

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005170.D
 Acq On : 09 Oct 2018 20:16
 Operator : JC/MD
 Sample : J5284-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-120D1-20181002

Quant Time: Oct 10 13:55:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	175546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	287671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158597	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	138897	55.39	ug/l	0.00
Spiked Amount			Recovery	=	110.78%	
35) Dibromofluoromethane	5.50	113	117274	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	8.72	98	416410	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.14	95	147970	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	

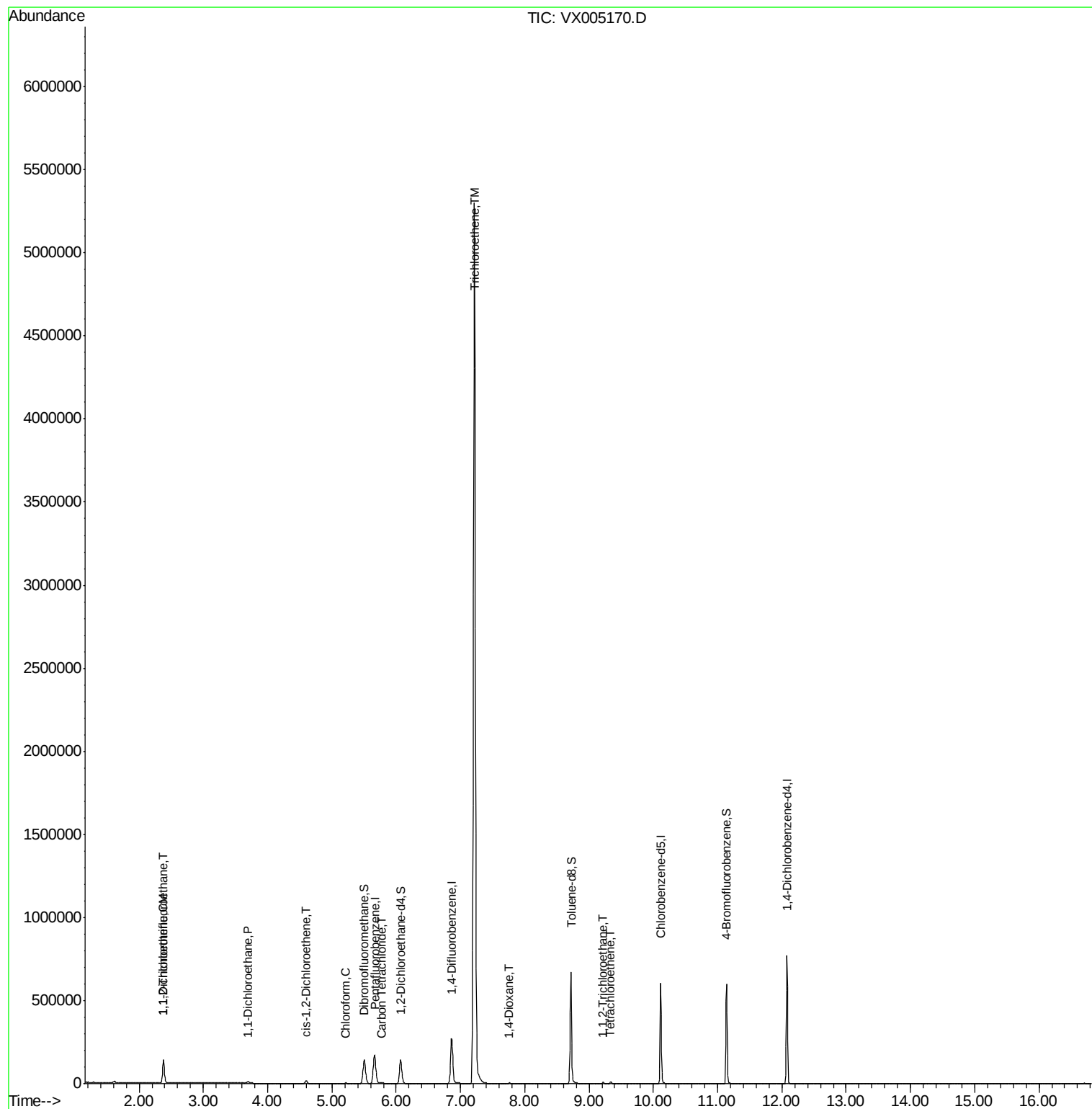
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34657	18.044	ug/l	98
12) 1,1-Dichloroethene	2.37	96	22999	12.091	ug/l	96
24) 1,1-Dichloroethane	3.70	63	9401	2.255	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	8713	3.746	ug/l	95
30) Chloroform	5.21	83	2812	0.714	ug/l	87
38) Carbon Tetrachloride	5.77	117	1854	0.530	ug/l	94
44) Trichloroethene	7.22	130	2128981	831.610	ug/l	99
49) 1,4-Dioxane	7.76	88	2264	31.504	ug/l #	93
55) 1,1,2-Trichloroethane	9.22	97	2520	1.005	ug/l	93
64) Tetrachloroethene	9.34	164	2578	0.930	ug/l #	77

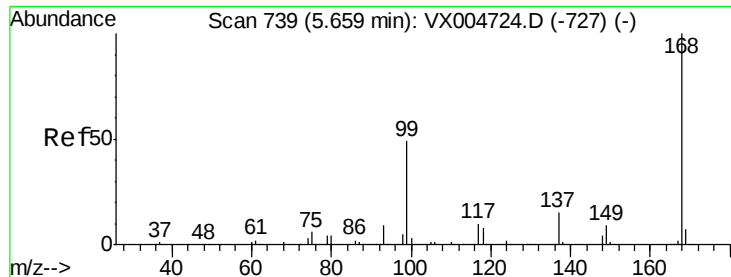
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100918\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005170.D

