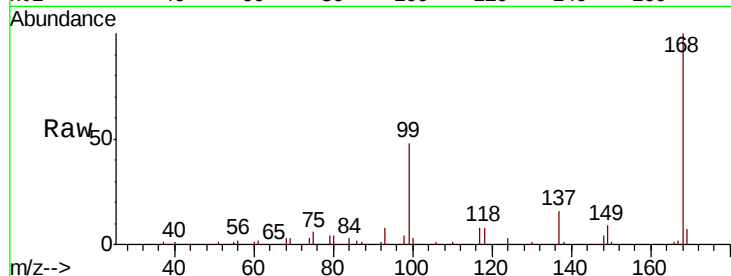
RE125D1-20190308

Tgt Ion:168 Resp: 260480

Ion Ratio Lower Upper

168 100

99 48.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

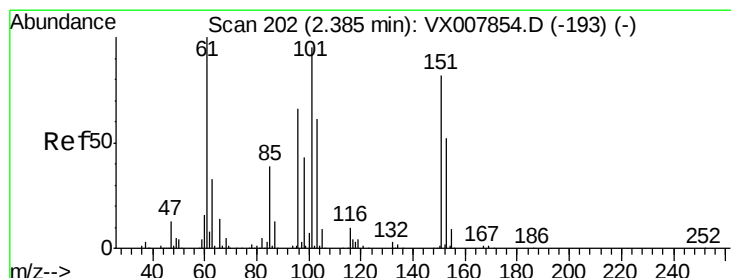
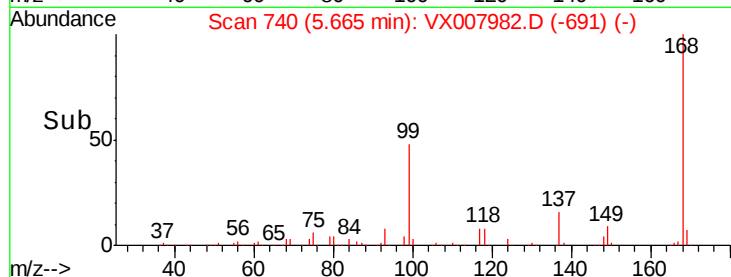
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.703 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007982.D

