

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008271.D
 Acq On : 21 Mar 2019 04:06
 Operator : JC/SP
 Sample : K1912-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M3-T1-UV(PRE)

Quant Time: Mar 22 08:07:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	305825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	503725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	425985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170459	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	214681	46.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.22%	
35) Dibromofluoromethane	5.50	113	164178	48.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.38%	
50) Toluene-d8	8.71	98	617080	48.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	11.13	95	193966	44.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.12%	

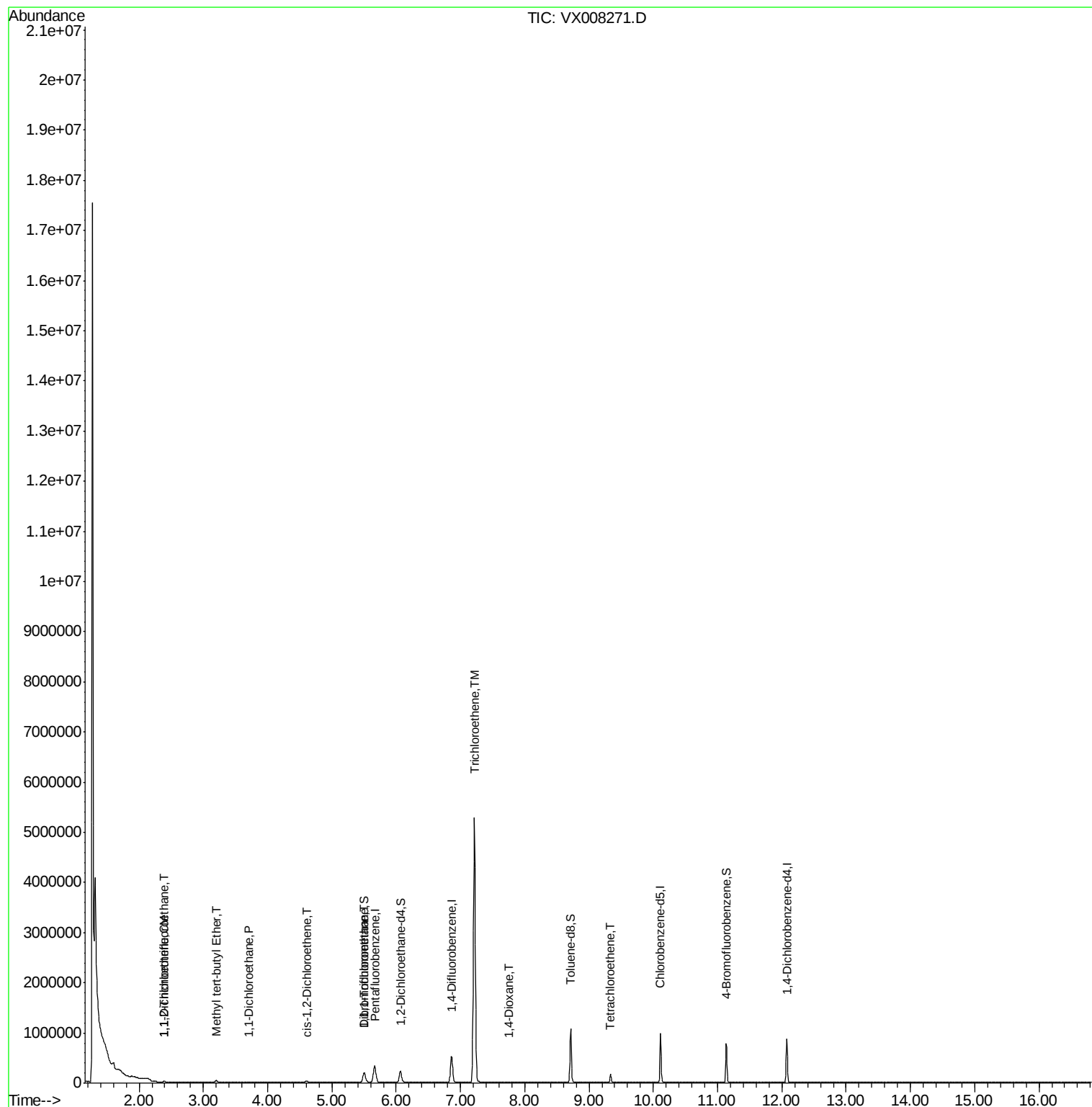
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5484	1.395	ug/l	90
12) 1,1-Dichloroethene	2.38	96	2416	0.651	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	34495	2.571	ug/l	96
24) 1,1-Dichloroethane	3.70	63	9493	1.167	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	13924	3.047	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	2936	0.464	ug/l #	41
44) Trichloroethene	7.22	130	1977272	465.868	ug/l	90
49) 1,4-Dioxane	7.75	88	1504	14.425	ug/l #	82
64) Tetrachloroethene	9.34	164	29963	7.796	ug/l	97

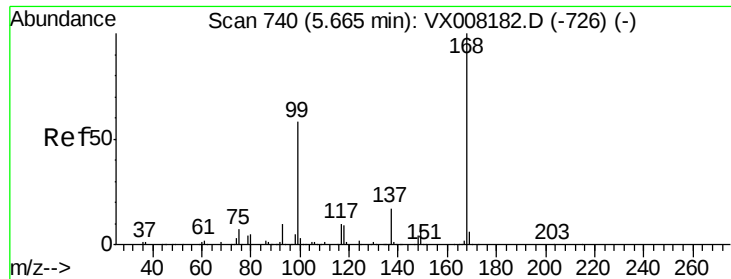
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008271.D

Acq: 21 Mar 2019 04:06

Instrument :

MSVOA_X

ClientSampleId :

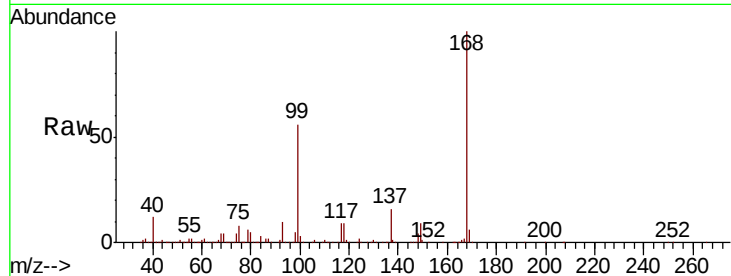
M3-T1-UV(PRE)