Acq: 09 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

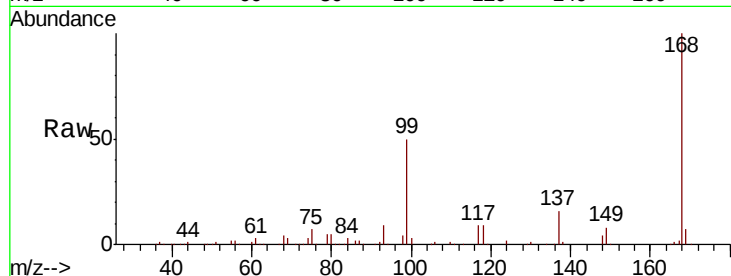
RE-120D1-20181002

Tot Ion:168 Resp: 175546

Ion Ratio Lower Upper

168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

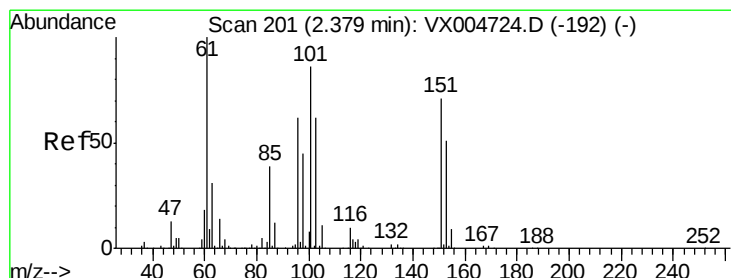
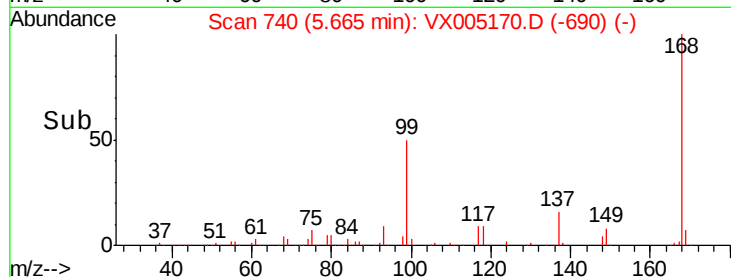
40000

20000

0

Time-->

5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.044 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005170.D

Acq: 09 Oct 2018 20:16

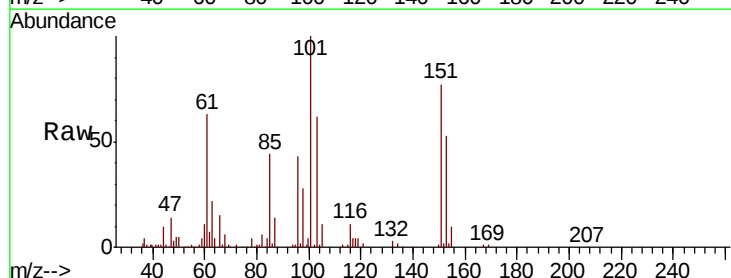
Tgt Ion:101 Resp: 34657

Ion Ratio Lower Upper

101 100

85 43.4 35.9 53.9

151 81.9 66.6 100.0



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

25000

20000

15000

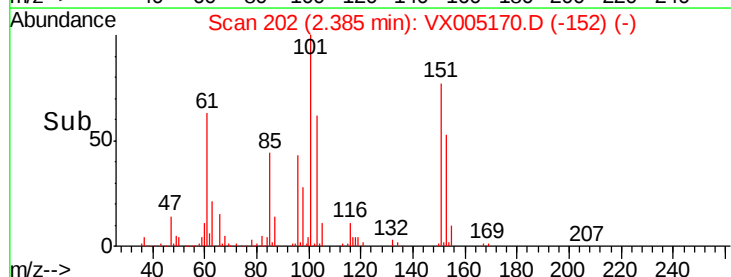
10000

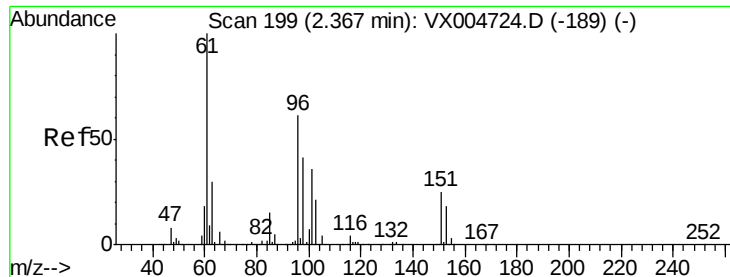
5000

0

Time-->

2.30 2.40 2.50





#12

1,1-Dichloroethene

Concen: 12.091 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX005170.D

Acq: 09 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

RE-120D1-20181002

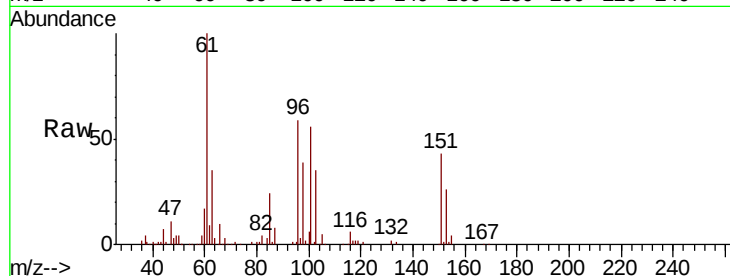
Tot Ion: 96 Resp: 22999

Ion Ratio Lower Upper

96 100

61 169.0 130.2 195.4

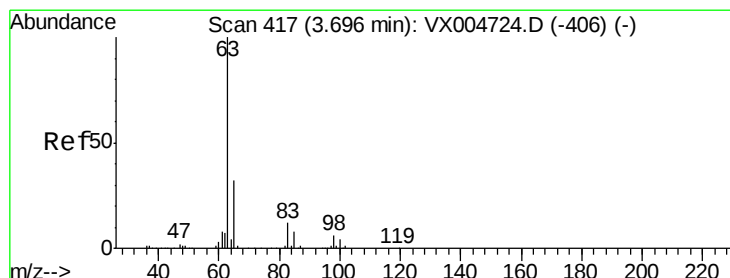
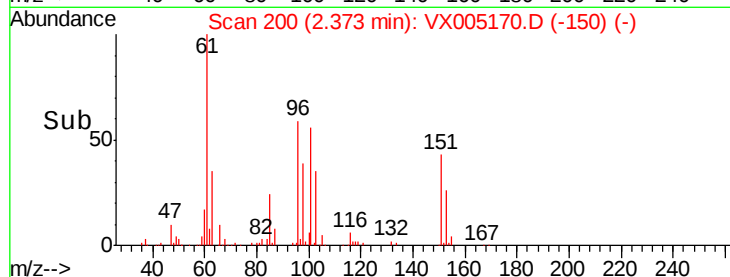
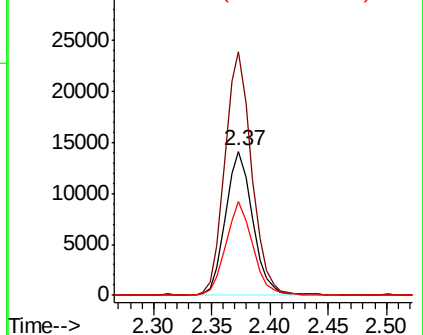
98 65.4 53.4 80.0



