

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013628.D
 Acq On : 27 Nov 2019 03:29
 Operator : JC/SP
 Sample : K5962-15DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Nov 27 06:21:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	647955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1040166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	928055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	414761	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	373437	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	5.49	113	314307	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	8.71	98	1224067	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.14	95	416202	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	

Target Compounds

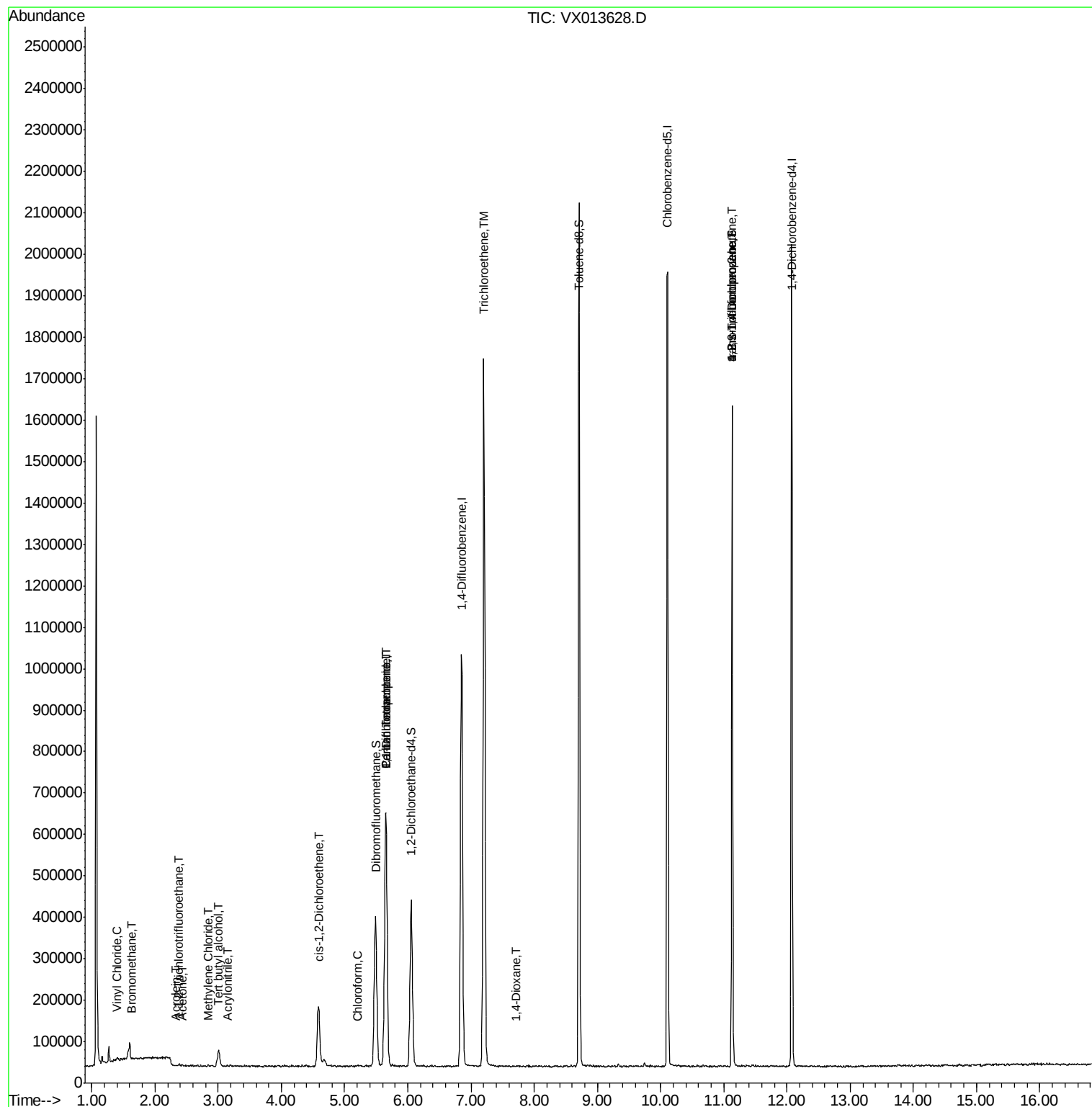
					Qvalue	
4) Vinyl Chloride	1.40	62	4263	0.468	ug/l	96
5) Bromomethane	1.64	94	1256	0.205	ug/l #	76
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1663	0.269	ug/l #	66
11) Tert butyl alcohol	3.01	59	25960	13.983	ug/l #	84
13) Acrolein	2.33	56	333	6.266	ug/l #	54
15) Acrylonitrile	3.15	53	924	0.241	ug/l #	17
16) Acetone	2.43	43	3319	0.894	ug/l #	79
20) Methylene Chloride	2.85	84	1863	0.261	ug/l #	54
27) cis-1,2-Dichloroethene	4.59	96	97461	12.633	ug/l	90
30) Chloroform	5.20	83	3436	0.288	ug/l #	69
36) 1,1-Dichloropropene	5.65	75	43451	4.602	ug/l #	53
38) Carbon Tetrachloride	5.65	117	56423	6.481	ug/l #	16
44) Trichloroethene	7.20	130	688793	87.273	ug/l	97
49) 1,4-Dioxane	7.73	88	292	1.540	ug/l #	24
76) 1,2,3-Trichloropropane	11.13	75	206392	22.124	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	206392	60.528	ug/l #	11

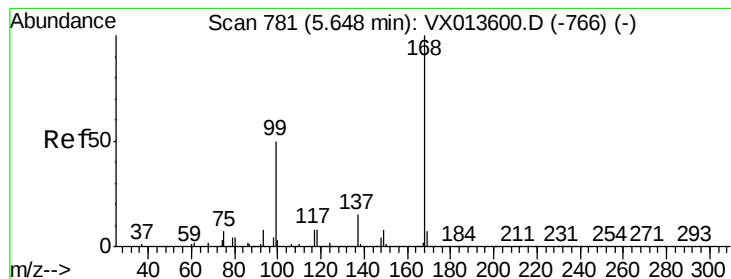
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112619\
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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

Instrument :

MSVOA_X

ClientSampleId :

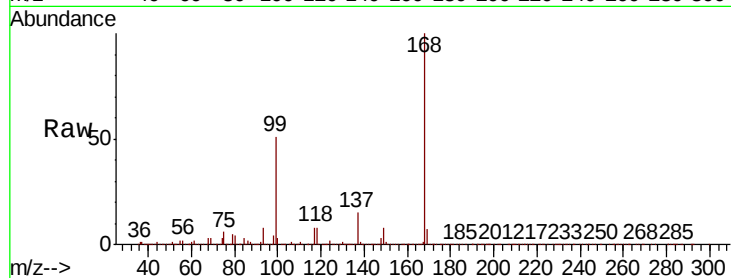
BFB

Tot Ion:168 Resp: 647955

Ion Ratio Lower Upper

168 100

99 50.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

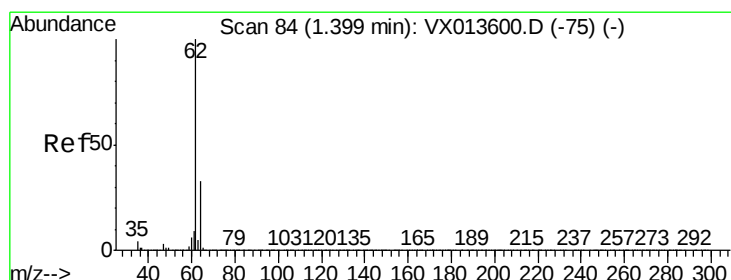
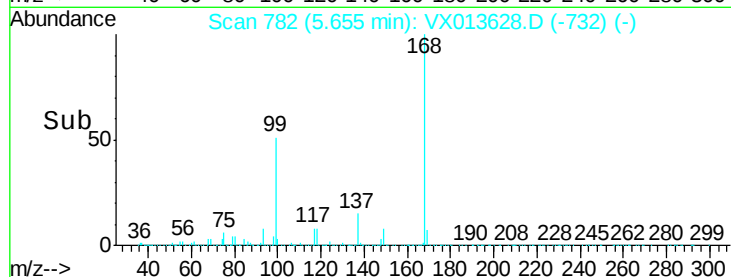
150000

