

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101118\
 Data File : VX005272.D
 Acq On : 11 Oct 2018 23:34
 Operator : JC/MD
 Sample : J5393-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE137-700FT-20181009

Quant Time: Oct 12 13:20:09 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	192707	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	261684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	259660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144588	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	142379	51.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.44%	
35) Dibromofluoromethane	5.51	113	119276	53.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.56%	
50) Toluene-d8	8.72	98	379847	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	11.14	95	132048	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	

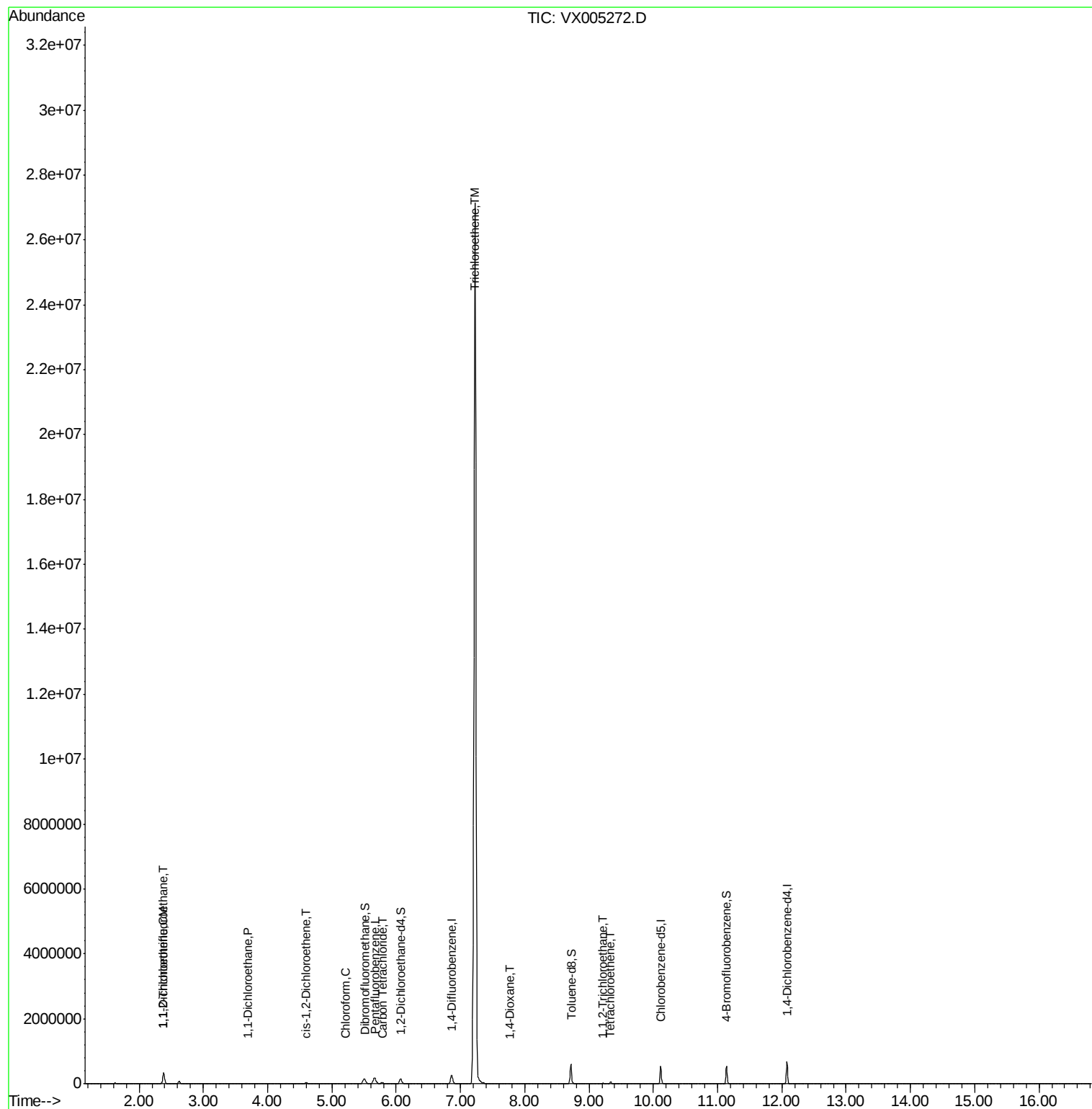
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	109012	51.70	ug/l	95
12) 1,1-Dichloroethene	2.37	96	28206	13.51	ug/l	92
24) 1,1-Dichloroethane	3.70	63	12234	2.67	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	17647	6.91	ug/l	97
30) Chloroform	5.21	83	12495	2.89	ug/l	98
38) Carbon Tetrachloride	5.79	117	18931	5.95	ug/l	90
44) Trichloroethene	7.23	130	10922728	4690.27	ug/l	96
49) 1,4-Dioxane	7.76	88	1452	22.21	ug/l #	76
55) 1,1,2-Trichloroethane	9.22	97	5331	2.34	ug/l	95
64) Tetrachloroethene	9.34	164	10896	4.26	ug/l	95

