

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010185.D
 Acq On : 10 Jun 2019 18:06
 Operator : JC/SP
 Sample : K3257-07DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20190606DL

Quant Time: Jun 11 02:39:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	415595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	369108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171405	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	122548	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	5.50	113	125268	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	8.71	98	479765	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	11.13	95	162277	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

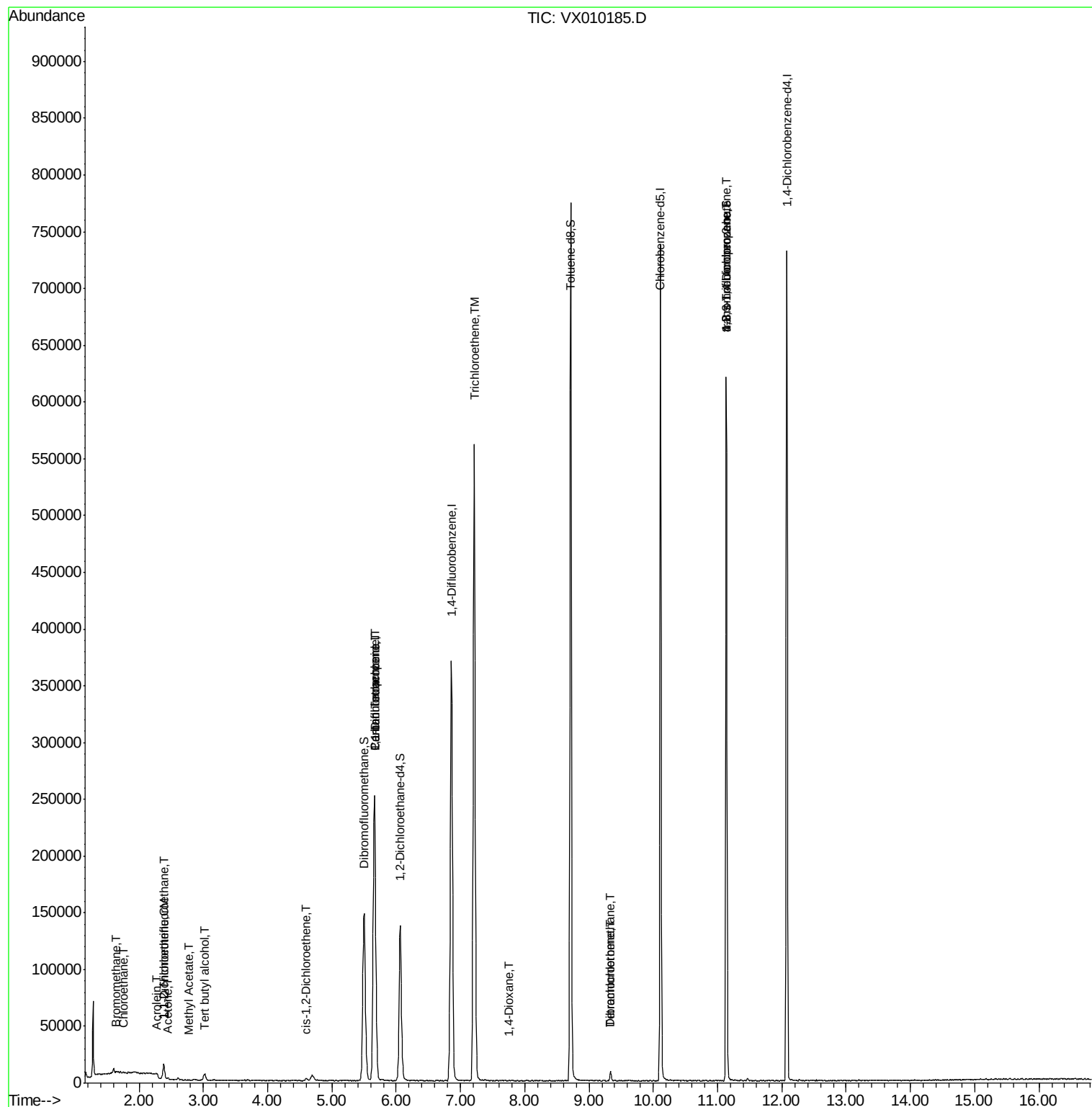
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	466	0.530	ug/l #	58
6) Chloroethane	1.76	64	371	0.316	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4646	1.947	ug/l	91
11) Tert butyl alcohol	3.02	59	3510	5.410	ug/l #	93
12) 1,1-Dichloroethene	2.38	96	1122	0.460	ug/l #	67
13) Acrolein	2.28	56	65	0.549	ug/l #	1
16) Acetone	2.45	43	740	0.594	ug/l	94
18) Methyl Acetate	2.78	43	572	0.209	ug/l #	76
27) cis-1,2-Dichloroethene	4.59	96	693	0.231	ug/l	55
36) 1,1-Dichloropropene	5.66	75	16218	4.783	ug/l #	51
38) Carbon Tetrachloride	5.66	117	23095	6.018	ug/l #	17
44) Trichloroethene	7.21	130	233471	73.876	ug/l	84
49) 1,4-Dioxane	7.75	88	166	2.111	ug/l #	88
60) Dibromochloromethane	9.34	129	1626	0.487	ug/l #	11
64) Tetrachloroethene	9.34	164	1681	0.613	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	72738	21.216	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	72738	46.876	ug/l #	10

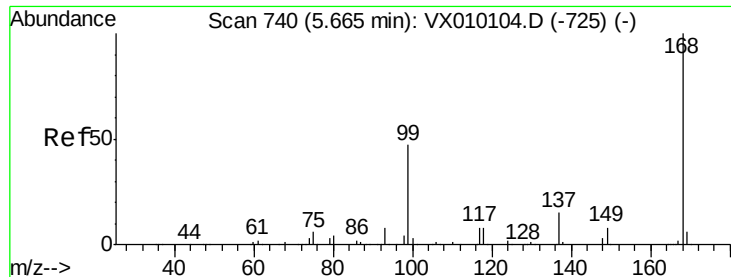
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010185.D

Acq: 10 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

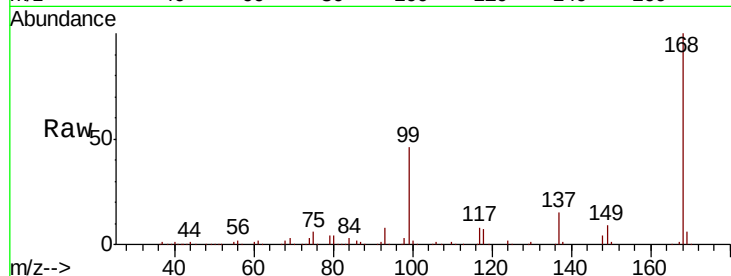
RE120D2-20190606DL

Tot Ion:168 Resp: 271309

Ion Ratio Lower Upper

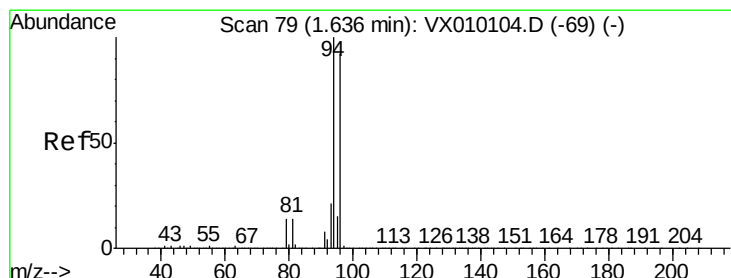
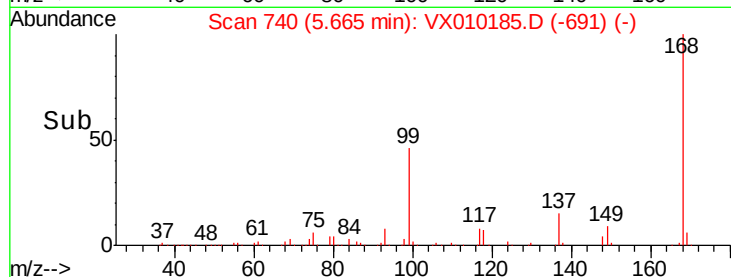
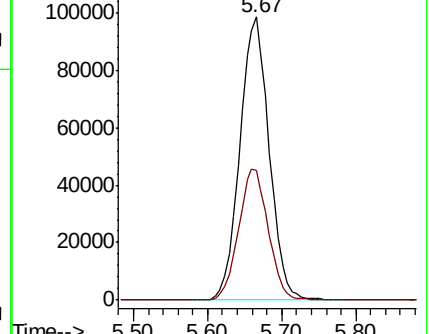
168 100

99 45.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.530 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010185.D