100000

50000

0

Time--> 5.50 5.60 5.70



#4

Vinyl Chloride

Concen: 0.468 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013628.D

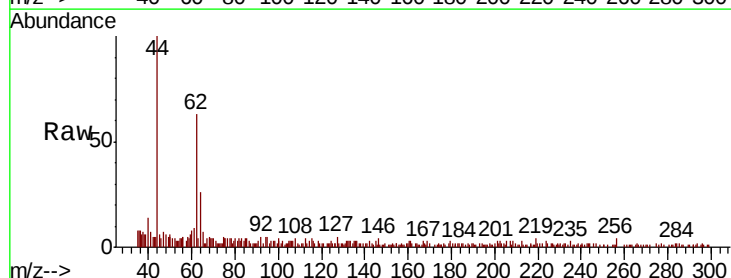
Acq: 27 Nov 2019 03:29

Tgt Ion: 62 Resp: 4263

Ion Ratio Lower Upper

62 100

64 30.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

5000

4000

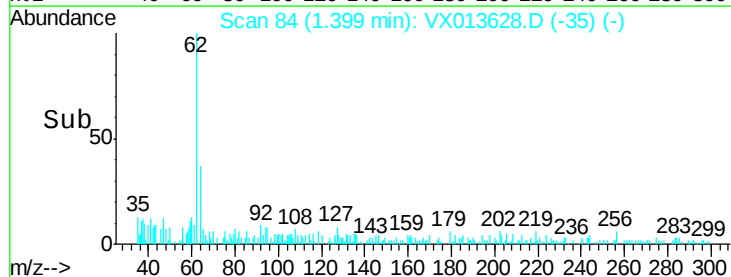
3000

2000

1000

0

Time--> 1.35 1.40





#5

Bromomethane

Concen: 0.205 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

Instrument :

MSVOA_X

ClientSampled :

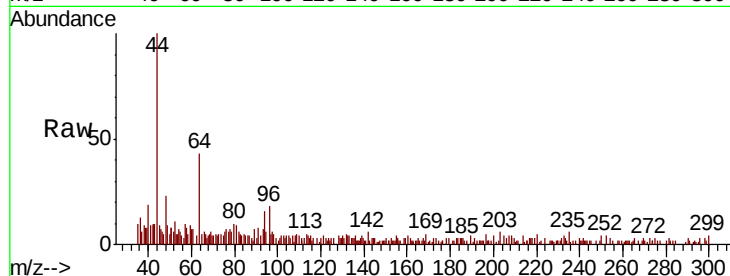
BFB

Tot Ion: 94 Resp: 1256

Ion Ratio Lower Upper

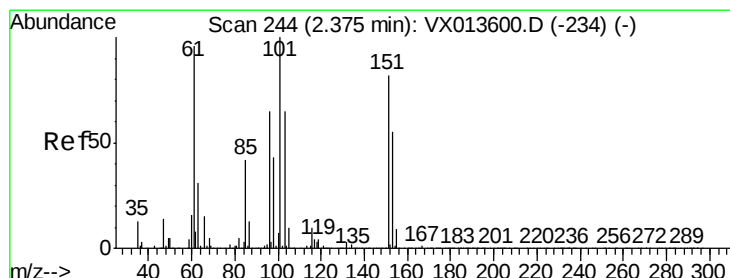
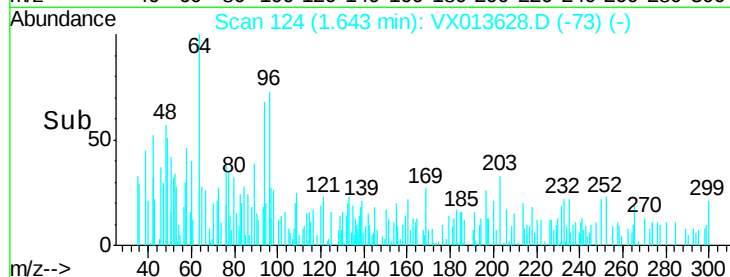
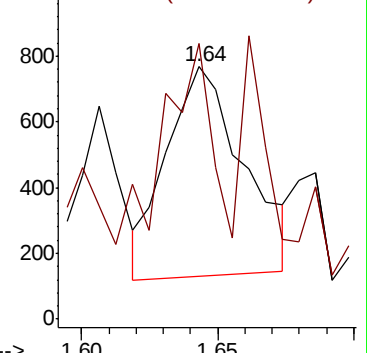
94 100

96 119.3 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.269 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

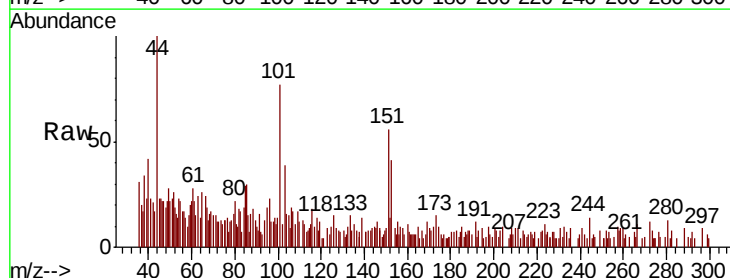
Tgt Ion: 101 Resp: 1663

Ion Ratio Lower Upper

101 100

85 49.4 33.9 50.9

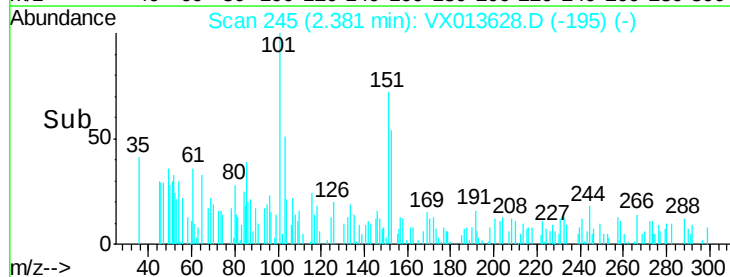
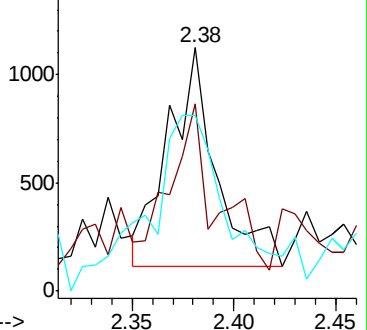
151 120.4 64.2 96.2#

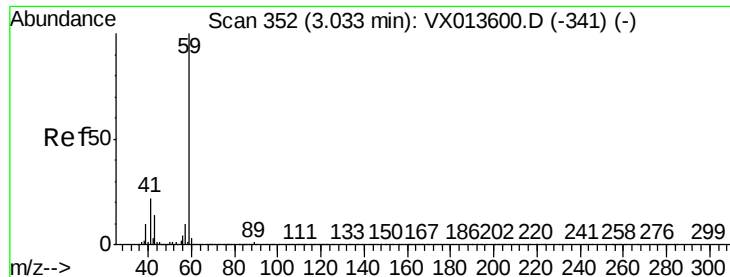


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



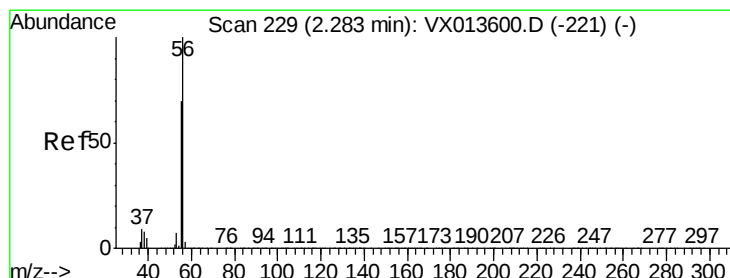
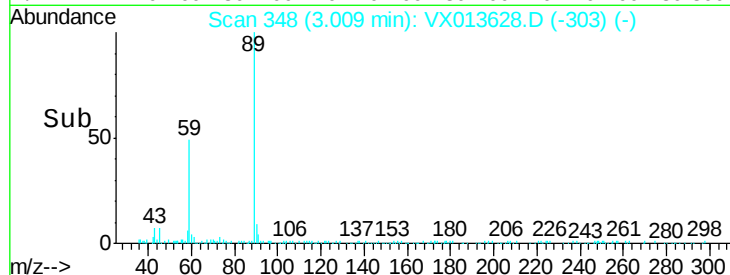
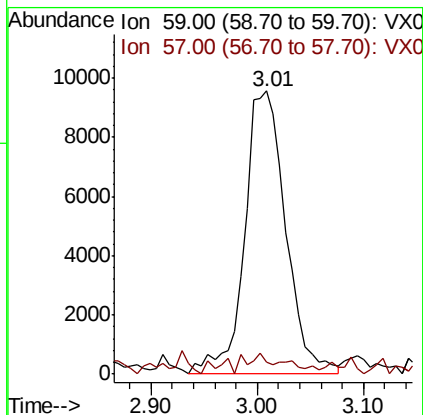
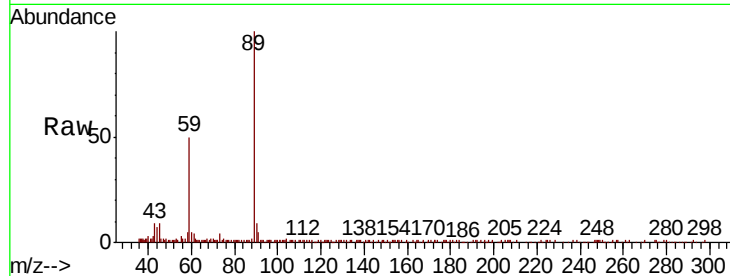