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



#24

1,1-Dichloroethane

Concen: 2.255 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005170.D

Acq: 09 Oct 2018 20:16

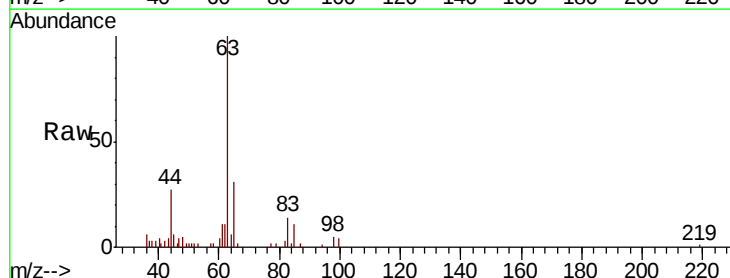
Tgt Ion: 63 Resp: 9401

Ion Ratio Lower Upper

63 100

98 5.0 3.0 9.2

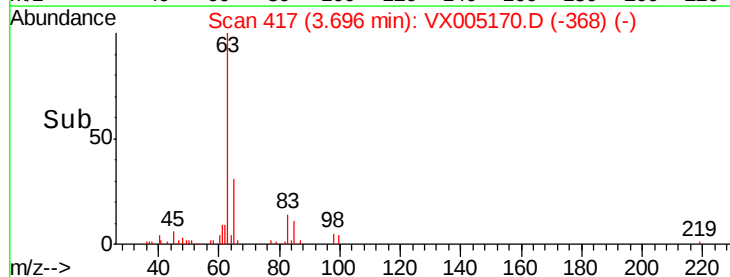
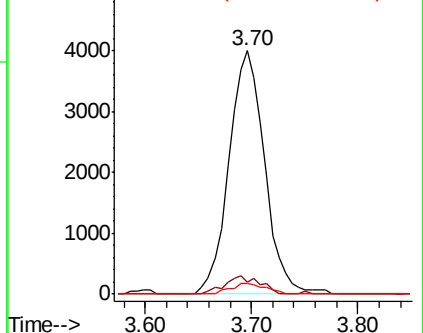
100 4.5 2.0 5.8

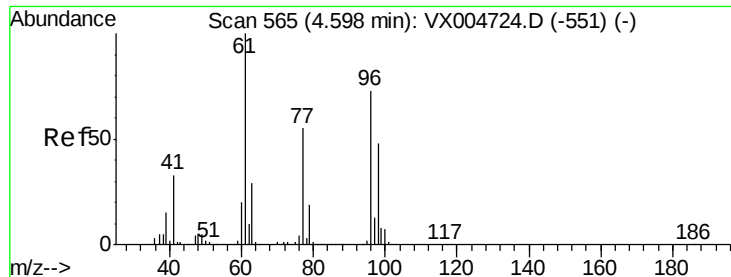


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



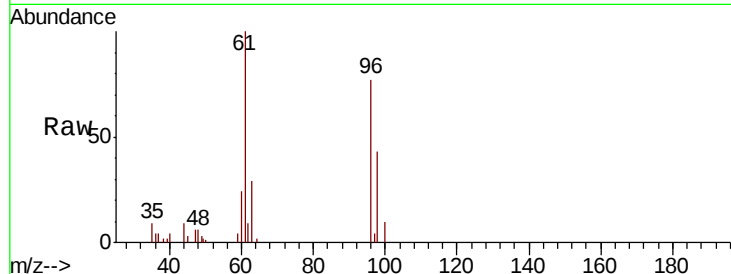


#27

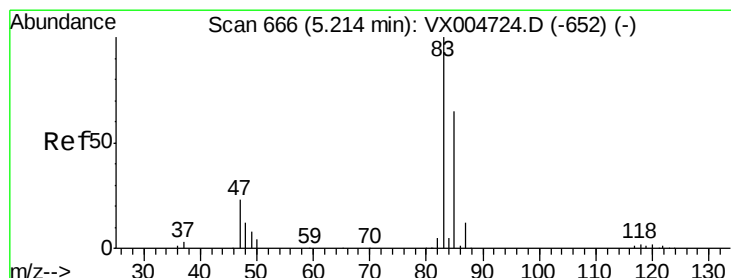
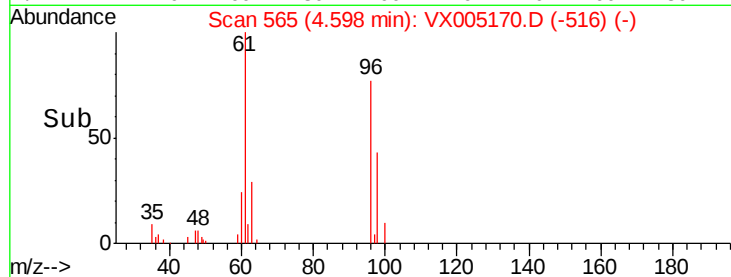
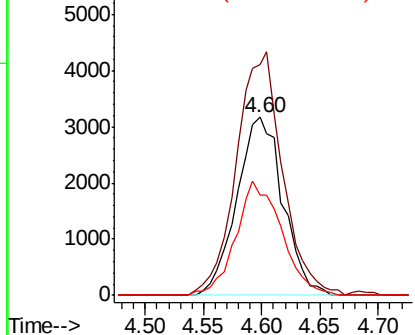
cis-1,2-Dichloroethene
 Concen: 3.746 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX005170.D
 Acq: 09 Oct 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-120D1-20181002

Tot Ion: 96 Resp: 8713
 Ion Ratio Lower Upper
 96 100
 61 136.7 0.0 285.8
 98 63.4 0.0 136.2



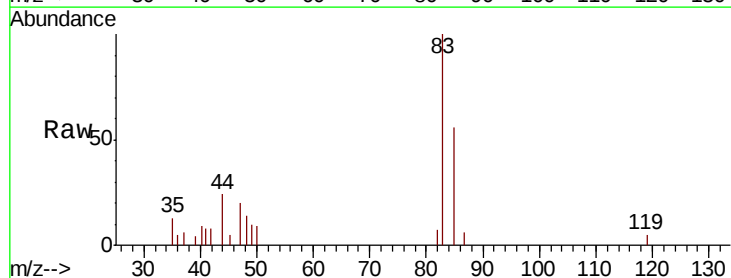
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



