

Data File : VL034350.D
Acq On : 24 Oct 2019 17:31
Operator : SY/AP
Sample : K5477-02DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Quant Time: Oct 25 01:34:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1019532	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2221681	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.14	117	2197892	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1773480	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

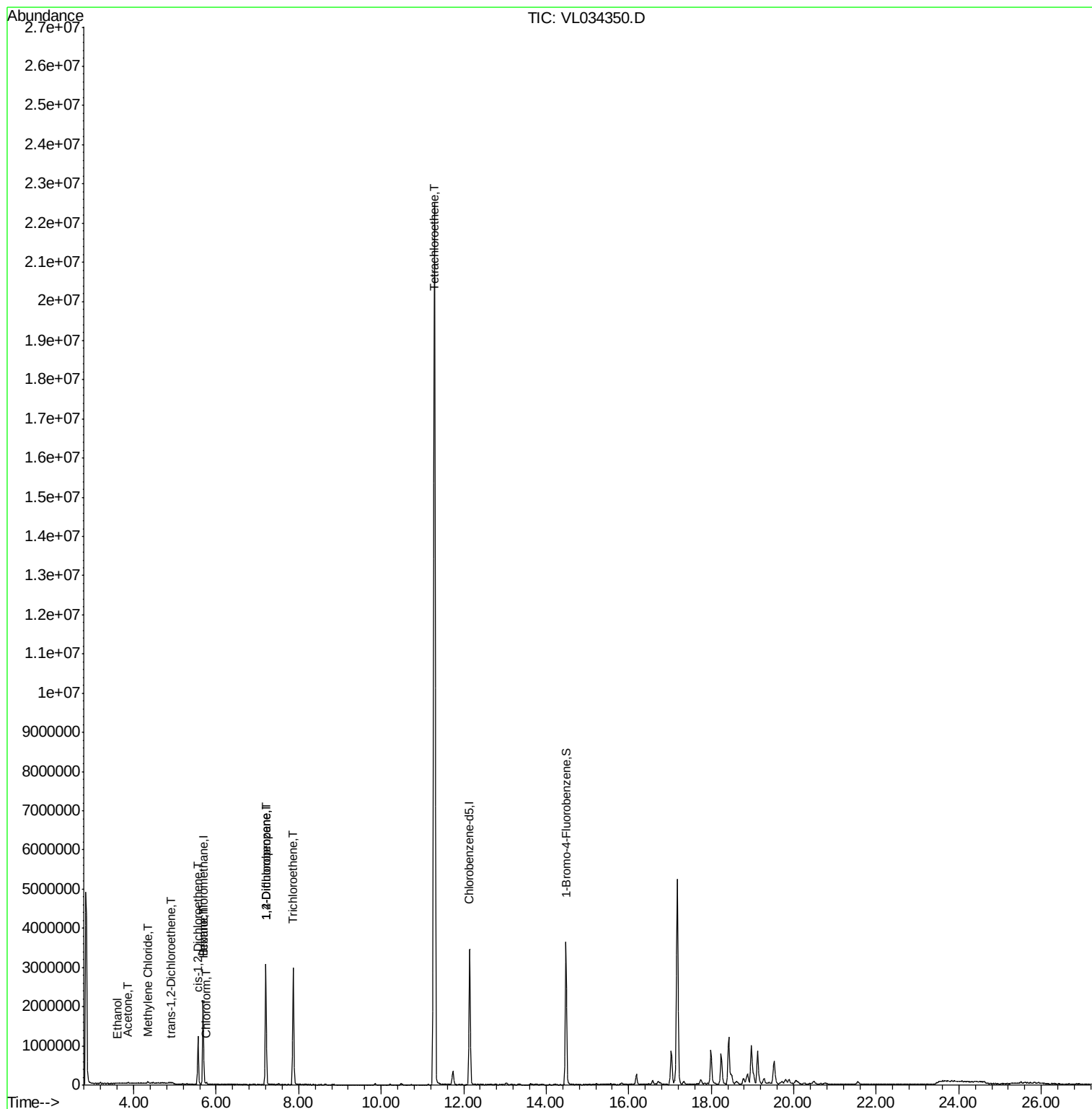
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.60	45	580	0.049	ppbv #	36
15) Acetone	3.86	43	30700	0.211	ppbv #	75
20) Methylene Chloride	4.34	84	5287	0.100	ppbv #	78
22) trans-1,2-Dichloroethene	4.89	96	1701	0.036	ppbv #	12
26) Hexane	5.69	57	3366	0.032	ppbv #	1
29) Chloroform	5.76	83	19461	0.117	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	688397	6.464	ppbv	91
38) Trichloroethene	7.87	130	926603	10.833	ppbv	96
39) 1,2-Dichloropropane	7.20	63	597185	6.506	ppbv #	21
52) Tetrachloroethene	11.29	164	7217833	86.384	ppbv	91

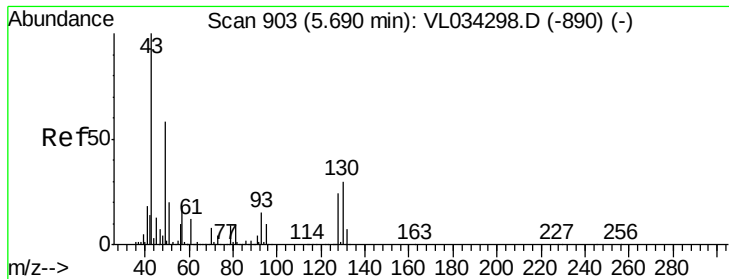
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