Tot Ion:168 Resp: 305825

Ion Ratio Lower Upper

168 100

99 55.6 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

120000

100000

80000

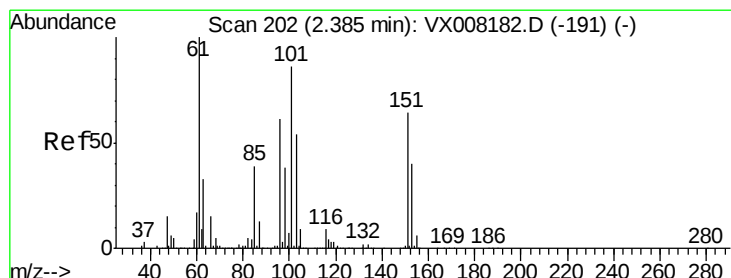
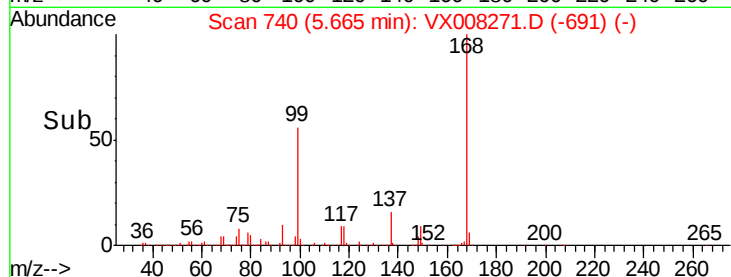
60000

40000

20000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.395 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008271.D

Acq: 21 Mar 2019 04:06

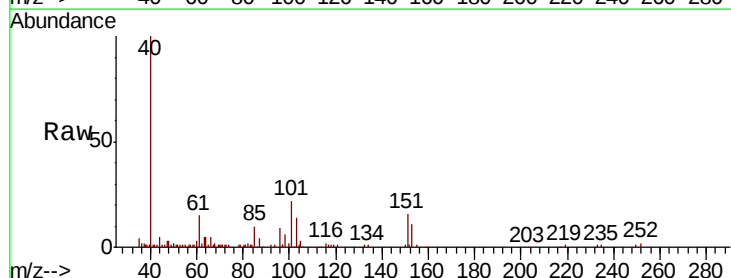
Tgt Ion:101 Resp: 5484

Ion Ratio Lower Upper

101 100

85 50.0 33.8 50.6

151 78.0 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

4000

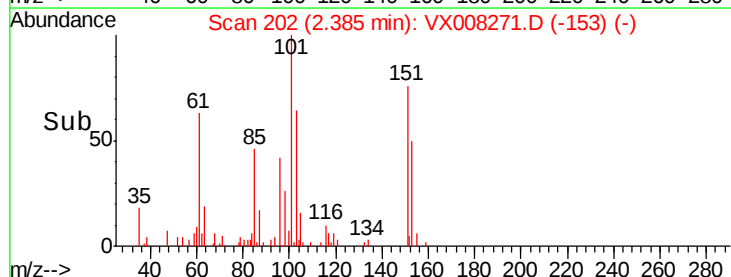
3000

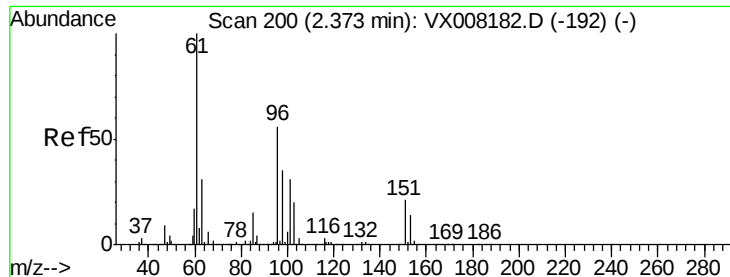
2000

1000

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.651 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX008271.D

Acq: 21 Mar 2019 04:06

Instrument :

MSVOA_X

ClientSampleId :

M3-T1-UV(PRE)

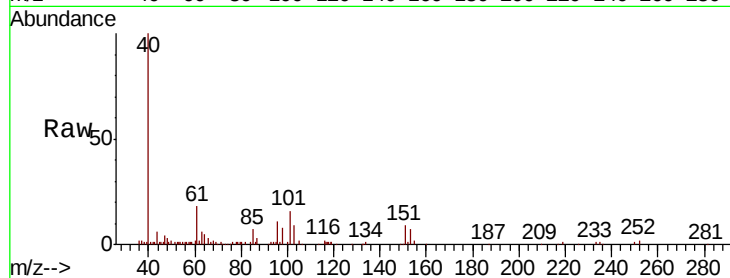
Tot Ion: 96 Resp: 2416

Ion Ratio Lower Upper

96 100

61 158.6 129.8 194.6

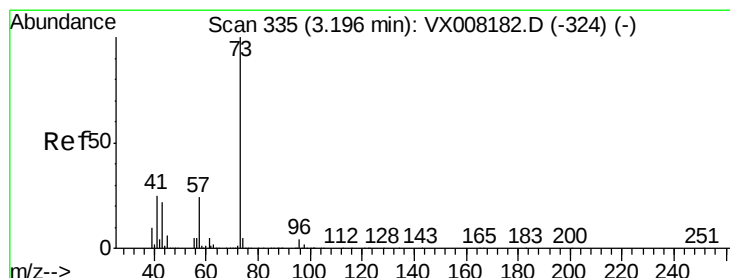
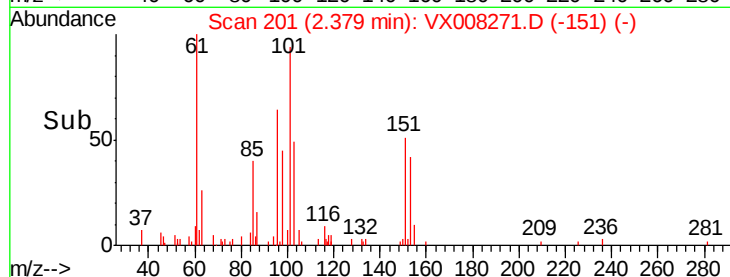
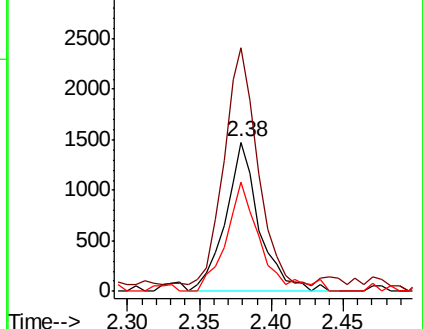
98 73.3 51.0 76.6