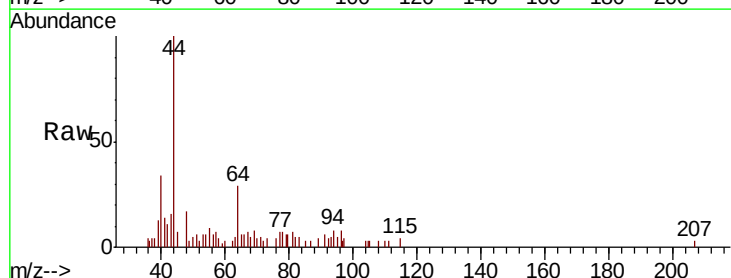
Acq: 10 Jun 2019 18:06

Tgt Ion: 94 Resp: 466

Ion Ratio Lower Upper

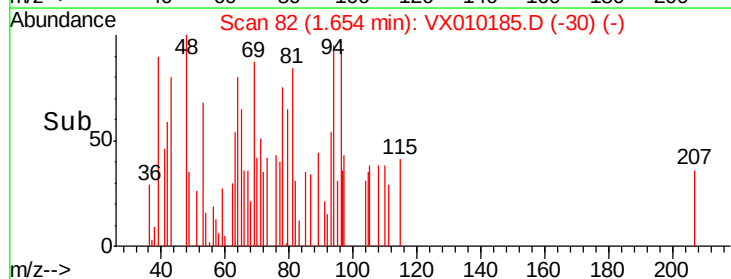
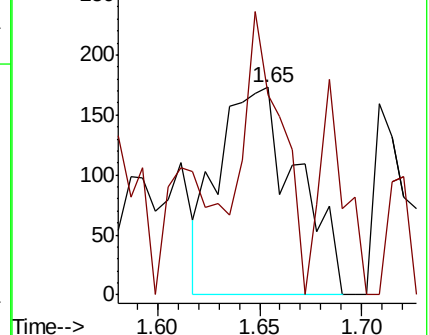
94 100

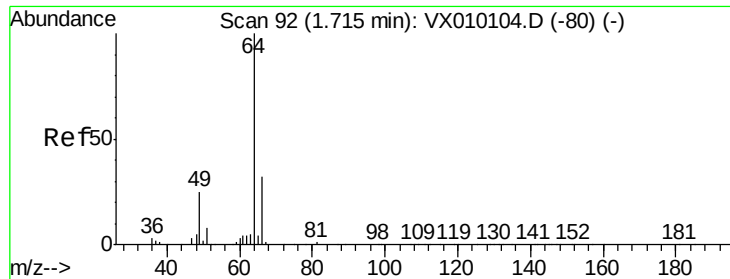
96 54.9 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.316 ug/l

RT: 1.76 min Scan# 100

Delta R.T. 0.05 min

Lab File: VX010185.D

Acq: 10 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

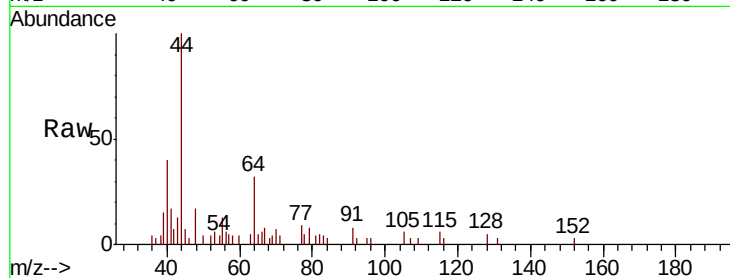
RE120D2-20190606DL

Tot Ion: 64 Resp: 371

Ion Ratio Lower Upper

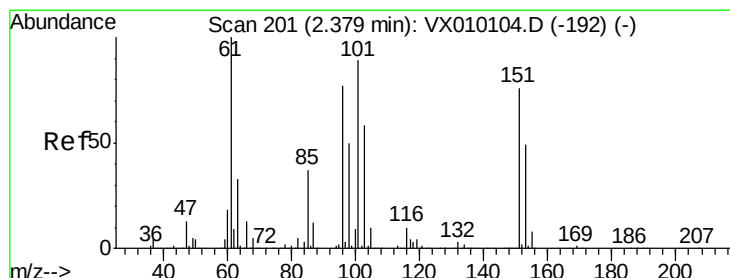
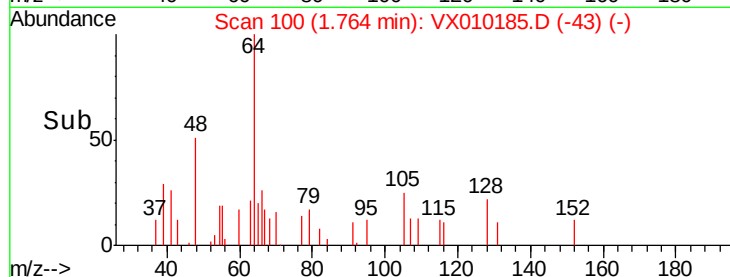
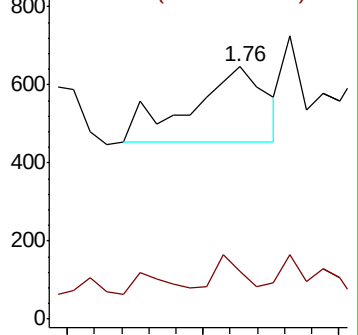
64 100

66 31.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.947 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010185.D

Acq: 10 Jun 2019 18:06

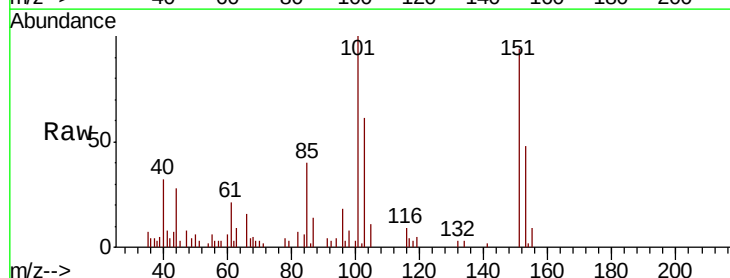
Tgt Ion: 101 Resp: 4646

Ion Ratio Lower Upper

101 100

85 44.5 35.2 52.8

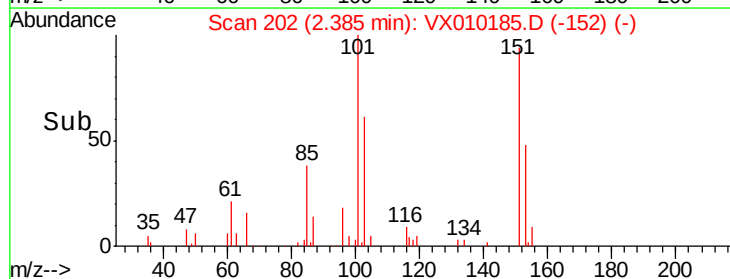
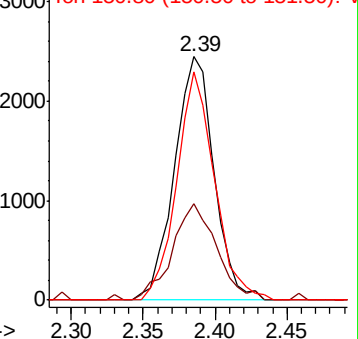
151 89.4 61.9 92.9

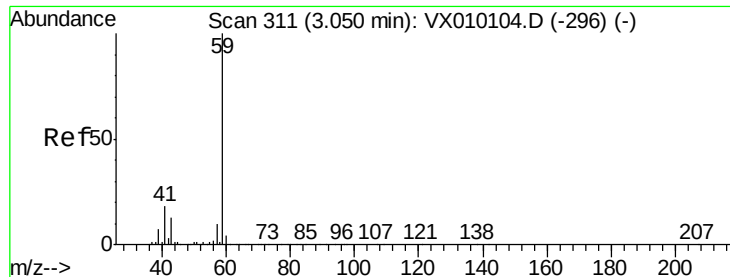


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



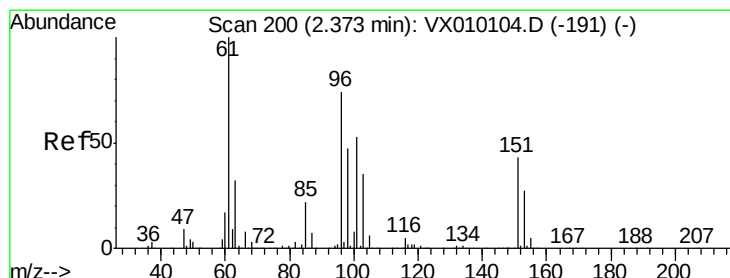
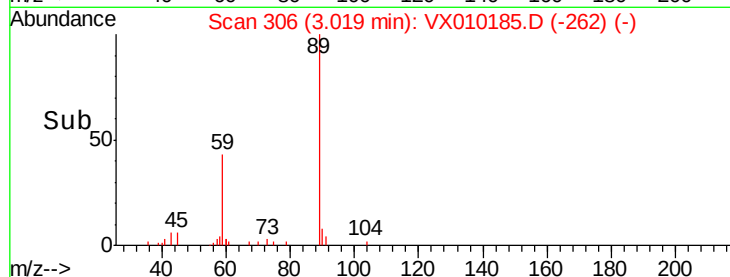
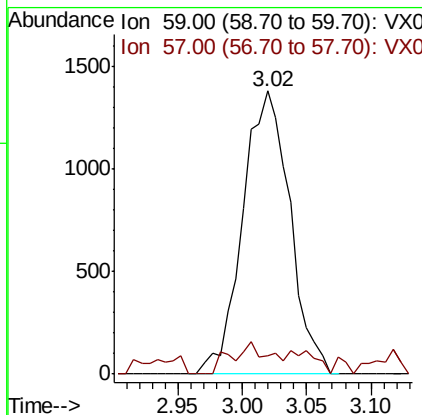
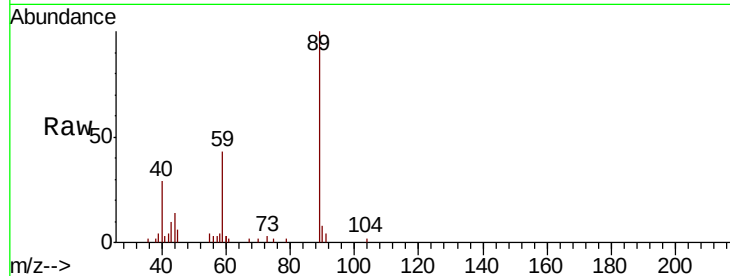