SV6DL

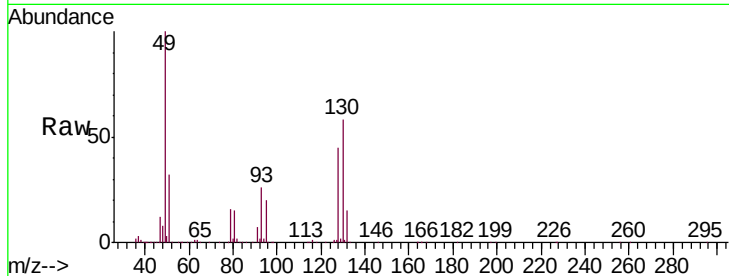
Tgt Ion: 49 Resp: 1019532

Ion Ratio Lower Upper

49 100

128 46.4 20.6 61.8

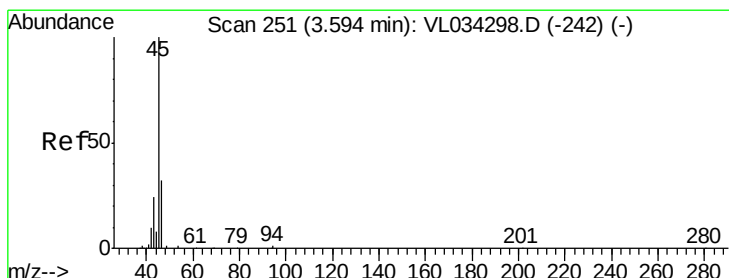
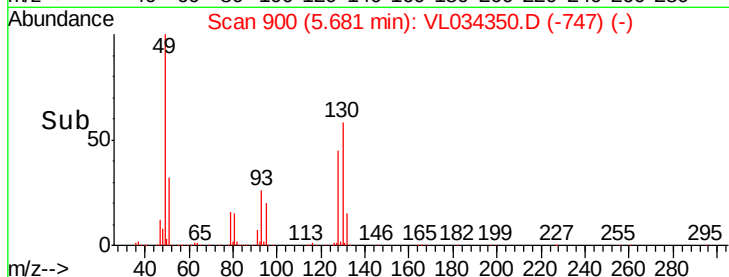
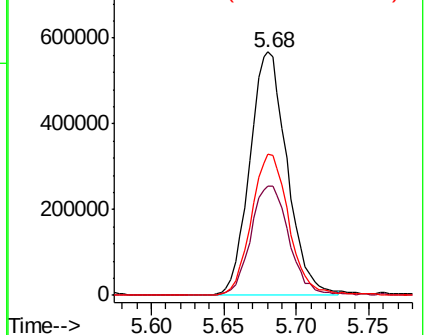
130 58.6 26.2 78.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.049 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL034350.D

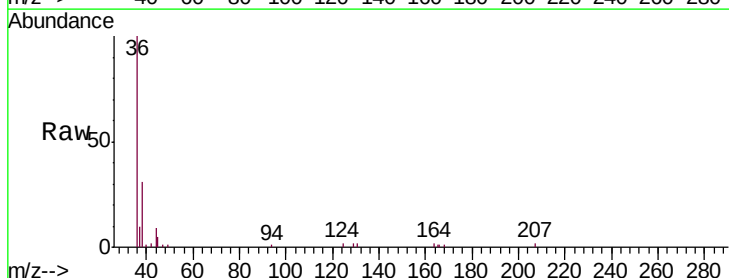
Acq: 24 Oct 2019 17:31

Tgt Ion: 45 Resp: 580

Ion Ratio Lower Upper

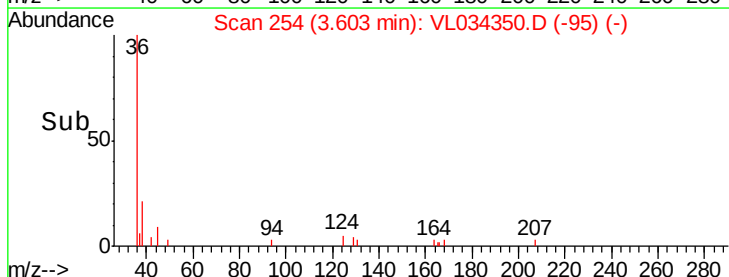
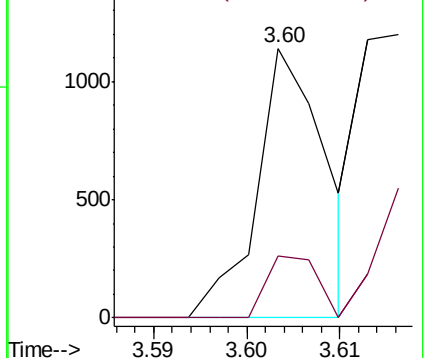
45 100

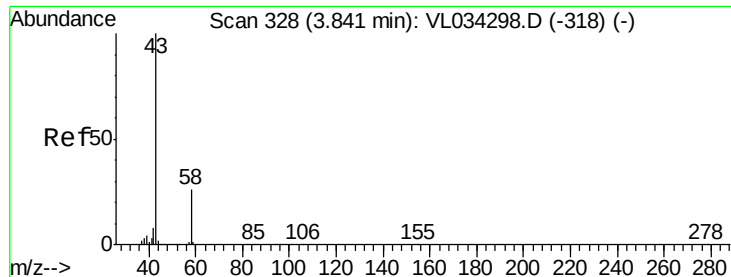
46 0.0 15.8 63.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.211 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL034350.D