#11

Tert butyl alcohol
Concen: 13.983 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013628.D
Acq: 27 Nov 2019 03:29

Instrument :
MSVOA_X
ClientSampled :
BFB

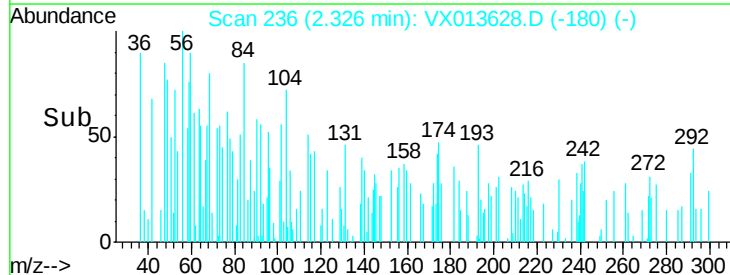
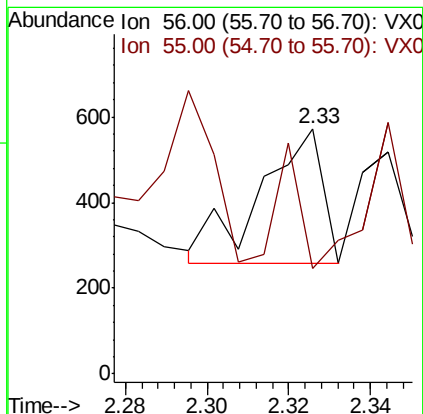
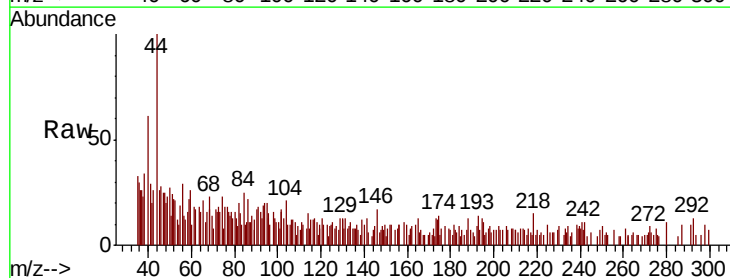
Tot Ion: 59 Resp: 25960
Ion Ratio Lower Upper
59 100
57 4.0 7.8 11.6#

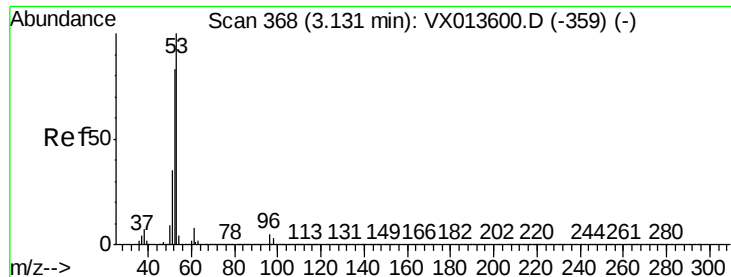


#13

Acrolein
Concen: 6.266 ug/l
RT: 2.33 min Scan# 236
Delta R.T. 0.04 min
Lab File: VX013628.D
Acq: 27 Nov 2019 03:29

Tgt Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 32.1 56.2 84.4#





#15

Acrylonitrile

Concen: 0.241 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

Instrument :

MSVOA_X

ClientSampled :

BFB

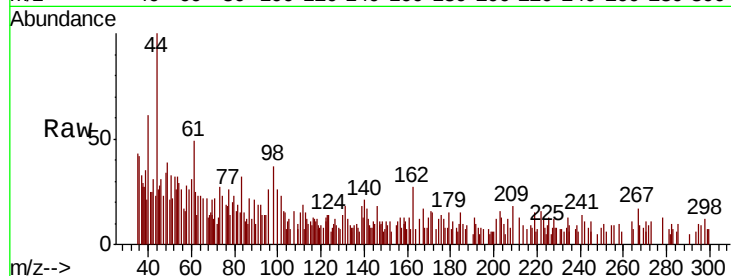
Tot Ion: 53 Resp: 924

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

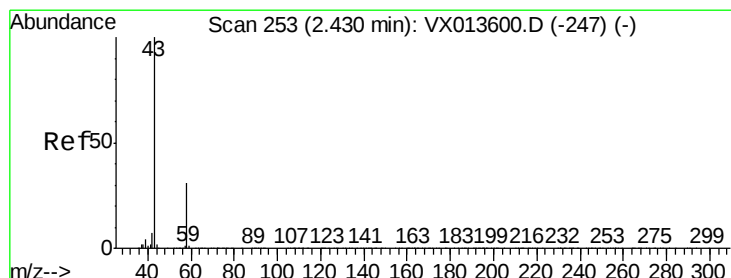
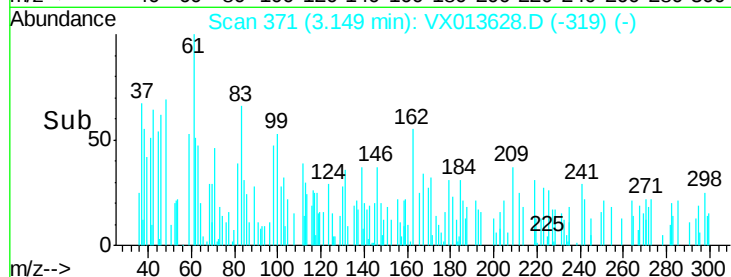
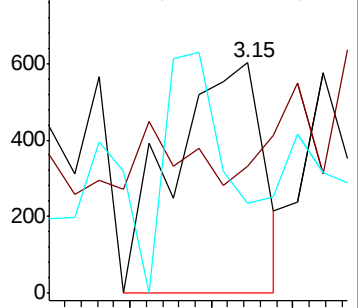
51 0.0 29.0 43.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.894 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013628.D

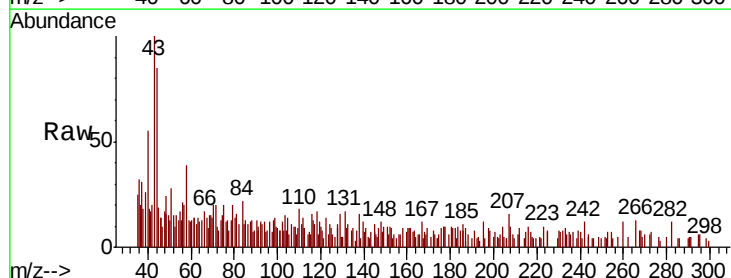
Acq: 27 Nov 2019 03:29

Tgt Ion: 43 Resp: 3319

Ion Ratio Lower Upper

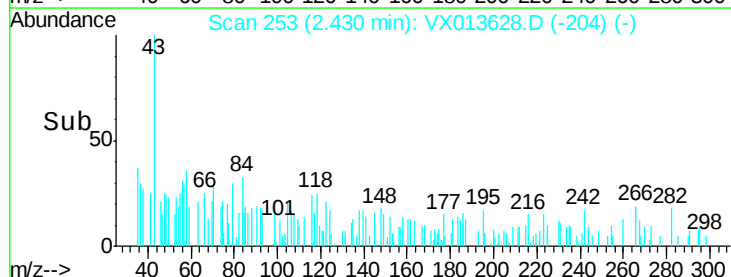
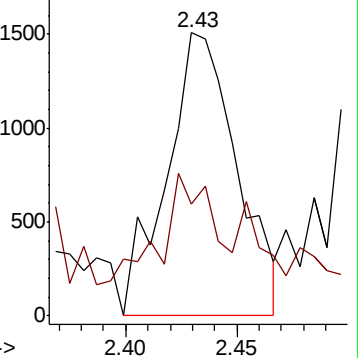
43 100