#11

Tert butyl alcohol
 Concen: 5.410 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010185.D
 Acq: 10 Jun 2019 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20190606DL

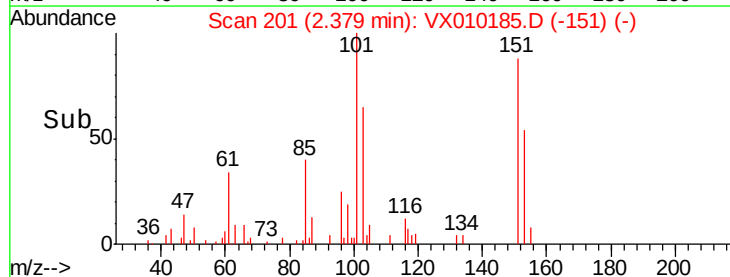
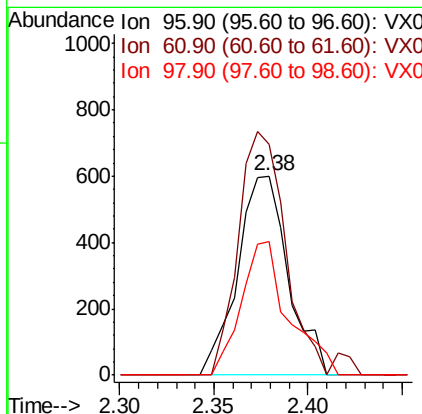
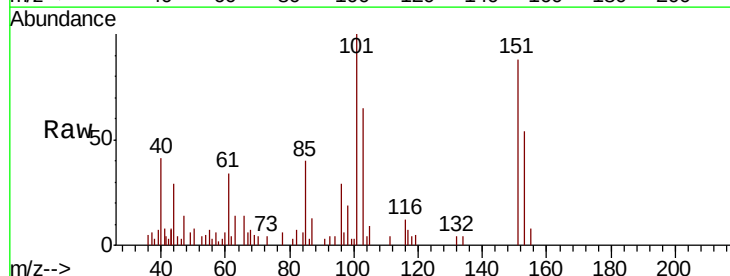
Tot Ion: 59 Resp: 3510
 Ion Ratio Lower Upper
 59 100
 57 7.5 8.2 12.2#

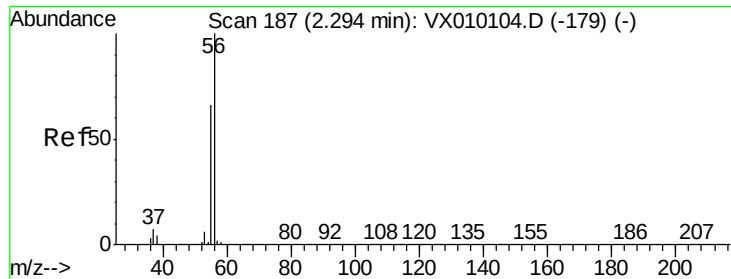


#12

1,1-Dichloroethene
 Concen: 0.460 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX010185.D
 Acq: 10 Jun 2019 18:06

Tgt Ion: 96 Resp: 1122
 Ion Ratio Lower Upper
 96 100
 61 116.3 140.7 211.1#
 98 67.2 50.1 75.1





#13

Acrolein

Concen: 0.549 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010185.D

Acq: 10 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

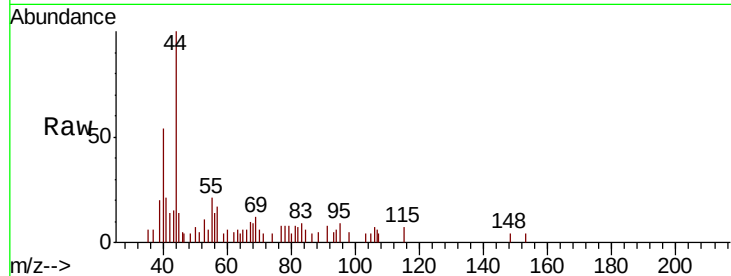
RE120D2-20190606DL

Tot Ion: 56 Resp: 65

Ion Ratio Lower Upper

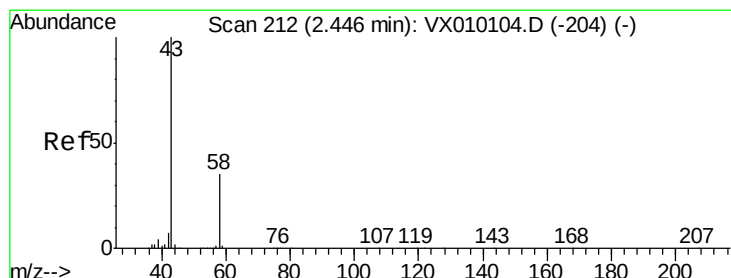
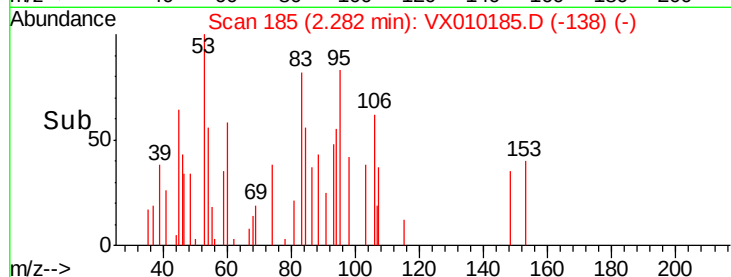
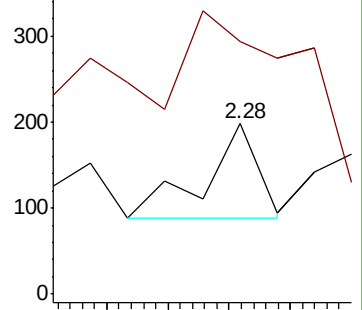
56 100

55 446.2 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.594 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010185.D

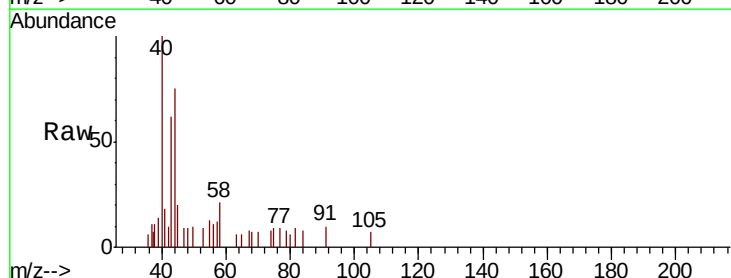
Acq: 10 Jun 2019 18:06

Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

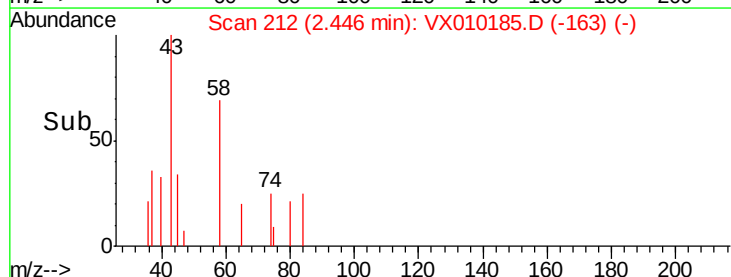
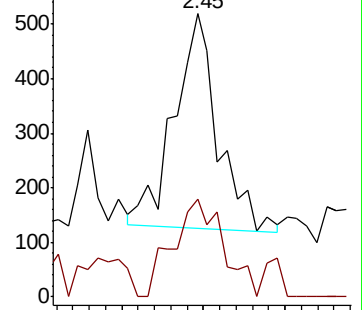
43 100