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ClientSampleId :

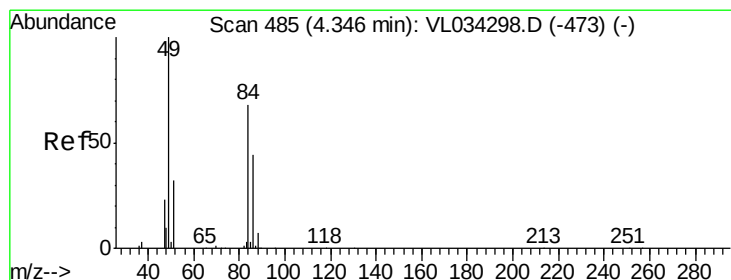
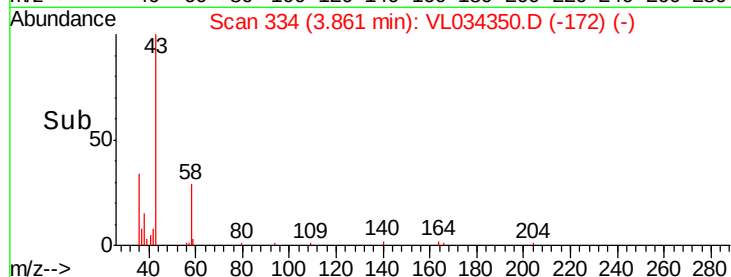
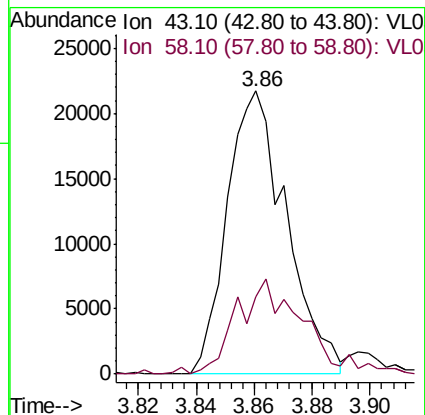
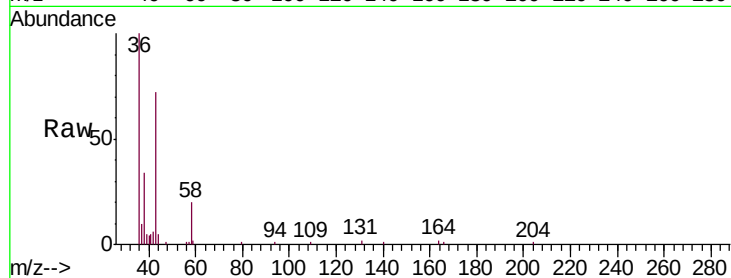
SV6DL

Tgt Ion: 43 Resp: 30700

Ion Ratio Lower Upper

43 100

58 38.4 20.4 30.6#



#20

Methylene Chloride

Concen: 0.100 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL034350.D

Acq: 24 Oct 2019 17:31

Tgt Ion: 84 Resp: 5287

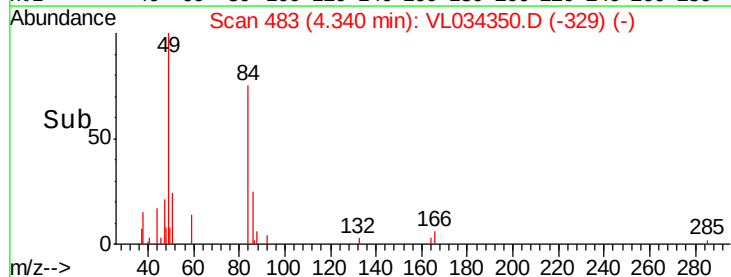
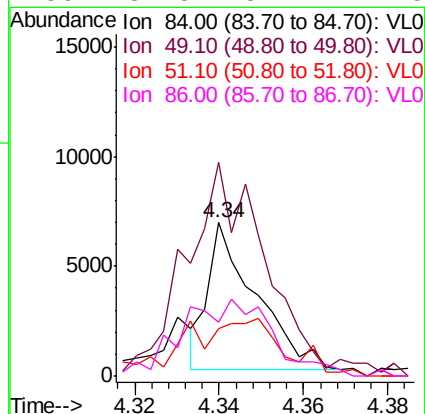
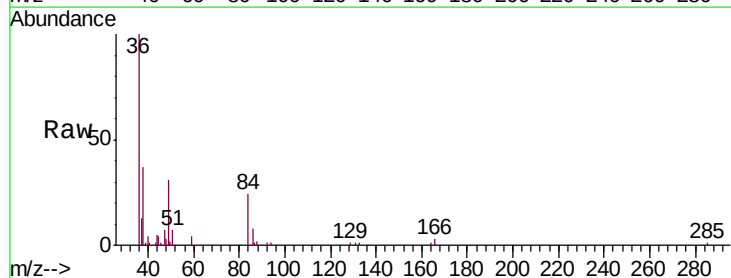
Ion Ratio Lower Upper

