

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
 Data File : VL034326.D
 Acq On : 17 Oct 2019 21:21
 Operator : SY/AP
 Sample : K5409-01DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Quant Time: Oct 18 04:35:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu 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	5.69	49	935465	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1957475	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2002392	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1660893	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

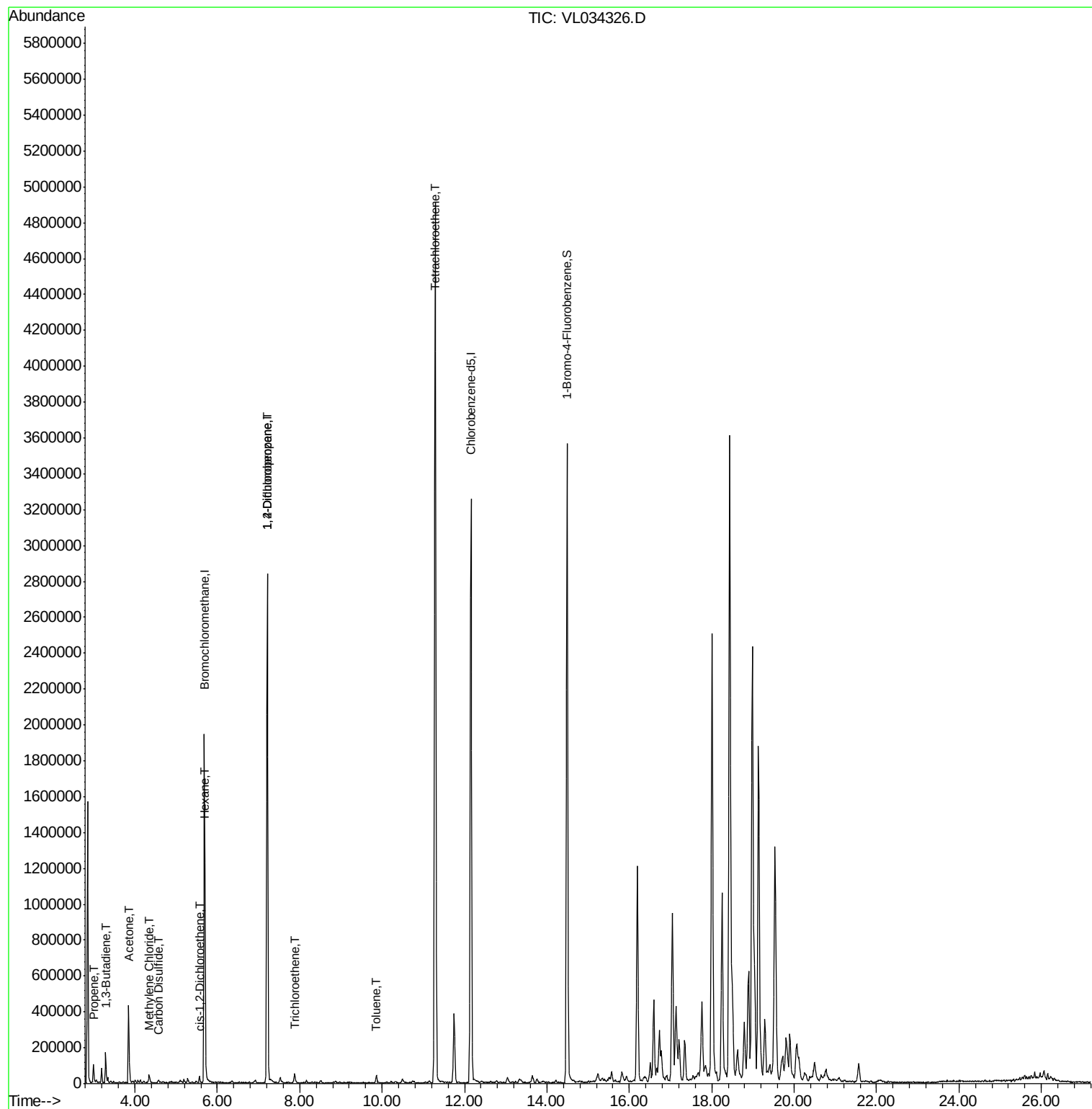
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.99	41	39640	0.816	ppbv	94
15) Acetone	3.84	43	442477	3.307	ppbv	99
16) 1,3-Butadiene	3.29	39	47631	0.876	ppbv #	20
20) Methylene Chloride	4.35	84	11623	0.240	ppbv	95
26) Hexane	5.71	57	3141	0.033	ppbv #	34
27) Carbon Disulfide	4.56	76	3579	0.036	ppbv #	1
31) cis-1,2-Dichloroethene	5.57	61	19690	0.202	ppbv #	83
38) Trichloroethene	7.87	130	8894	0.118	ppbv #	78
39) 1,2-Dichloropropane	7.21	63	553087	6.839	ppbv #	22
52) Tetrachloroethene	11.29	164	1245958	16.925	ppbv	96
53) Toluene	9.86	91	26360	0.127	ppbv	95