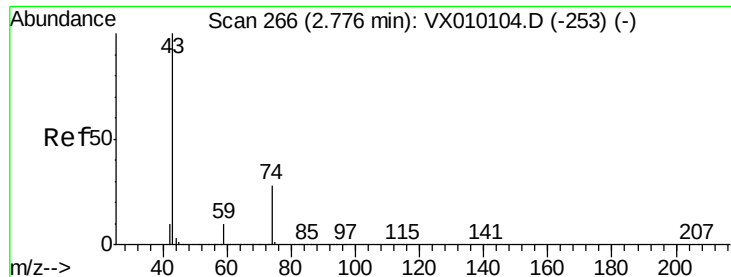
58 32.3 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

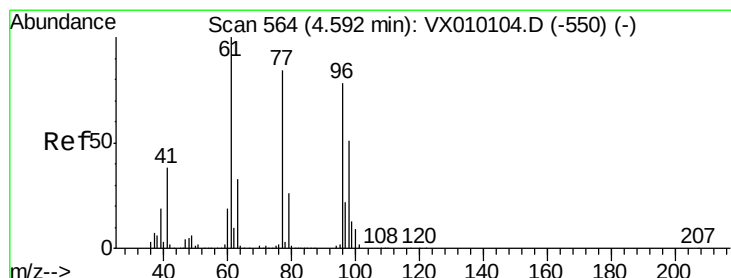
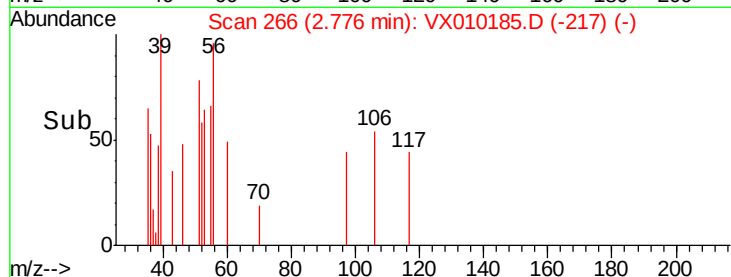
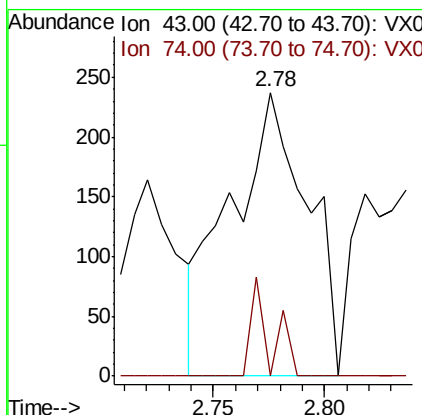
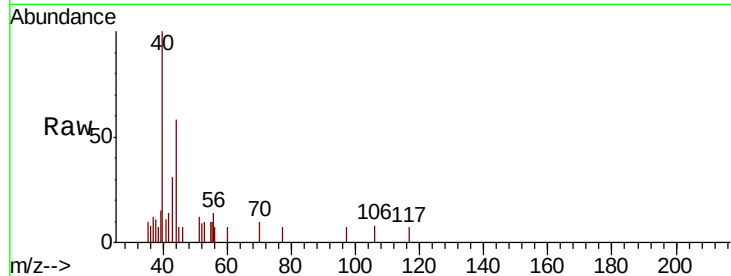




#18
Methyl Acetate
Concen: 0.209 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010185.D
Acq: 10 Jun 2019 18:06

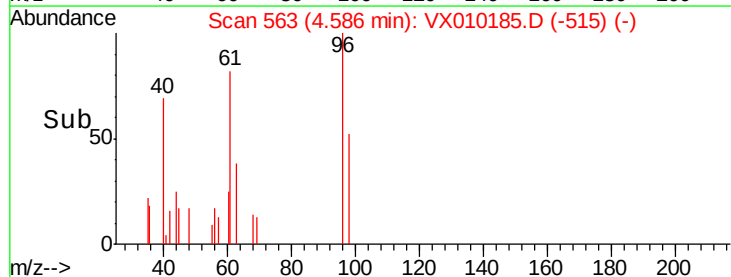
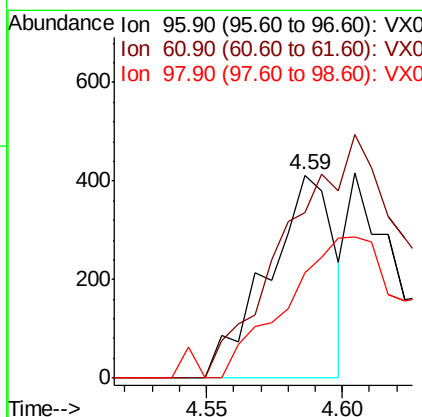
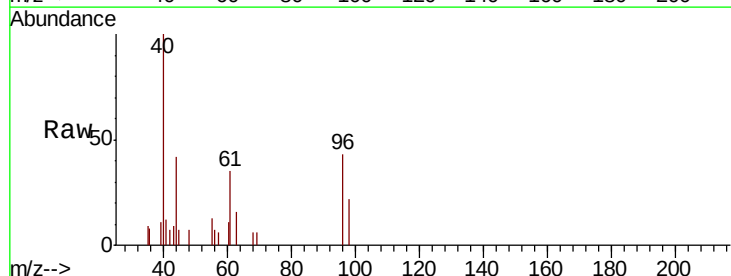
Instrument :
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ClientSampleId :
RE120D2-20190606DL

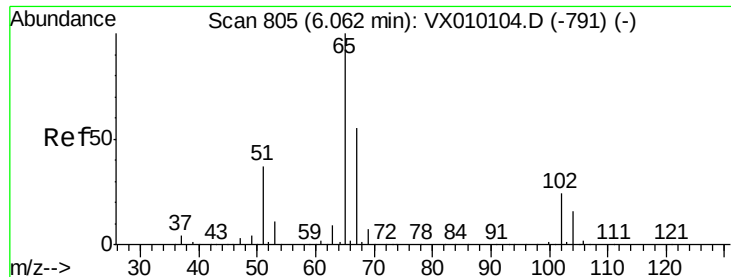
Tot Ion: 43 Resp: 572
Ion Ratio Lower Upper
43 100
74 8.7 15.8 23.6#



#27
cis-1,2-Dichloroethene
Concen: 0.231 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX010185.D
Acq: 10 Jun 2019 18:06

Tgt Ion: 96 Resp: 693
Ion Ratio Lower Upper
96 100
61 214.4 0.0 334.0
98 122.1 0.0 131.6





#33

1,2-Dichloroethane-d4

Concen: 46.274 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010185.D

Acq: 10 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

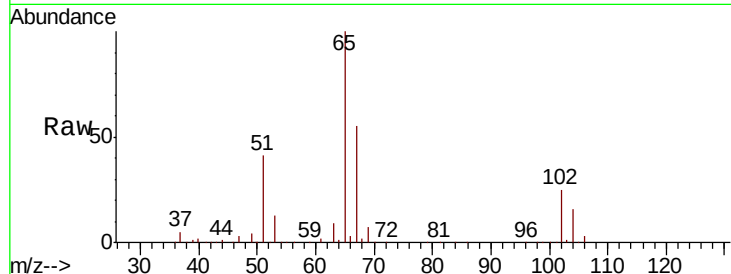
RE120D2-20190606DL

Tot Ion: 65 Resp: 122548

Ion Ratio Lower Upper

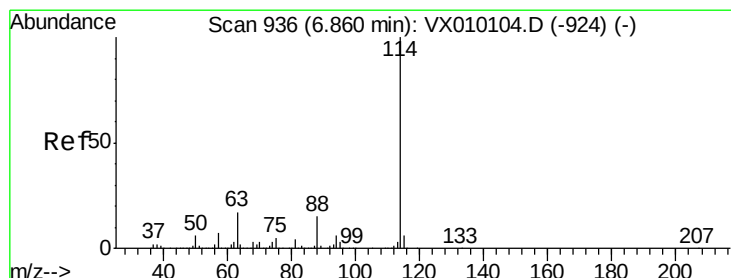
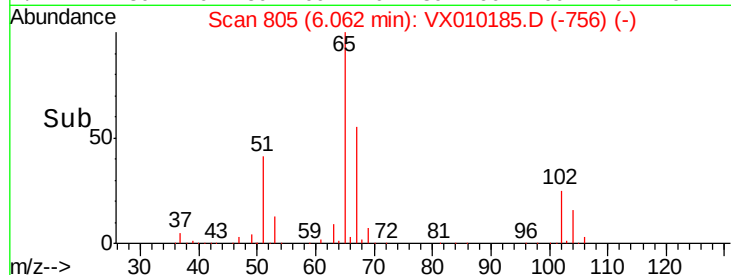
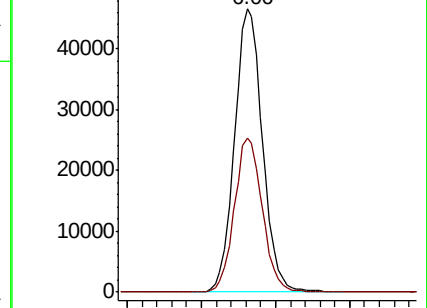
65 100