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

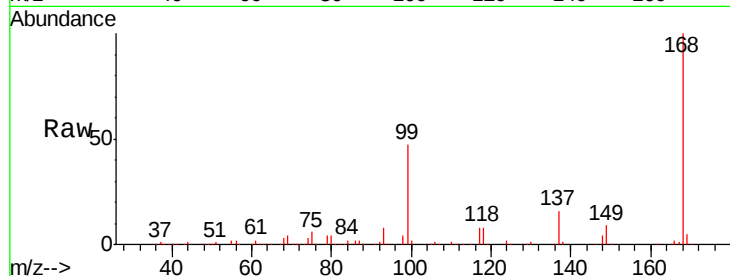
RE137-700FT-20181009

Tgt Ion:168 Resp: 192707

Ion Ratio Lower Upper

168 100

99 47.1 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

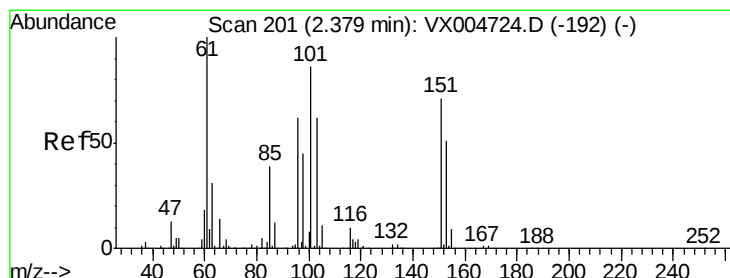
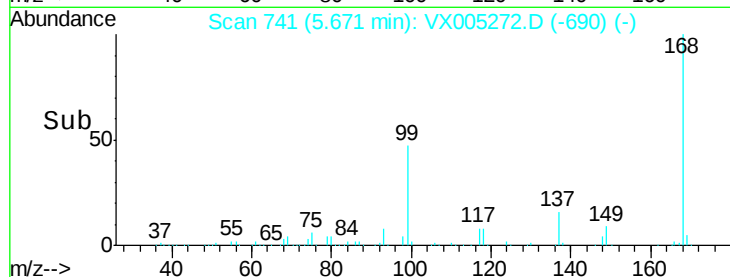
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.70 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

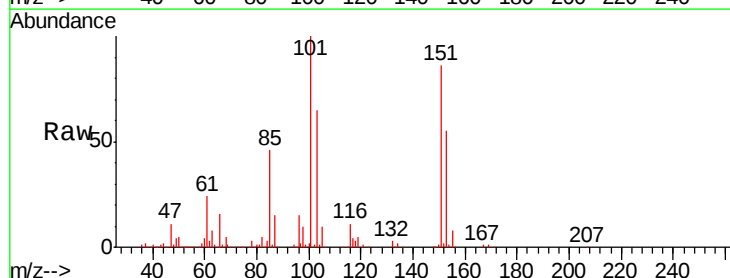
Tgt Ion:101 Resp: 109012

Ion Ratio Lower Upper

101 100

85 45.6 35.9 53.9

151 89.0 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

2.39

80000

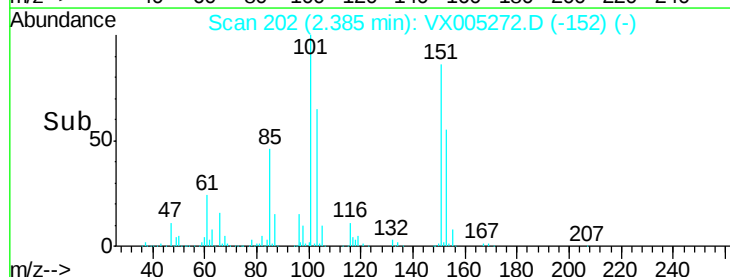
60000

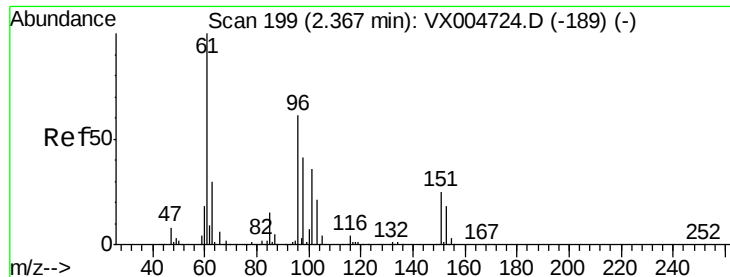
40000

20000

0

Time--> 2.30 2.40 2.50





#12

1,1-Dichloroethene

Concen: 13.51 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

RE137-700FT-20181009

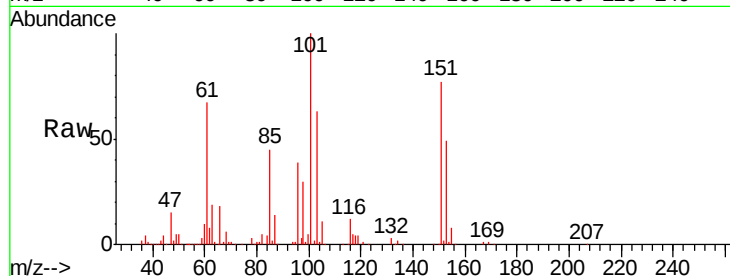
Tgt Ion: 96 Resp: 28206

Ion Ratio Lower Upper

96 100

61 171.6 130.2 195.4

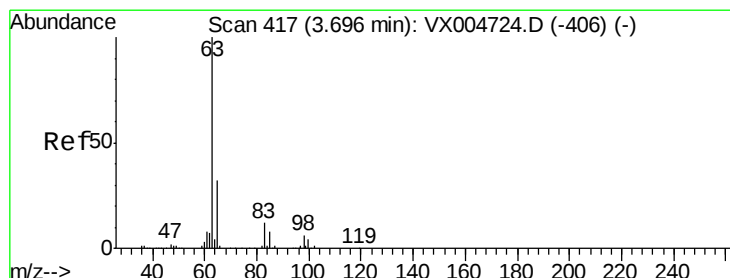
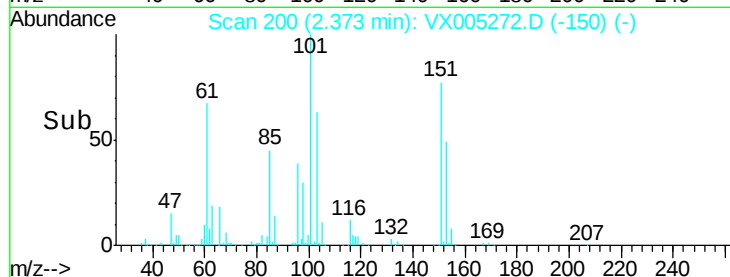
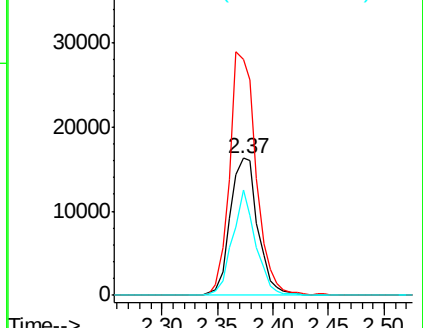
98 76.9 53.4 80.0