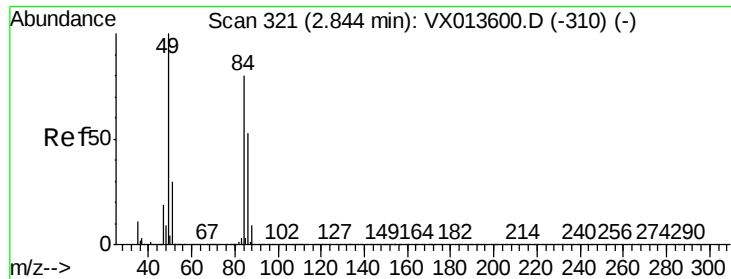
58 19.4 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

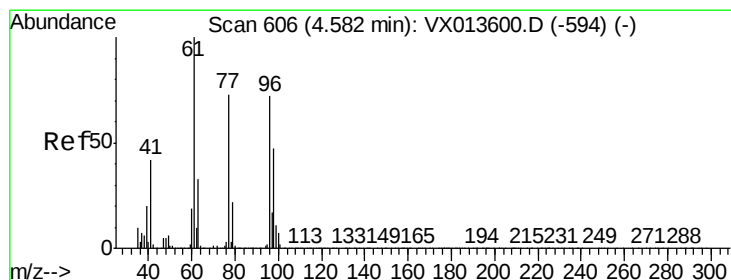
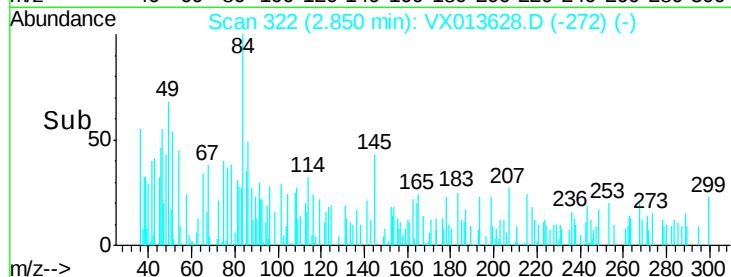
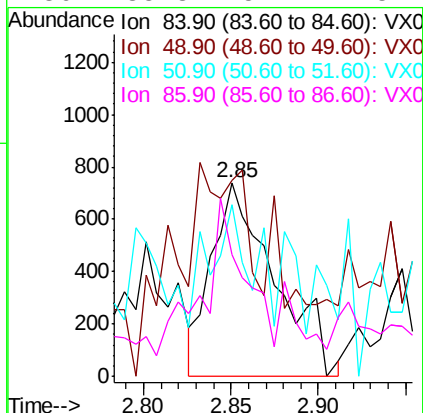
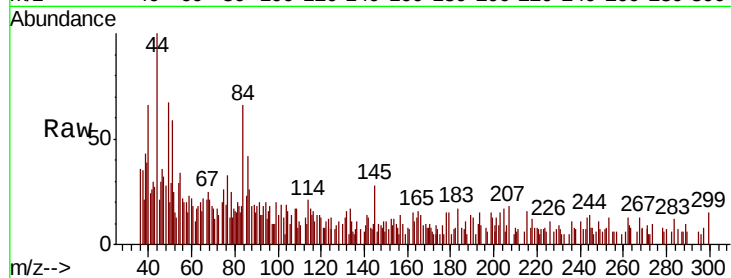




#20
Methvlene Chloride
Concen: 0.261 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013628.D
Acq: 27 Nov 2019 03:29

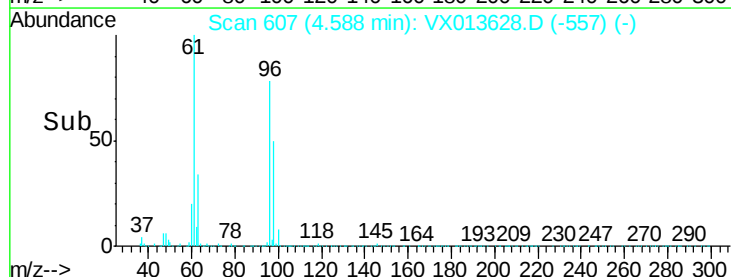
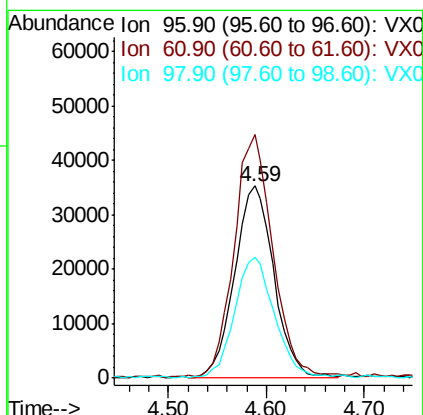
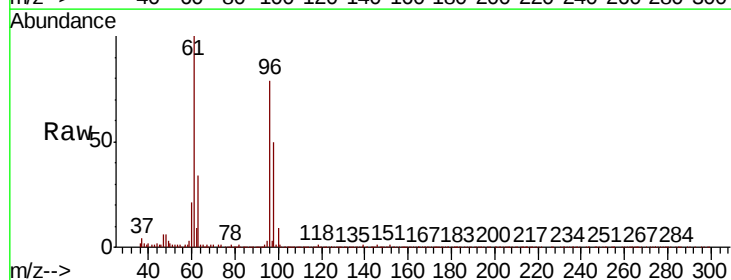
Instrument :
MSVOA_X
ClientSampleId :
BFB

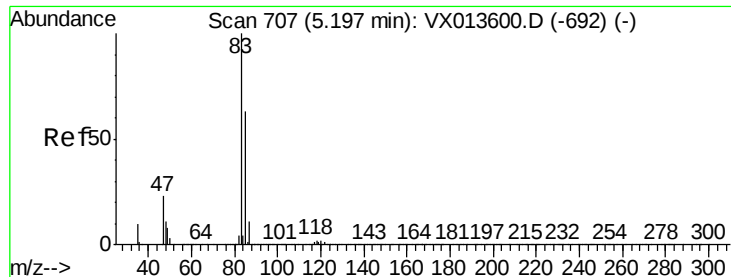
Tot Ion: 84 Resp: 1863
Ion Ratio Lower Upper
84 100
49 70.4 99.7 149.5#
51 69.4 29.9 44.9#
86 35.3 52.2 78.4#



#27
cis-1,2-Dichloroethene
Concen: 12.633 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013628.D
Acq: 27 Nov 2019 03:29

Tgt Ion: 96 Resp: 97461
Ion Ratio Lower Upper
96 100
61 125.3 0.0 286.4
98 63.2 0.0 127.4

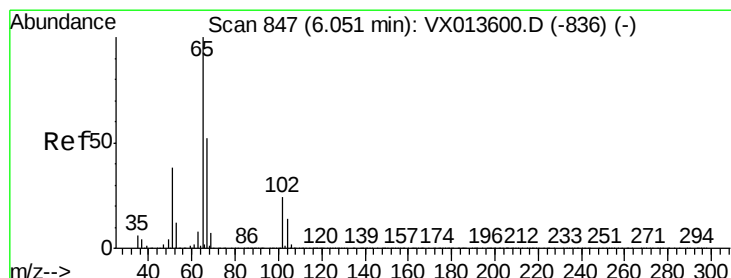
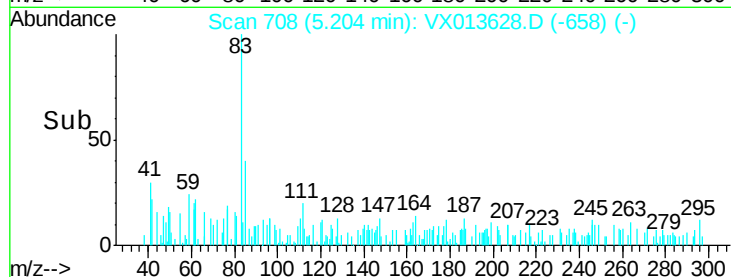
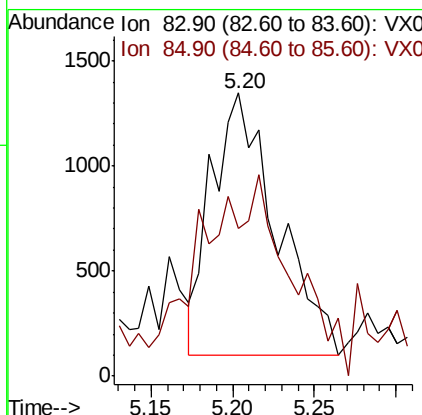
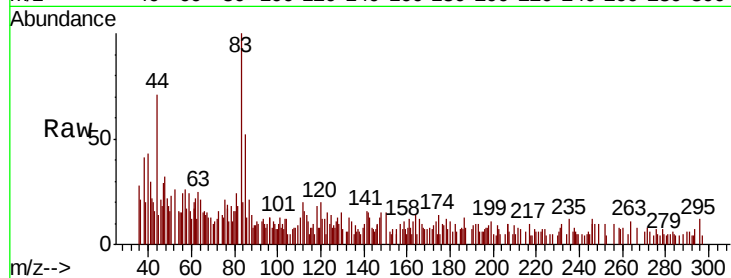