Acq: 11 Mar 2019 20:43

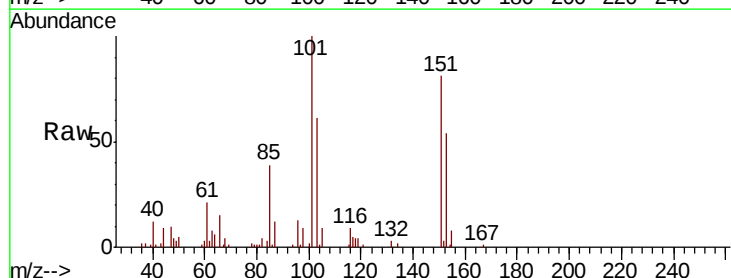
Tgt Ion:101 Resp: 17709

Ion Ratio Lower Upper

101 100

85 41.7 33.8 50.6

151 87.2 69.1 103.7



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

12000

10000

8000

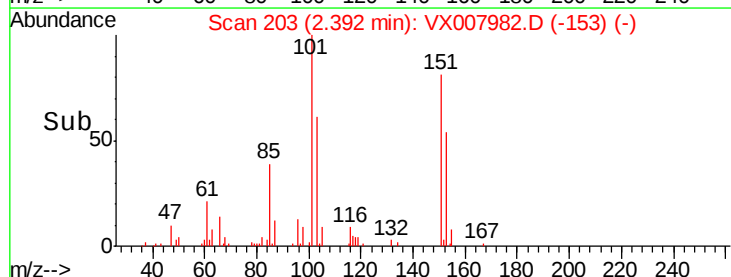
6000

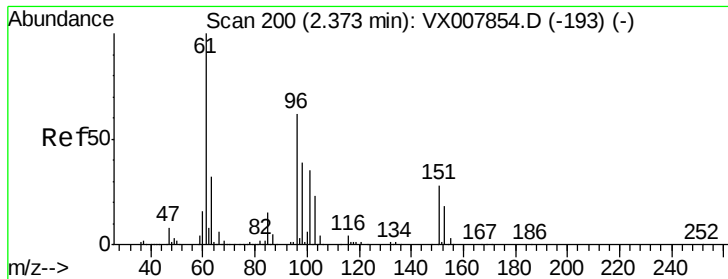
4000

2000

0

Time--> 2.30 2.35 2.40 2.45 2.50





#12

1,1-Dichloroethene

Concen: 1.799 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX007982.D

Acq: 11 Mar 2019 20:43

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20190308

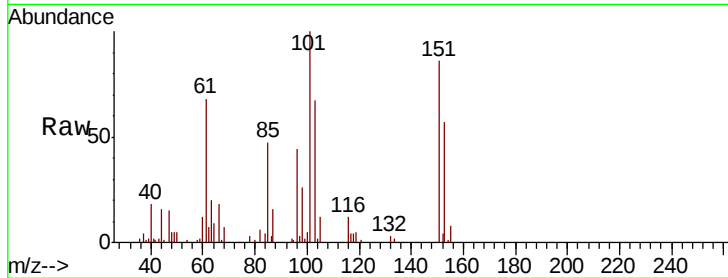
Tgt Ion: 96 Resp: 3988

Ion Ratio Lower Upper

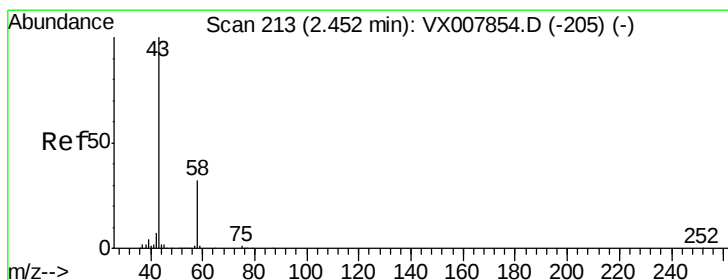
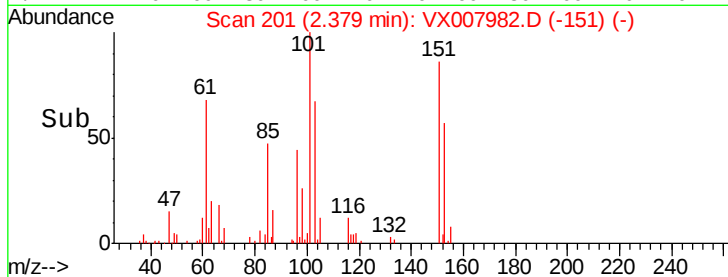
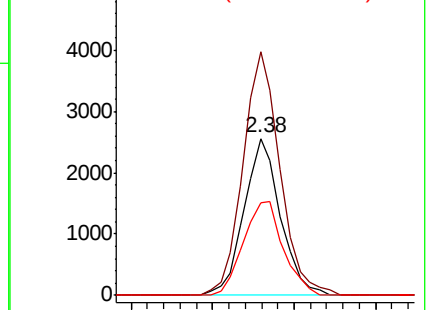
96 100

61 154.9 129.8 194.6

98 59.1 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 2.514 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007982.D

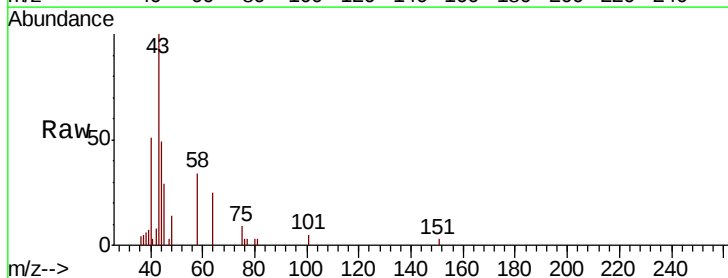
Acq: 11 Mar 2019 20:43

Tgt Ion: 43 Resp: 3999

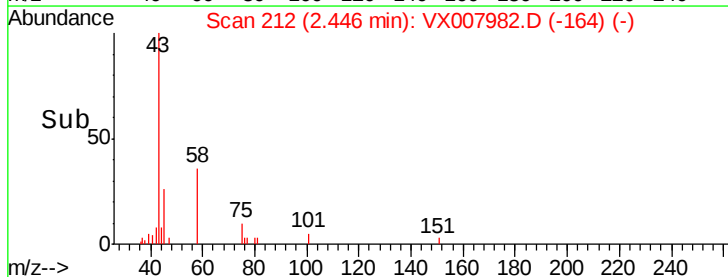
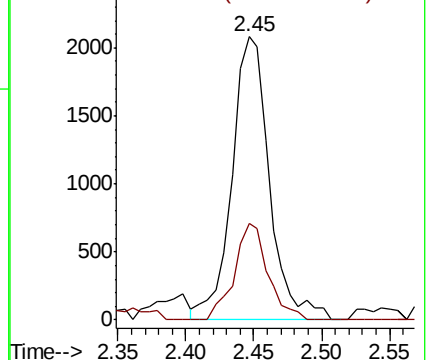
Ion Ratio Lower Upper

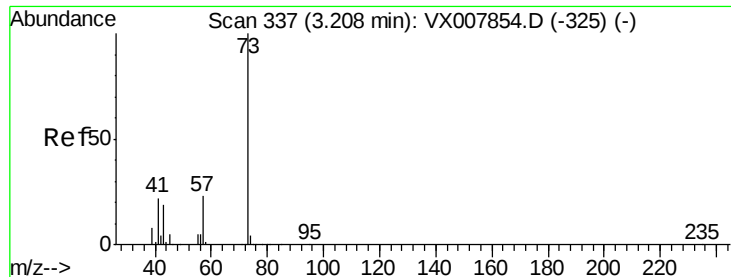
43 100

58 34.3 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

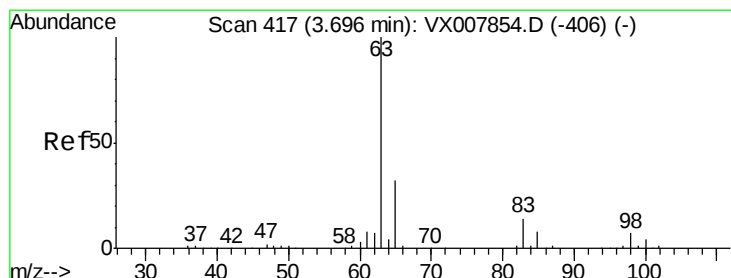
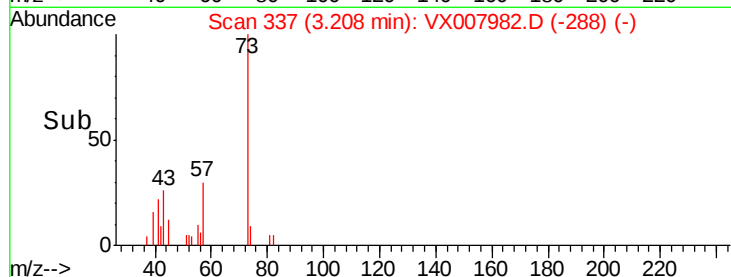
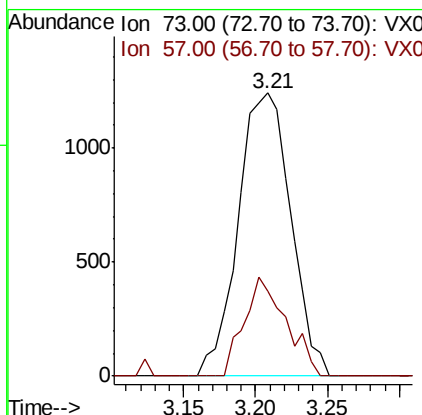
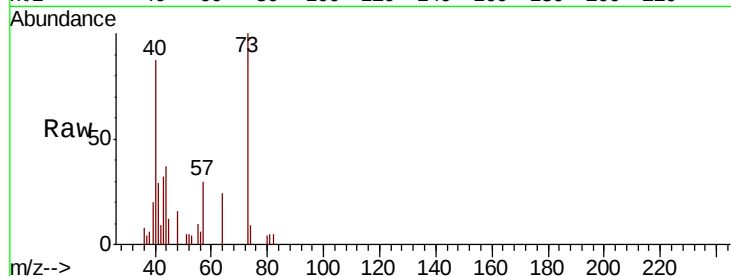