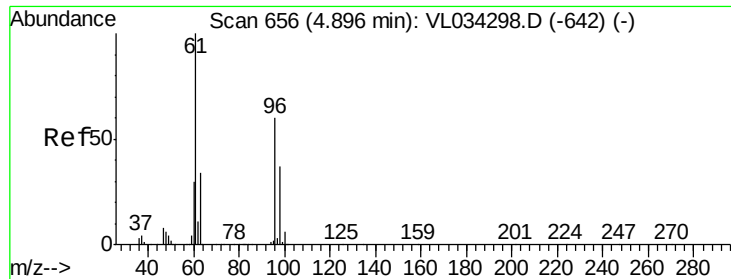
84 100

49 133.9 118.5 177.7

51 29.7 38.8 58.2#

86 31.8 51.7 77.5#





#22

trans-1,2-Dichloroethene

Concen: 0.036 ppbv

RT: 4.89 min Scan# 655

Delta R.T. -0.00 min

Lab File: VL034350.D

Acq: 24 Oct 2019 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV6DL

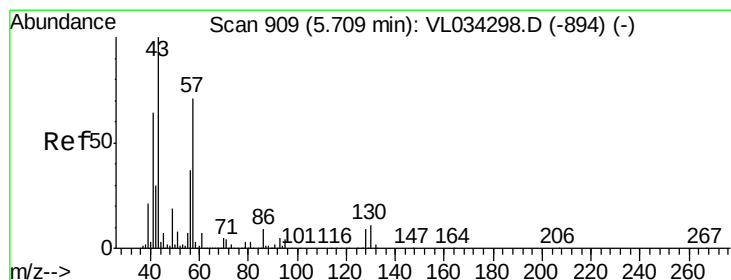
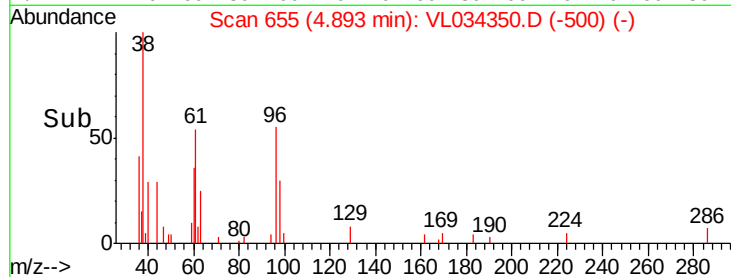
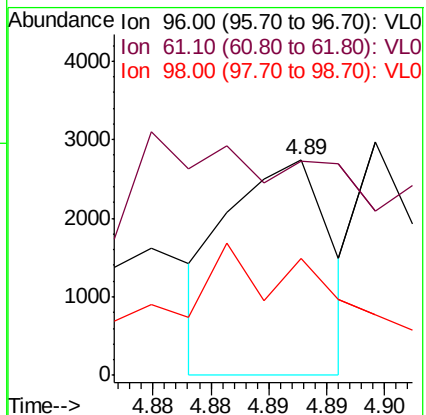
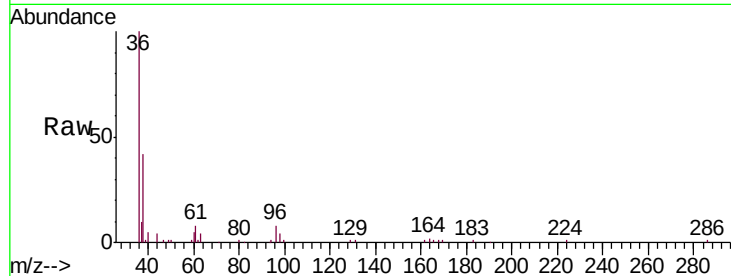
Tgt Ion: 96 Resp: 1701

Ion Ratio Lower Upper

96 100

61 7.6 133.8 200.6#

98 57.3 49.4 74.0



#26

Hexane

Concen: 0.032 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.02 min

Lab File: VL034350.D

Acq: 24 Oct 2019 17:31

Tgt Ion: 57 Resp: 3366

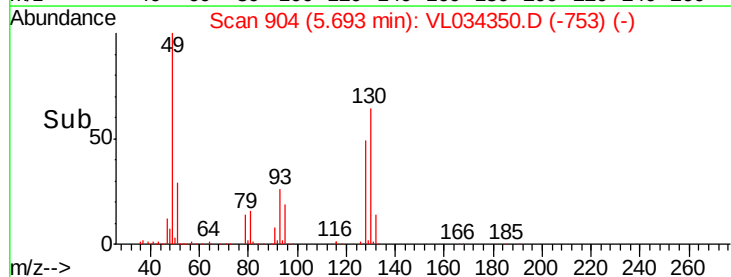
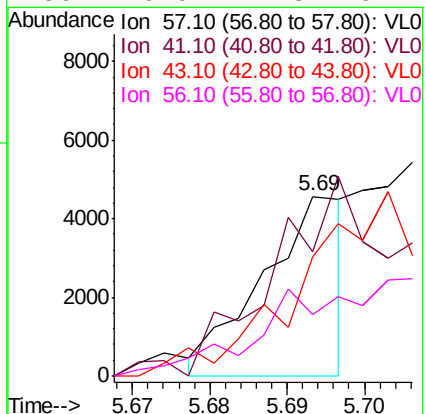
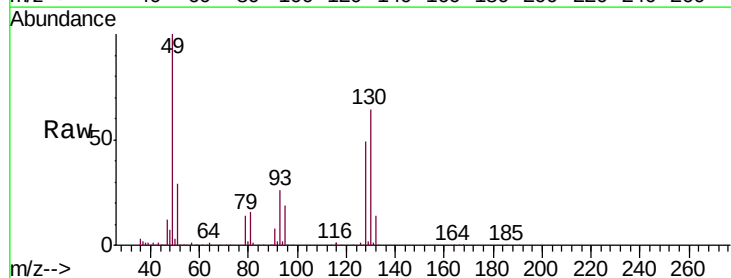
Ion Ratio Lower Upper