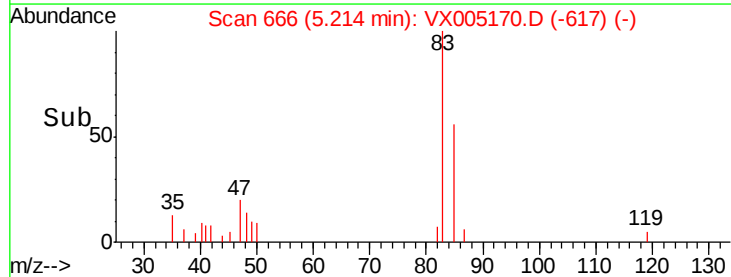
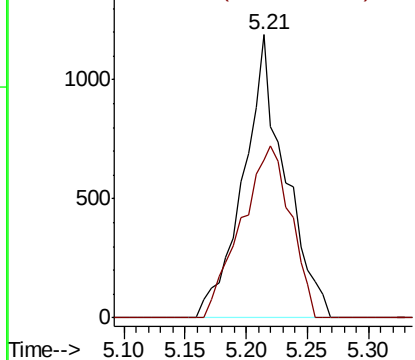
#30

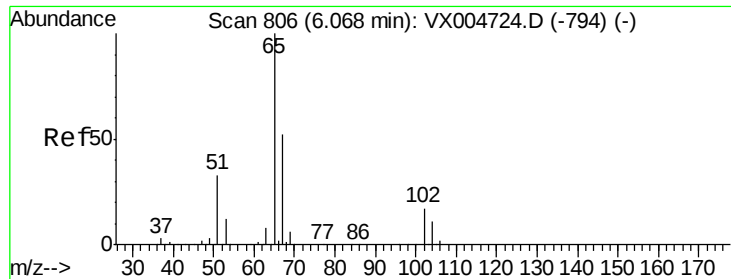
Chloroform
 Concen: 0.714 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VX005170.D
 Acq: 09 Oct 2018 20:16

Tgt Ion: 83 Resp: 2812
 Ion Ratio Lower Upper
 83 100
 85 55.6 52.4 78.6



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

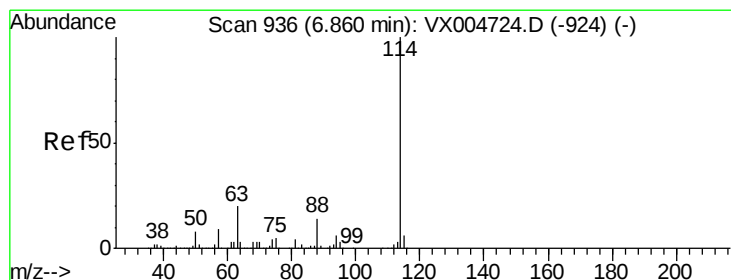
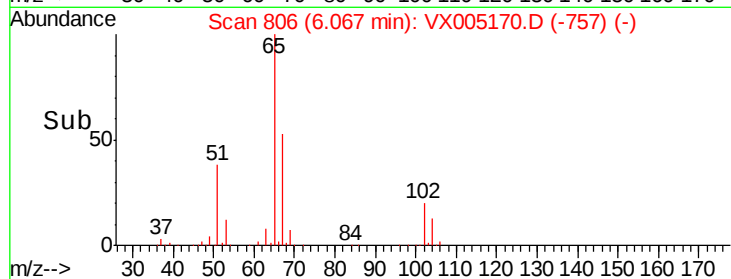
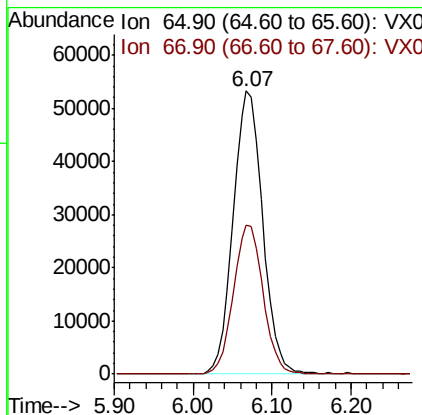
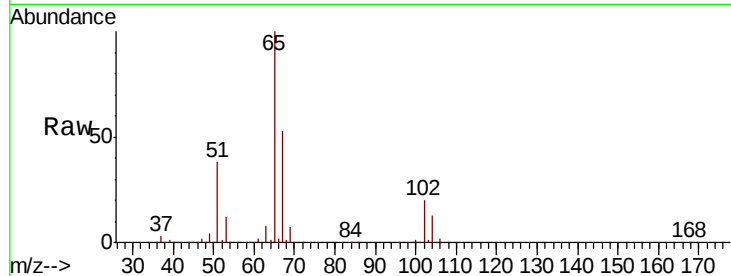




#33
 1,2-Dichloroethane-d4
 Concen: 55.389 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005170.D
 Acq: 09 Oct 2018 20:16

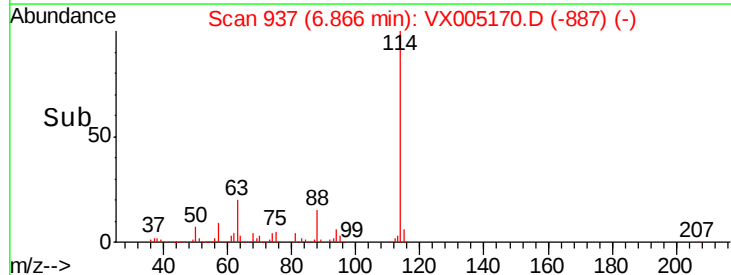
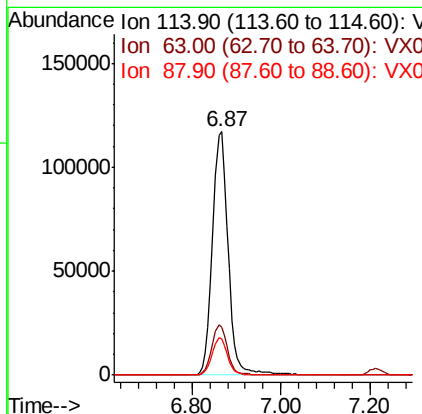
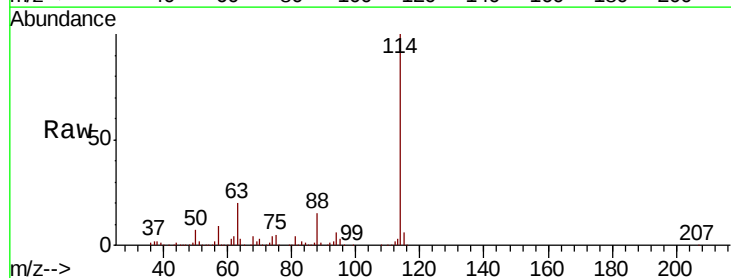
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-120D1-20181002

