

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120419\
 Data File : VX013754.D
 Acq On : 04 Dec 2019 17:03
 Operator : JC/SP
 Sample : K6079-02DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 S39-0199DL

Quant Time: Dec 05 00:57:47 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	687929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1043196	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	922509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	407980	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	371208	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	5.49	113	312645	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	8.71	98	1231190	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.14	95	411484	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	

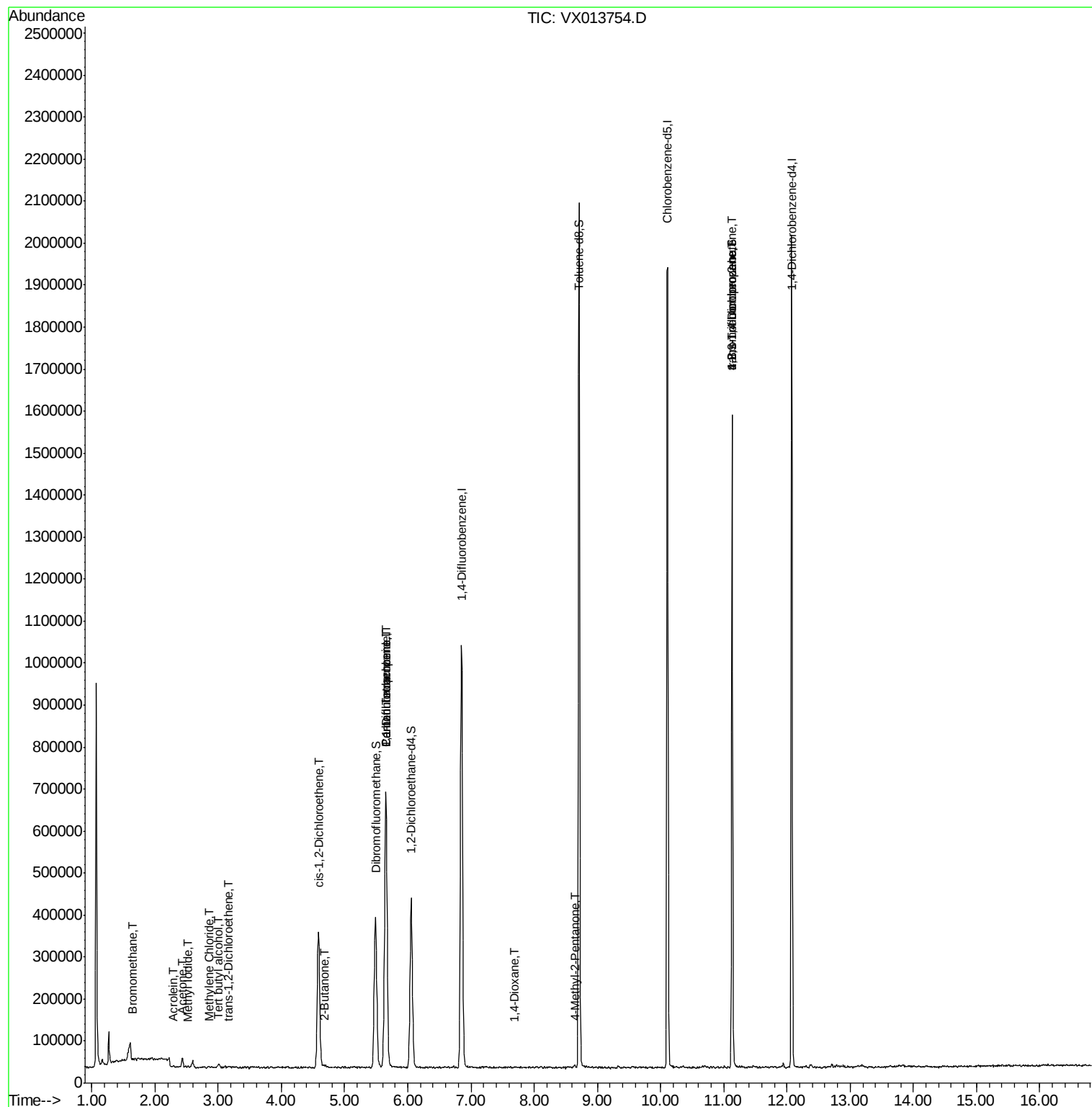
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2208	0.340	ug/l #	57
10) Methyl Iodide	2.51	142	1719	0.217	ug/l #	55
11) Tert butyl alcohol	3.01	59	7797	3.956	ug/l #	91
13) Acrolein	2.30	56	405	6.304	ug/l	87
16) Acetone	2.44	43	24164	6.129	ug/l	94
20) Methylene Chloride	2.85	84	2124	0.280	ug/l #	57
21) trans-1,2-Dichloroethene	3.16	96	1956	0.274	ug/l	87
25) 2-Butanone	4.69	43	6989	1.193	ug/l #	81
27) cis-1,2-Dichloroethene	4.59	96	208296	25.432	ug/l	89
36) 1,1-Dichloropropene	5.65	75	46404	4.900	ug/l #	52
38) Carbon Tetrachloride	5.65	117	61182	7.007	ug/l #	15
49) 1,4-Dioxane	7.70	88	340	1.787	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	5484	0.498	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	200791	21.882	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	200791	59.865	ug/l #	11

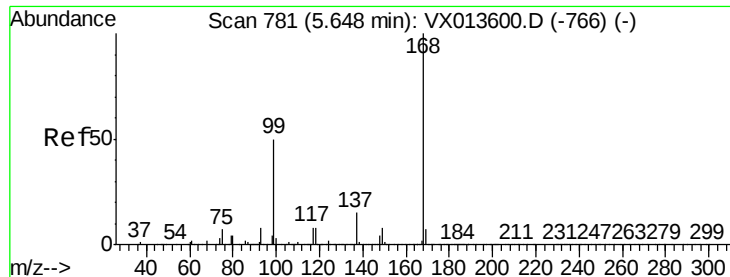
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120419\
Data File : VX013754.D
Acq On : 04 Dec 2019 17:03
Operator : JC/SP
Sample : K6079-02DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S39-0199DL

Quant Time: Dec 05 00:57:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
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: VX013754.D

Acq: 04 Dec 2019 17:03

Instrument :

MSVOA_X

ClientSampled :

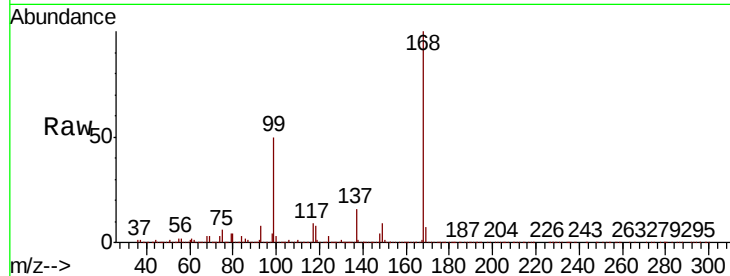
S39-0199DL

Tot Ion:168 Resp: 687929

Ion Ratio Lower Upper

168 100

99 50.0 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

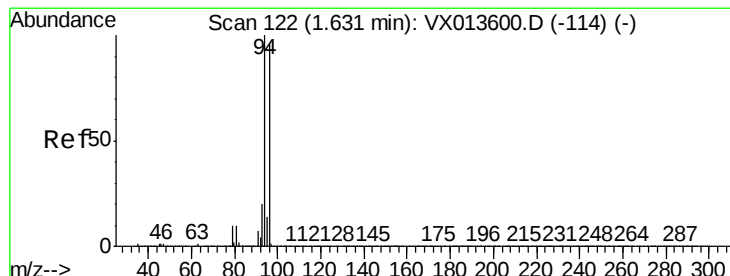
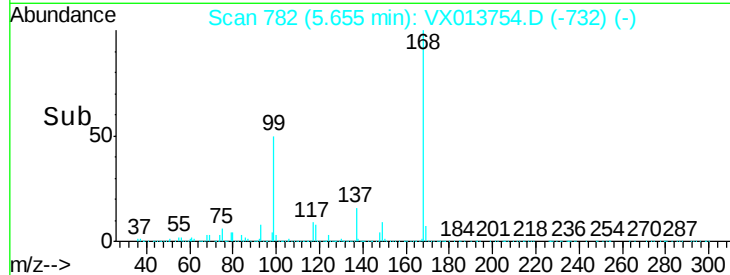
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.340 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013754.D