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



#19

Methyl tert-butyl Ether

Concen: 2.571 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX008271.D

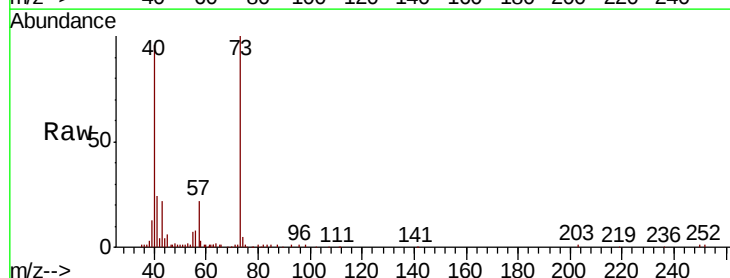
Acq: 21 Mar 2019 04:06

Tgt Ion: 73 Resp: 34495

Ion Ratio Lower Upper

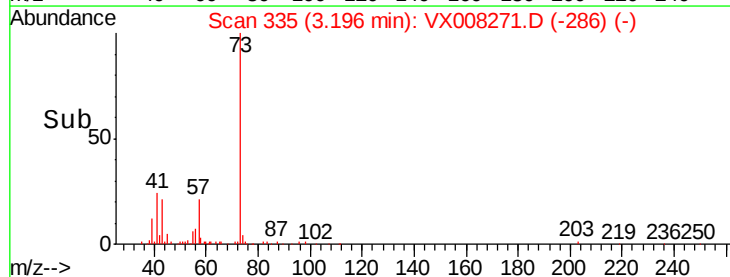
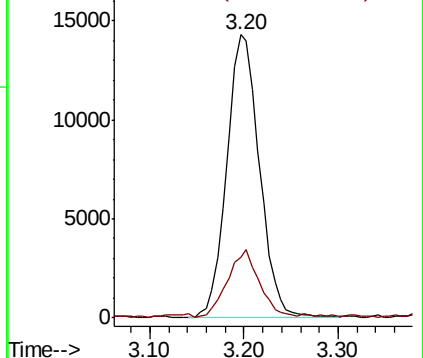
73 100

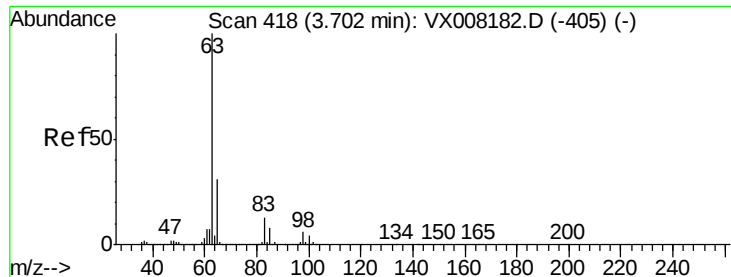
57 21.0 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#24

1,1-Dichloroethane

Concen: 1.167 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008271.D

Acq: 21 Mar 2019 04:06

Instrument :

MSVOA_X

ClientSampleId :

M3-T1-UV(PRE)

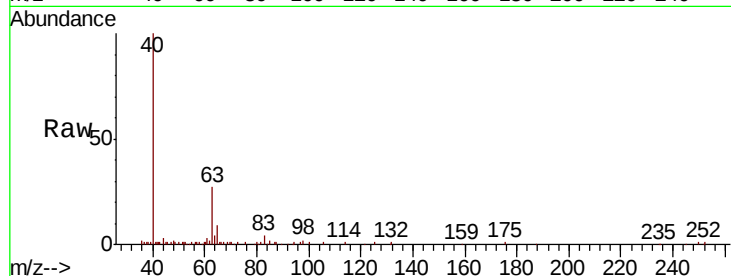
Tot Ion: 63 Resp: 9493

Ion Ratio Lower Upper

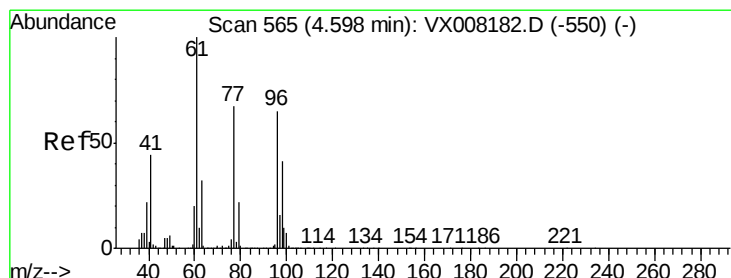
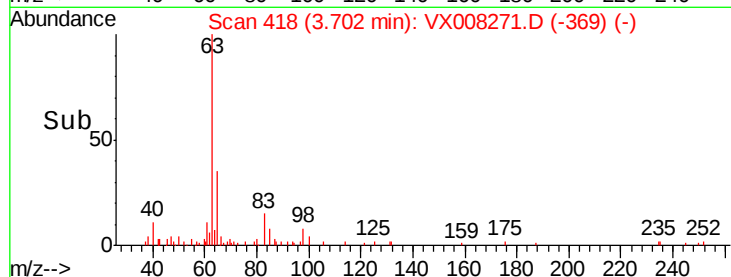
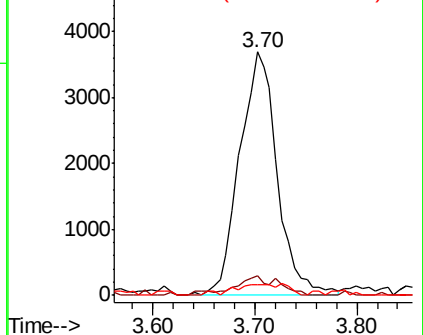
63 100

98 8.2 3.3 9.8

100 4.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 3.047 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX008271.D