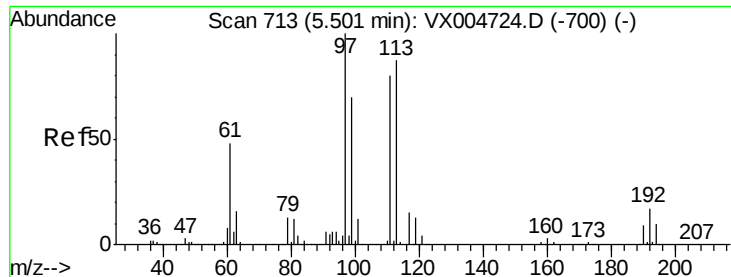
Tot Ion: 65 Resp: 138897
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005170.D
 Acq: 09 Oct 2018 20:16

Tgt Ion: 114 Resp: 287671
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 14.8 0.0 27.0





#35

Dibromofluoromethane

Concen: 48.102 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005170.D

Acq: 09 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

RE-120D1-20181002

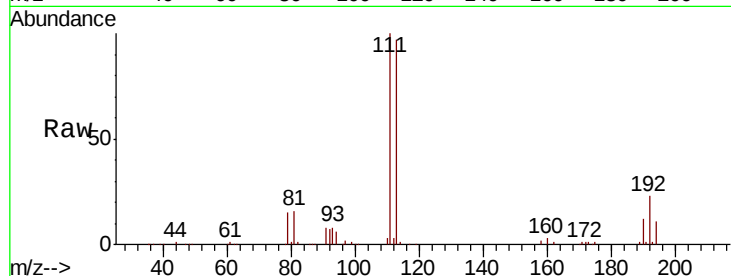
Tot Ion:113 Resp: 117274

Ion Ratio Lower Upper

113 100

111 102.3 77.0 115.4

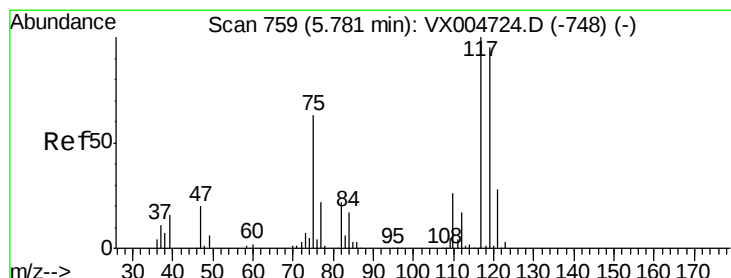
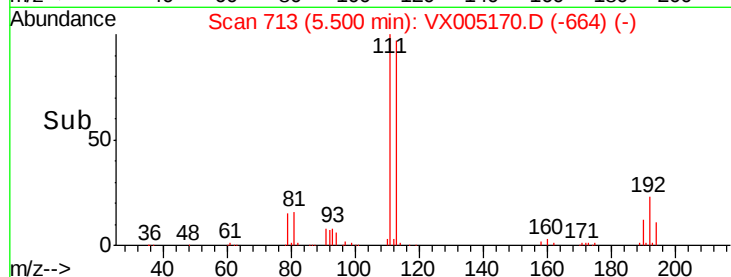
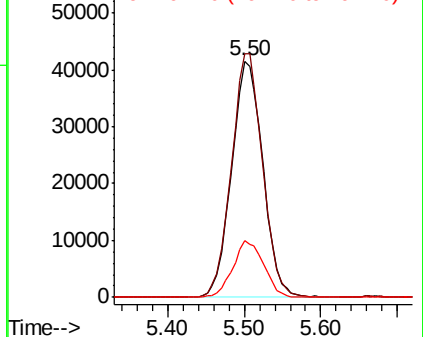
192 23.8 17.0 25.6



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: 0.530 ug/l

RT: 5.77 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX005170.D

Acq: 09 Oct 2018 20:16

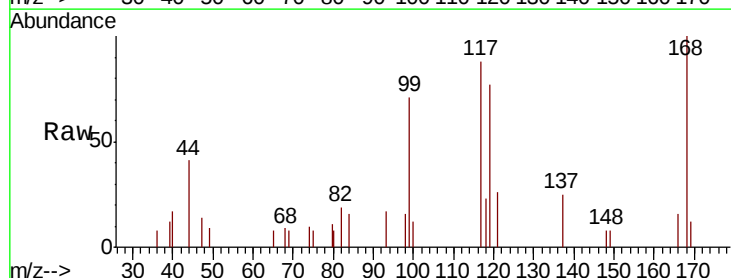
Tgt Ion:117 Resp: 1854

Ion Ratio Lower Upper

117 100

119 87.6 75.2 112.8

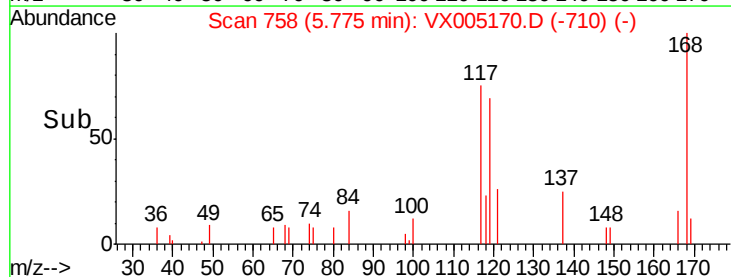
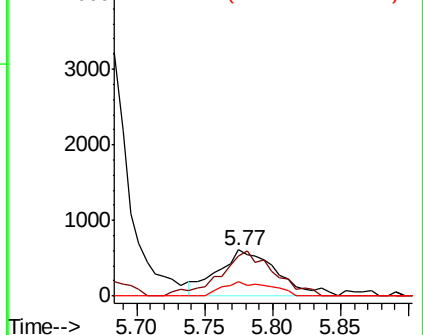
121 30.0 22.5 33.7