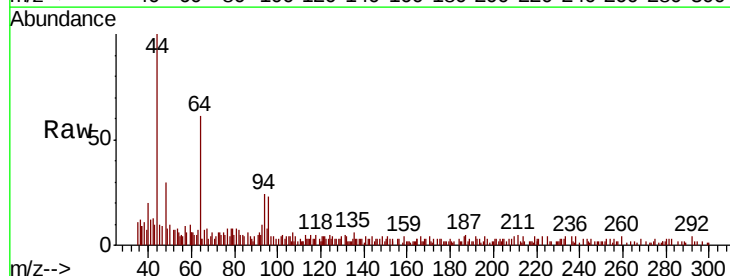
Acq: 04 Dec 2019 17:03

Tgt Ion: 94 Resp: 2208

Ion Ratio Lower Upper

94 100

96 54.5 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

600

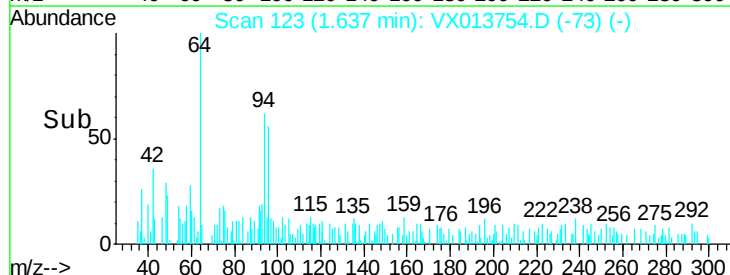
400

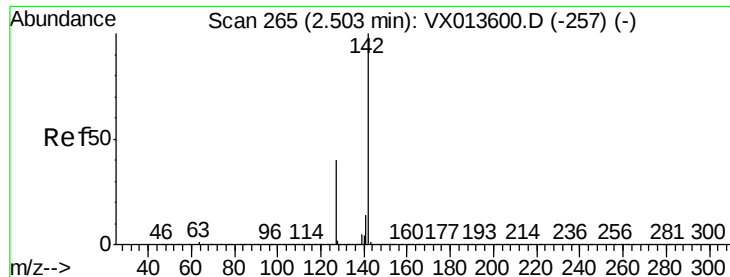
200

0

Time-->

1.55 1.60 1.65 1.70

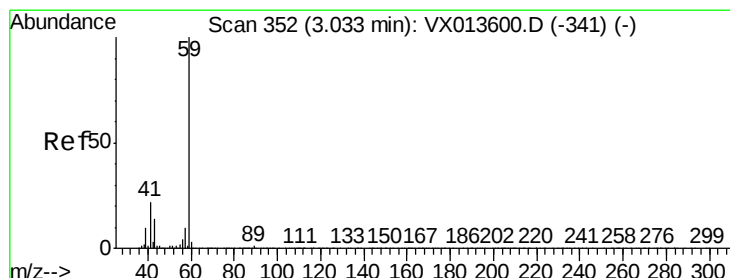
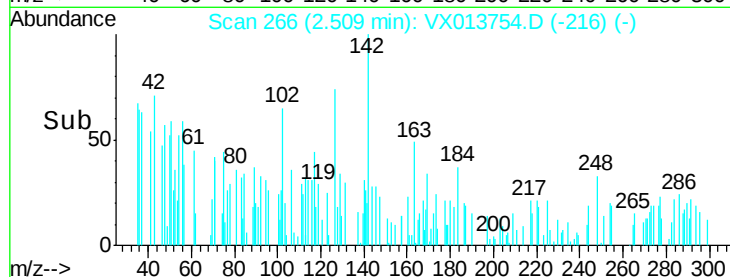
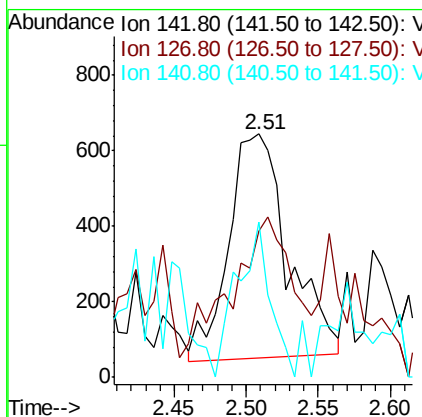
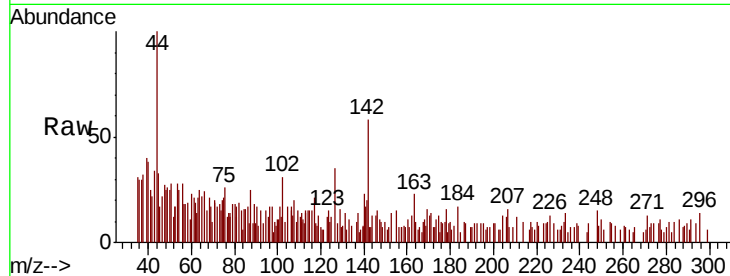




#10
Methvl Iodide
Concen: 0.217 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013754.D
Acq: 04 Dec 2019 17:03

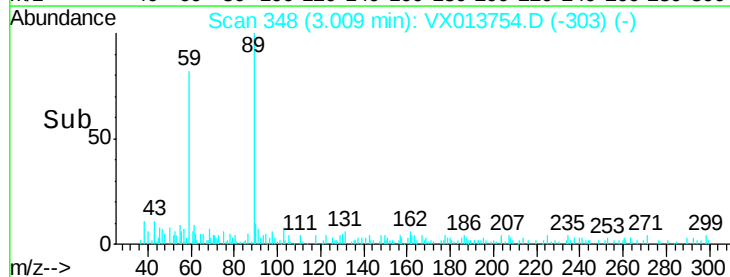
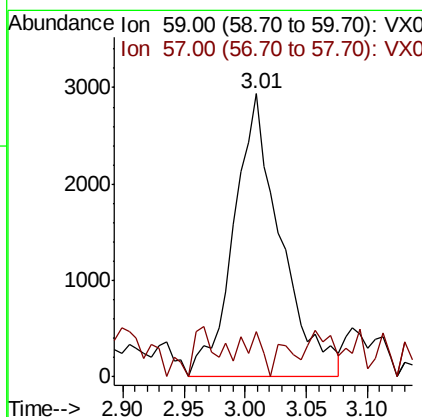
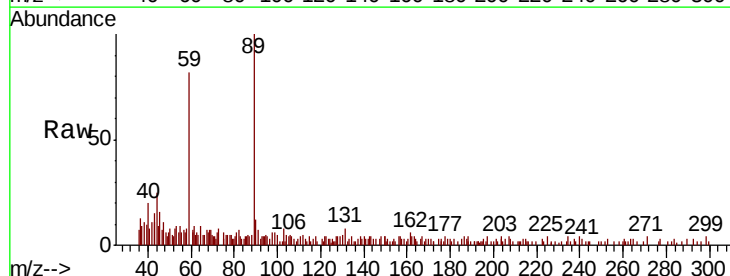
Instrument :
MSVOA_X
ClientSampled :
S39-0199DL

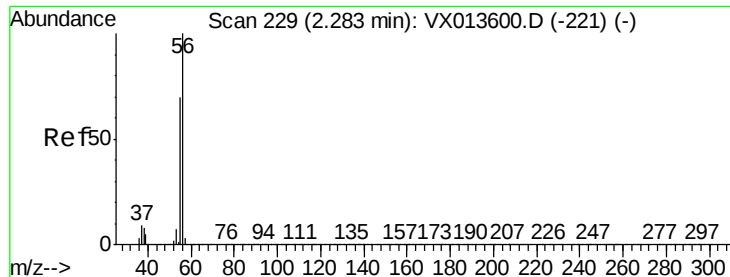
Tot Ion:142 Resp: 1719
Ion Ratio Lower Upper
142 100
127 62.7 31.0 46.4#
141 38.7 11.6 17.4#