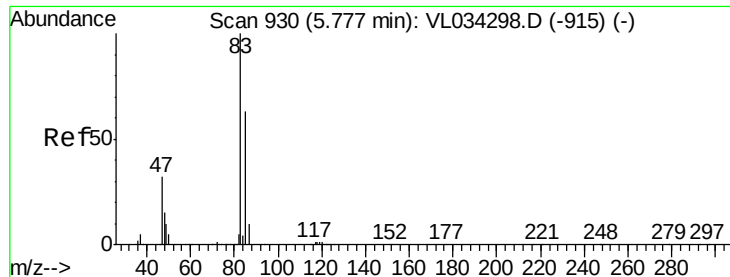
57 100

41 222.7 76.5 114.7#

43 0.0 188.5 282.7#

56 0.0 42.8 64.2#





#29

Chloroform

Concen: 0.117 ppbv

RT: 5.76 min Scan# 925

Delta R.T. -0.02 min

Lab File: VL034350.D

Acq: 24 Oct 2019 17:31

Instrument :

MSVOA_L

ClientSampleId :

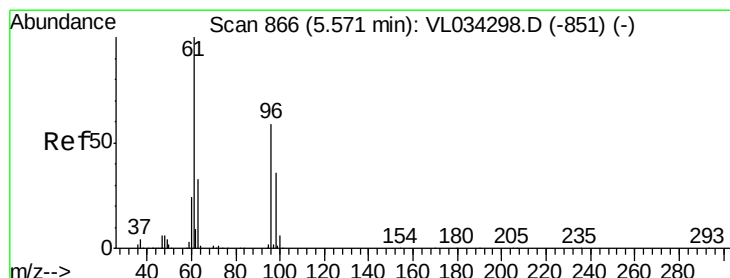
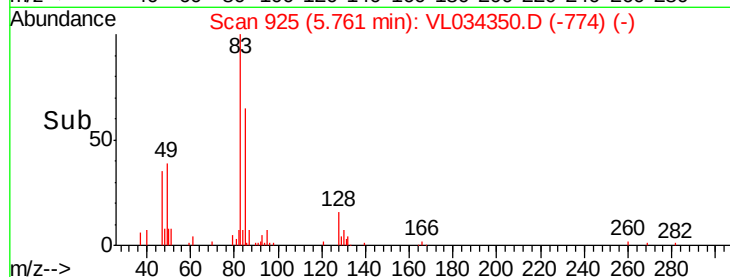
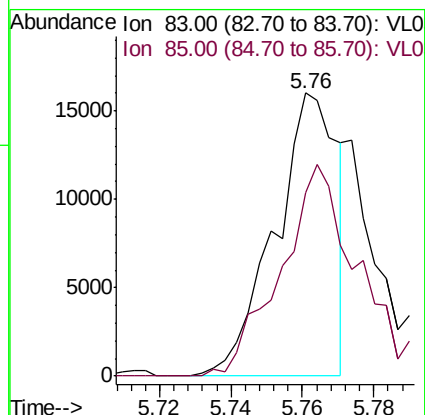
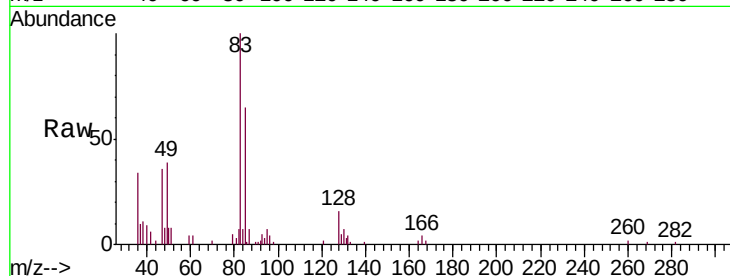
SV6DL

Tgt Ion: 83 Resp: 19461

Ion Ratio Lower Upper

83 100

85 65.6 50.5 75.7



#31

cis-1,2-Dichloroethene

Concen: 6.464 ppbv

RT: 5.56 min Scan# 862

Delta R.T. -0.01 min

Lab File: VL034350.D

Acq: 24 Oct 2019 17:31

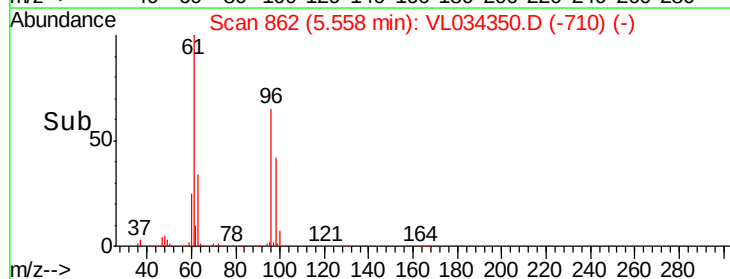
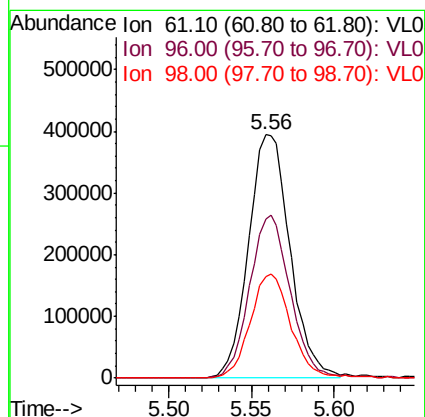
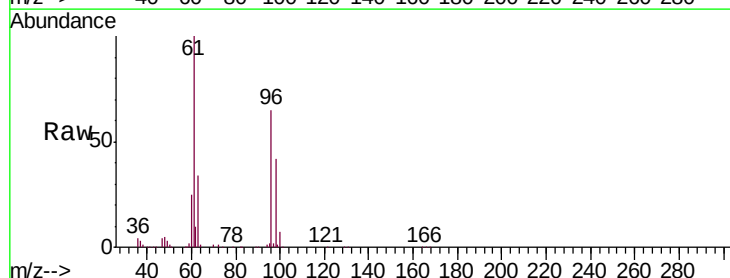
Tgt Ion: 61 Resp: 688397