#19
Methyl tert-butyl Ether
Concen: 0.412 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX007982.D
Acq: 11 Mar 2019 20:43

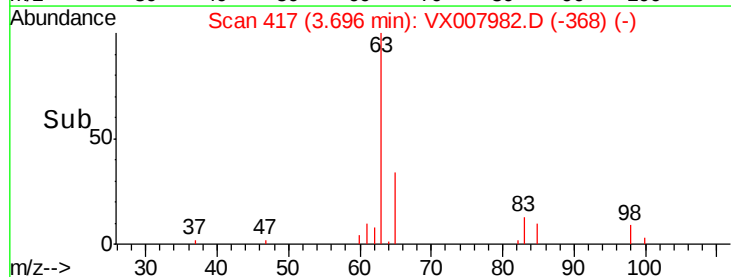
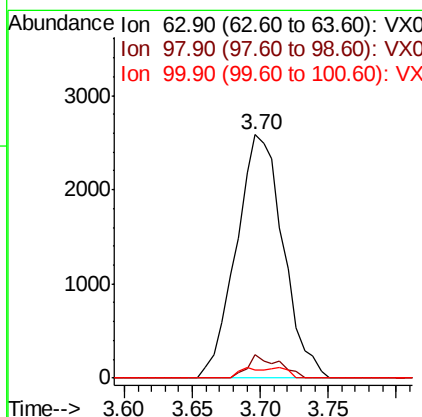
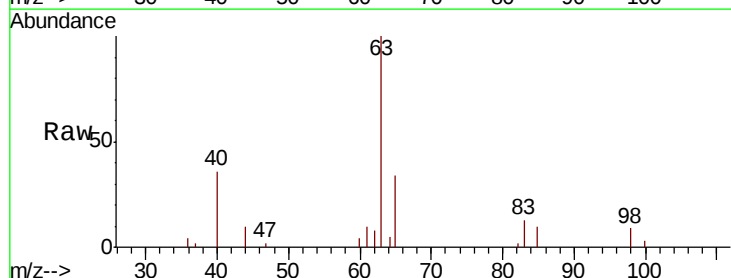
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20190308

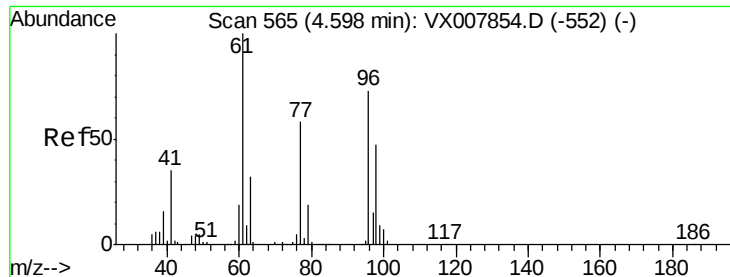
Tgt Ion: 73 Resp: 3144
Ion Ratio Lower Upper
73 100
57 29.8 18.2 27.4#



#24
1,1-Dichloroethane
Concen: 1.354 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX007982.D
Acq: 11 Mar 2019 20:43

Tgt Ion: 63 Resp: 6219
Ion Ratio Lower Upper
63 100
98 9.4 3.3 9.8
100 3.3 2.3 6.8



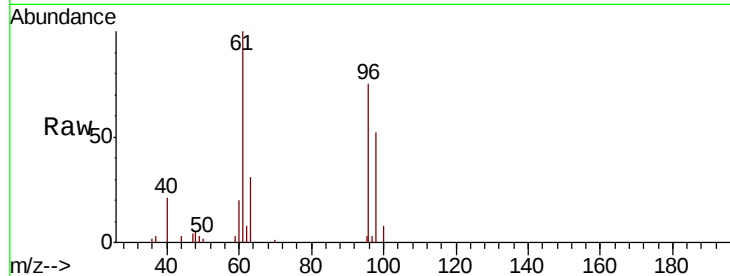


#27

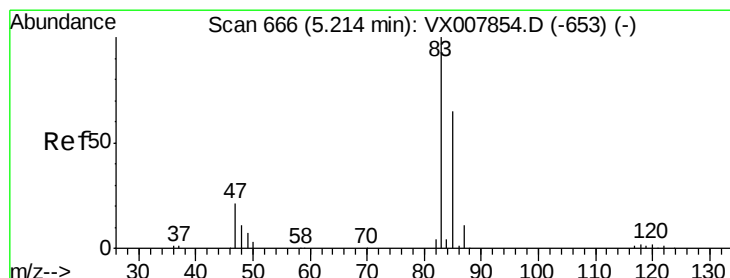
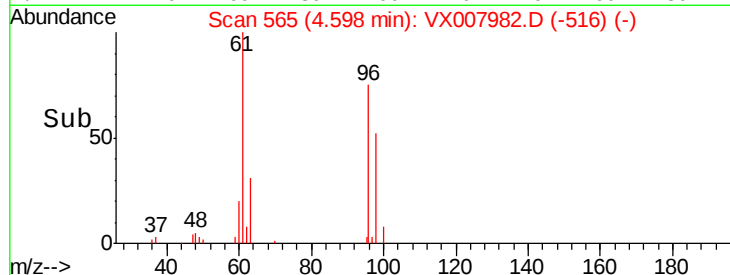
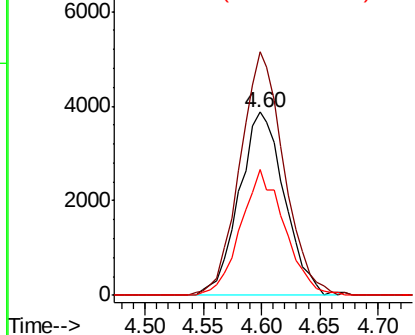
cis-1,2-Dichloroethene
 Concen: 3.759 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007982.D
 Acq: 11 Mar 2019 20:43