#11
Tert butyl alcohol
Concen: 3.956 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013754.D
Acq: 04 Dec 2019 17:03

Tgt Ion: 59 Resp: 7797
Ion Ratio Lower Upper
59 100
57 6.5 7.8 11.6#

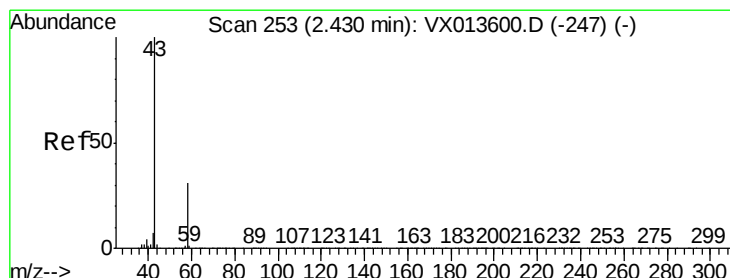
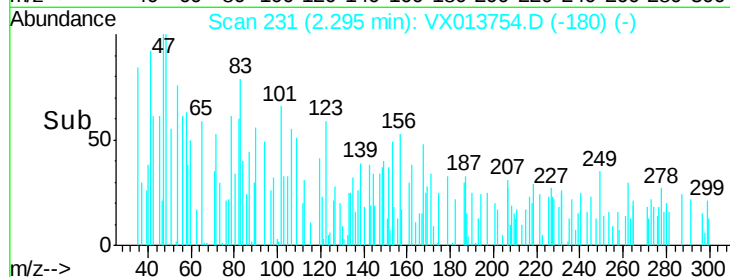
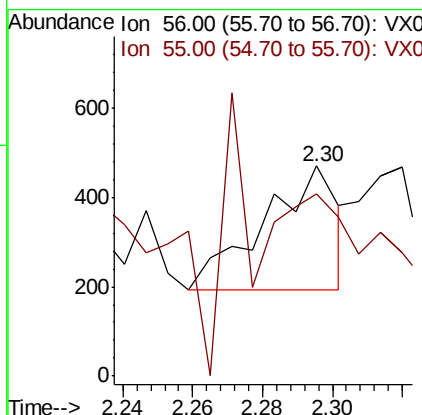
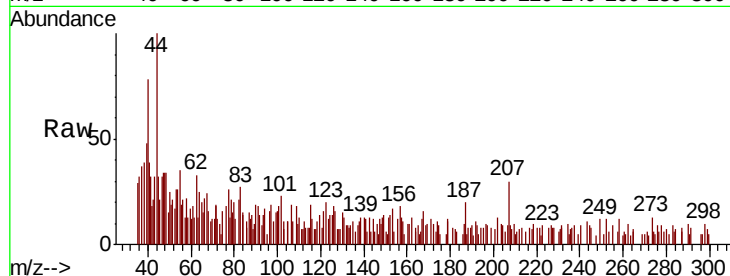




#13
Acrolein
Concen: 6.304 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX013754.D
Acq: 04 Dec 2019 17:03

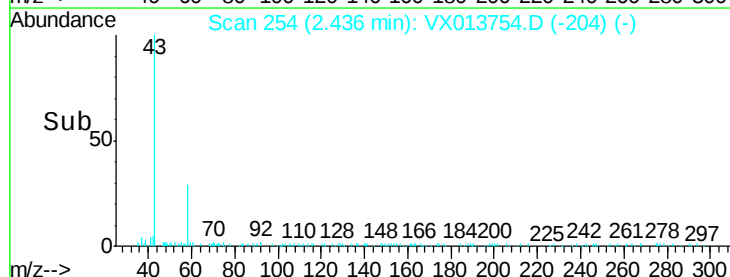
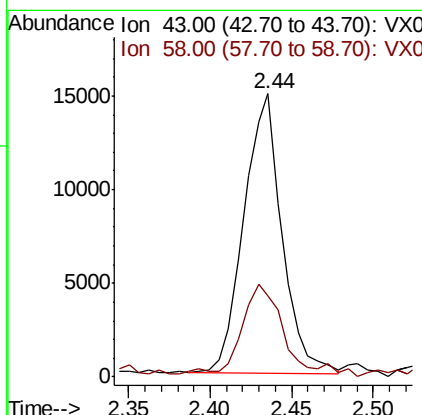
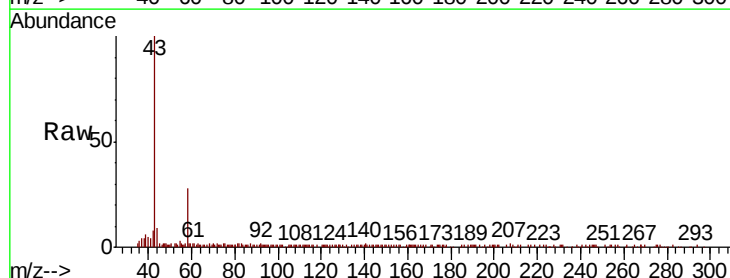
Instrument :
MSVOA_X
ClientSampleID :
S39-0199DL

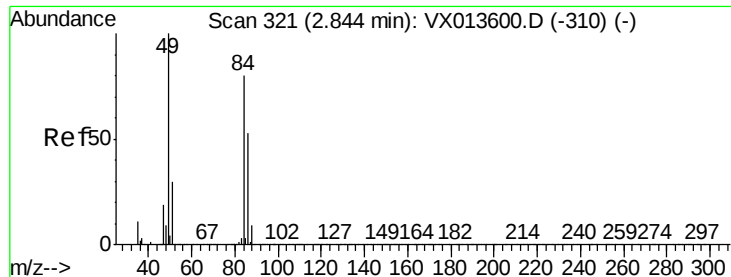
Tot Ion: 56 Resp: 405
Ion Ratio Lower Upper
56 100
55 59.3 56.2 84.4



#16
Acetone
Concen: 6.129 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013754.D
Acq: 04 Dec 2019 17:03

Tgt Ion: 43 Resp: 24164
Ion Ratio Lower Upper
43 100
58 27.6 24.6 36.8

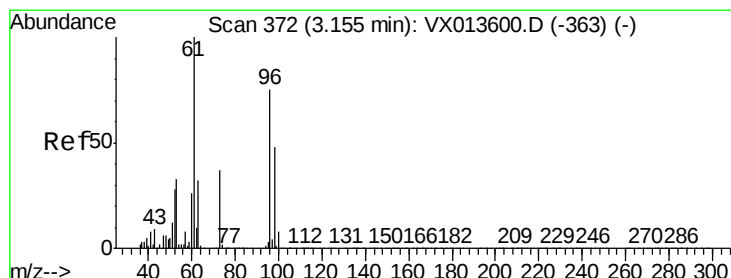
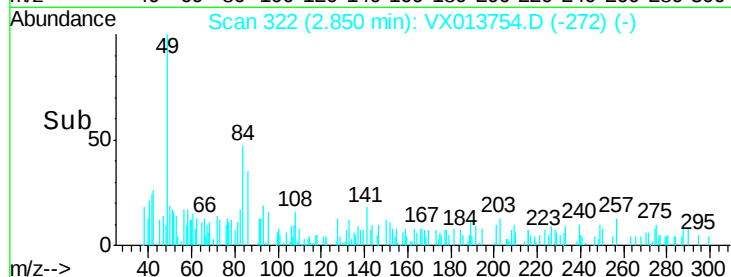
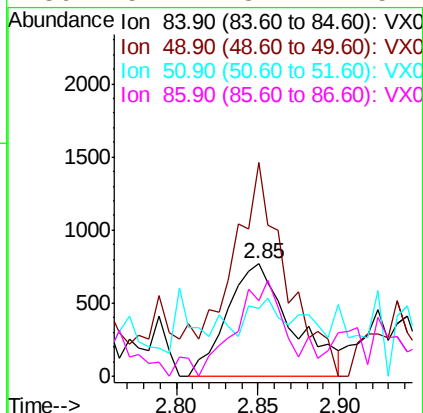
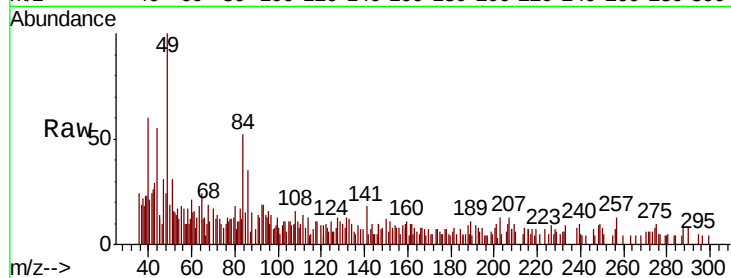