Acq: 21 Mar 2019 04:06

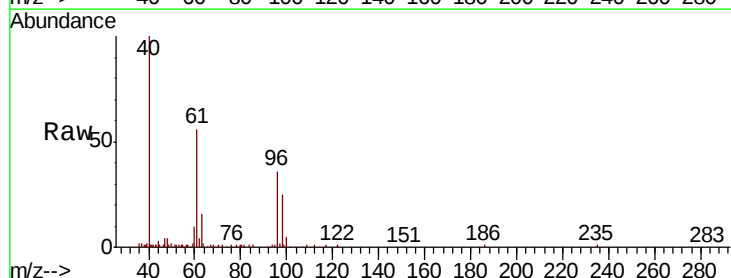
Tgt Ion: 96 Resp: 13924

Ion Ratio Lower Upper

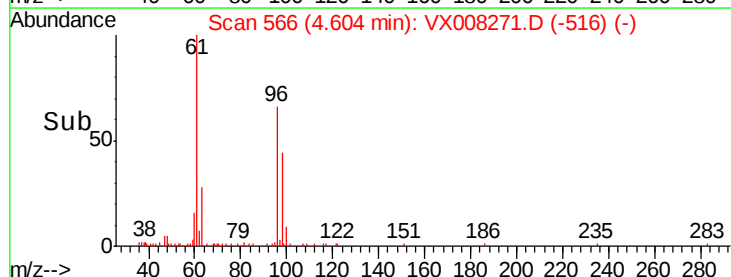
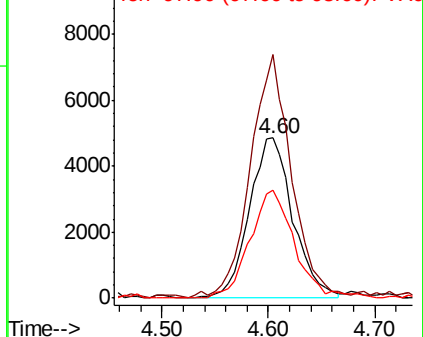
96 100

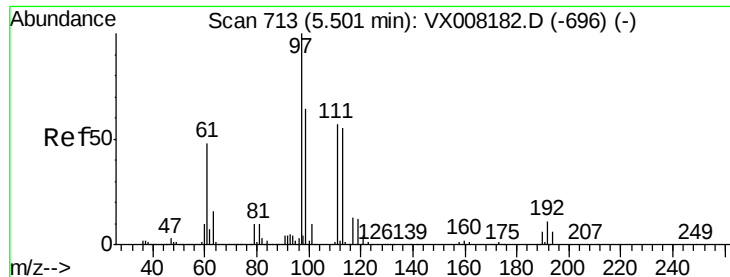
61 143.5 0.0 288.0

98 68.9 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





#32

1,1,1-Trichloroethane

Concen: 0.464 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008271.D

Acq: 21 Mar 2019 04:06

Instrument :

MSVOA_X

ClientSampleId :

M3-T1-UV(PRE)

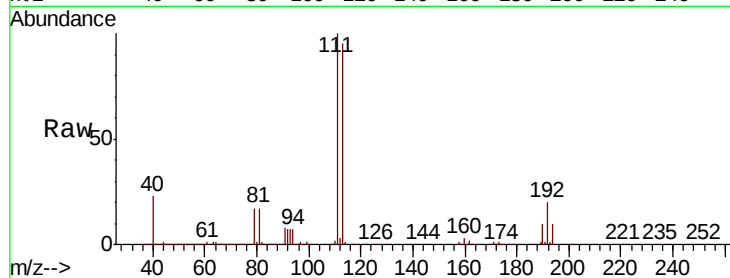
Tot Ion: 97 Resp: 2936

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

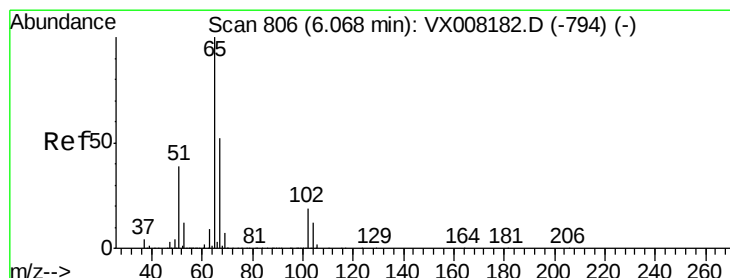
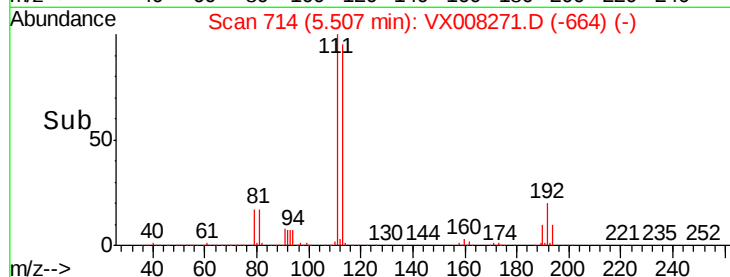
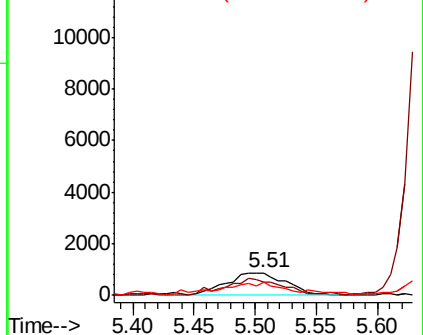
61 59.3 34.9 52.3#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.609 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008271.D