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: 2.67 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

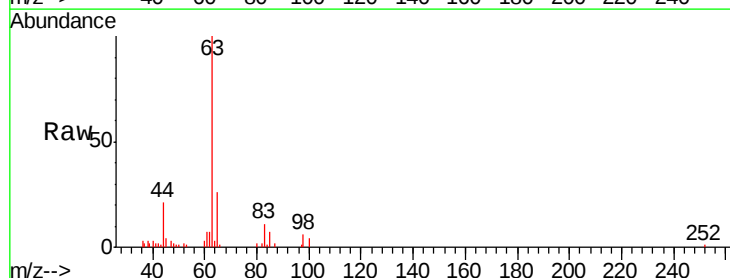
Tgt Ion: 63 Resp: 12234

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

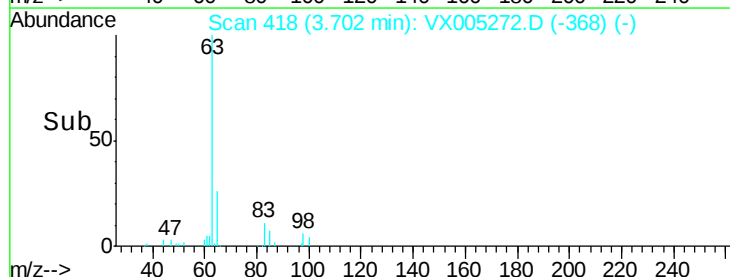
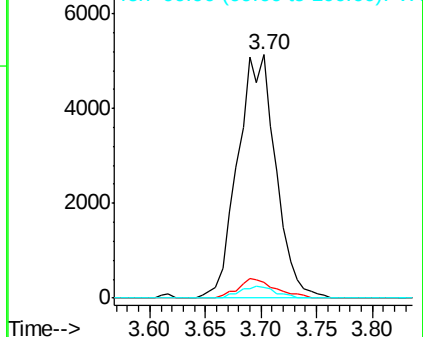
100 4.3 2.0 5.8

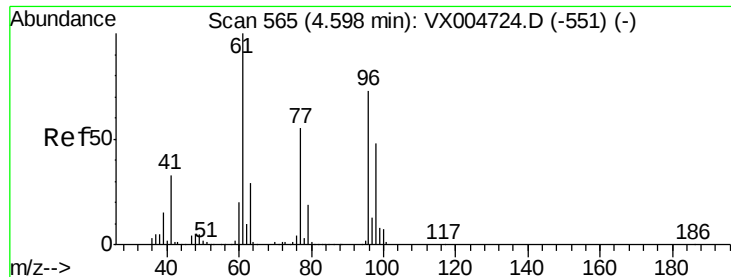


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 6.91 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

RE137-700FT-20181009

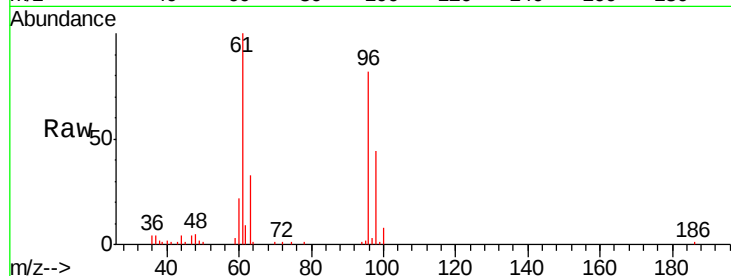
Tgt Ion: 96 Resp: 17647

Ion Ratio Lower Upper

96 100

61 143.8 0.0 285.8

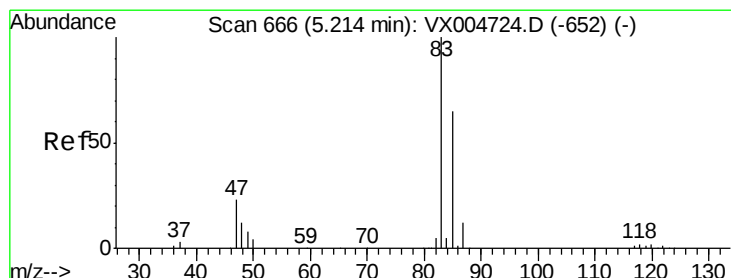
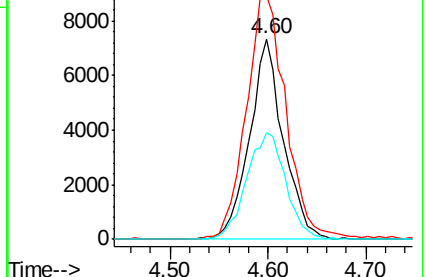
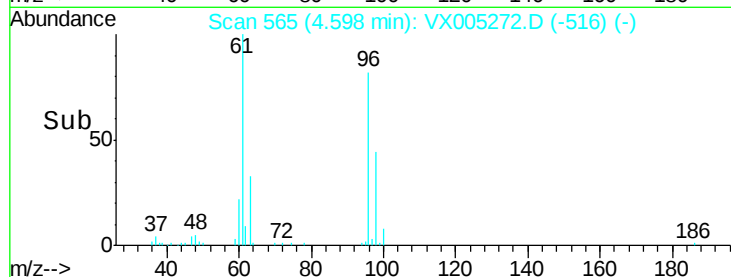
98 61.5 0.0 136.2



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: 2.89 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX005272.D