#30
Chloroform
Concen: 0.288 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013628.D
Acq: 27 Nov 2019 03:29

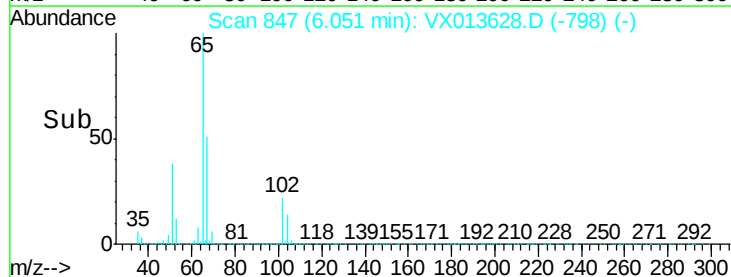
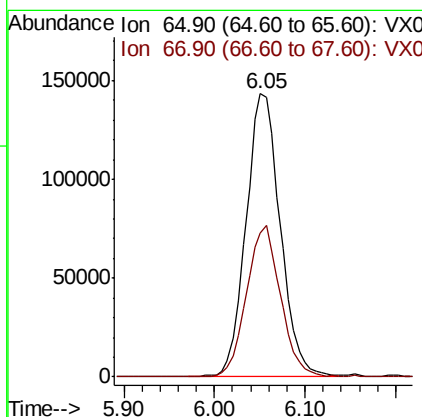
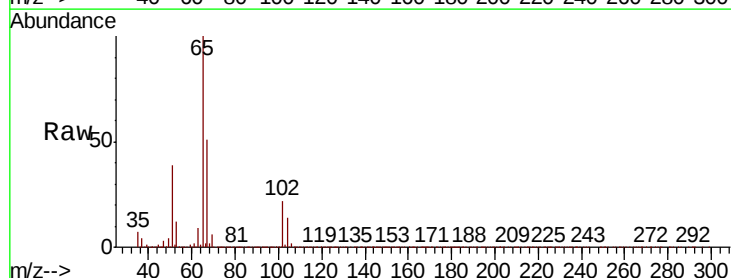
Instrument :
MSVOA_X
ClientSampled :
BFB

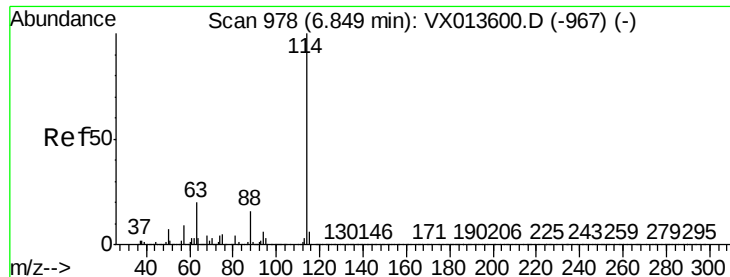
Tot Ion: 83 Resp: 3436
Ion Ratio Lower Upper
83 100
85 38.7 50.2 75.4#



#33
1,2-Dichloroethane-d4
Concen: 49.651 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013628.D
Acq: 27 Nov 2019 03:29

Tgt Ion: 65 Resp: 373437
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

Instrument :

MSVOA_X

ClientSampleId :

BFB

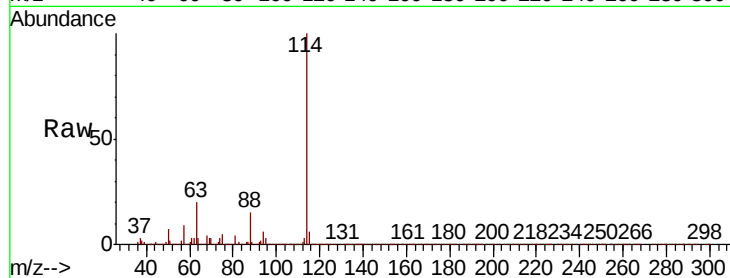
Tot Ion:114 Resp: 1040166

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

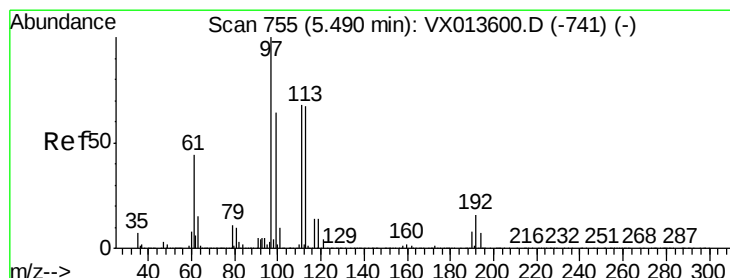
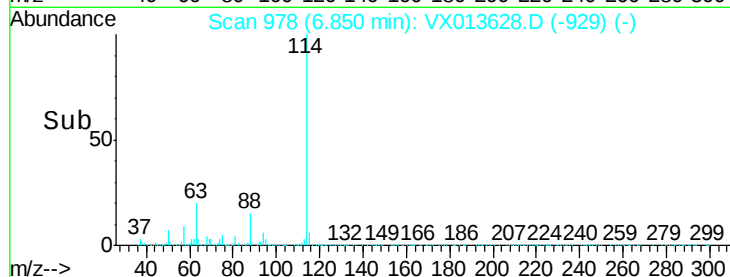
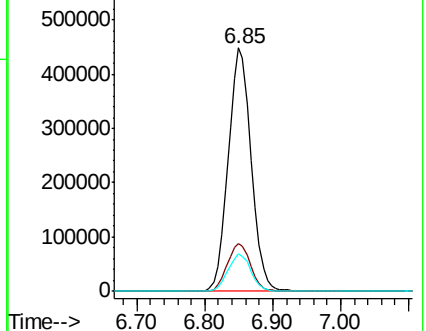
88 15.3 0.0 31.4



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: 48.878 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

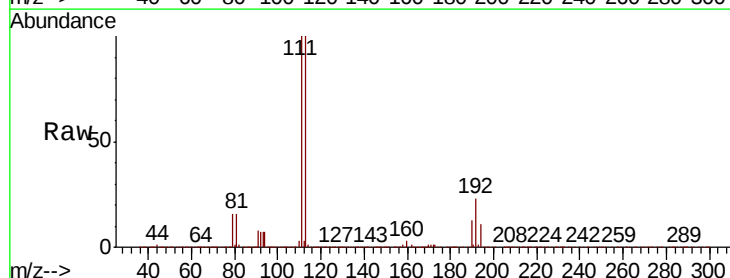
Tgt Ion:113 Resp: 314307

Ion Ratio Lower Upper

113 100

111 100.9 83.6 125.4

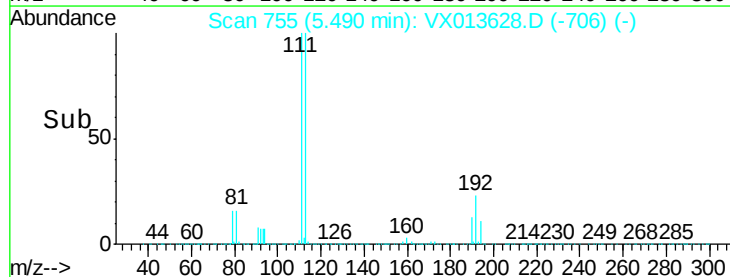
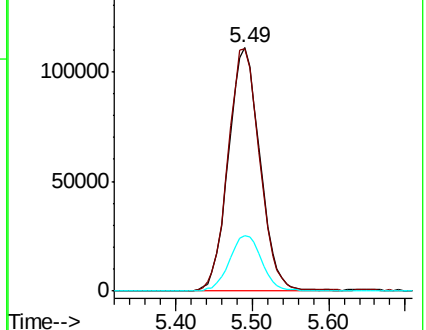
192 23.6 19.2 28.8