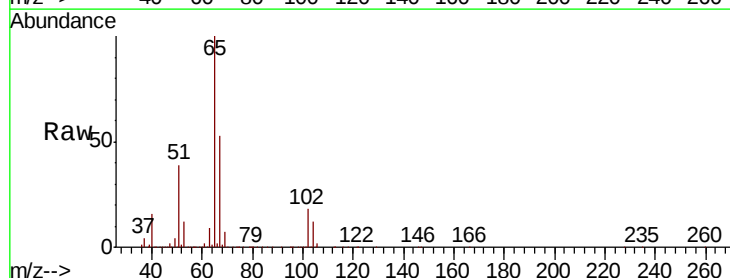
Acq: 21 Mar 2019 04:06

Tgt Ion: 65 Resp: 214681

Ion Ratio Lower Upper

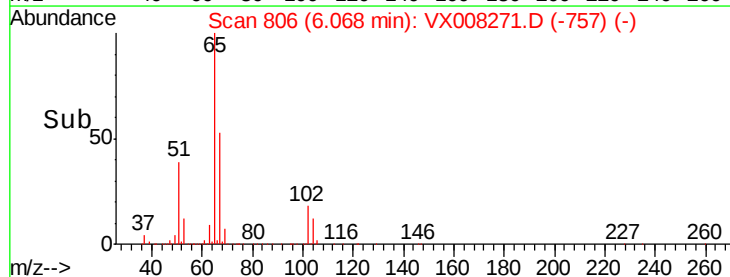
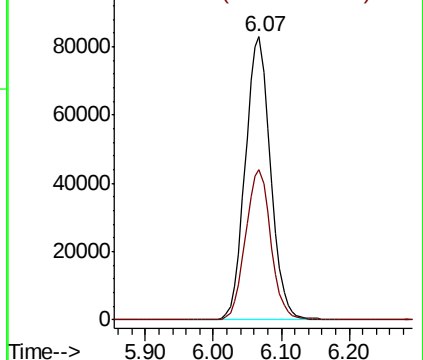
65 100

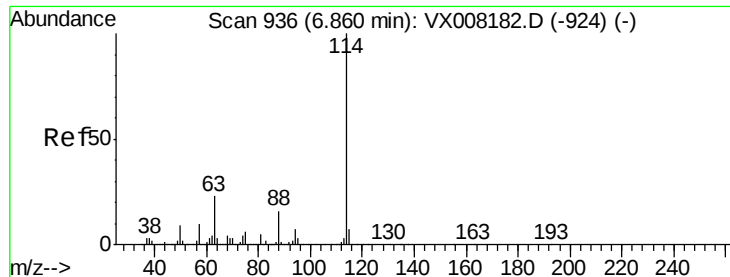
67 53.0 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008271.D

Acq: 21 Mar 2019 04:06

Instrument :

MSVOA_X

ClientSampleId :

M3-T1-UV(PRE)

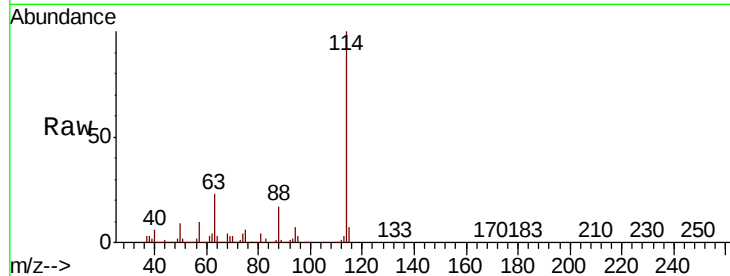
Tot Ion:114 Resp: 503725

Ion Ratio Lower Upper

114 100

63 22.8 0.0 39.8

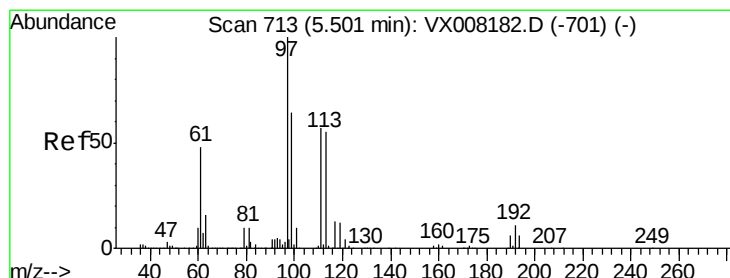
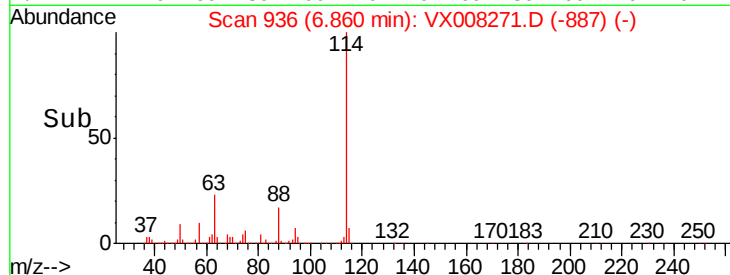
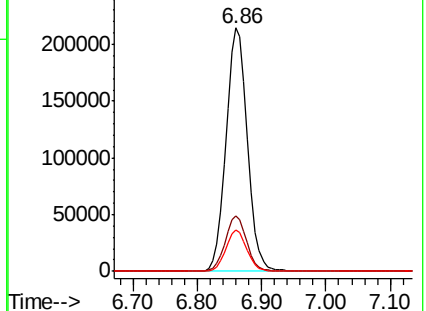
88 17.0 0.0 31.4



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: 48.687 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008271.D

Acq: 21 Mar 2019 04:06

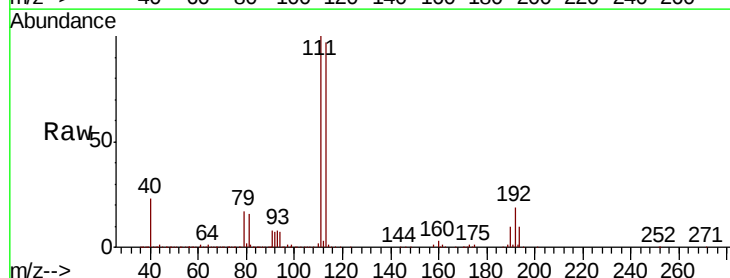
Tgt Ion:113 Resp: 164178

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

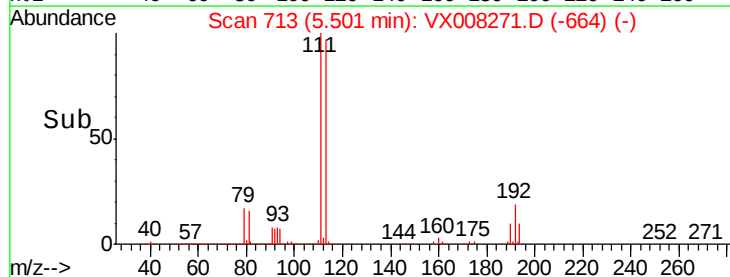
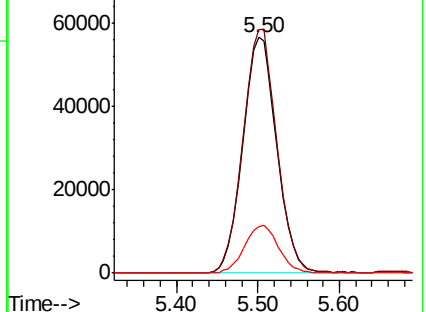
192 20.6 19.4 29.0