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20190308

Tgt Ion: 96 Resp: 10489
 Ion Ratio Lower Upper
 96 100
 61 128.5 0.0 288.0
 98 66.2 0.0 129.0



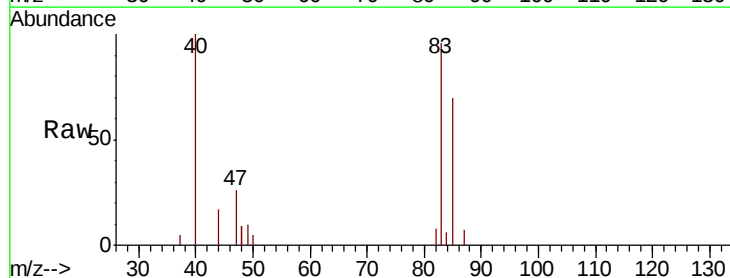
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



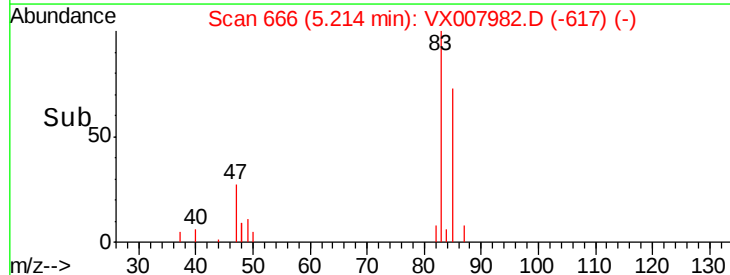
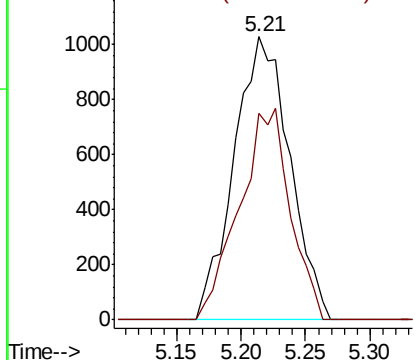
#30

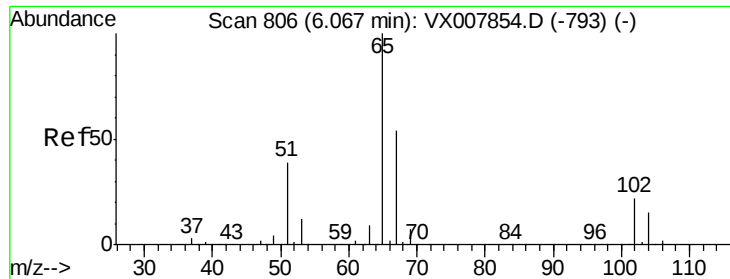
Chloroform
 Concen: 0.711 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VX007982.D
 Acq: 11 Mar 2019 20:43

Tgt Ion: 83 Resp: 3088
 Ion Ratio Lower Upper
 83 100
 85 72.9 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0

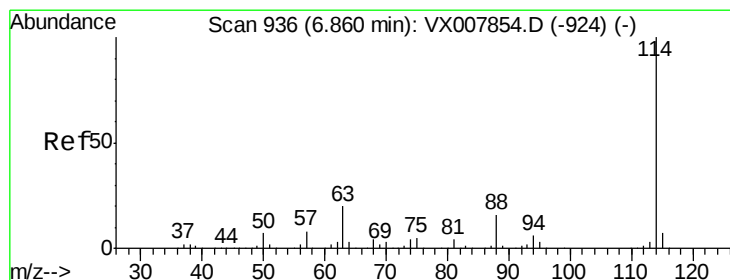
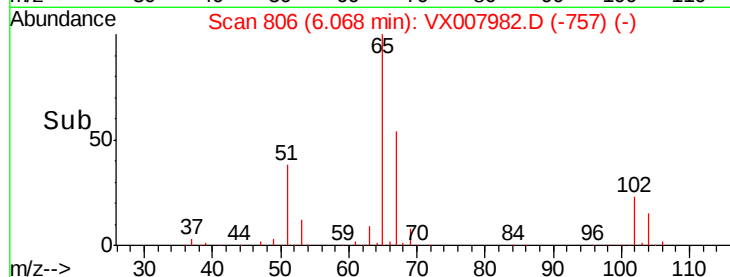
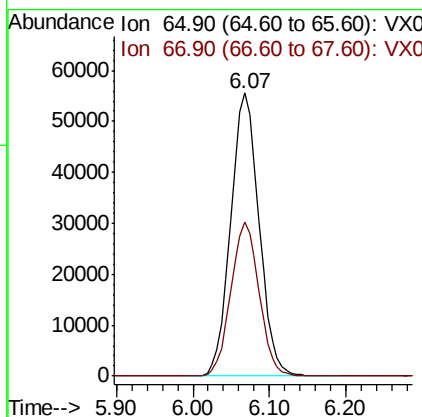
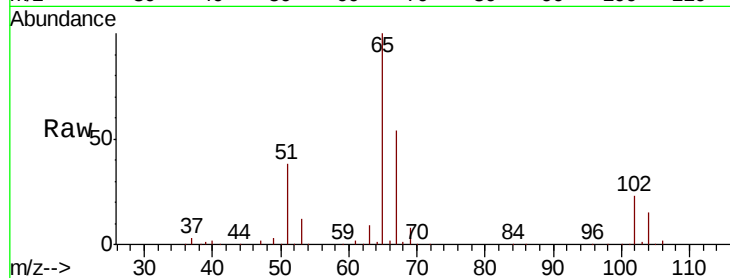