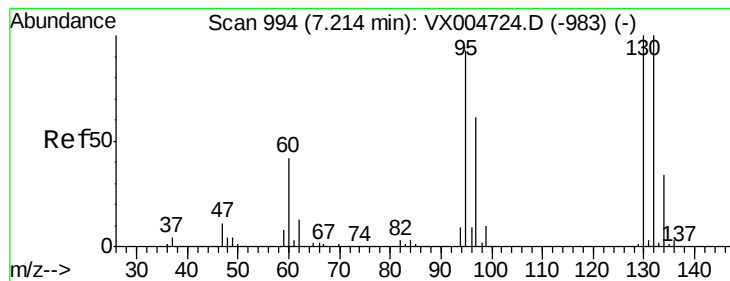


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 831.610 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005170.D

Acq: 09 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

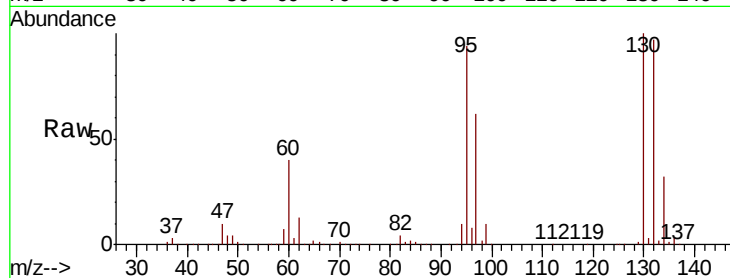
RE-120D1-20181002

Tot Ion:130 Resp: 2128981

Ion Ratio Lower Upper

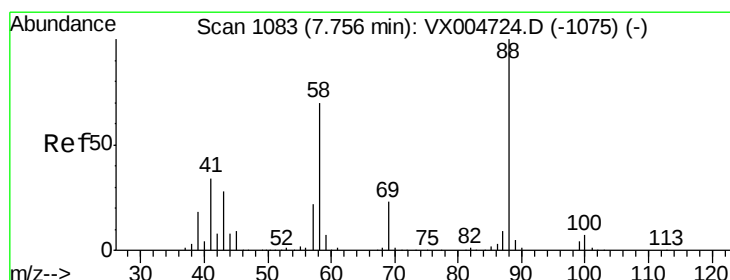
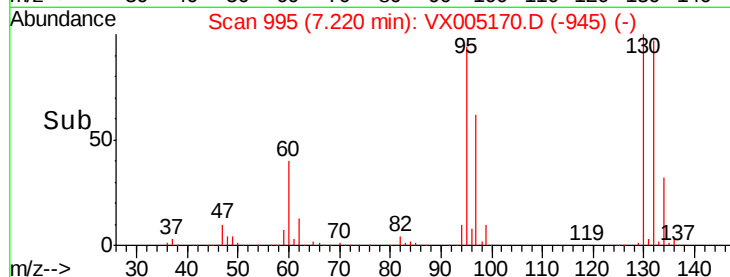
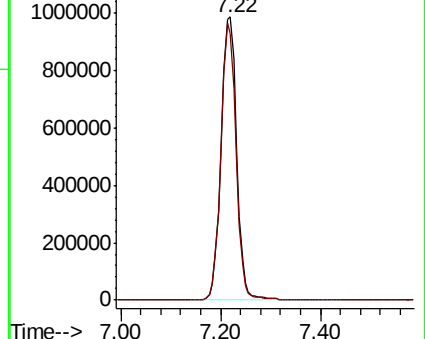
130 100

95 94.3 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 31.504 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX005170.D

Acq: 09 Oct 2018 20:16

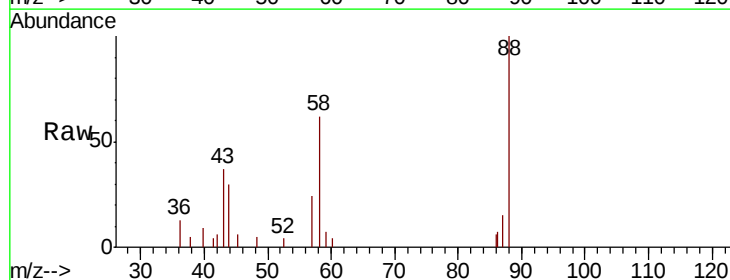
Tgt Ion: 88 Resp: 2264

Ion Ratio Lower Upper

88 100

43 38.7 25.1 37.7#

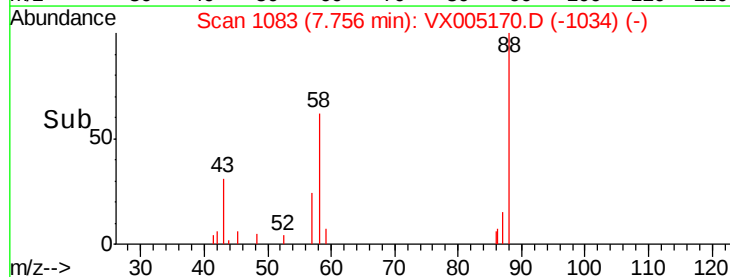
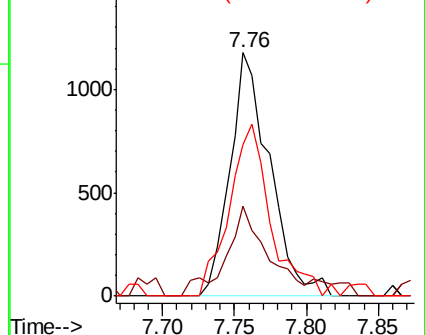
58 74.2 56.2 84.2

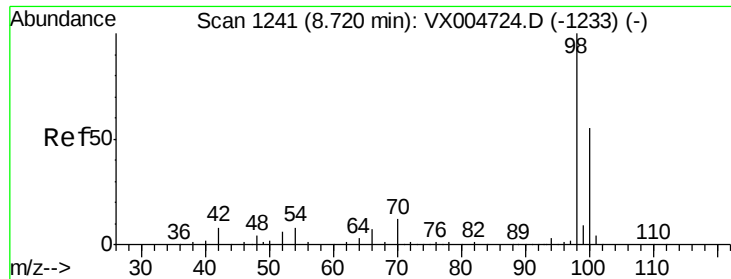


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.375 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005170.D

Acq: 09 Oct 2018 20:16

Instrument :