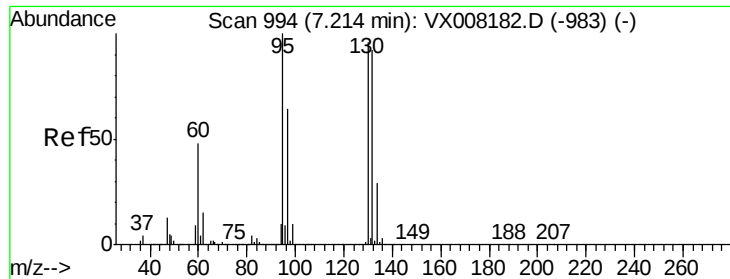


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 465.868 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008271.D

Acq: 21 Mar 2019 04:06

Instrument :

MSVOA_X

ClientSampleId :

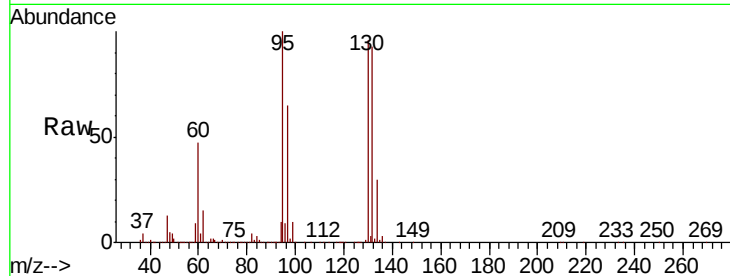
M3-T1-UV(PRE)

Tot Ion:130 Resp: 1977272

Ion Ratio Lower Upper

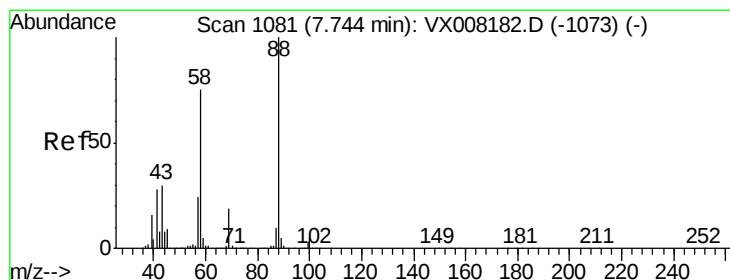
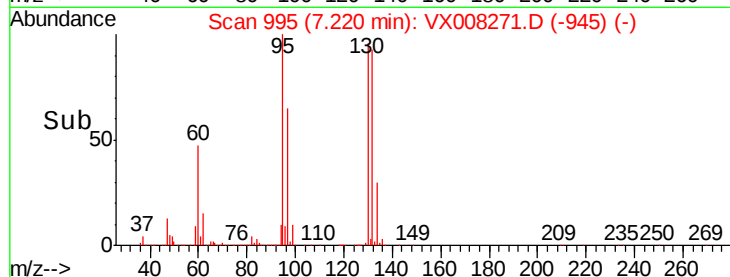
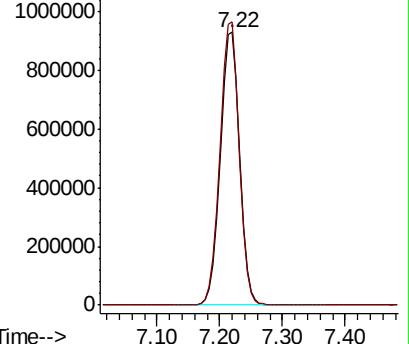
130 100

95 103.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 14.425 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008271.D

Acq: 21 Mar 2019 04:06

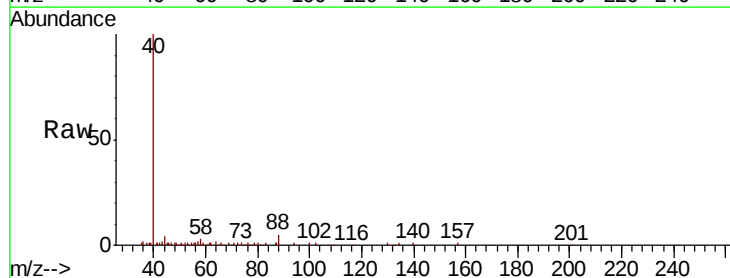
Tgt Ion: 88 Resp: 1504

Ion Ratio Lower Upper

88 100

43 52.6 25.1 37.7#

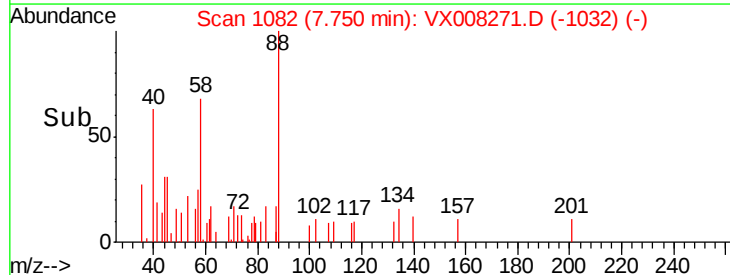
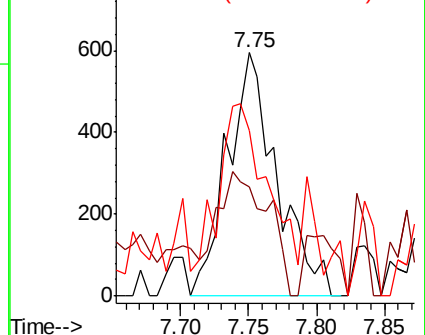
58 64.2 57.8 86.6