67 54.8 0.0 108.4



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: VX010185.D

Acq: 10 Jun 2019 18:06

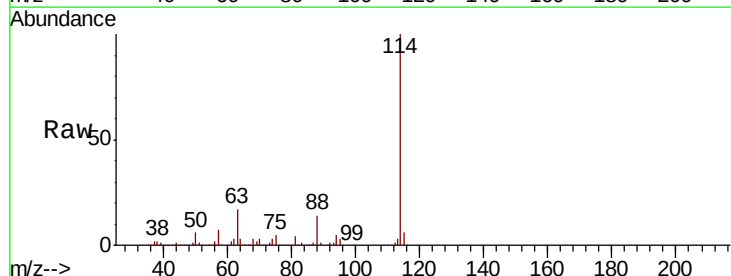
Tgt Ion: 114 Resp: 415595

Ion Ratio Lower Upper

114 100

63 16.7 0.0 47.4

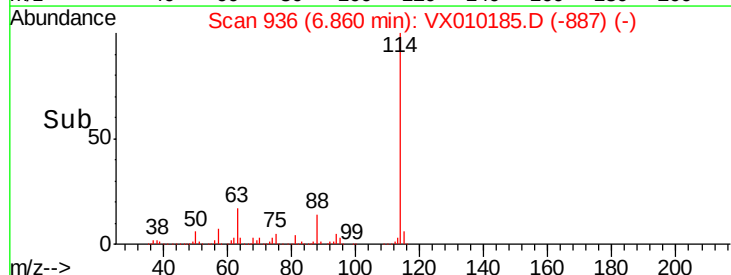
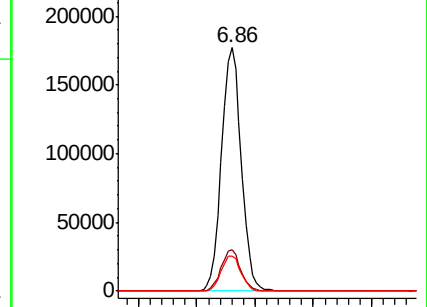
88 14.4 0.0 33.0

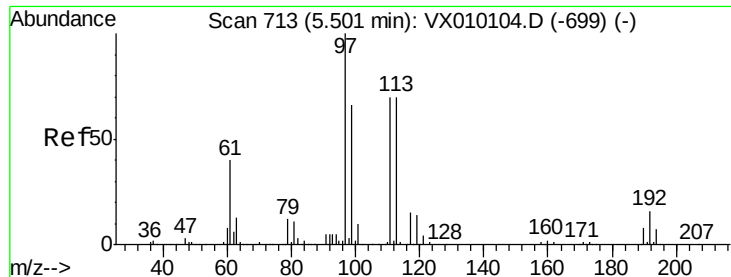


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.866 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010185.D

Acq: 10 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190606DL

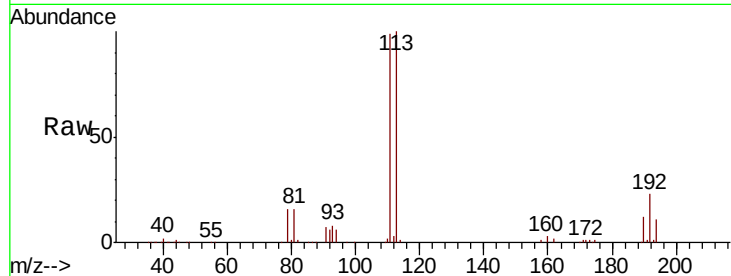
Tot Ion:113 Resp: 125268

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

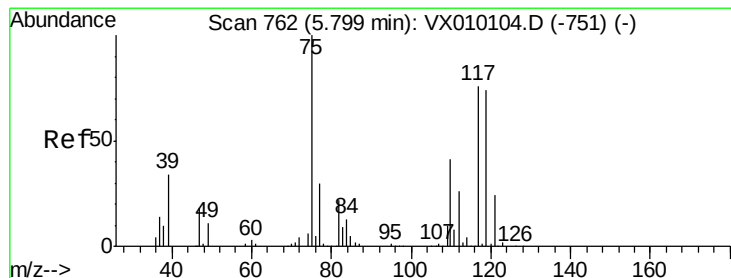
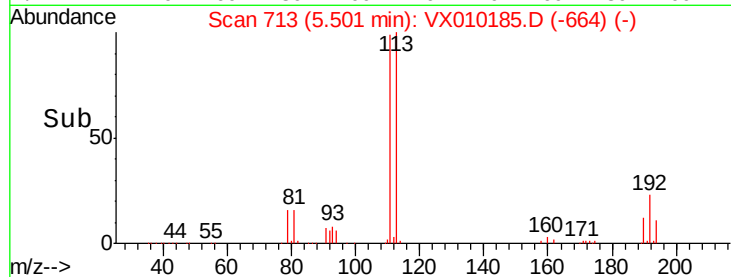
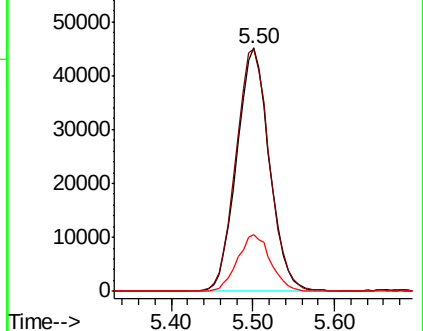
192 23.7 17.1 25.7



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



#36

1,1-Dichloropropene

Concen: 4.783 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010185.D

Acq: 10 Jun 2019 18:06

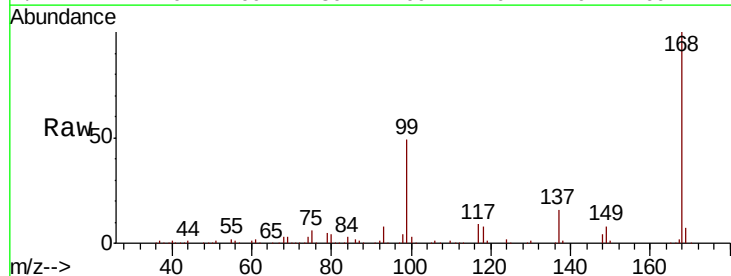
Tgt Ion: 75 Resp: 16218

Ion Ratio Lower Upper

75 100

110 9.8 16.7 50.1#

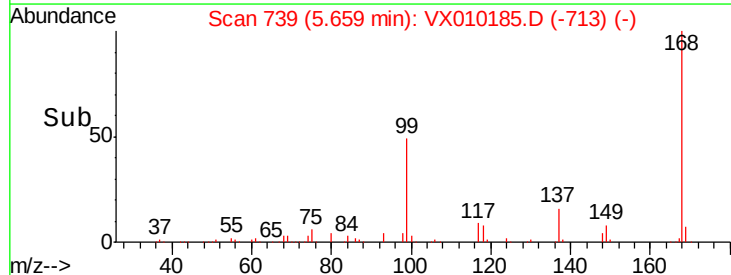
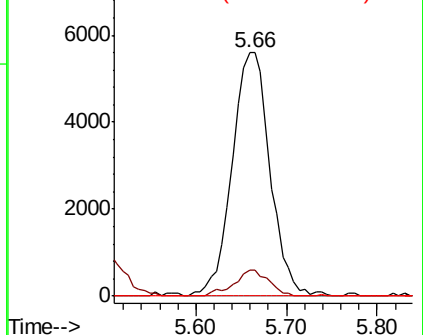
77 0.0 25.0 37.4#

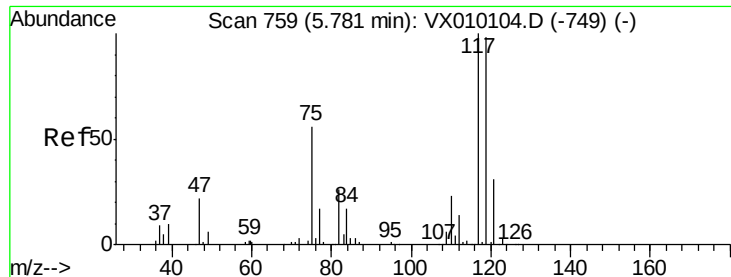


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.018 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010185.D