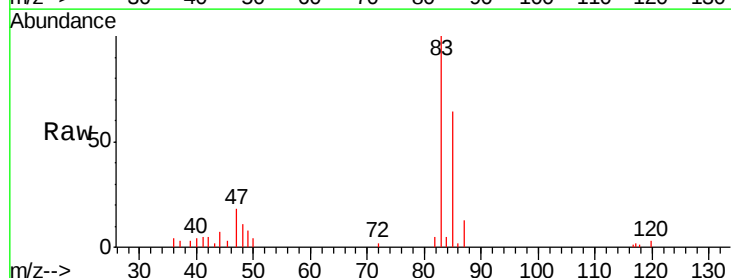
Acq: 11 Oct 2018 23:34

Tgt Ion: 83 Resp: 12495

Ion Ratio Lower Upper

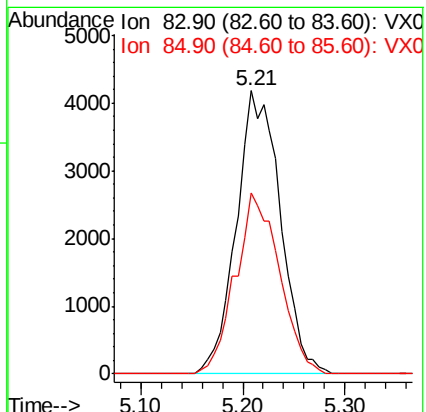
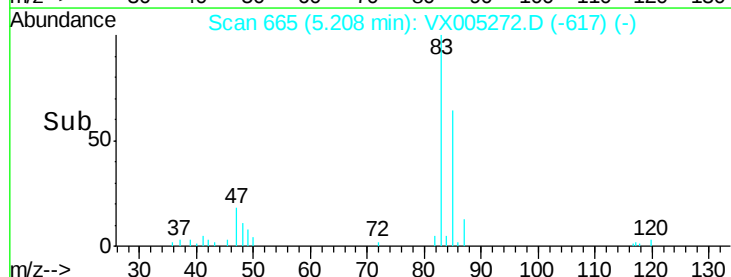
83 100

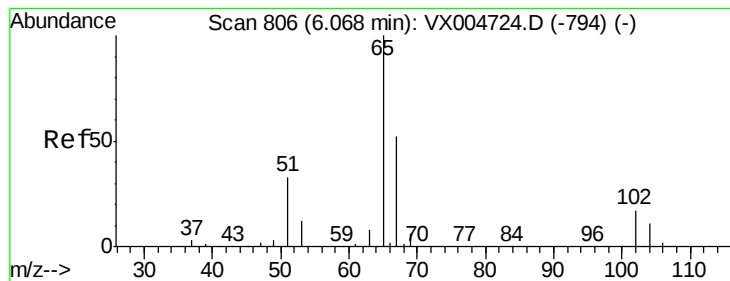
85 63.9 52.4 78.6



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: 51.72 ug/l

RT: 6.08 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

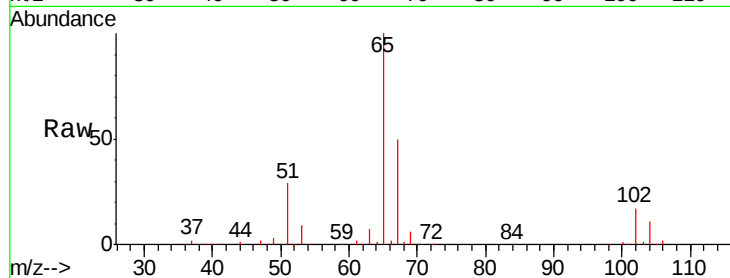
RE137-700FT-20181009

Tgt Ion: 65 Resp: 142379

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.08

50000

40000

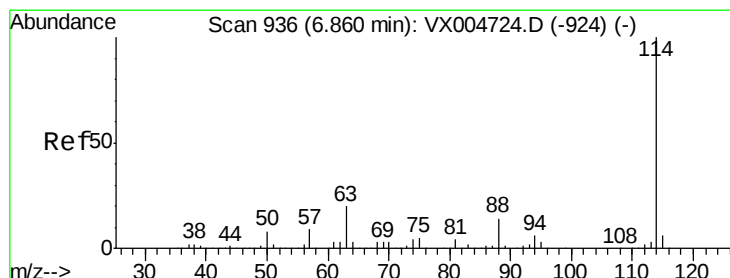
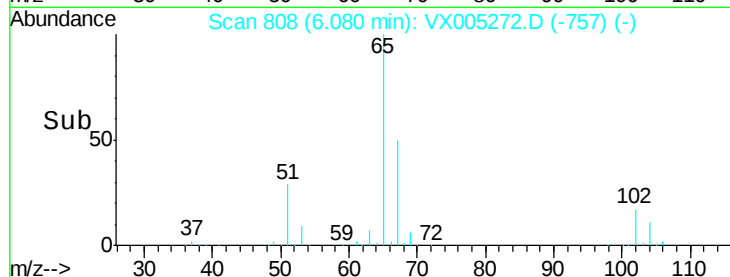
30000

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: VX005272.D

Acq: 11 Oct 2018 23:34

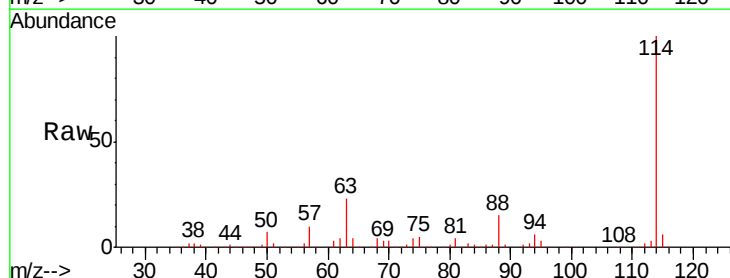
Tgt Ion: 114 Resp: 261684

Ion Ratio Lower Upper

114 100

63 23.5 0.0 39.8

88 14.6 0.0 27.0



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

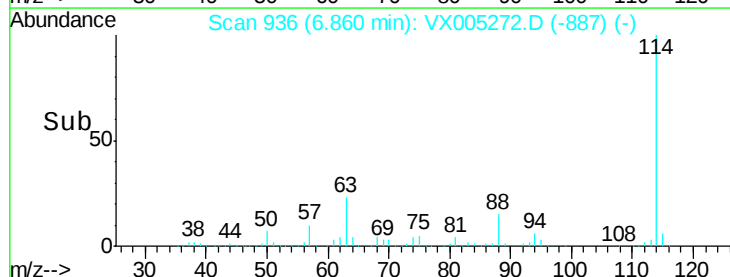
150000

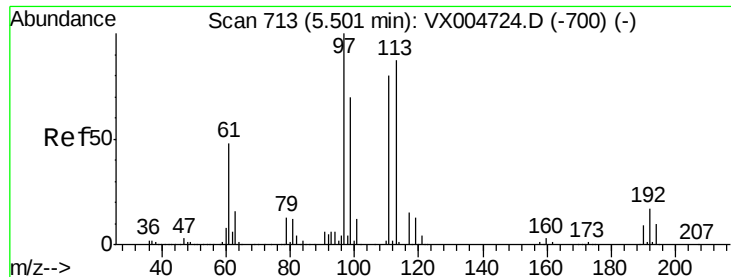
100000

50000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 53.78 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