#20
Methvlene Chloride
Concen: 0.280 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013754.D
Acq: 04 Dec 2019 17:03

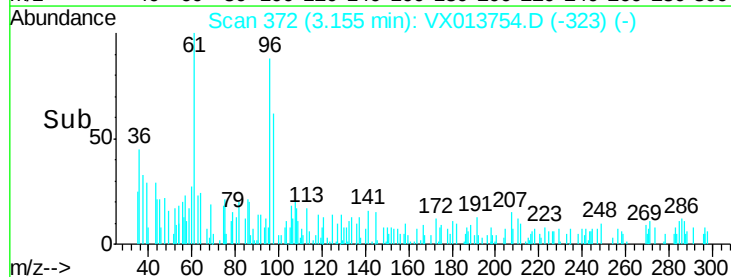
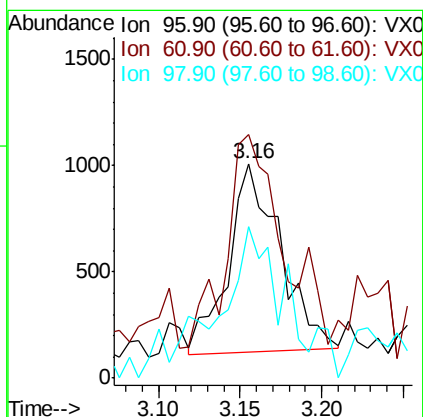
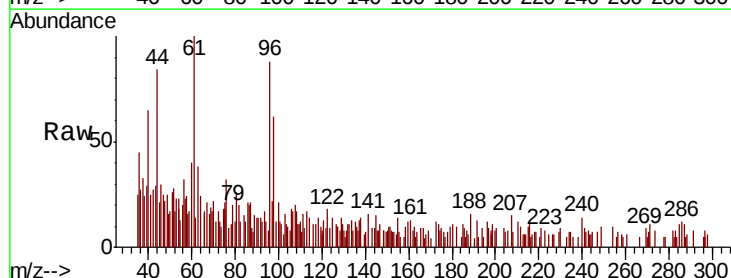
Instrument :
MSVOA_X
ClientSampled :
S39-0199DL

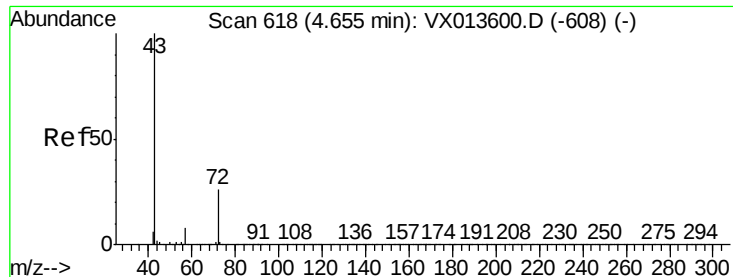
Tot Ion: 84 Resp: 2124
Ion Ratio Lower Upper
84 100
49 190.5 99.7 149.5#
51 16.8 29.9 44.9#
86 51.2 52.2 78.4#



#21
trans-1,2-Dichloroethene
Concen: 0.274 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX013754.D
Acq: 04 Dec 2019 17:03

Tgt Ion: 96 Resp: 1956
Ion Ratio Lower Upper
96 100
61 115.7 107.2 160.8
98 59.0 51.4 77.0





#25

2-Butanone

Concen: 1.193 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

Instrument :

MSVOA_X

ClientSampled :

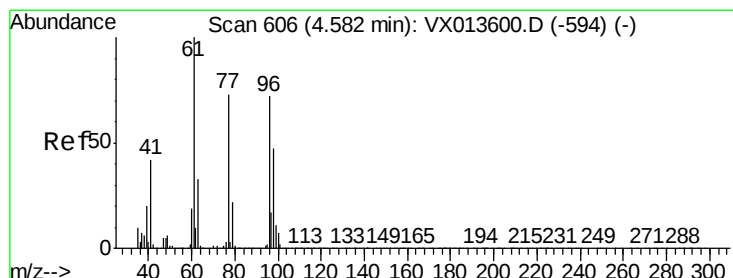
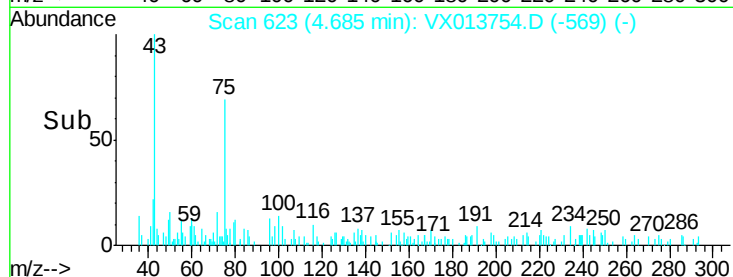
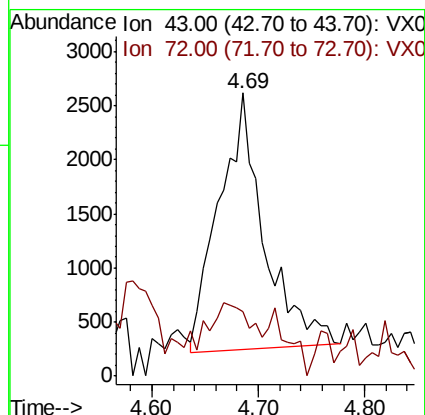
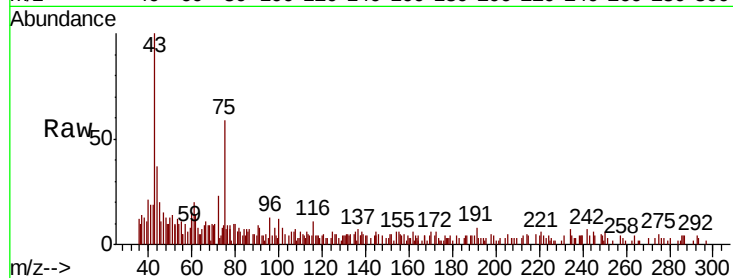
S39-0199DL

Tot Ion: 43 Resp: 6989

Ion Ratio Lower Upper

43 100

72 16.0 20.6 31.0#



#27

cis-1,2-Dichloroethene

Concen: 25.432 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

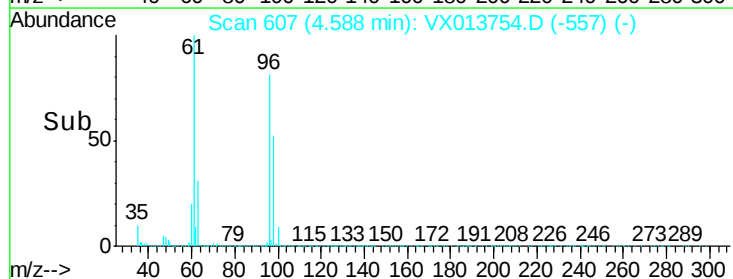
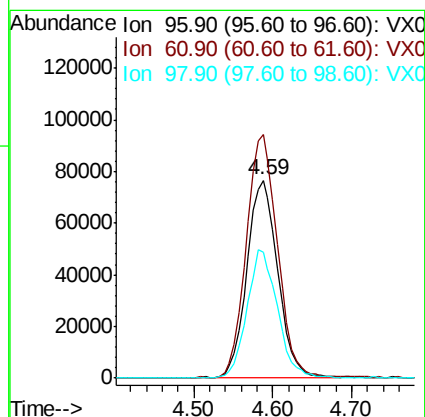
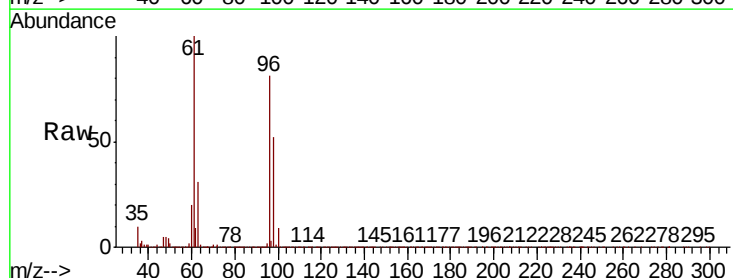
Tgt Ion: 96 Resp: 208296