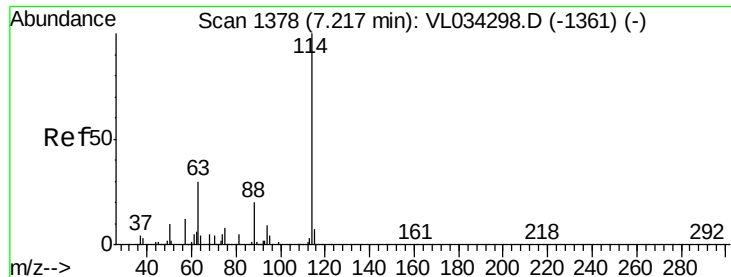
Ion Ratio Lower Upper

61 100

96 65.4 47.5 71.3

98 41.6 28.8 43.2

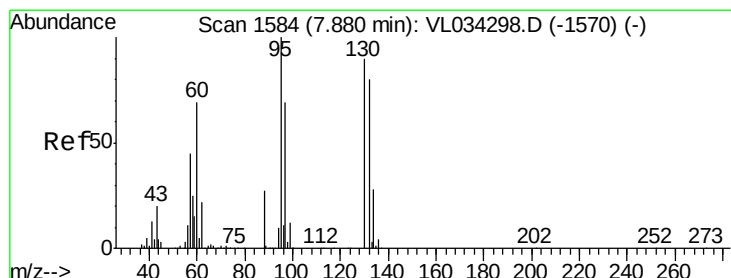
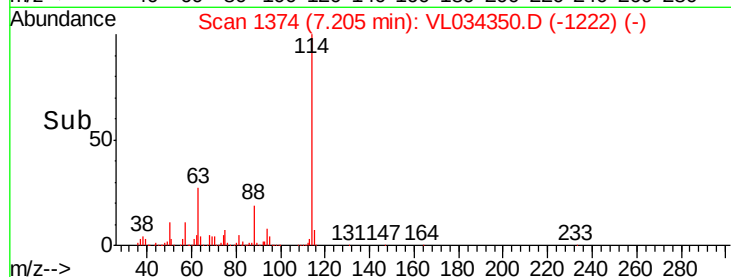
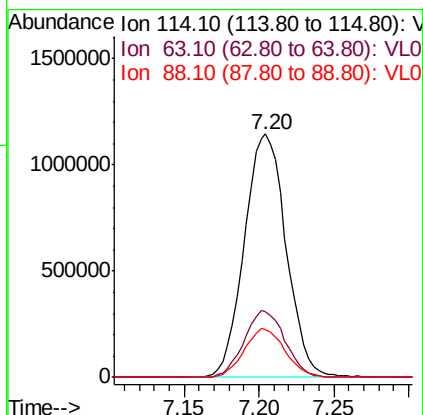
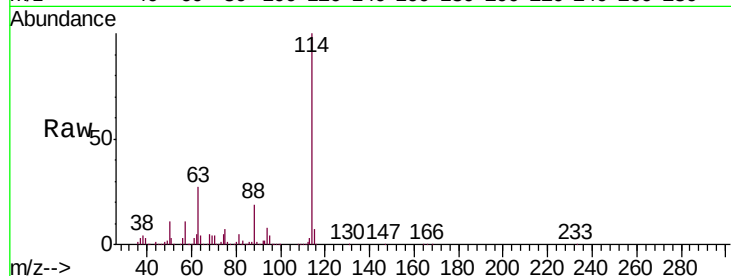




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VL034350.D
 Acq: 24 Oct 2019 17:31

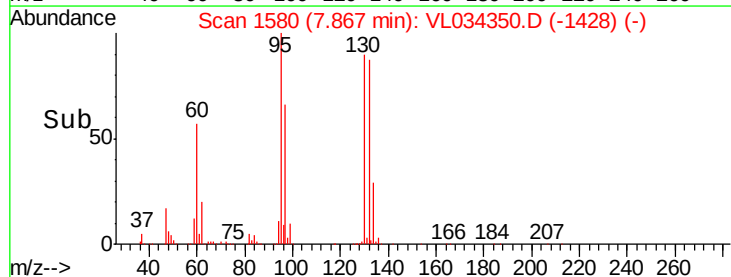
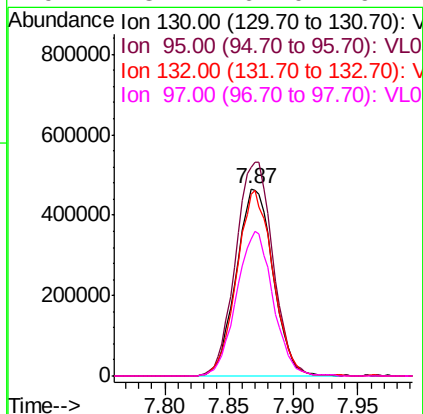
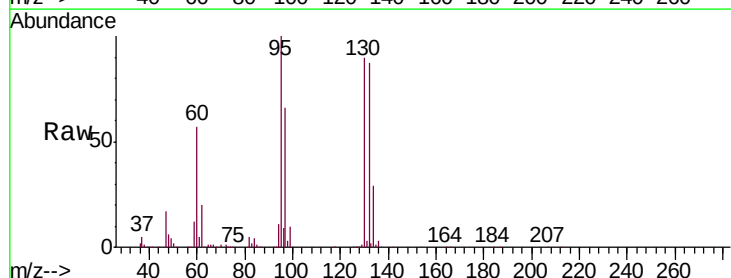
Instrument :
 MSVOA_L
 ClientSampleId :
 SV6DL