RE137-700FT-20181009

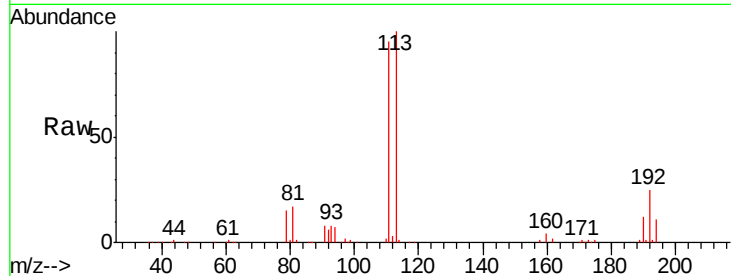
Tgt Ion:113 Resp: 119276

Ion Ratio Lower Upper

113 100

111 104.2 77.0 115.4

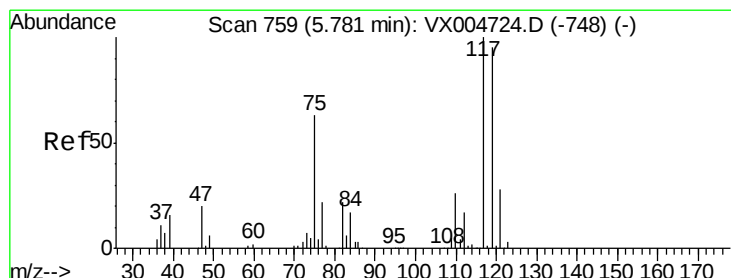
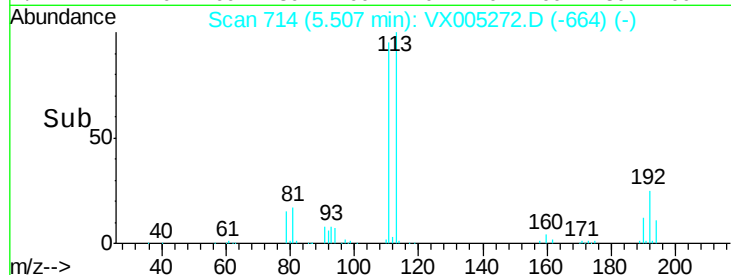
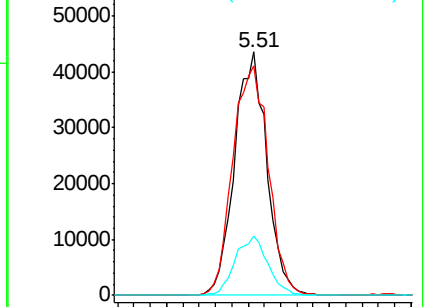
192 24.7 17.0 25.6



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: 5.95 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

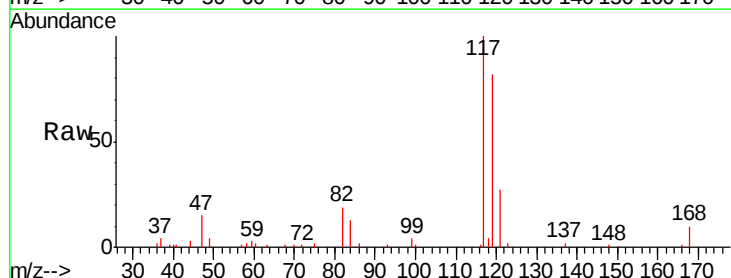
Tgt Ion:117 Resp: 18931

Ion Ratio Lower Upper

117 100

119 81.9 75.2 112.8

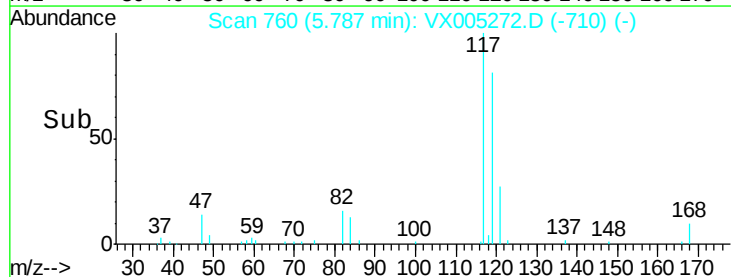
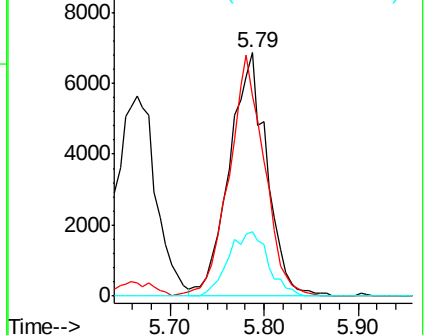
121 26.5 22.5 33.7

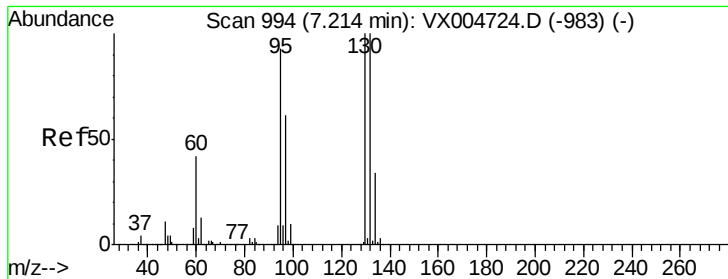


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 4690.27 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