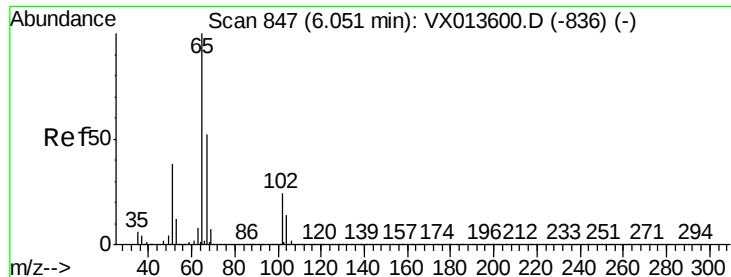
Ion Ratio Lower Upper

96 100

61 123.9 0.0 286.4

98 63.6 0.0 127.4





#33

1,2-Dichloroethane-d4

Concen: 46.486 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

Instrument :

MSVOA_X

ClientSampleID :

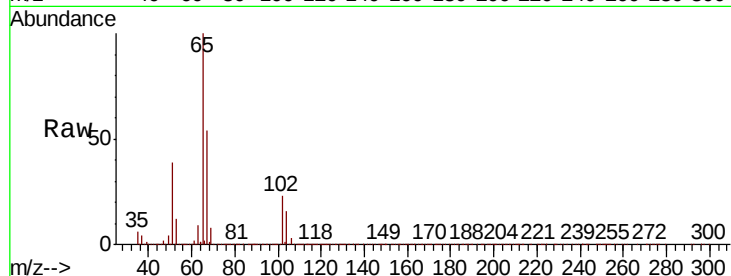
S39-0199DL

Tot Ion: 65 Resp: 371208

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

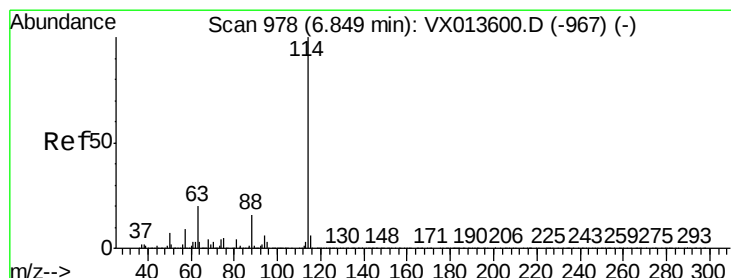
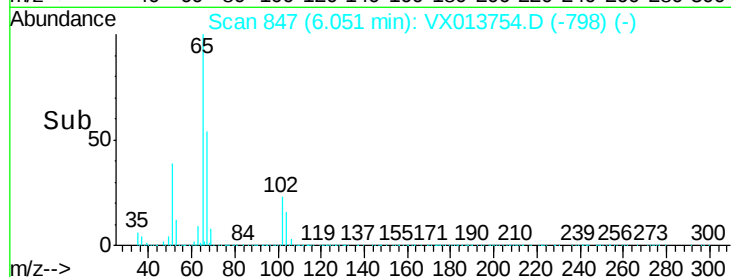
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

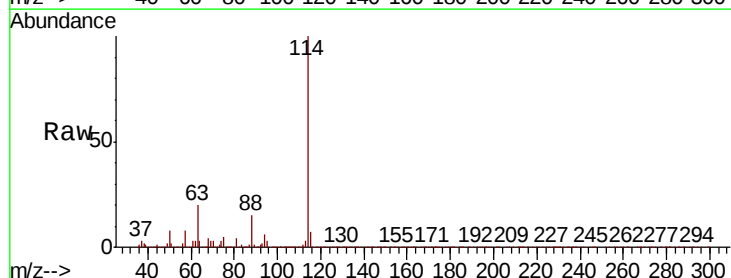
Tgt Ion: 114 Resp: 1043196

Ion Ratio Lower Upper

114 100

63 20.2 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

6.85

600000

500000

400000

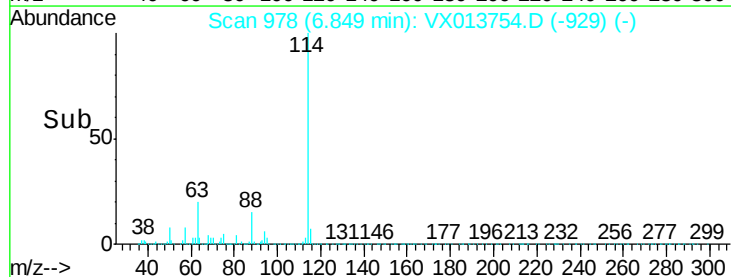
300000

200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.478 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

S39-0199DL

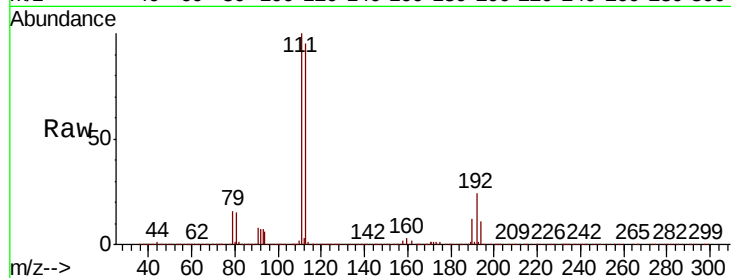
Tot Ion:113 Resp: 312645

Ion Ratio Lower Upper

113 100

111 103.0 83.6 125.4

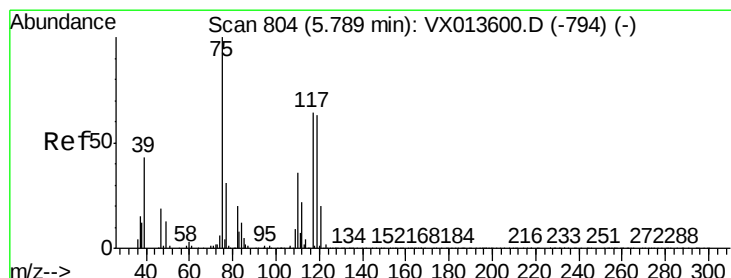
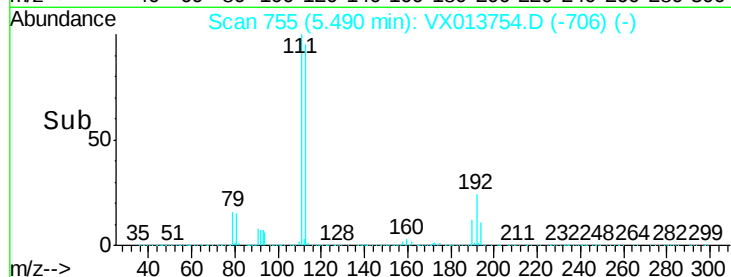
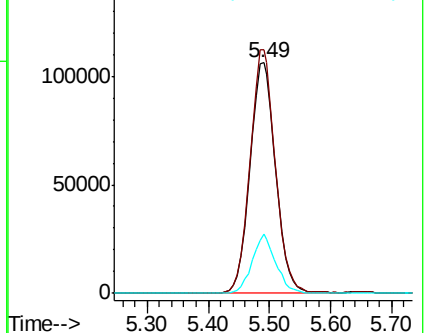
192 23.7 19.2 28.8



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: 4.900 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