#33
 1,2-Dichloroethane-d4
 Concen: 51.949 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007982.D
 Acq: 11 Mar 2019 20:43

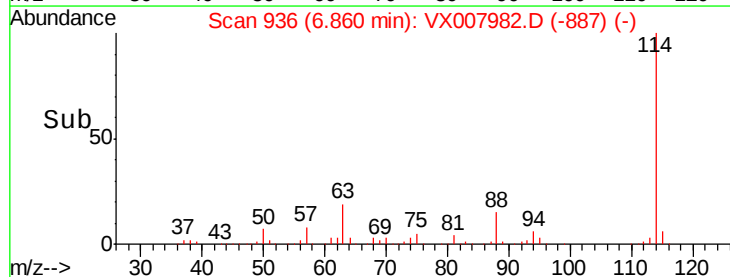
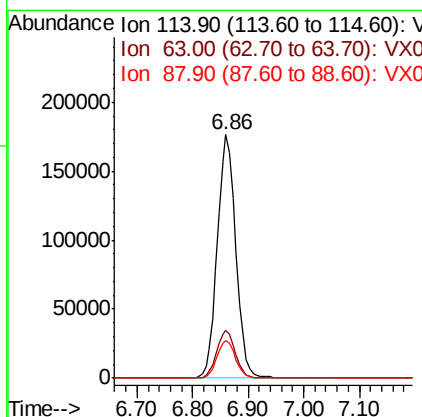
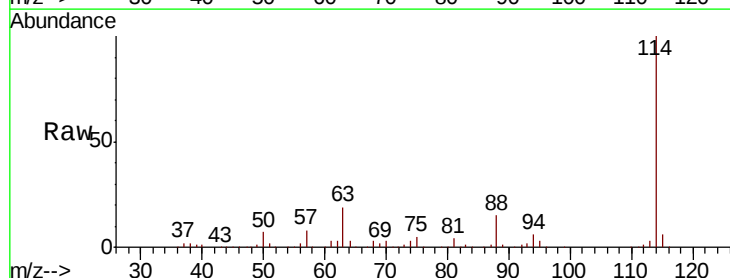
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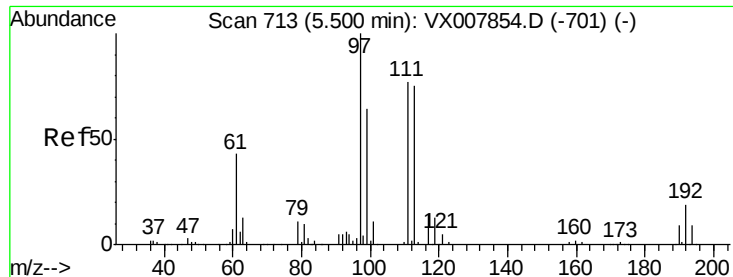
Tgt Ion: 65 Resp: 142746
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007982.D
 Acq: 11 Mar 2019 20:43

Tgt Ion: 114 Resp: 407567
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.4 0.0 31.4

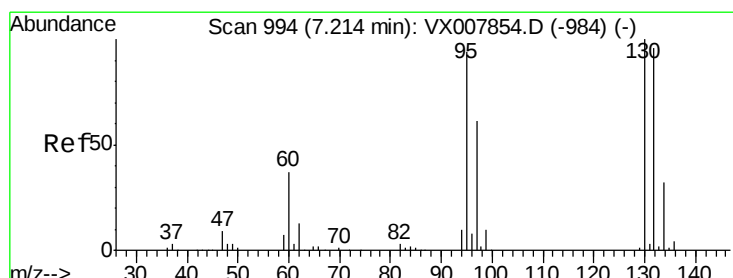
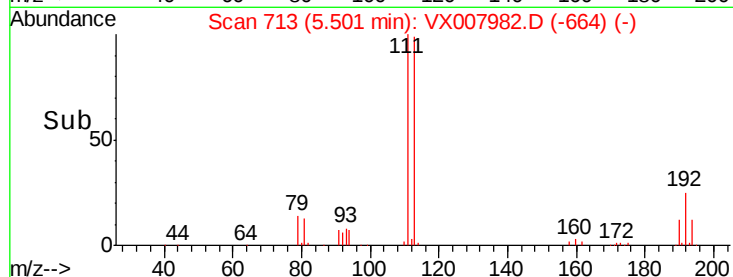
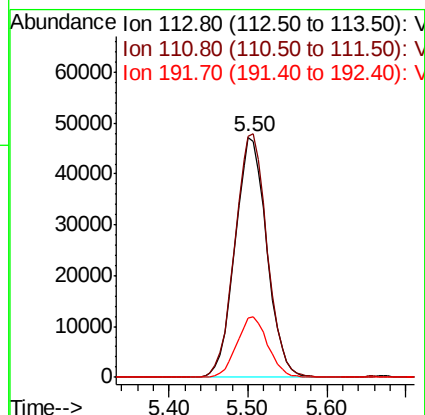
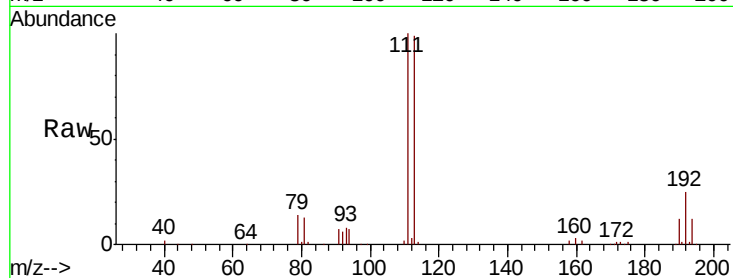




#35
 Dibromofluoromethane
 Concen: 50.706 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007982.D
 Acq: 11 Mar 2019 20:43