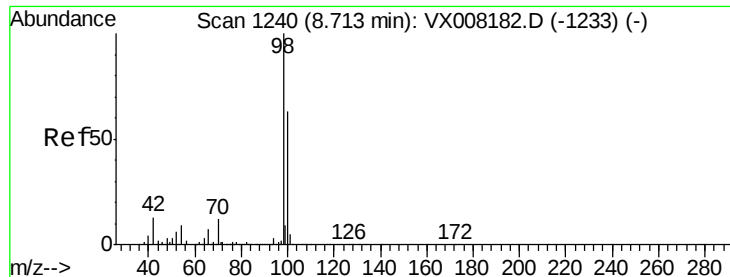


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

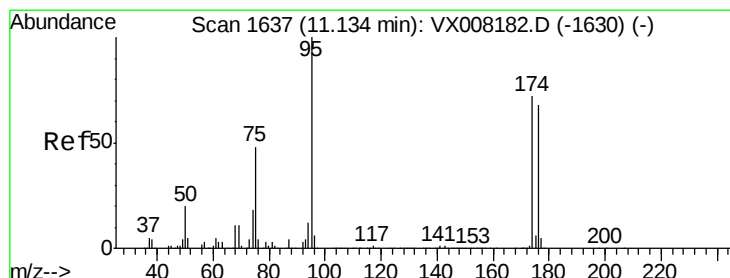
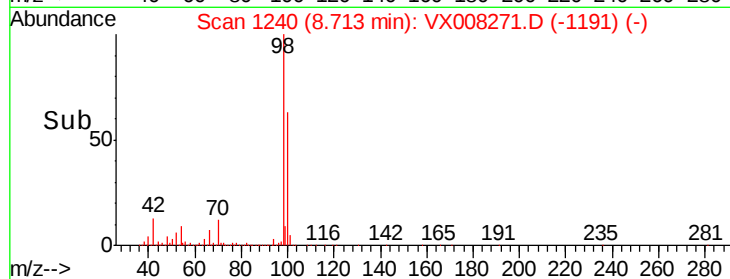
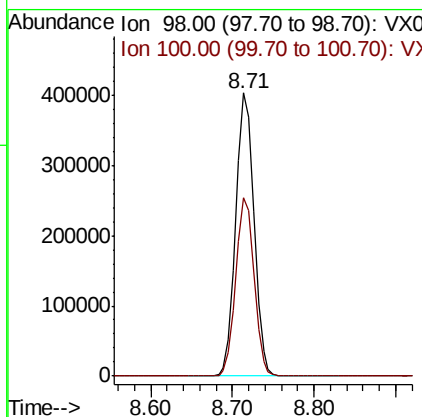
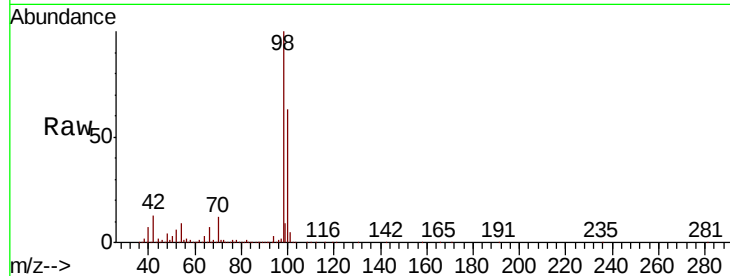




#50
Toluene-d8
Concen: 48.267 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008271.D
Acq: 21 Mar 2019 04:06

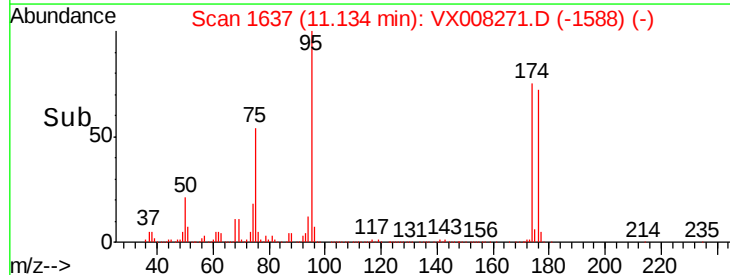
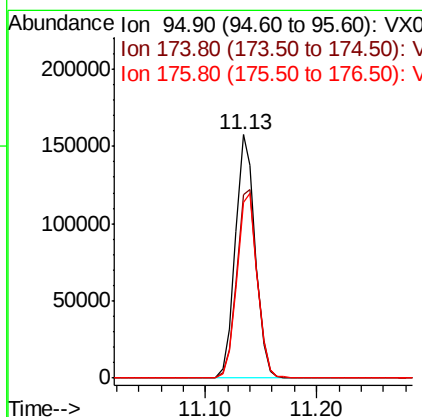
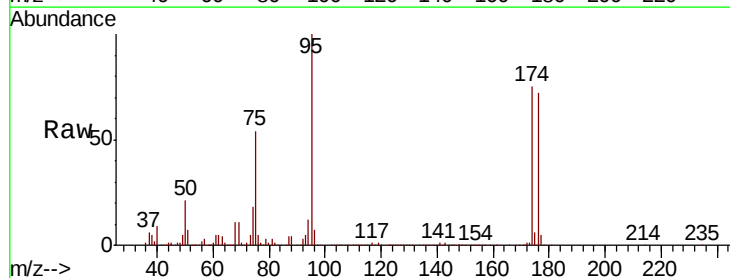
Instrument :
MSVOA_X
ClientSampleId :
M3-T1-UV(PRE)

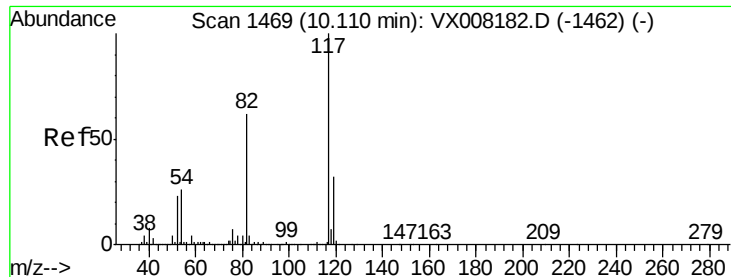
Tot Ion: 98 Resp: 617080
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 44.062 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008271.D
Acq: 21 Mar 2019 04:06

Tgt Ion: 95 Resp: 193966
Ion Ratio Lower Upper
95 100
174 80.7 0.0 182.8
176 78.1 0.0 178.0