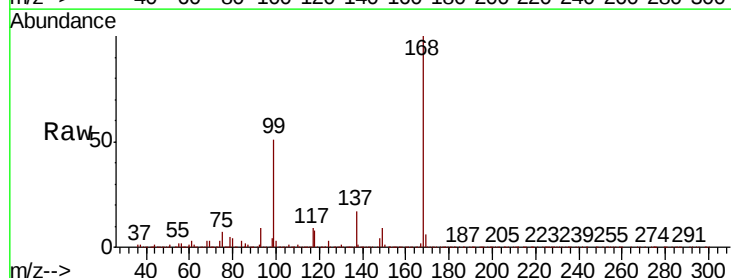
Tgt Ion: 75 Resp: 46404

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

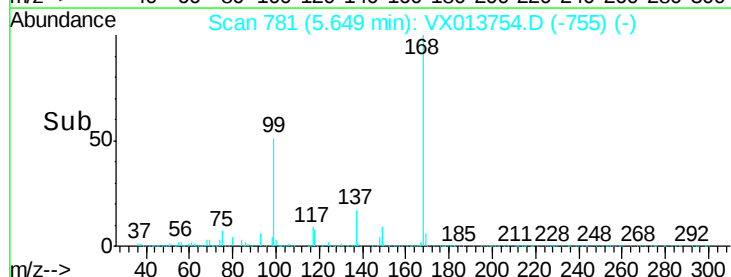
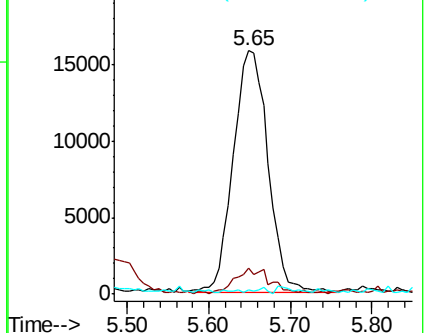
77 1.1 24.5 36.7#

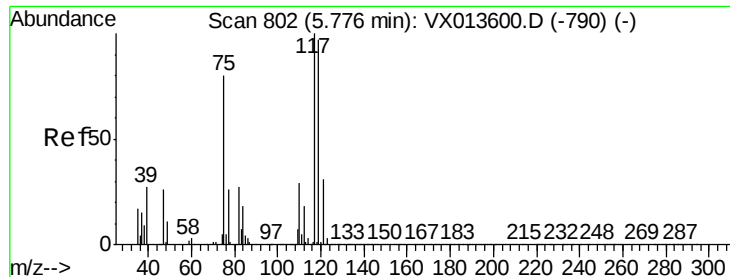


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.007 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

Instrument :

MSVOA_X

ClientSampled :

S39-0199DL

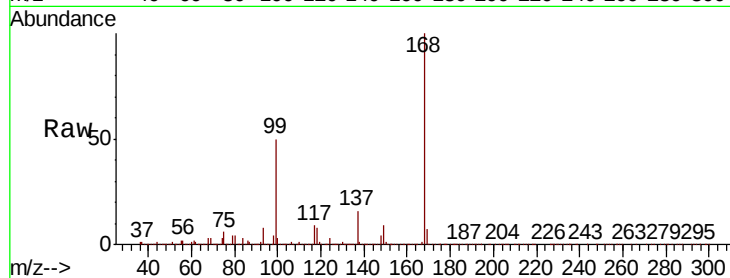
Tot Ion:117 Resp: 61182

Ion Ratio Lower Upper

117 100

119 5.0 77.5 116.3#

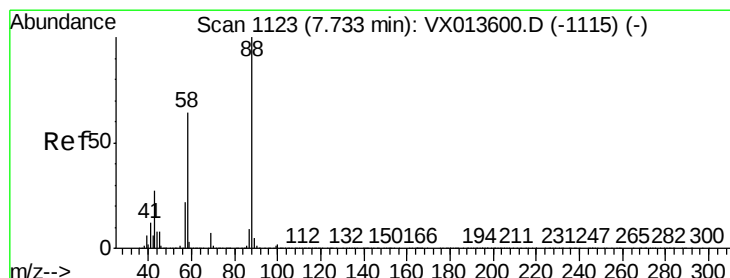
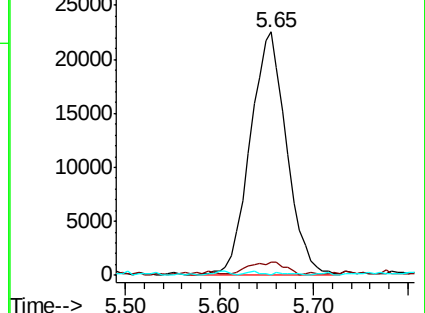
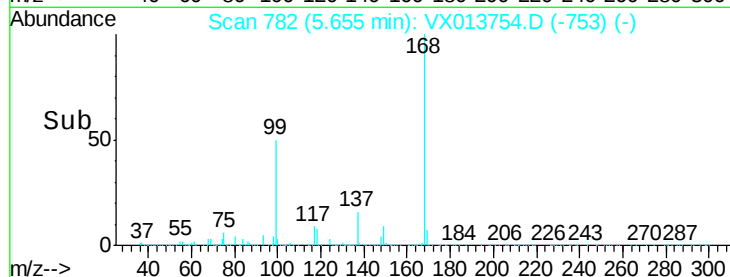
121 0.0 25.0 37.6#



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



#49

1,4-Dioxane

Concen: 1.787 ug/l

RT: 7.70 min Scan# 1117

Delta R.T. -0.04 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

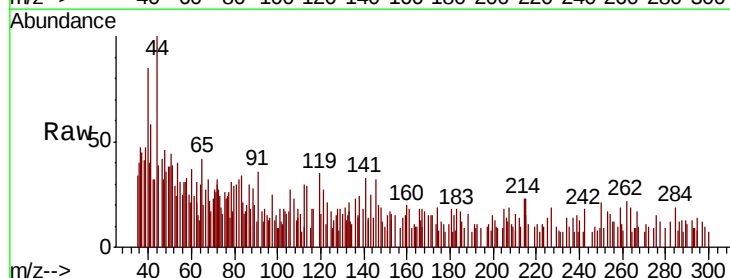
Tgt Ion: 88 Resp: 340

Ion Ratio Lower Upper

88 100

43 203.2 25.8 38.6#

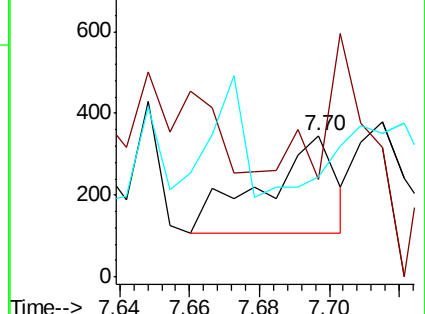
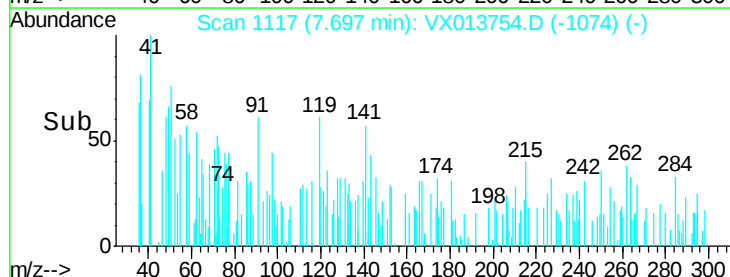
58 0.0 54.6 82.0#

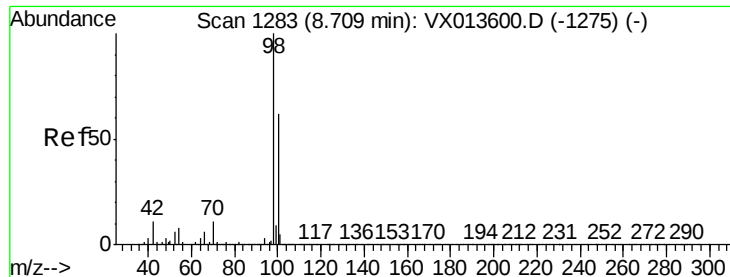


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.999 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