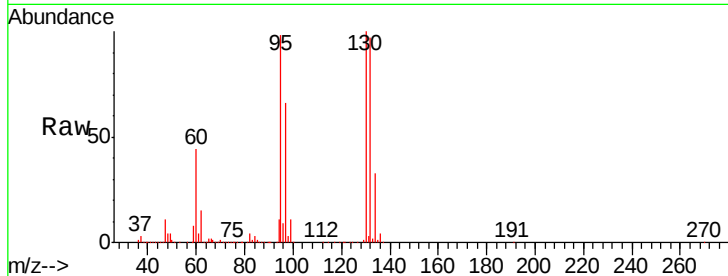
RE137-700FT-20181009

Tgt Ion:130 Resp:10922728

Ion Ratio Lower Upper

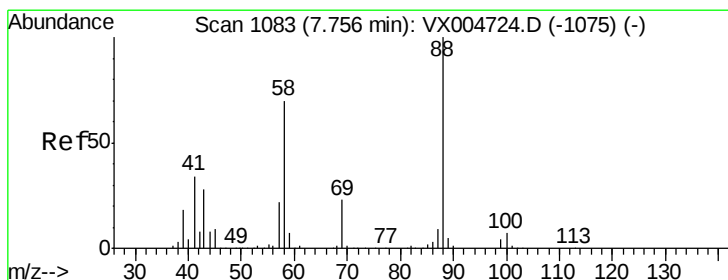
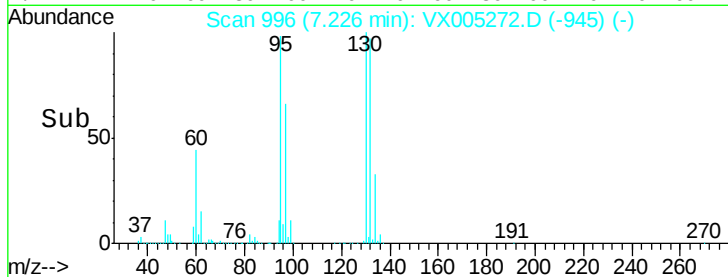
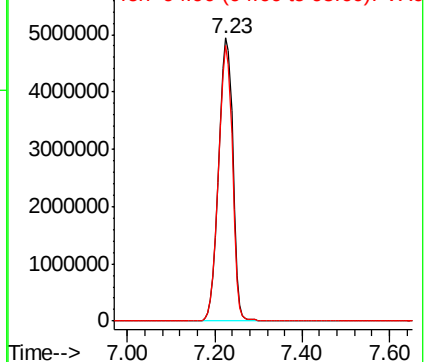
130 100

95 97.6 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: 22.21 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

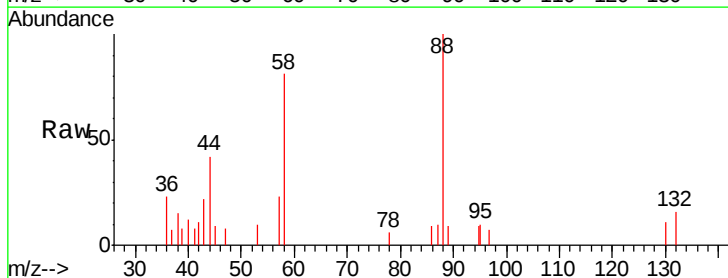
Tgt Ion: 88 Resp: 1452

Ion Ratio Lower Upper

88 100

43 41.3 25.1 37.7#

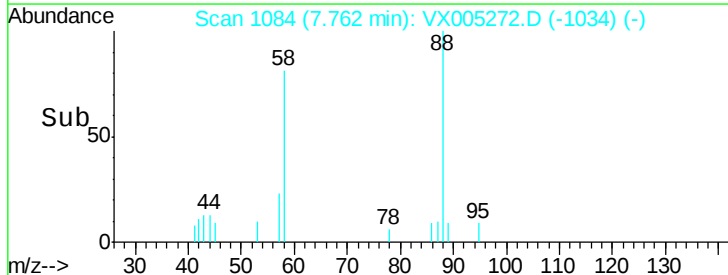
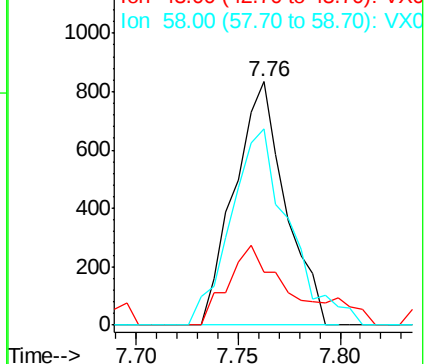
58 92.0 56.2 84.2#

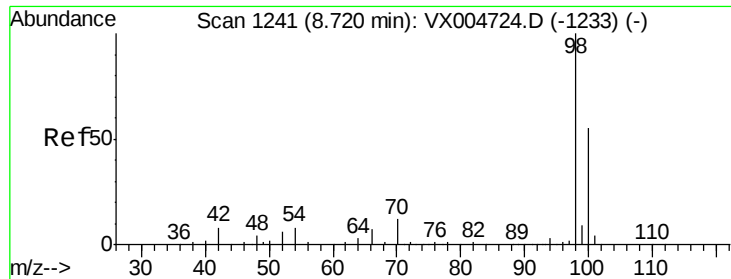


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.52 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