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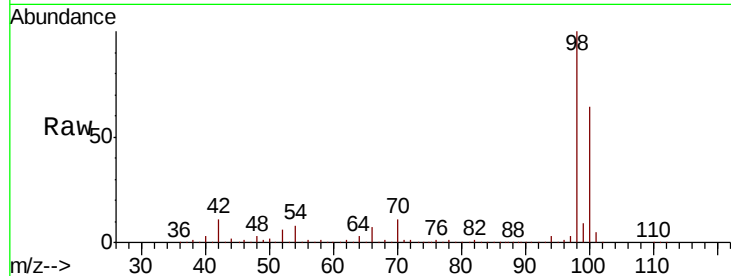
RE-120D1-20181002

Tot Ion: 98 Resp: 416410

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

250000

200000

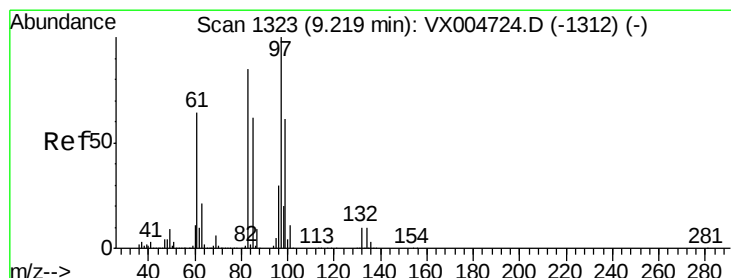
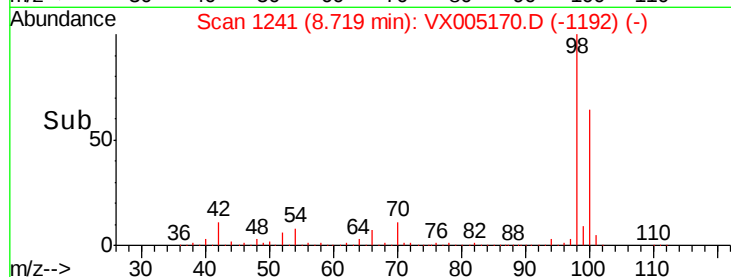
150000

100000

50000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 1.005 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX005170.D

Acq: 09 Oct 2018 20:16

Tgt Ion: 97 Resp: 2520

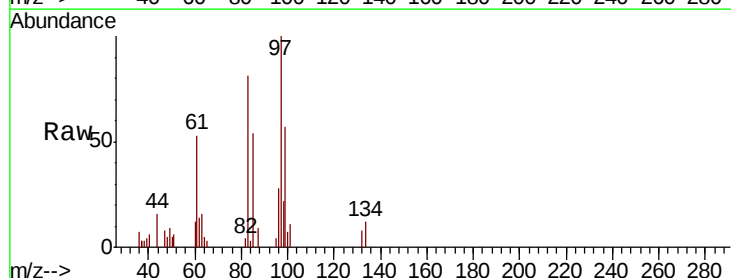
Ion Ratio Lower Upper

97 100

83 81.0 68.2 102.2

85 53.7 49.9 74.9

99 57.2 48.9 73.3



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

2500

2000

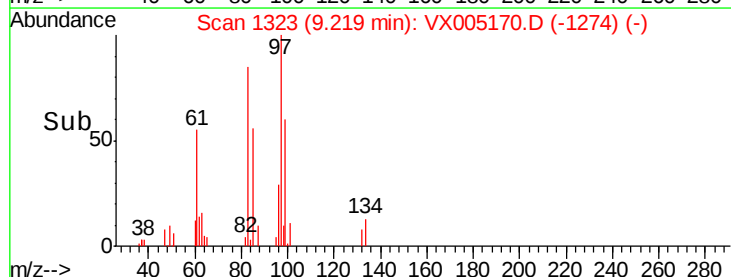
1500

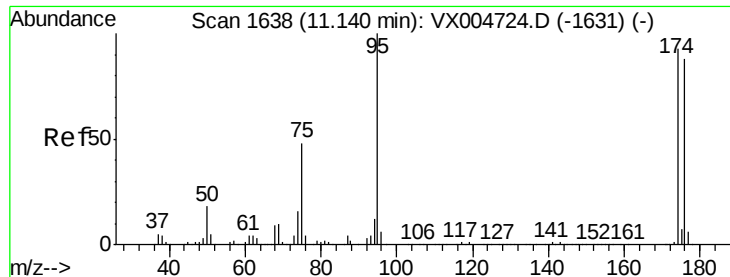
1000

500

0

Time-->

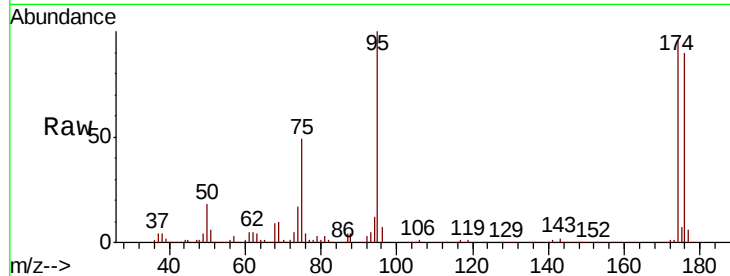




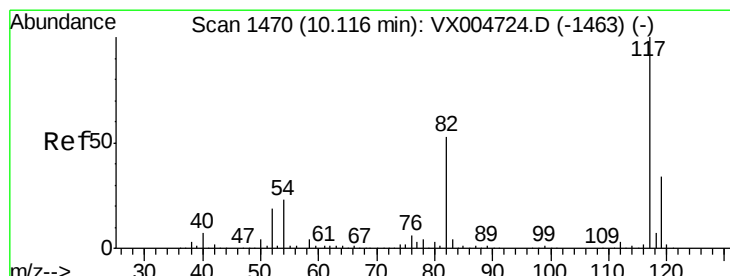
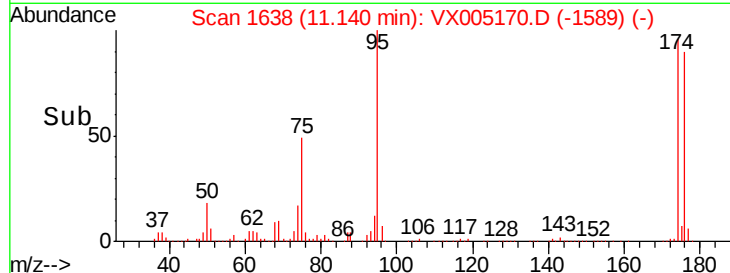
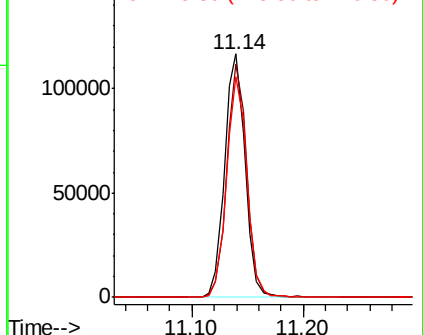
#62
4-Bromofluorobenzene
Concen: 50.675 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005170.D
Acq: 09 Oct 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
RE-120D1-20181002