Acq: 10 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190606DL

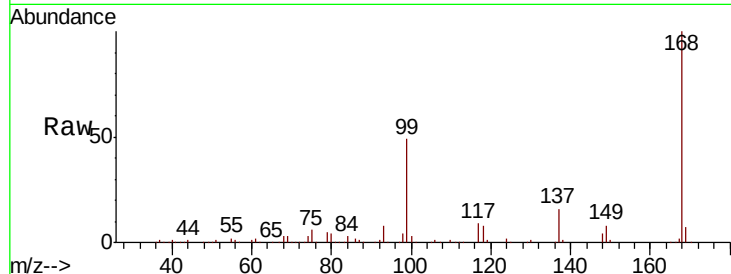
Tot Ion:117 Resp: 23095

Ion Ratio Lower Upper

117 100

119 6.7 77.3 115.9#

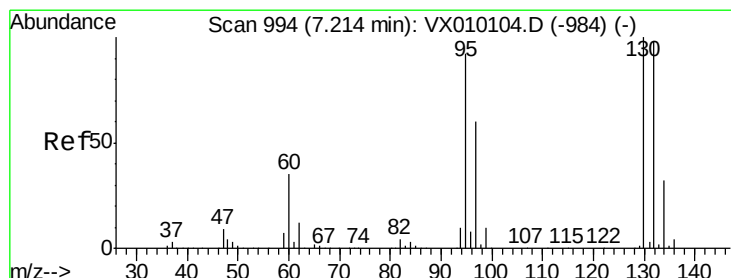
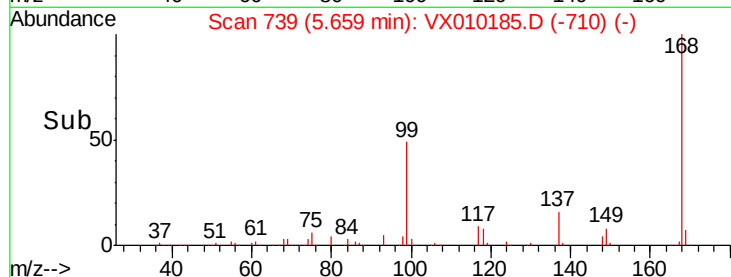
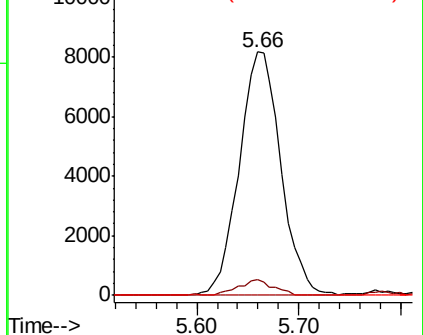
121 0.0 25.4 38.0#



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: 73.876 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010185.D

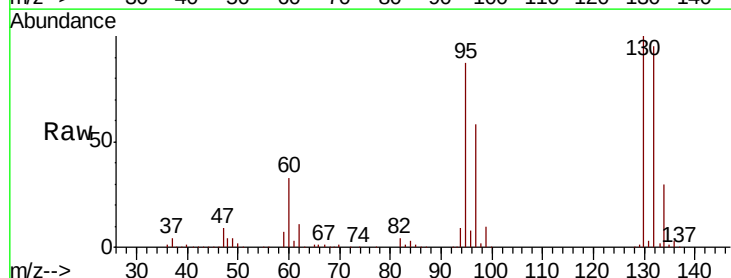
Acq: 10 Jun 2019 18:06

Tgt Ion:130 Resp: 233471

Ion Ratio Lower Upper

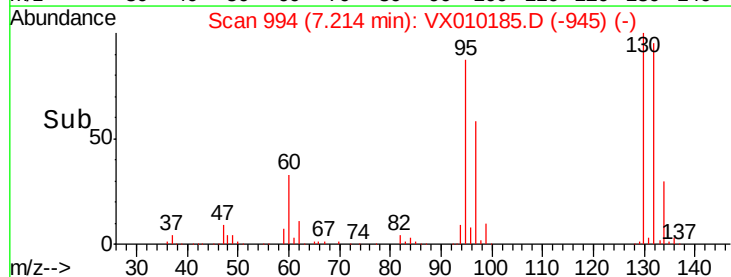
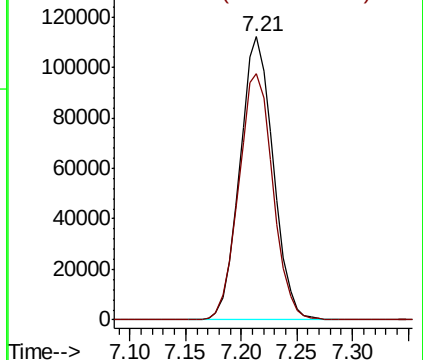
130 100

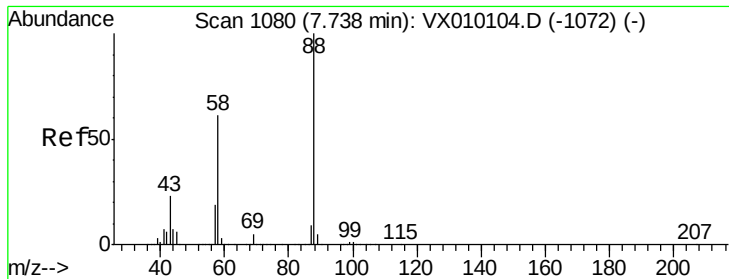
95 87.2 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.111 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX010185.D

Acq: 10 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190606DL

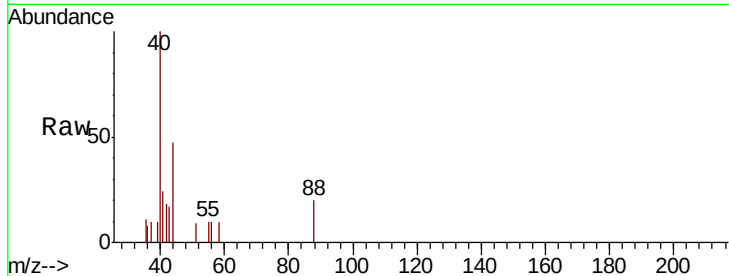
Tot Ion: 88 Resp: 166

Ion Ratio Lower Upper

88 100

43 59.6 30.2 45.4#

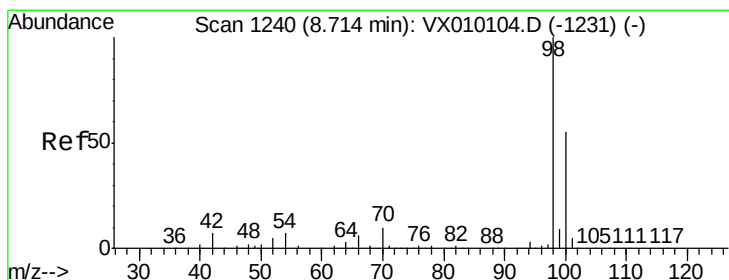
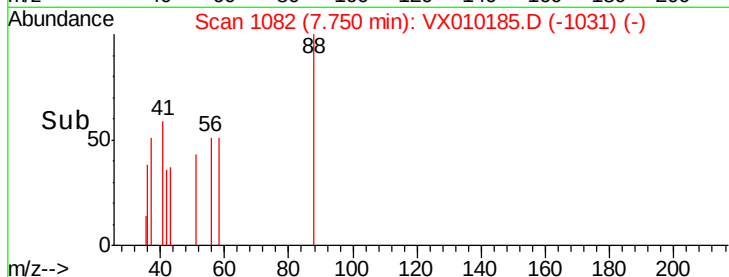
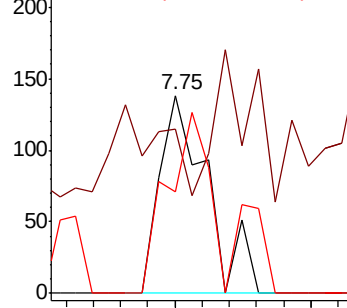
58 80.1 64.0 96.0



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: 49.936 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010185.D

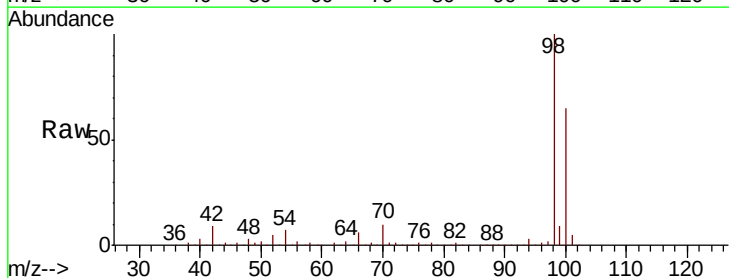
Acq: 10 Jun 2019 18:06

Tgt Ion: 98 Resp: 479765

Ion Ratio Lower Upper

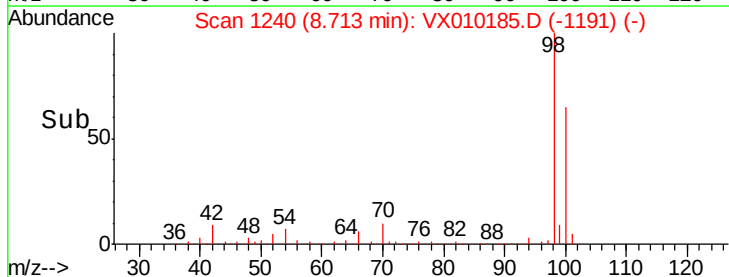
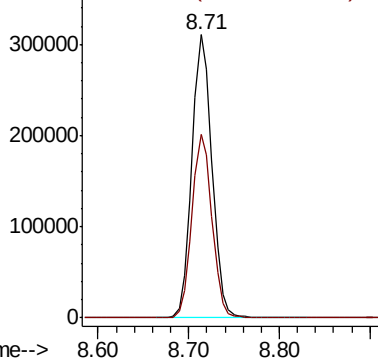
98 100