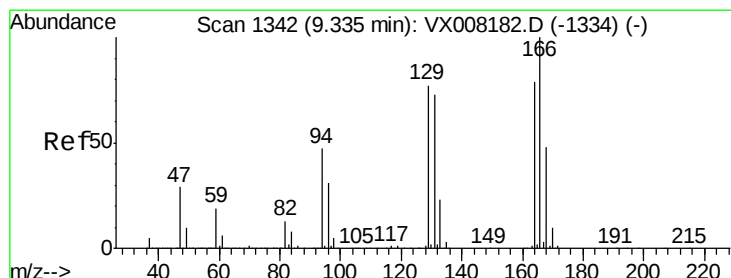
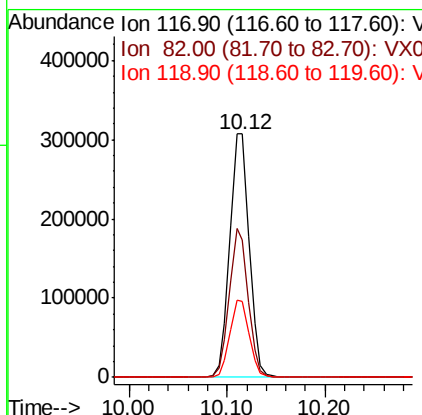
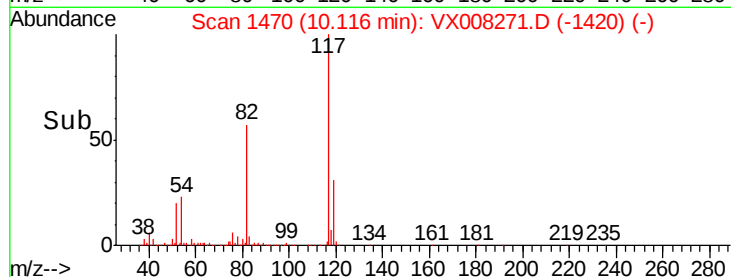
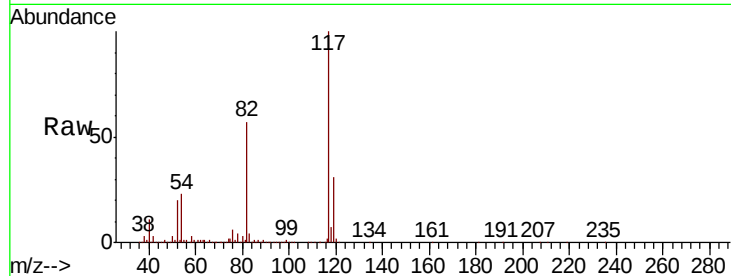




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008271.D
Acq: 21 Mar 2019 04:06

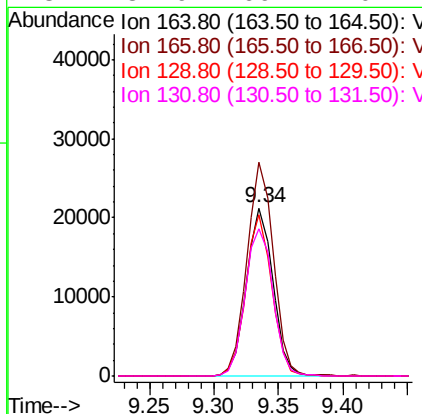
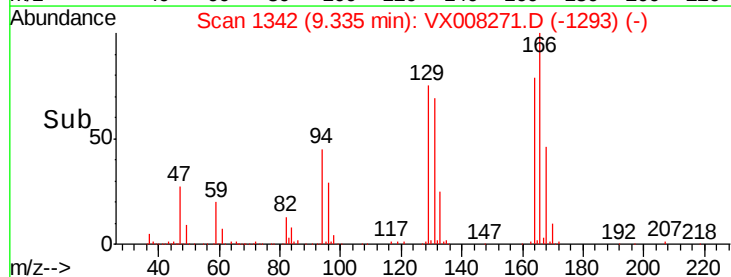
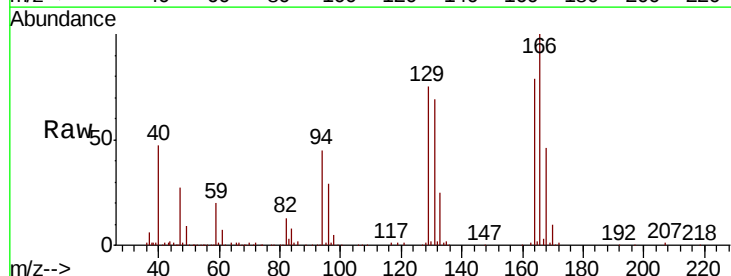
Instrument :
MSVOA_X
ClientSampleId :
M3-T1-UV(PRE)

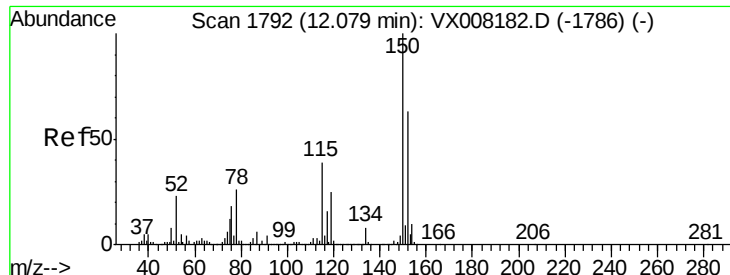
Tot Ion:117 Resp: 425985
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 31.4 25.3 37.9



#64
Tetrachloroethene
Concen: 7.796 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008271.D
Acq: 21 Mar 2019 04:06

Tgt Ion:164 Resp: 29963
Ion Ratio Lower Upper
164 100
166 127.3 103.4 155.0
129 95.9 72.2 108.4
131 87.9 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: VX008271.D

Acq: 21 Mar 2019 04:06

Instrument :

MSVOA_X

ClientSampleId :

M3-T1-UV(PRE)

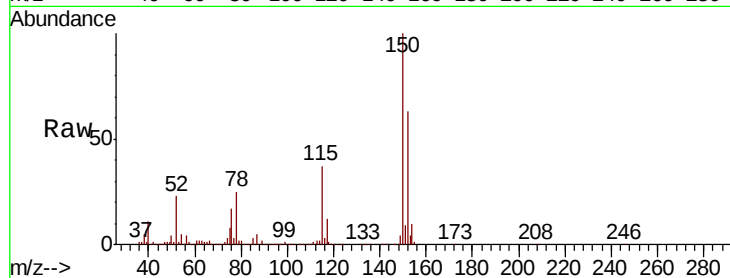
Tot Ion:152 Resp: 170459

Ion Ratio Lower Upper

152 100

115 60.3 38.6 115.7

150 158.2 0.0 348.4



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