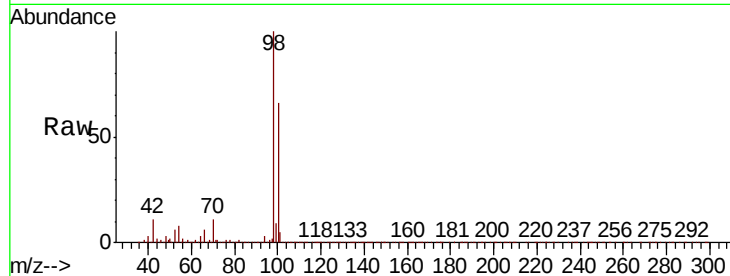
S39-0199DL

Tot Ion: 98 Resp: 1231190

Ion Ratio Lower Upper

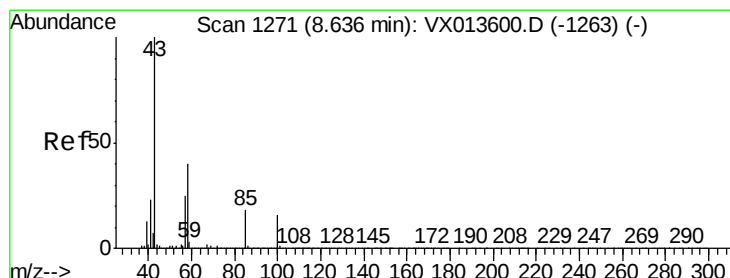
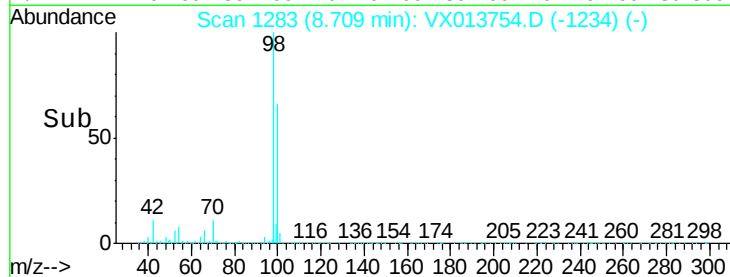
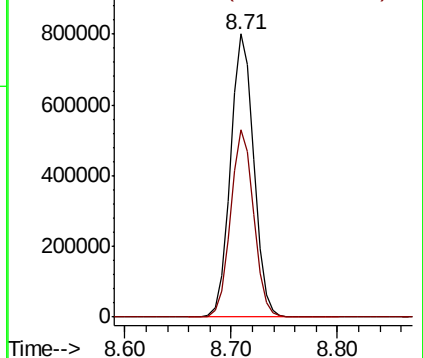
98 100

100 65.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.498 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX013754.D

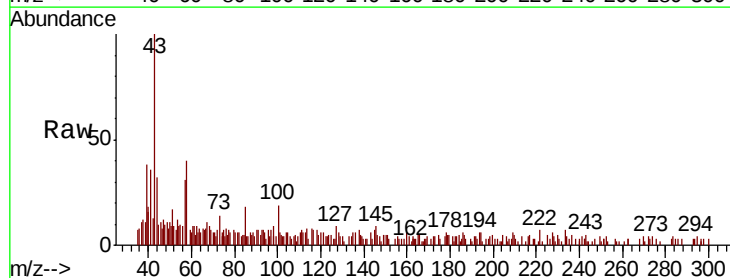
Acq: 04 Dec 2019 17:03

Tgt Ion: 43 Resp: 5484

Ion Ratio Lower Upper

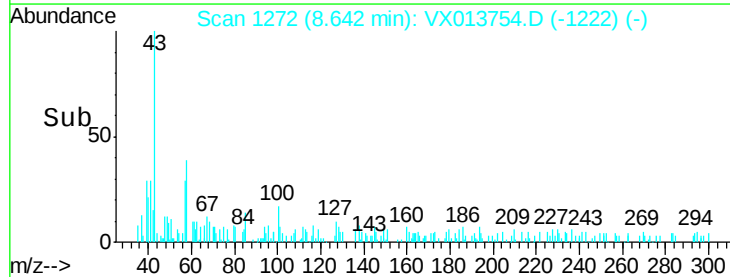
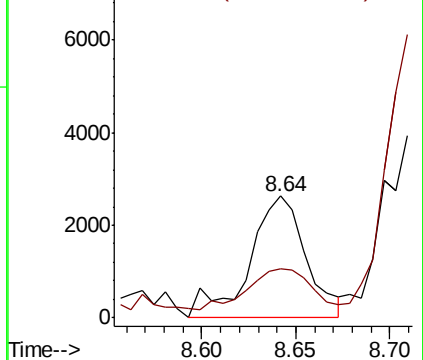
43 100

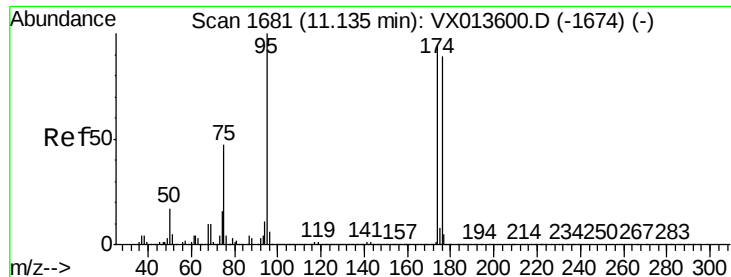
58 37.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.414 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

S39-0199DL

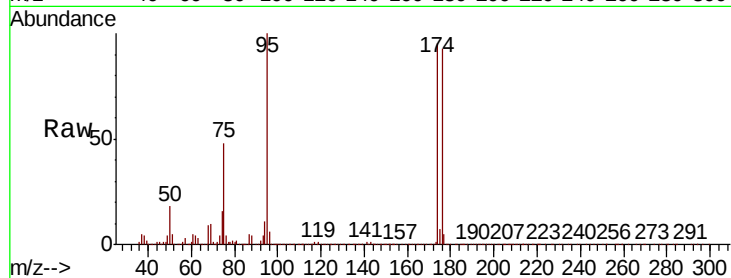
Tot Ion: 95 Resp: 411484

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.0

176 87.8 0.0 173.6

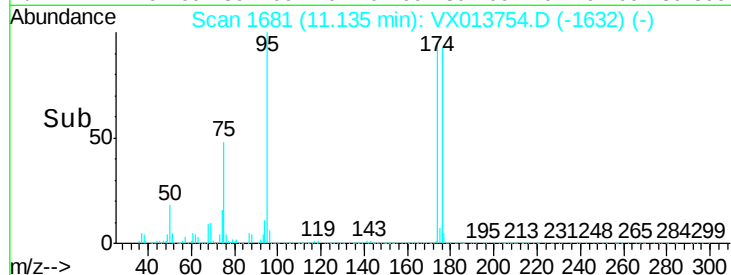


Abundance Ion 94.90 (94.60 to 95.60): VX013754.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013754.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013754.D (-1674) (-)

Time-->



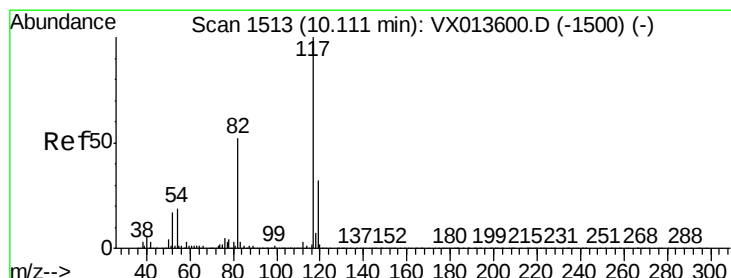
Abundance

Ion 94.90 (94.60 to 95.60): VX013754.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013754.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013754.D (-1674) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