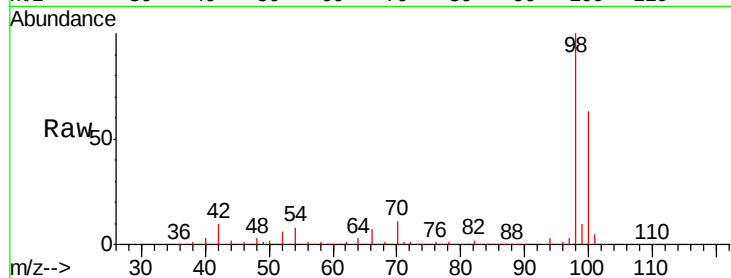
RE137-700FT-20181009

Tgt Ion: 98 Resp: 379847

Ion Ratio Lower Upper

98 100

100 63.3 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

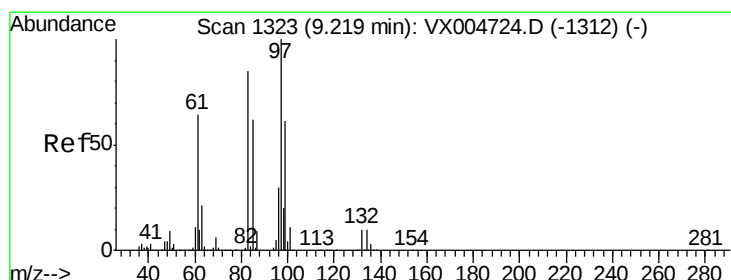
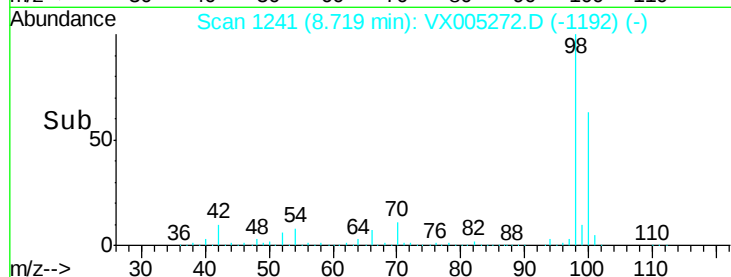
150000

100000

50000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 2.34 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

Tgt Ion: 97 Resp: 5331

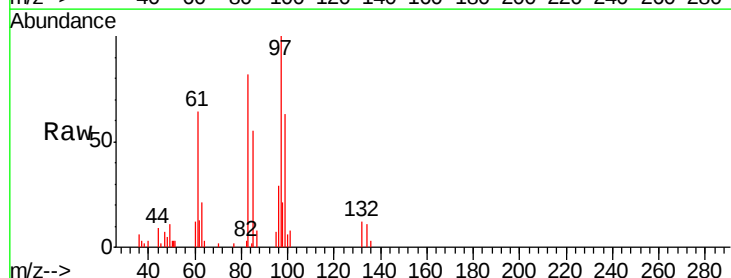
Ion Ratio Lower Upper

97 100

83 82.4 68.2 102.2

85 55.3 49.9 74.9

99 63.4 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

5000

4000

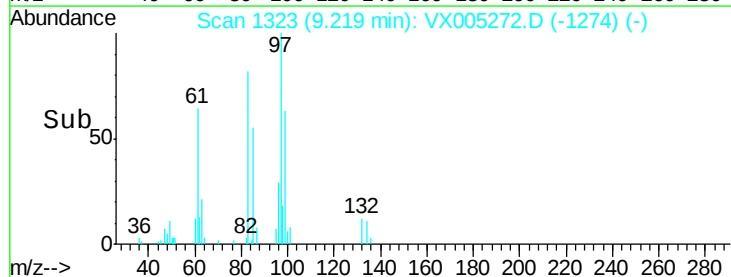
3000

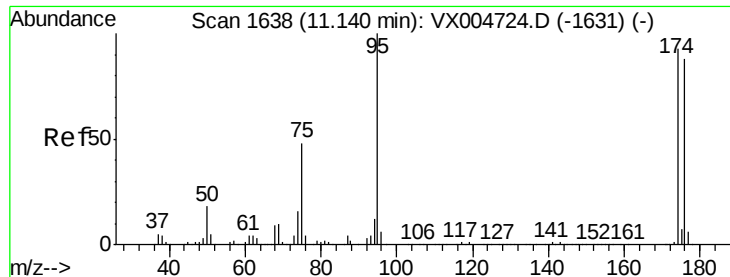
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.71 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

RE137-700FT-20181009

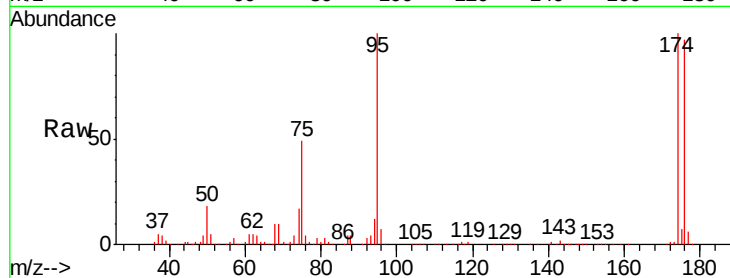
Tgt Ion: 95 Resp: 132048

Ion Ratio Lower Upper

95 100

174 97.0 0.0 185.0

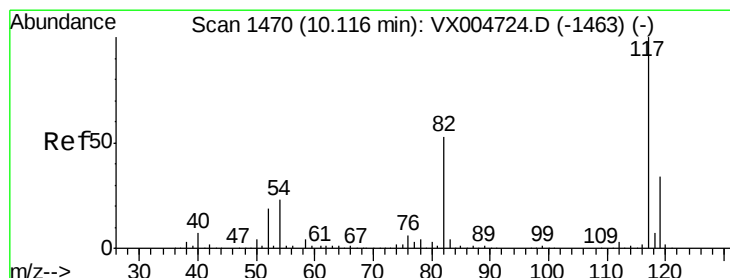
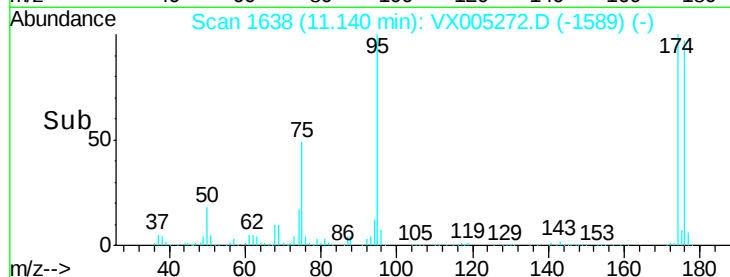
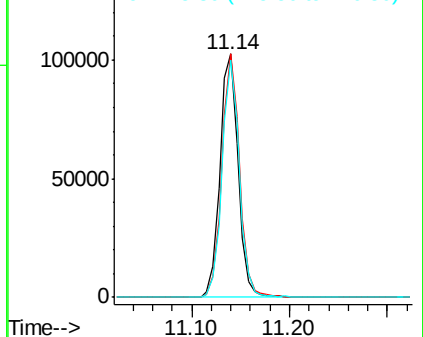
176 92.8 0.0 180.2



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: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005272.D