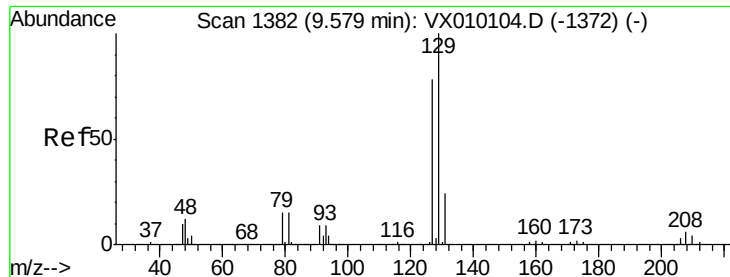
100 64.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.487 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. -0.24 min

Lab File: VX010185.D

Acq: 10 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

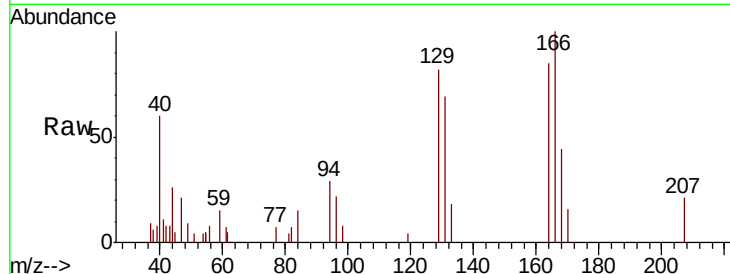
RE120D2-20190606DL

Tot Ion:129 Resp: 1626

Ion Ratio Lower Upper

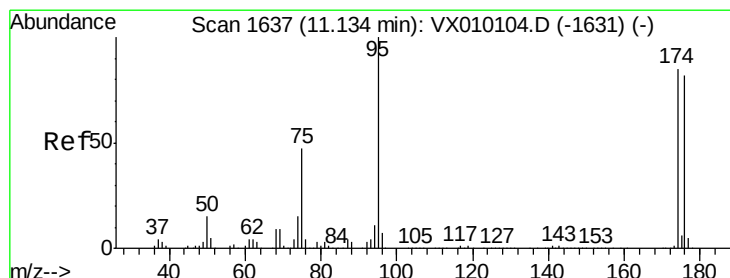
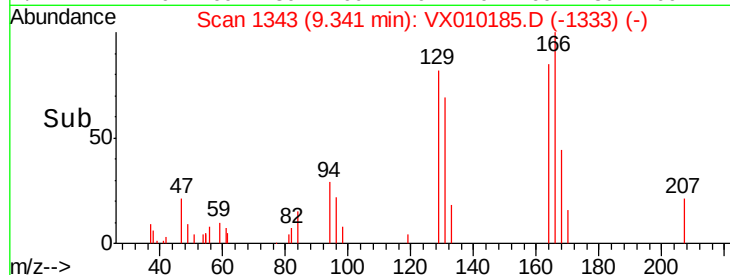
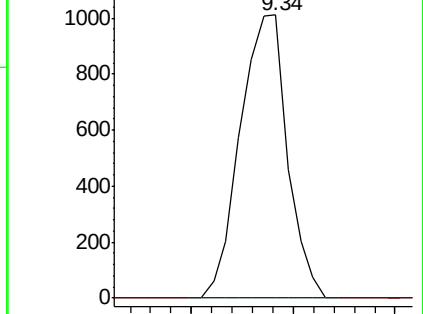
129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.227 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010185.D

Acq: 10 Jun 2019 18:06

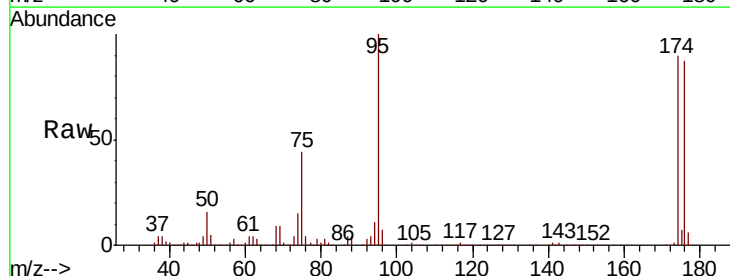
Tgt Ion: 95 Resp: 162277

Ion Ratio Lower Upper

95 100

174 94.1 0.0 160.4

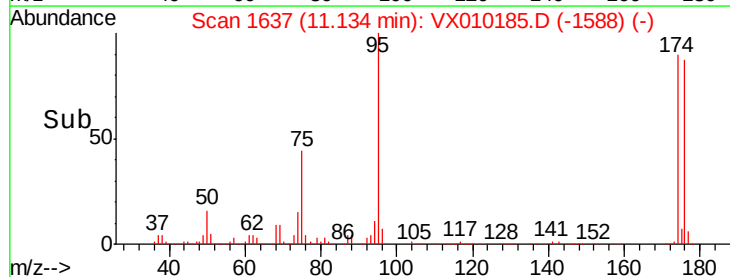
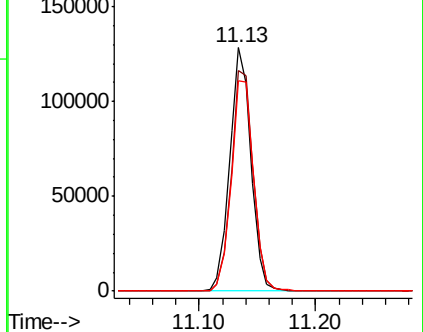
176 91.6 0.0 154.6

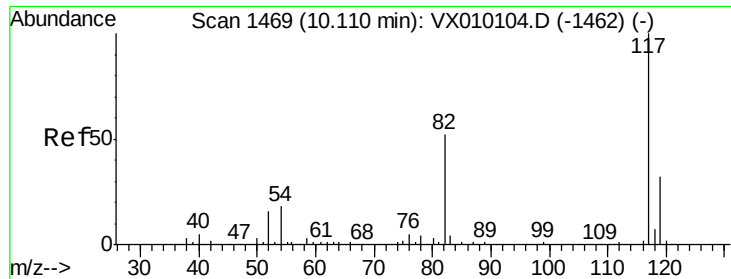


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

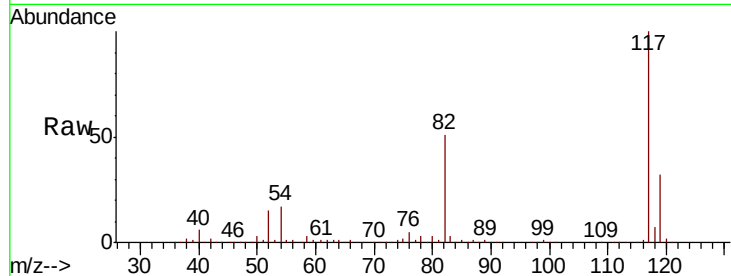




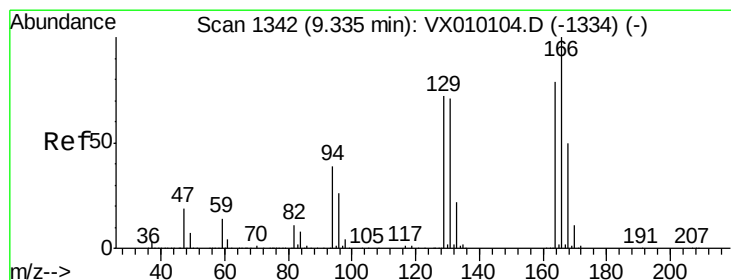
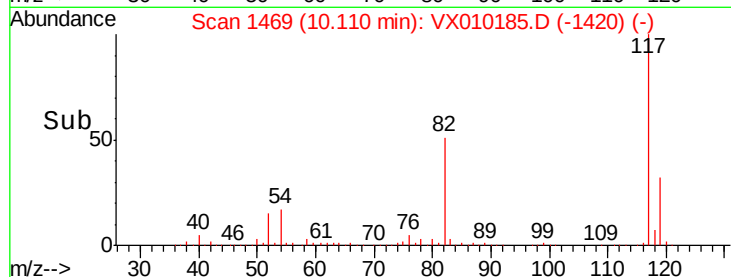
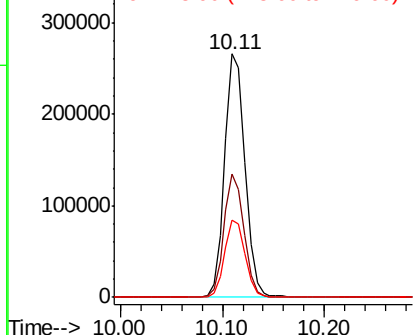
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010185.D
Acq: 10 Jun 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20190606DL

Tot Ion:117 Resp: 369108
Ion Ratio Lower Upper
117 100
82 50.6 49.2 73.8
119 31.6 25.2 37.8