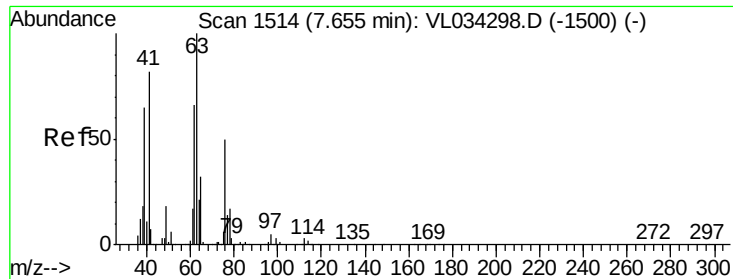
Tgt Ion:114 Resp: 2221681
 Ion Ratio Lower Upper
 114 100
 63 27.1 25.2 37.8
 88 19.7 16.0 24.0



#38
 Trichloroethene
 Concen: 10.833 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL034350.D
 Acq: 24 Oct 2019 17:31

Tgt Ion:130 Resp: 926603
 Ion Ratio Lower Upper
 130 100
 95 111.6 88.6 132.8
 132 96.8 71.2 106.8
 97 73.1 61.0 91.4





#39

1,2-Dichloropropane

Concen: 6.506 ppbv

RT: 7.20 min Scan# 1373

Delta R.T. -0.45 min

Lab File: VL034350.D

Acq: 24 Oct 2019 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV6DL

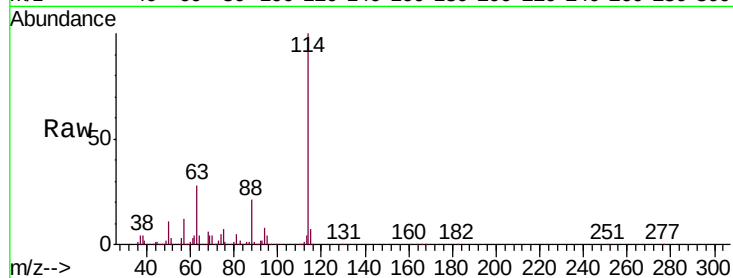
Tgt Ion: 63 Resp: 597185

Ion Ratio Lower Upper

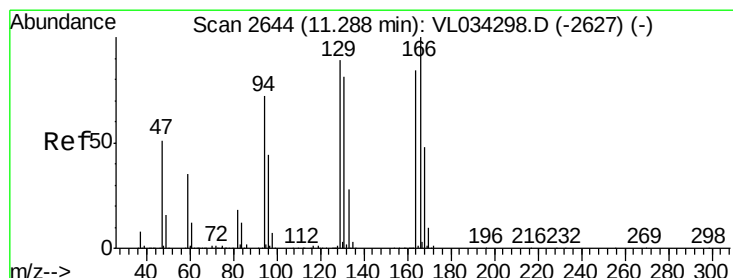
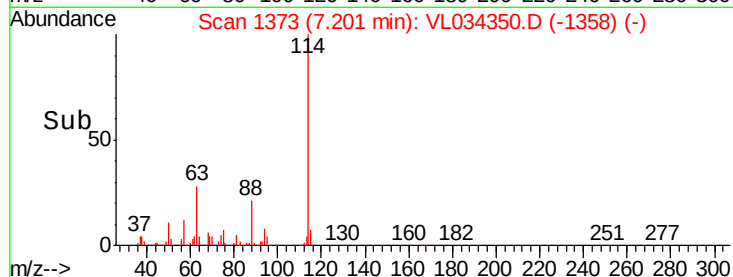
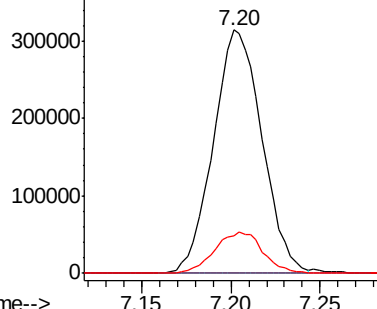
63 100