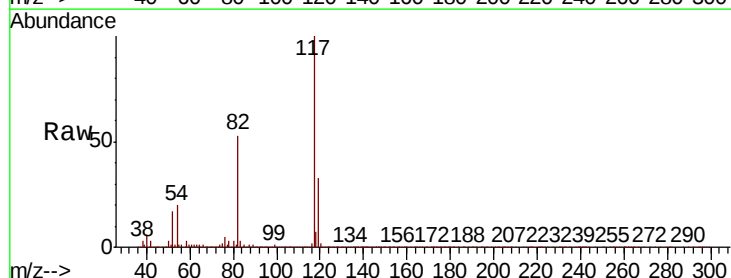
Tgt Ion: 117 Resp: 922509

Ion Ratio Lower Upper

117 100

82 52.6 41.8 62.8

119 33.0 25.8 38.8

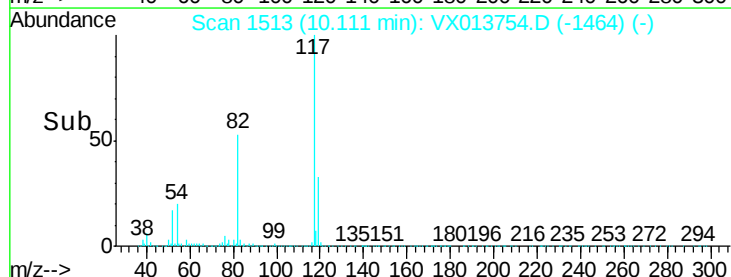


Abundance Ion 116.90 (116.60 to 117.60): VX013754.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013754.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013754.D (-1464) (-)

Time-->



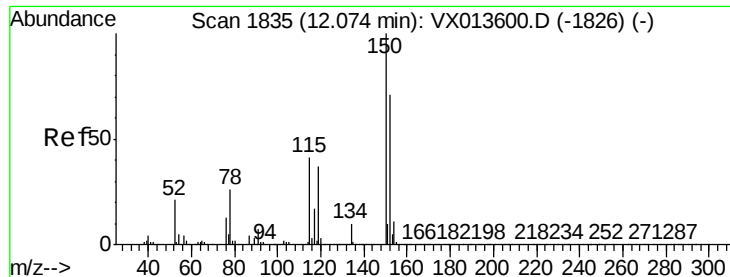
Abundance

Ion 116.90 (116.60 to 117.60): VX013754.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013754.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013754.D (-1464) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

Instrument :

MSVOA_X

ClientSampled :

S39-0199DL

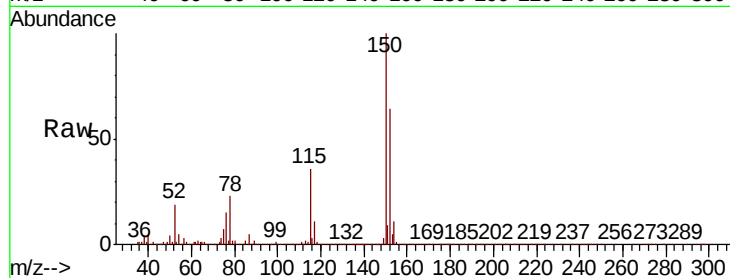
Tot Ion:152 Resp: 407980

Ion Ratio Lower Upper

152 100

115 54.9 38.4 115.1

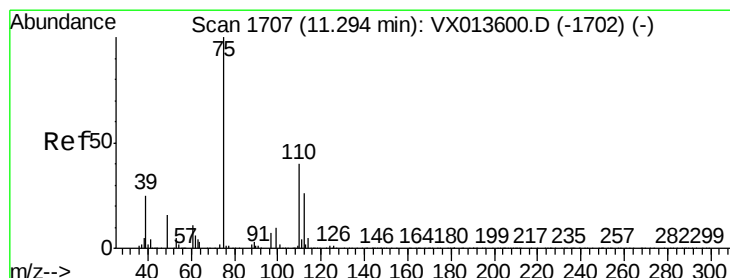
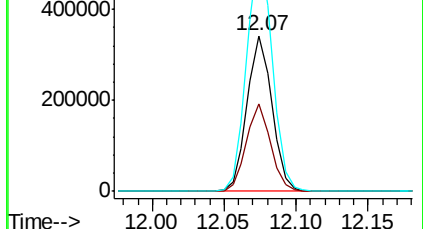
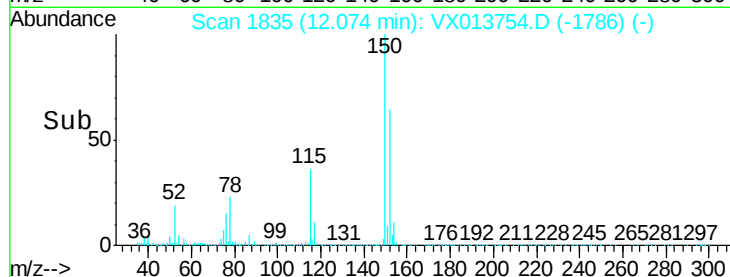
150 156.6 0.0 346.8



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: 21.882 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013754.D

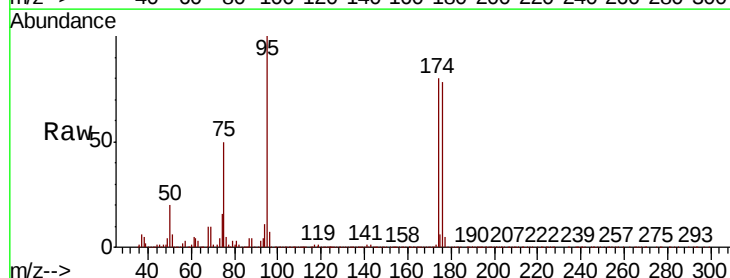
Acq: 04 Dec 2019 17:03

Tgt Ion: 75 Resp: 200791

Ion Ratio Lower Upper

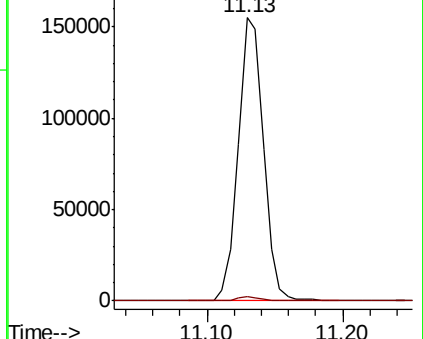
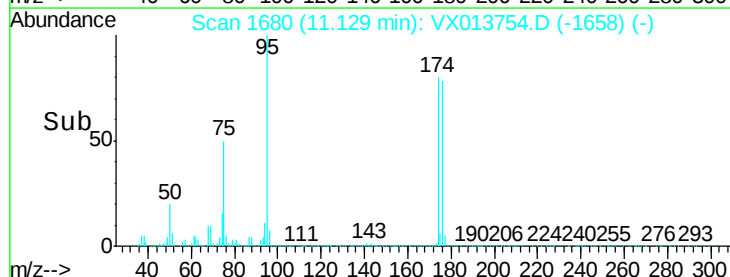
75 100

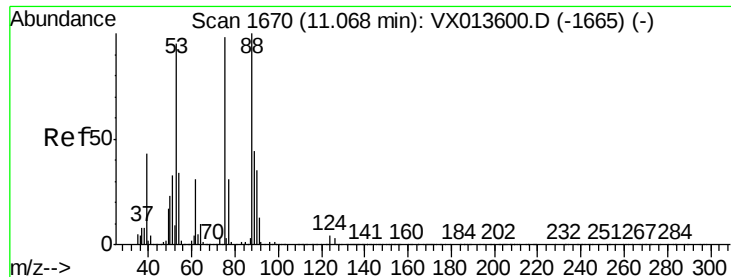
77 1.2 19.1 57.5#



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: 59.865 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013754.D

Acq: 04 Dec 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

S39-0199DL

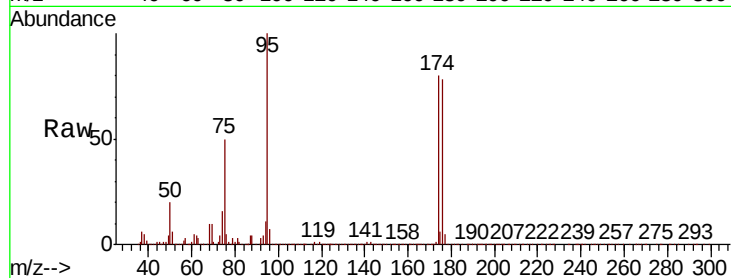
Tot Ion: 75 Resp: 200791

Ion Ratio Lower Upper

75 100

53 0.5 78.2 117.2#

89 0.1 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