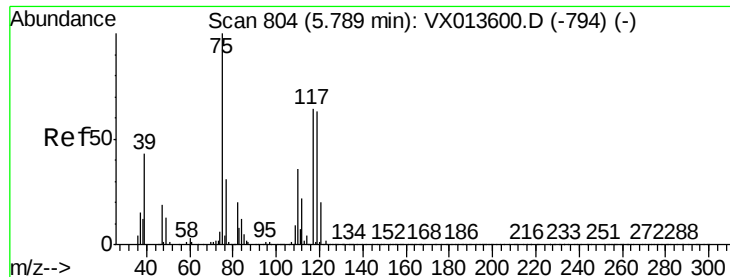


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.602 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

Instrument :

MSVOA_X

ClientSampleId :

BFB

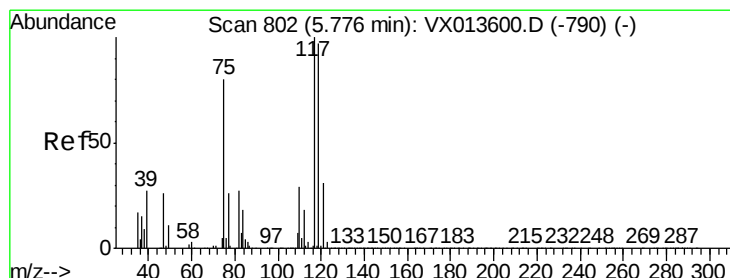
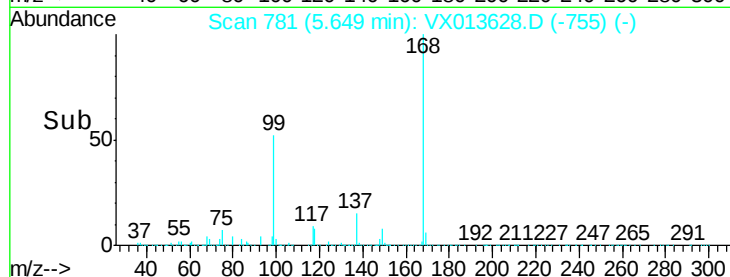
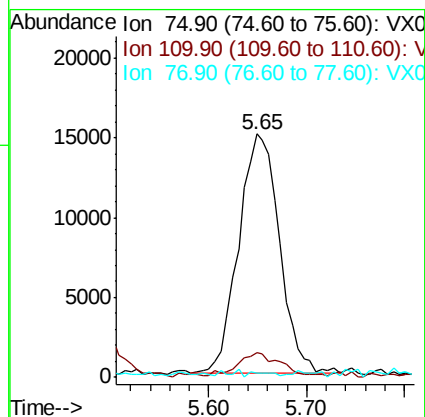
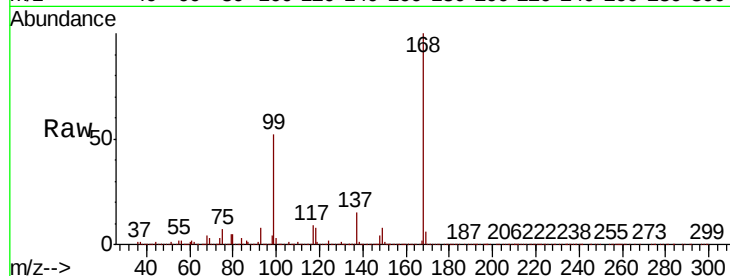
Tot Ion: 75 Resp: 43451

Ion Ratio Lower Upper

75 100

110 11.3 18.1 54.1#

77 1.3 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.481 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

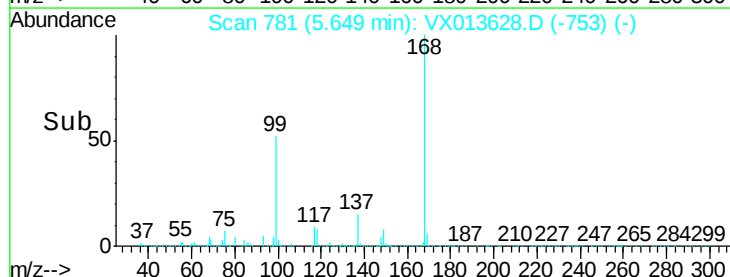
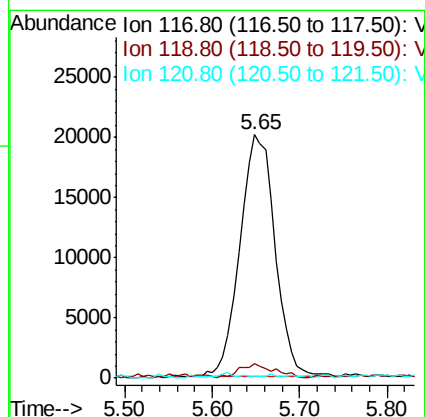
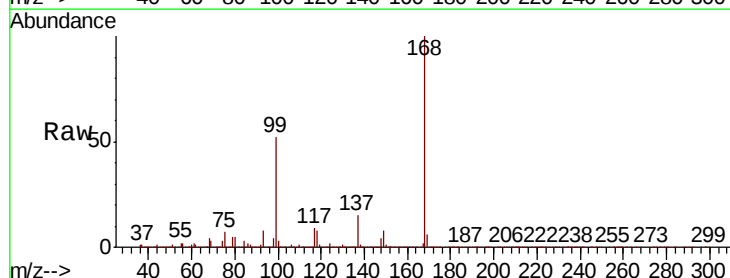
Tgt Ion: 117 Resp: 56423

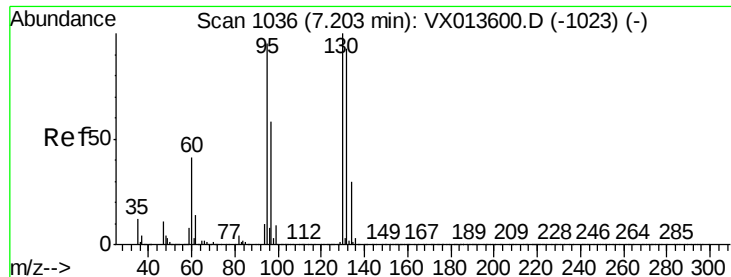
Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

121 0.0 25.0 37.6#





#44

Trichloroethene

Concen: 87.273 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

Instrument :

MSVOA_X

ClientSampleId :

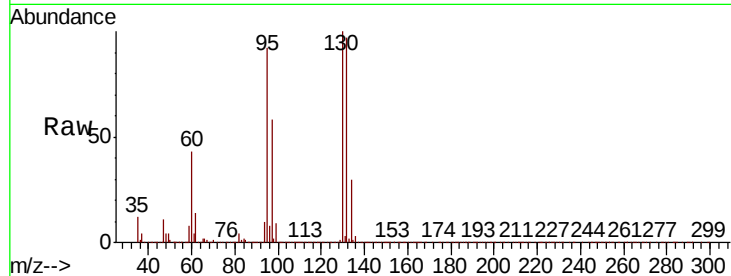
BFB

Tot Ion:130 Resp: 688793

Ion Ratio Lower Upper

130 100

95 92.4 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

300000

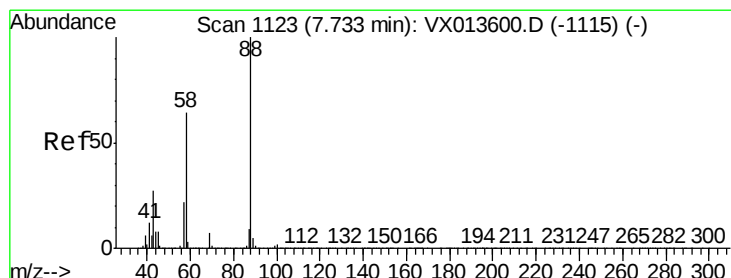
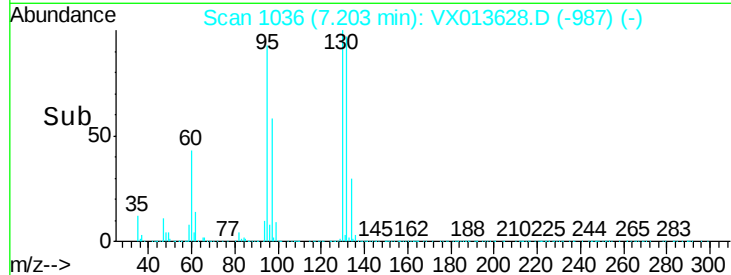
200000