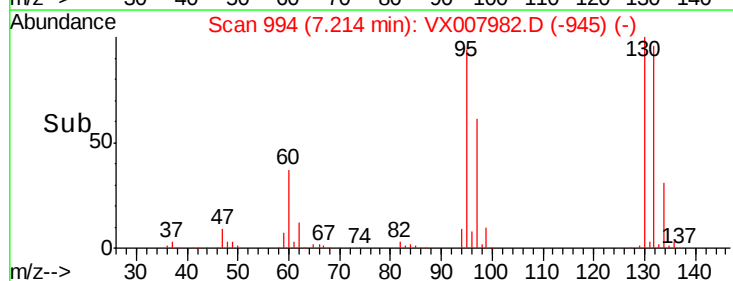
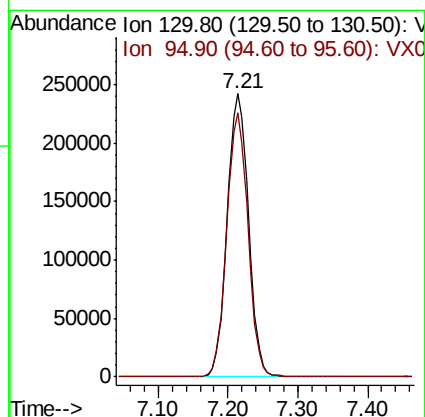
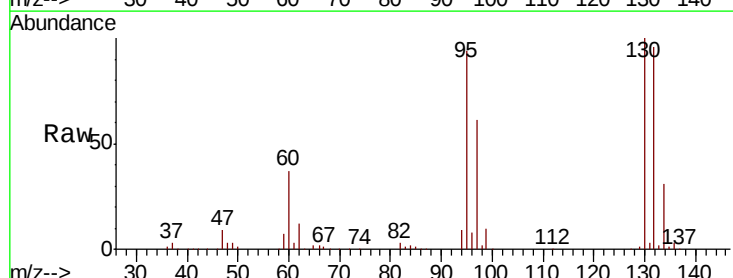
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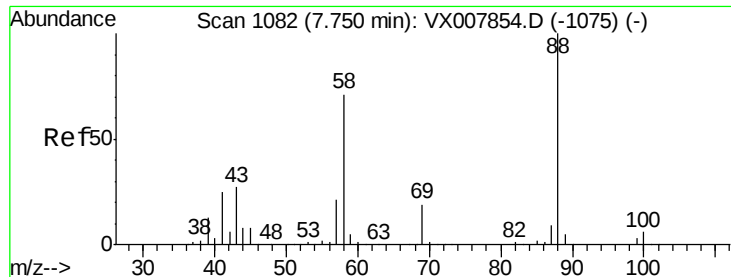
Tgt Ion:113 Resp: 132194
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.0
 192 24.8 19.4 29.0



#44
 Trichloroethene
 Concen: 169.648 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007982.D
 Acq: 11 Mar 2019 20:43

Tgt Ion:130 Resp: 513646
 Ion Ratio Lower Upper
 130 100
 95 93.6 0.0 188.0

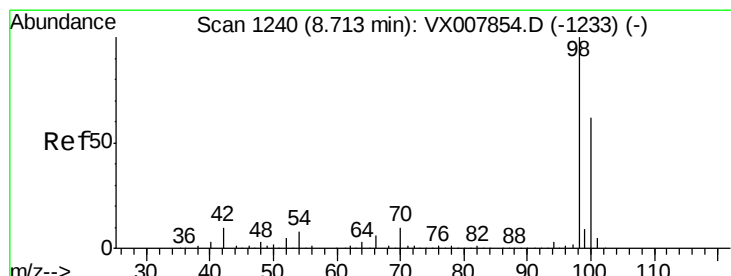
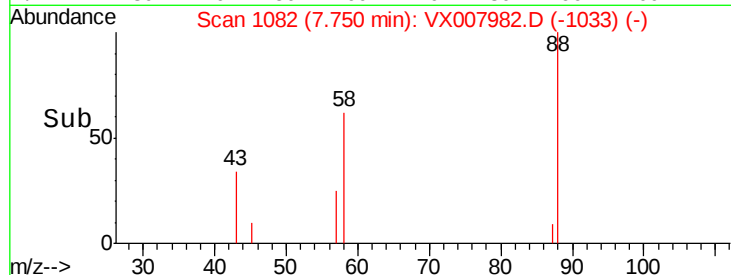
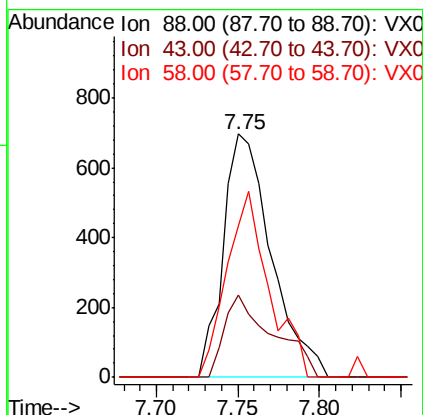
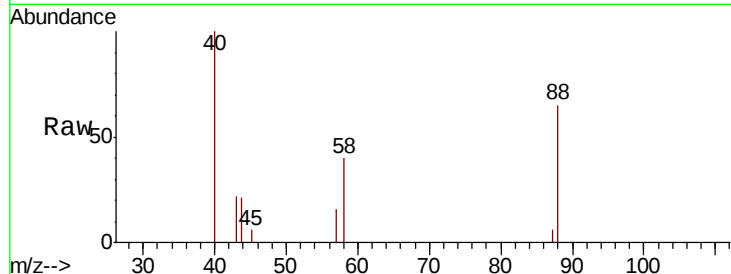




#49
 1,4-Dioxane
 Concen: 20.414 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VX007982.D
 Acq: 11 Mar 2019 20:43