Tot Ion: 95 Resp: 147970
Ion Ratio Lower Upper
95 100
174 93.8 0.0 185.0
176 90.3 0.0 180.2

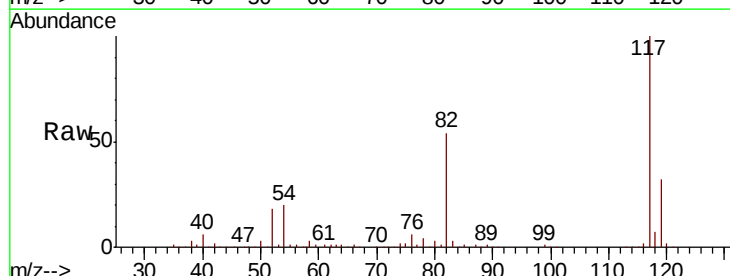


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

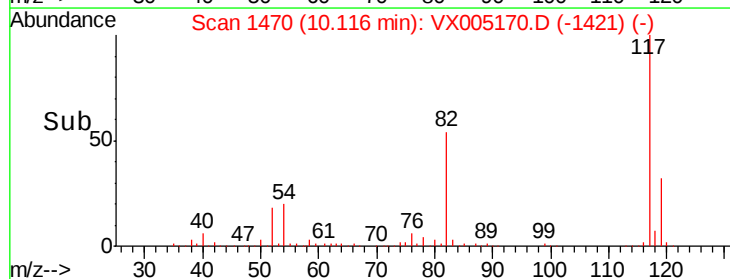
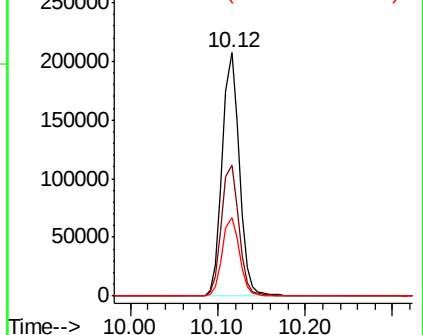


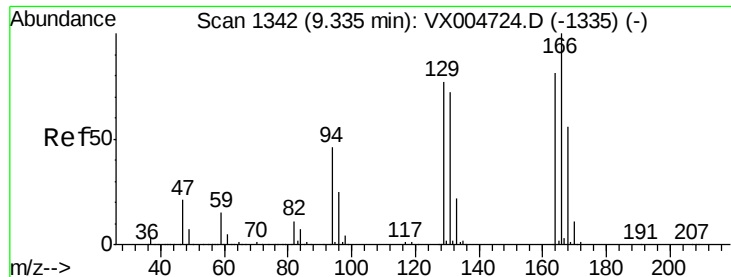
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005170.D
Acq: 09 Oct 2018 20:16

Tgt Ion: 117 Resp: 281520
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 32.3 27.4 41.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

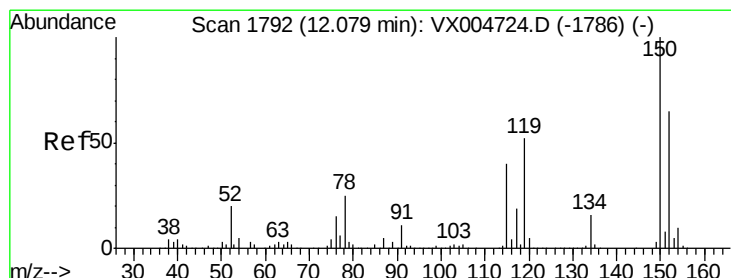
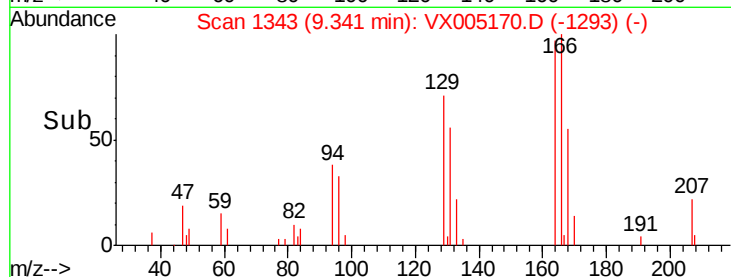
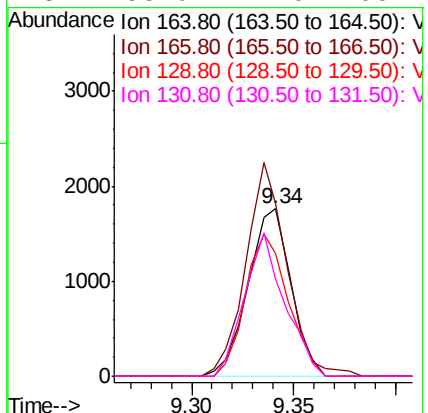
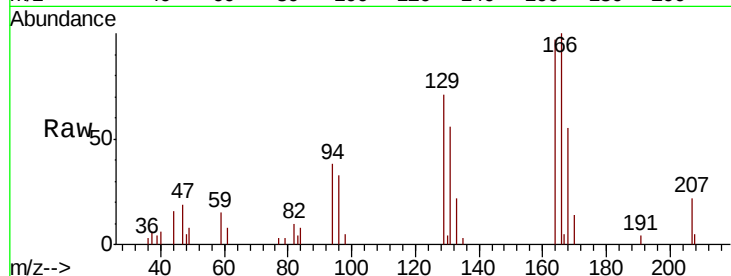




#64
Tetrachloroethene
Concen: 0.930 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX005170.D
Acq: 09 Oct 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
RE-120D1-20181002

Tot Ion:164 Resp: 2578
Ion Ratio Lower Upper
164 100
166 103.4 98.4 147.6
129 73.2 76.1 114.1#
131 58.0 71.0 106.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005170.D
Acq: 09 Oct 2018 20:16

Tgt Ion:152 Resp: 158597
Ion Ratio Lower Upper
152 100
115 54.9 40.2 120.6
150 156.0 0.0 351.0