100000

0

Time-->

7.10 7.20 7.30



#49

1,4-Dioxane

Concen: 1.540 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

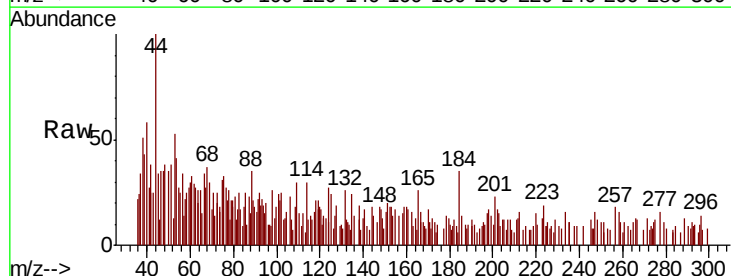
Tgt Ion: 88 Resp: 292

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 0.0 54.6 82.0#



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

600

500

400

300

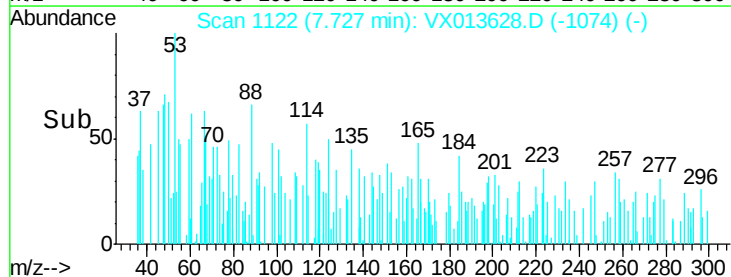
200

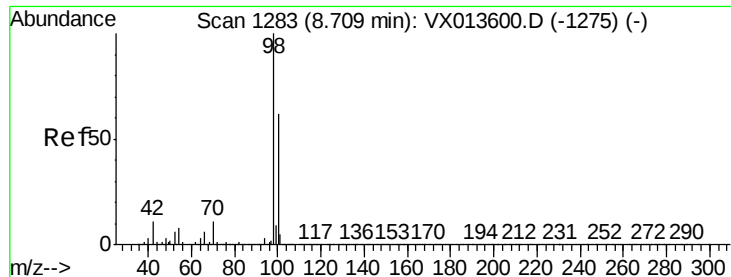
100

0

Time-->

7.72 7.73 7.74





#50

Toluene-d8

Concen: 48.858 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

Instrument :

MSVOA_X

ClientSampleId :

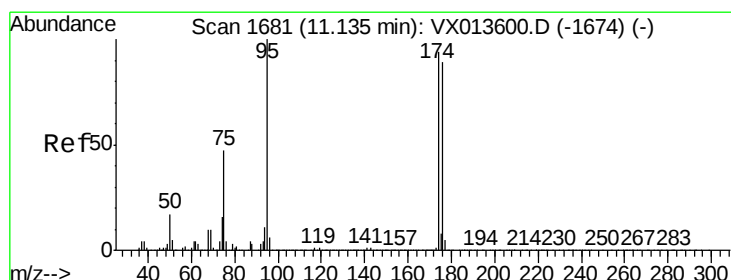
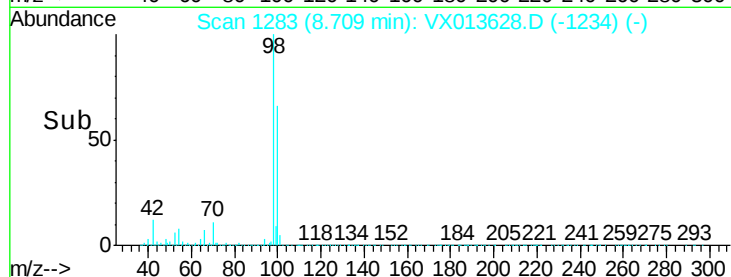
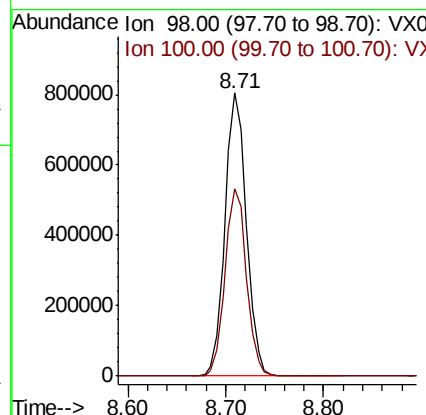
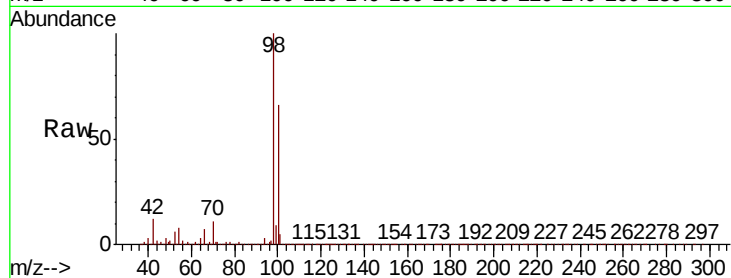
BFB

Tot Ion: 98 Resp: 1224067

Ion Ratio Lower Upper

98 100

100 66.6 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 46.068 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

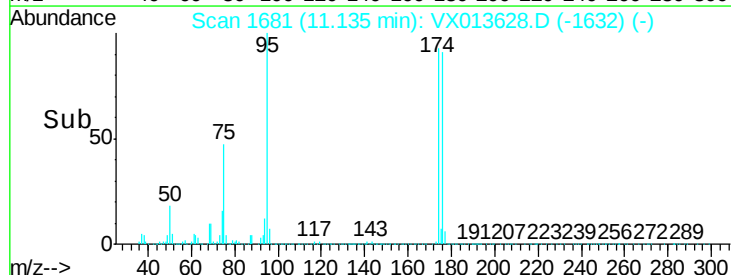
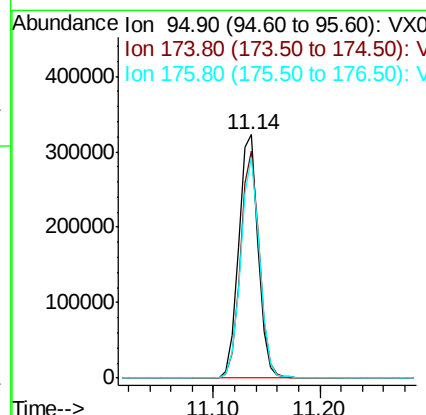
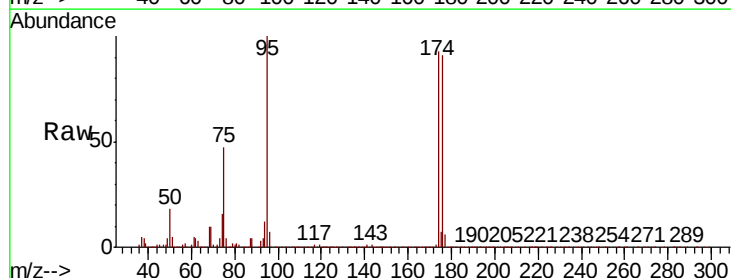
Tgt Ion: 95 Resp: 416202

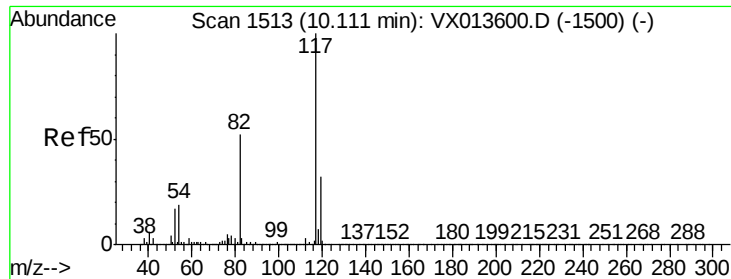
Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.0

176 87.8 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

Instrument :

MSVOA_X

ClientSampled :