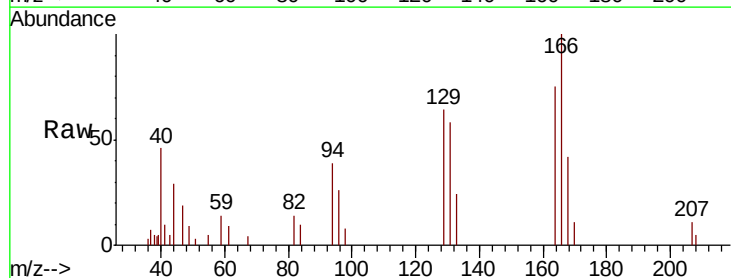


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

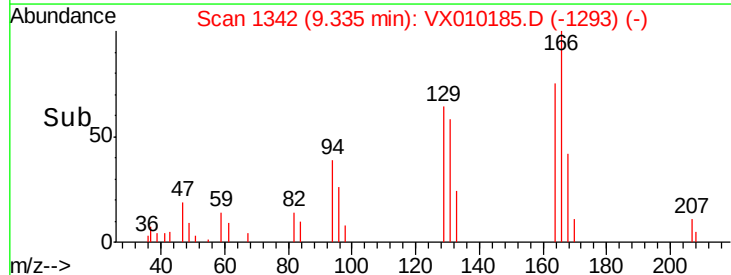
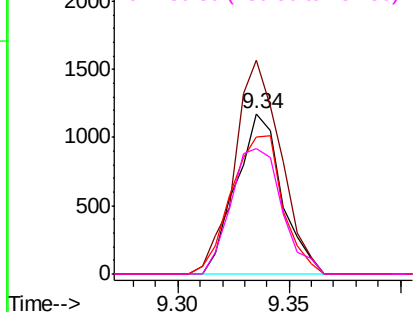


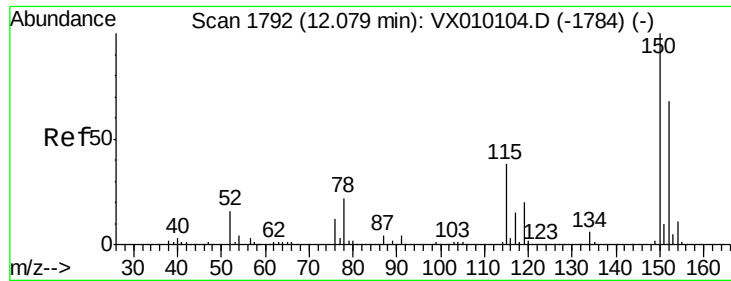
#64
Tetrachloroethene
Concen: 0.613 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010185.D
Acq: 10 Jun 2019 18:06

Tgt Ion:164 Resp: 1681
Ion Ratio Lower Upper
164 100
166 133.3 105.0 157.4
129 85.6 75.1 112.7
131 78.0 72.2 108.4



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



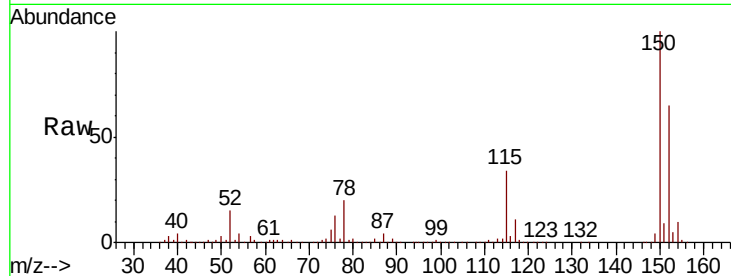


#72

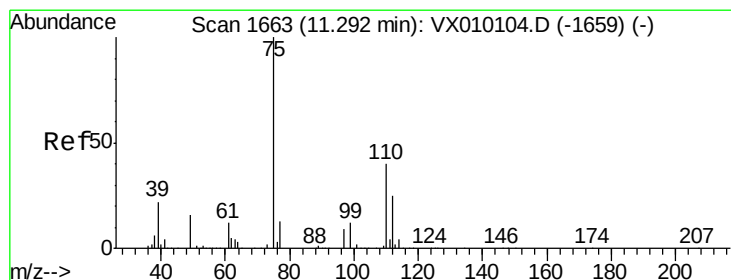
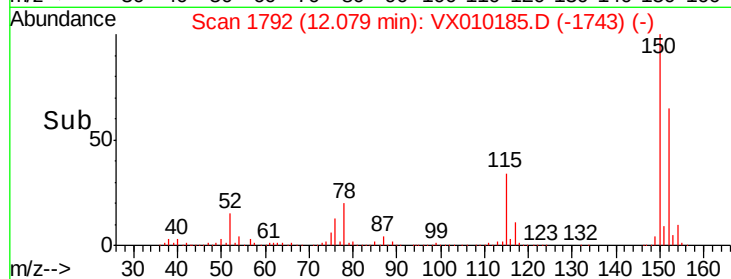
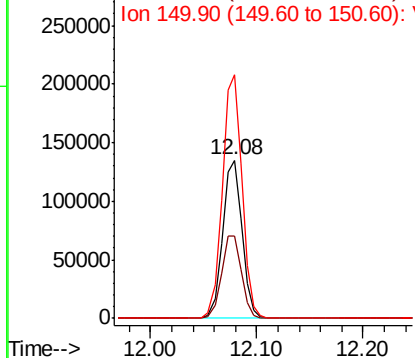
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010185.D
Acq: 10 Jun 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20190606DL

Tot Ion:152 Resp: 171405
Ion Ratio Lower Upper
152 100
115 53.8 41.4 124.2
150 155.9 0.0 345.2



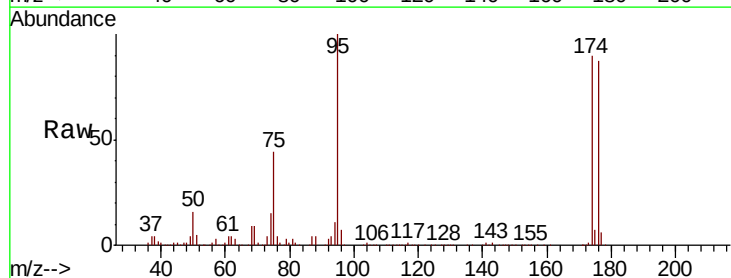
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



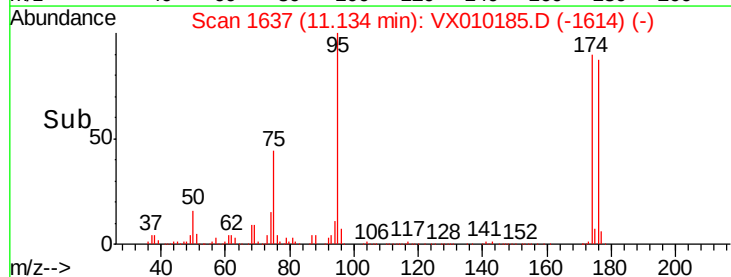
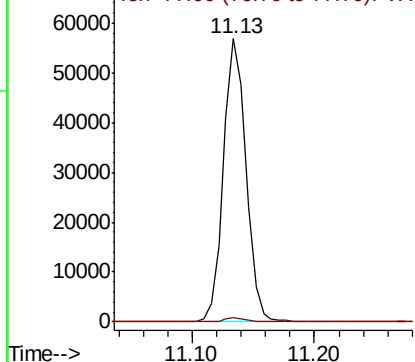
#76

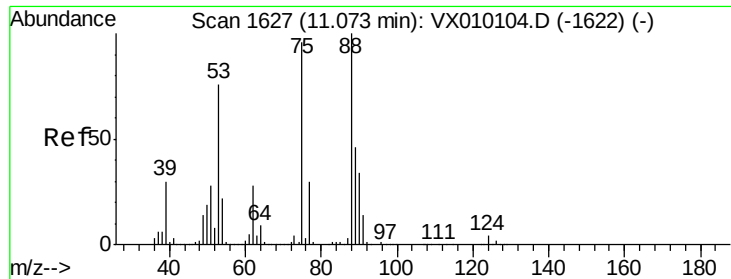
1,2,3-Trichloropropane
Concen: 21.216 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010185.D
Acq: 10 Jun 2019 18:06

Tgt Ion: 75 Resp: 72738
Ion Ratio Lower Upper
75 100
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

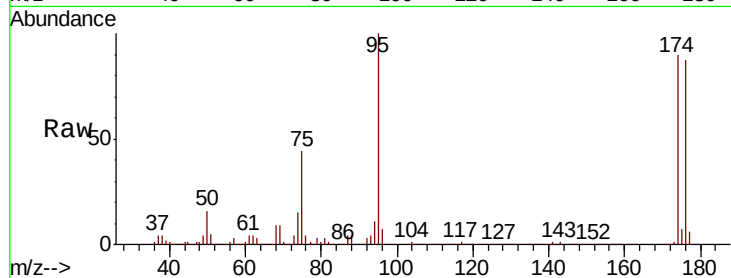




#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.876 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010185.D
 Acq: 10 Jun 2019 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20190606DL

Tot Ion: 75 Resp: 72738
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 53.00 (52.70 to 53.70): VX0
 Ion 88.90 (88.60 to 89.60): VX0