Acq: 11 Oct 2018 23:34

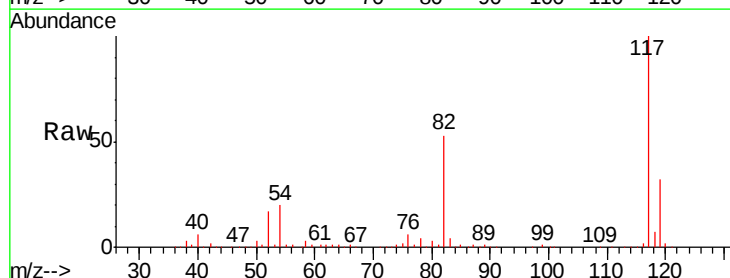
Tgt Ion: 117 Resp: 259660

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.4

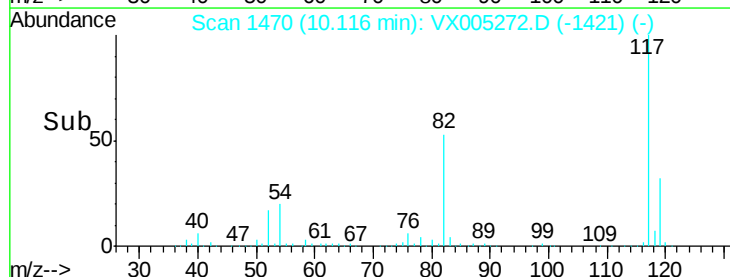
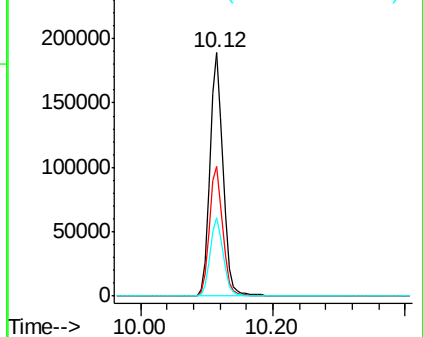
119 32.1 27.4 41.0

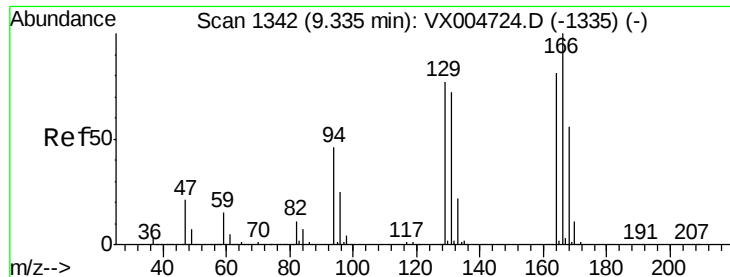


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

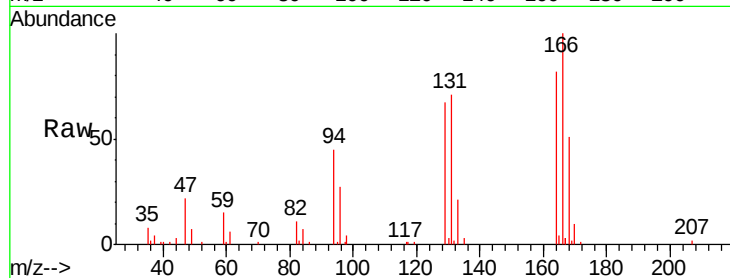




#64
Tetrachloroethene
Concen: 4.26 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005272.D
Acq: 11 Oct 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
RE137-700FT-20181009

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	98.4	147.6
129	82.4	76.1	114.1
131	86.3	71.0	106.4

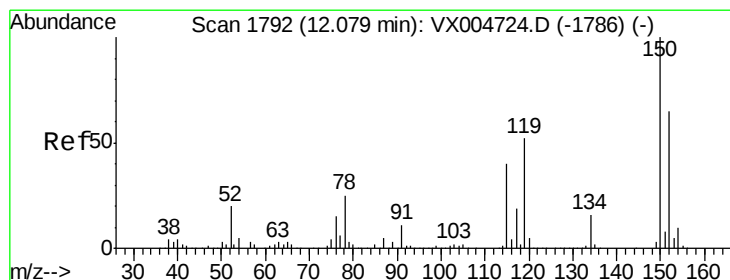
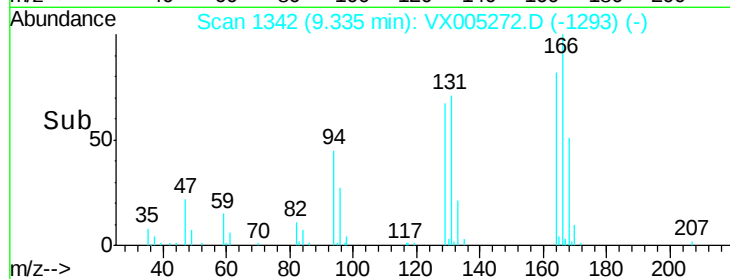
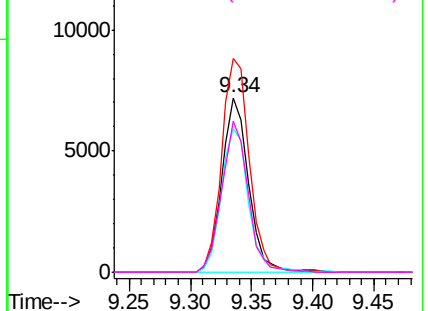


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

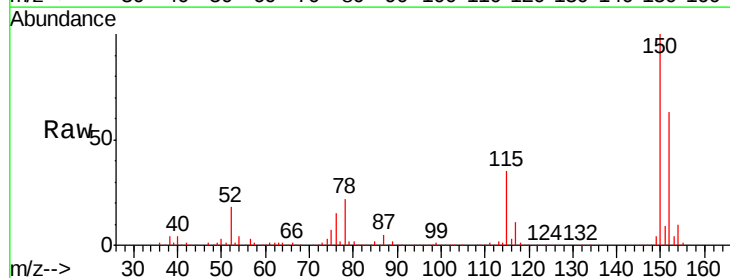
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005272.D
Acq: 11 Oct 2018 23:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	40.2	120.6
150	155.9	0.0	351.0



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