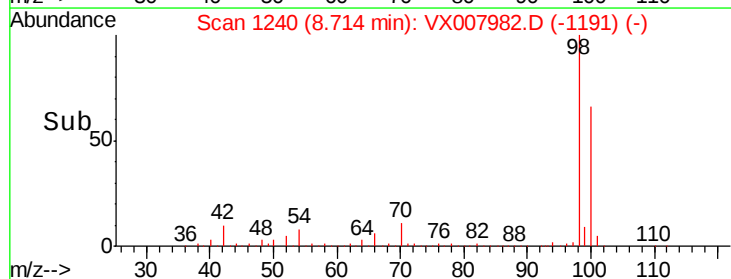
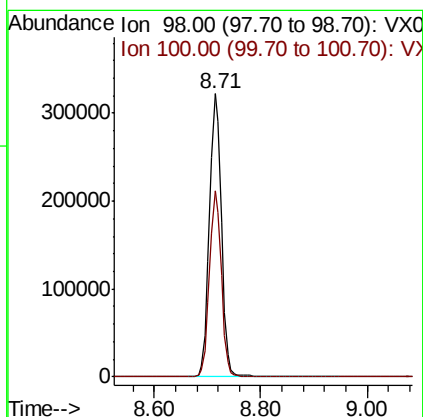
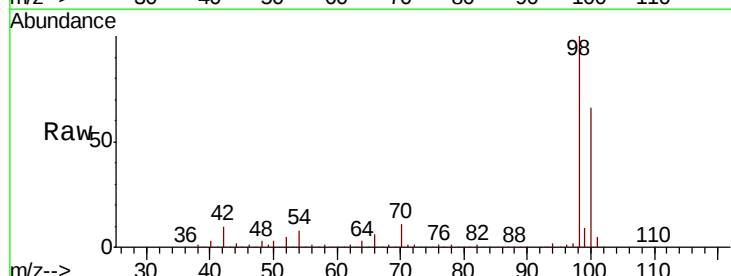
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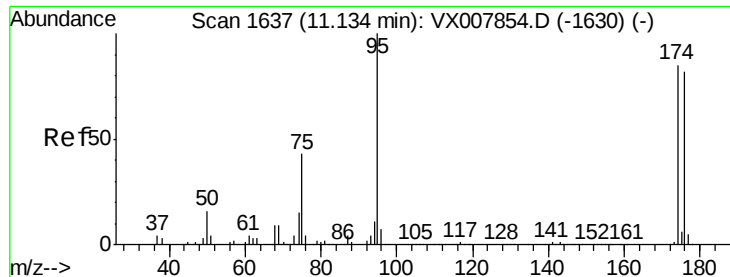
Tgt Ion: 88 Resp: 1429
 Ion Ratio Lower Upper
 88 100
 43 34.4 25.1 37.7
 58 67.3 57.8 86.6



#50
 Toluene-d8
 Concen: 51.944 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007982.D
 Acq: 11 Mar 2019 20:43

Tgt Ion: 98 Resp: 497345
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 54.565 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007982.D

Acq: 11 Mar 2019 20:43

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20190308

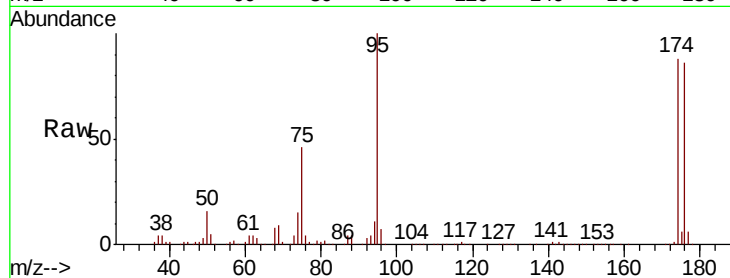
Tgt Ion: 95 Resp: 183167

Ion Ratio Lower Upper

95 100

174 93.2 0.0 182.8

176 90.2 0.0 178.0

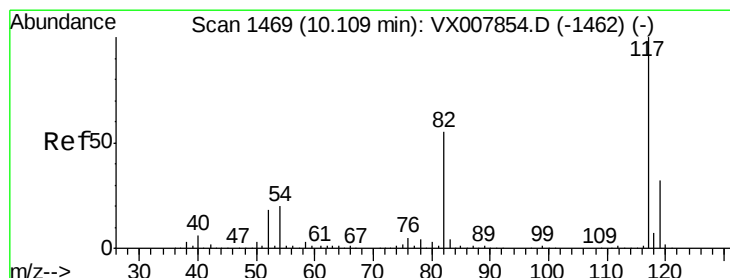
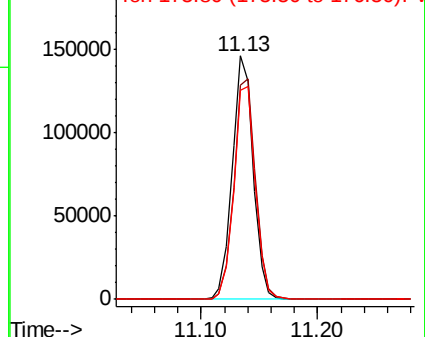
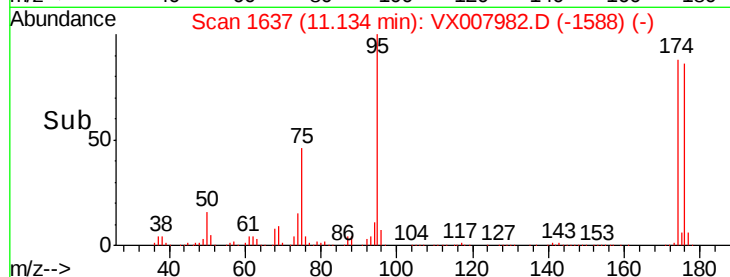


Abundance

Ion 94.90 (94.60 to 95.60): VX007982.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007982.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007982.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007982.D