BFB

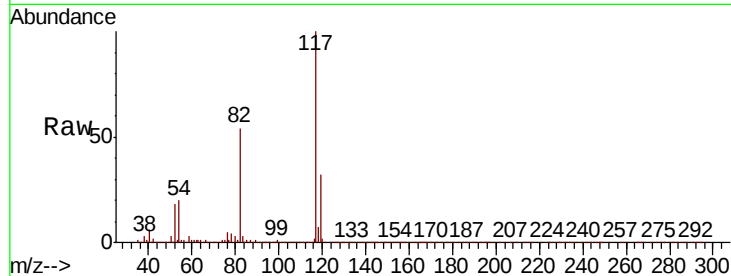
Tot Ion:117 Resp: 928055

Ion Ratio Lower Upper

117 100

82 53.9 41.8 62.8

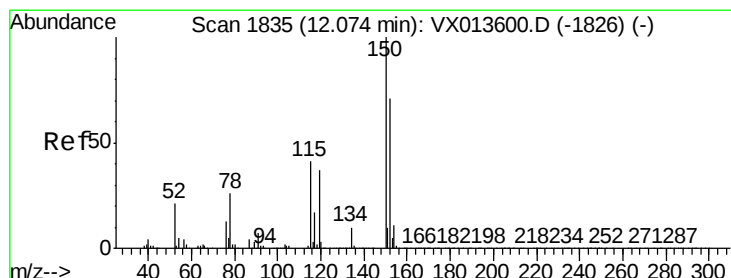
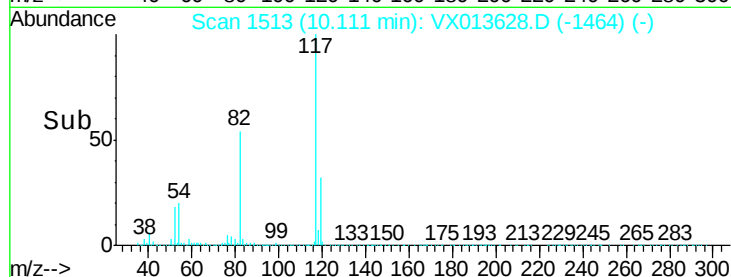
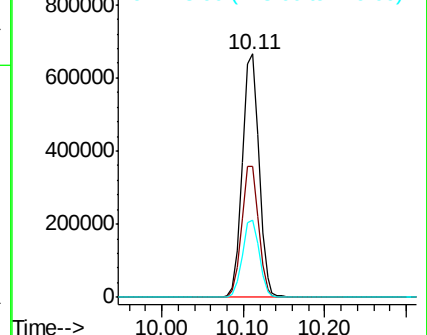
119 31.9 25.8 38.8



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

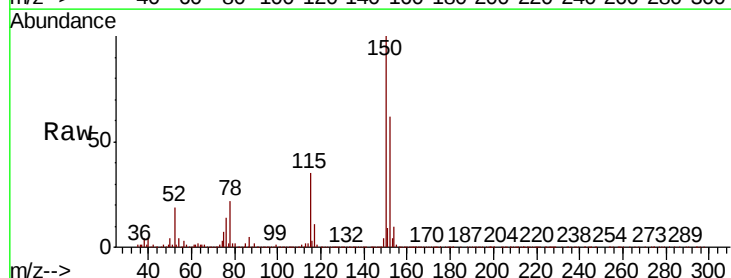
Tgt Ion:152 Resp: 414761

Ion Ratio Lower Upper

152 100

115 55.8 38.4 115.1

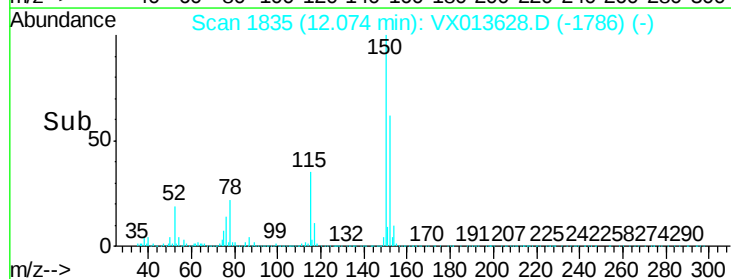
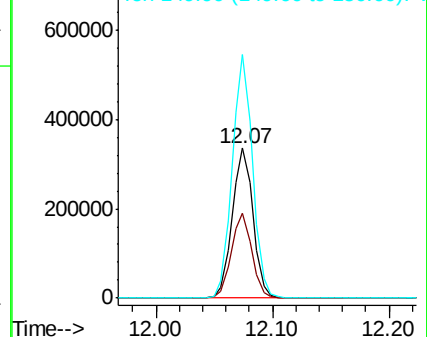
150 159.1 0.0 346.8

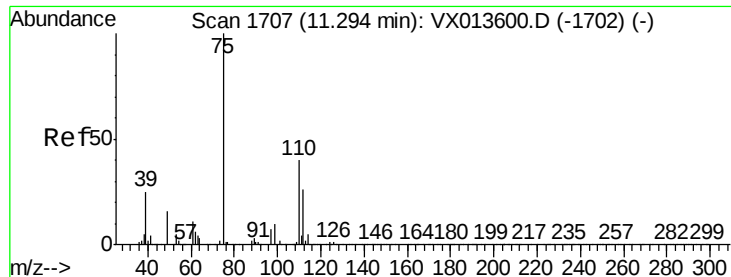


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.124 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

Instrument :

MSVOA_X

ClientSampleId :

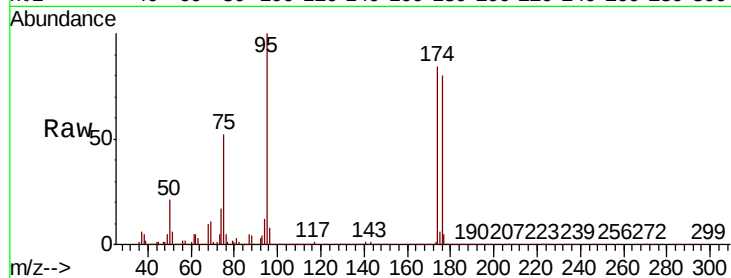
BFB

Tot Ion: 75 Resp: 206392

Ion Ratio Lower Upper

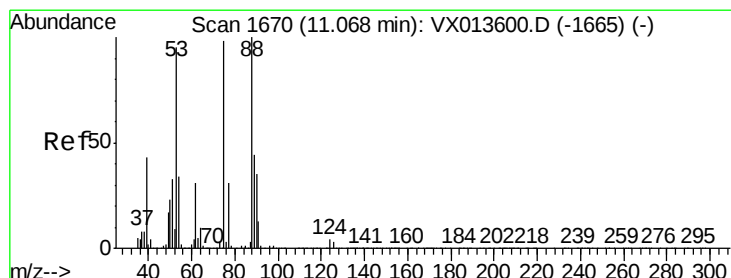
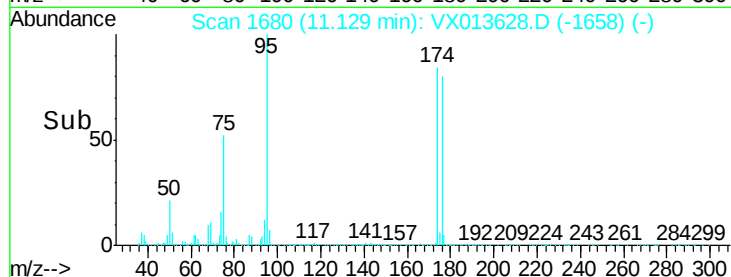
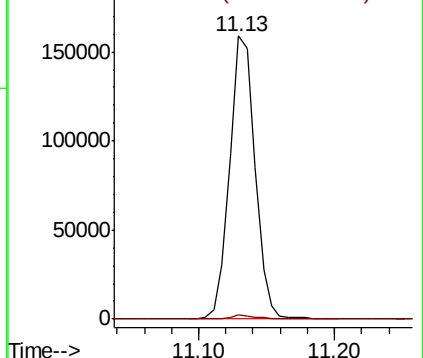
75 100

77 1.5 19.1 57.5#



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: 60.528 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013628.D

Acq: 27 Nov 2019 03:29

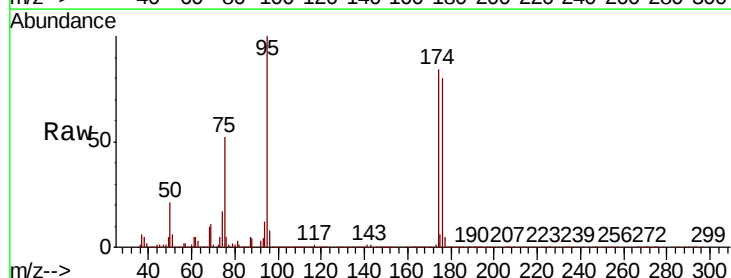
Tgt Ion: 75 Resp: 206392

Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.2#

89 0.0 35.4 53.2#



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