41 0.1 65.6 98.4#

62 15.5 53.0 79.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#52

Tetrachloroethene

Concen: 86.384 ppbv

RT: 11.29 min Scan# 2646

Delta R.T. 0.01 min

Lab File: VL034350.D

Acq: 24 Oct 2019 17:31

Tgt Ion: 164 Resp: 7217833

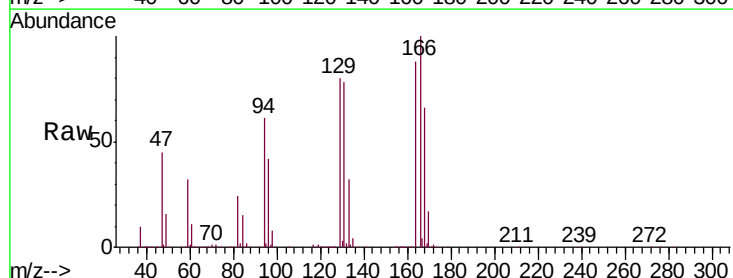
Ion Ratio Lower Upper

164 100

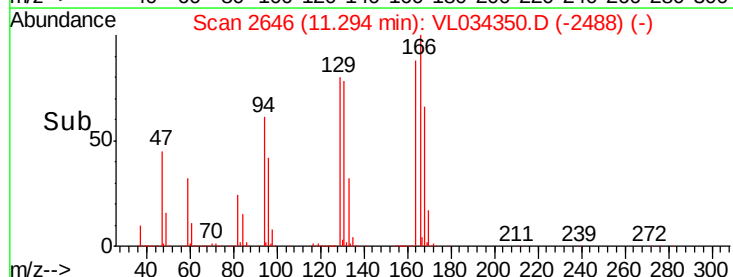
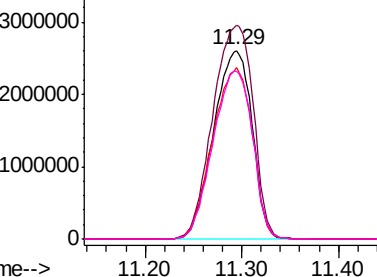
166 113.2 95.3 142.9

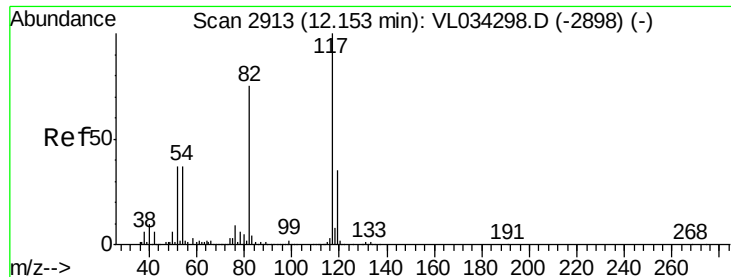
129 91.0 84.5 126.7

131 88.7 77.3 115.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

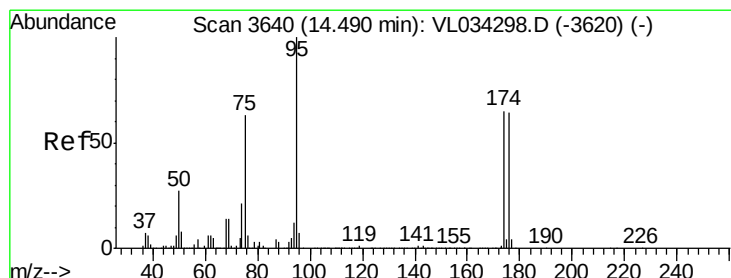
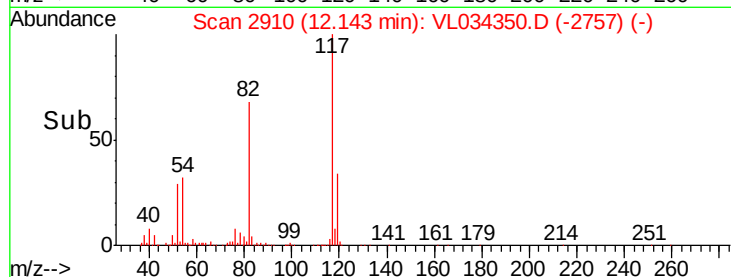
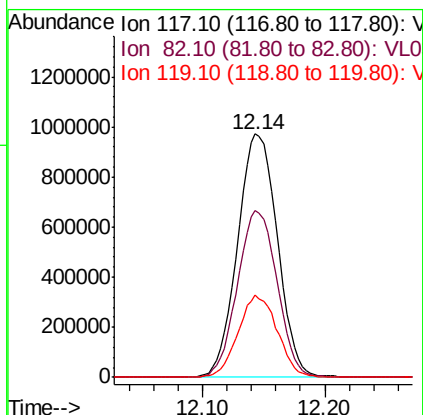
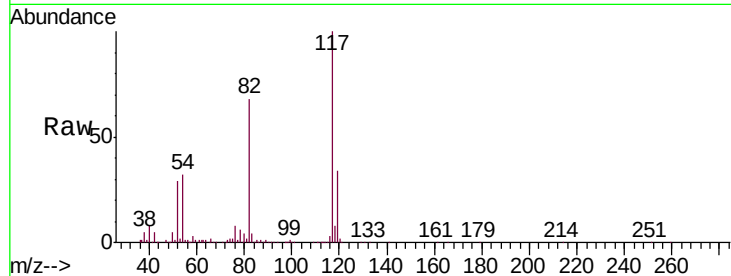




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL034350.D
Acq: 24 Oct 2019 17:31

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Tgt Ion: 117 Resp: 2197892
Ion Ratio Lower Upper
117 100
82 68.5 55.5 83.3
119 33.1 26.5 39.7



#68
1-Bromo-4-Fluorobenzene
Concen: 9.527 ppbv
RT: 14.48 min Scan# 3637
Delta R.T. -0.01 min
Lab File: VL034350.D
Acq: 24 Oct 2019 17:31

Tgt Ion: 95 Resp: 1773480
Ion Ratio Lower Upper
95 100
174 69.6 52.6 78.8
175 5.1 3.8 5.6