Acq: 11 Mar 2019 20:43

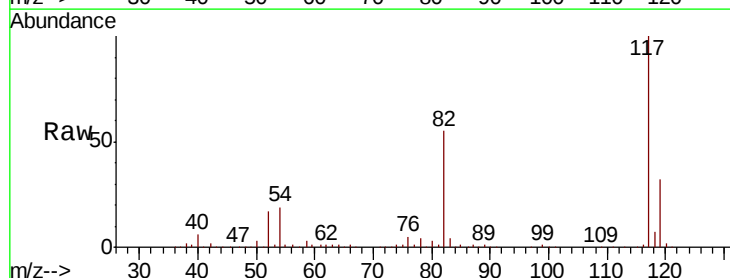
Tgt Ion: 117 Resp: 388851

Ion Ratio Lower Upper

117 100

82 55.5 44.3 66.5

119 32.3 25.3 37.9

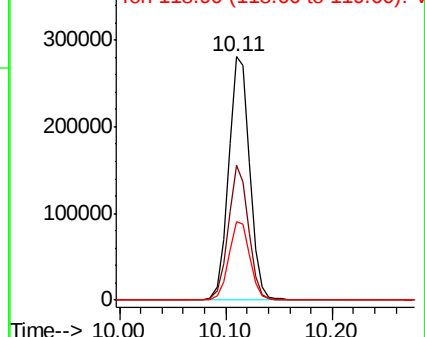
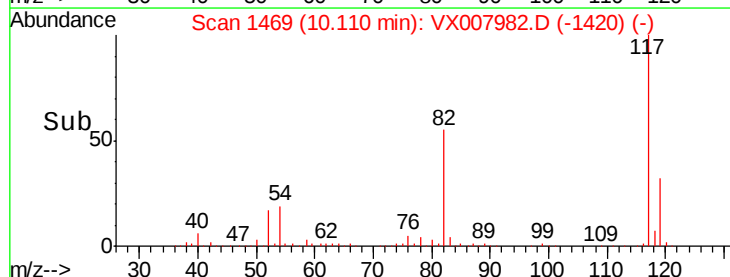


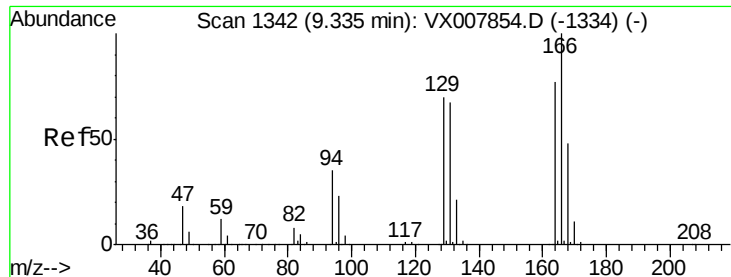
Abundance

Ion 116.90 (116.60 to 117.60): VX007982.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007982.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007982.D (-1420) (-)

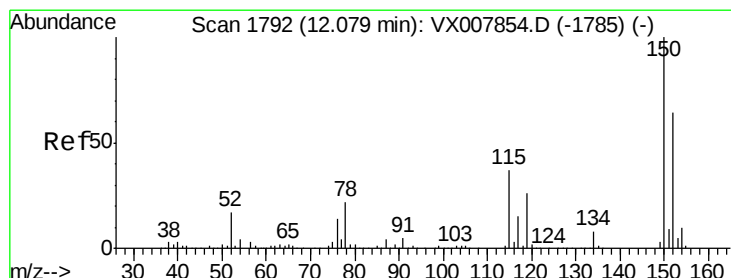
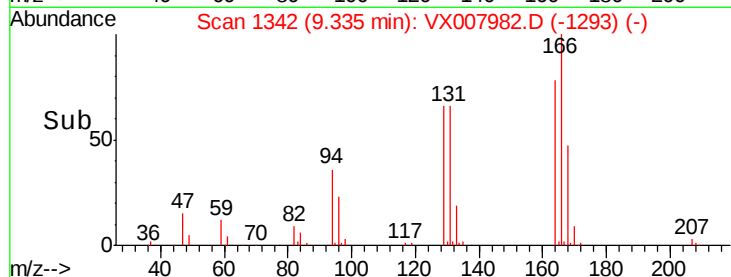
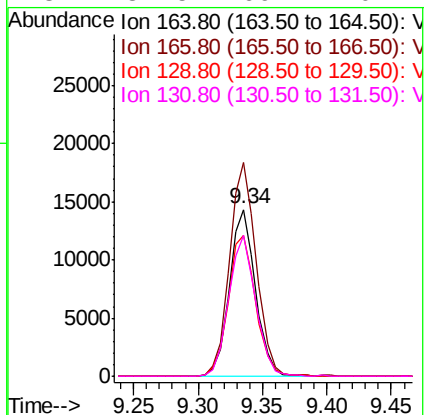
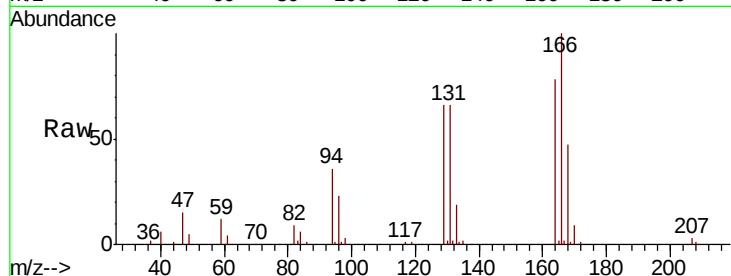




#64
Tetrachloroethene
Concen: 6.289 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007982.D
Acq: 11 Mar 2019 20:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20190308

Tgt Ion:164 Resp: 20267
Ion Ratio Lower Upper
164 100
166 127.8 103.4 155.0
129 84.3 72.2 108.4
131 84.5 69.4 104.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007982.D
Acq: 11 Mar 2019 20:43

Tgt Ion:152 Resp: 189926
Ion Ratio Lower Upper
152 100
115 54.8 38.6 115.7
150 155.6 0.0 348.4