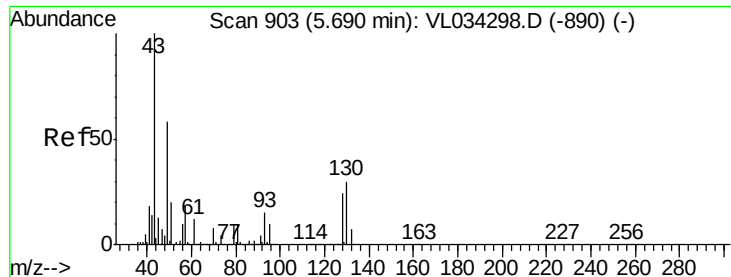
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034326.D

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Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

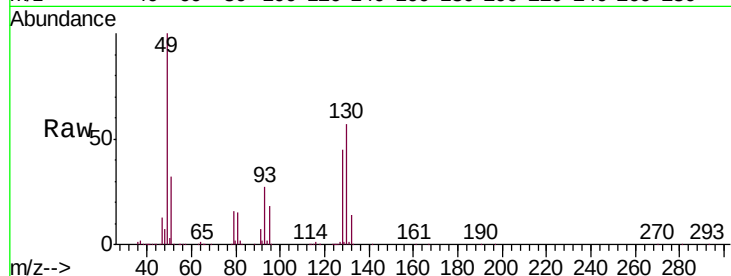
Tgt Ion: 49 Resp: 935465

Ion Ratio Lower Upper

49 100

128 45.0 20.6 61.8

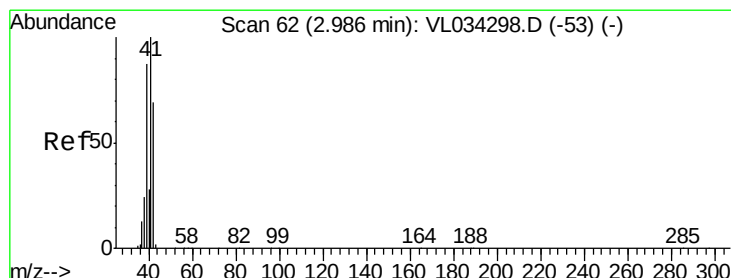
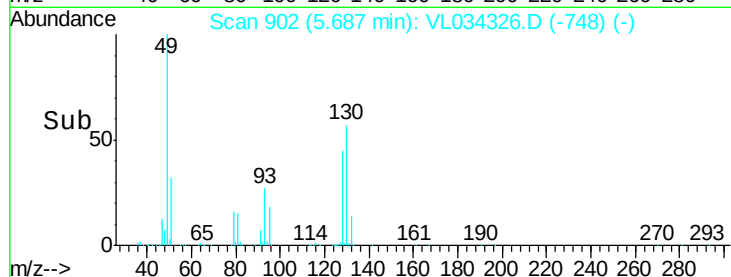
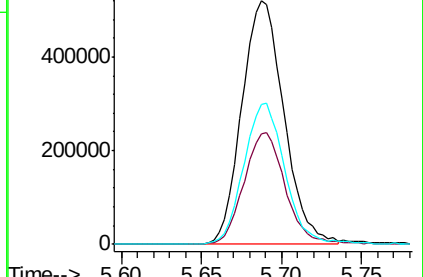
130 56.8 26.2 78.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.816 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034326.D

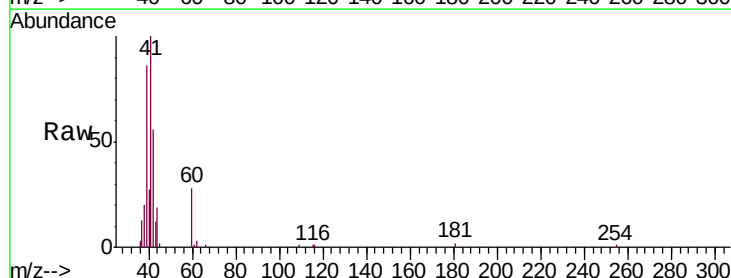
Acq: 17 Oct 2019 21:21

Tgt Ion: 41 Resp: 39640

Ion Ratio Lower Upper

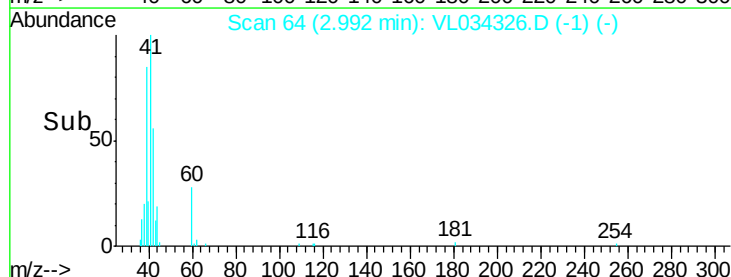
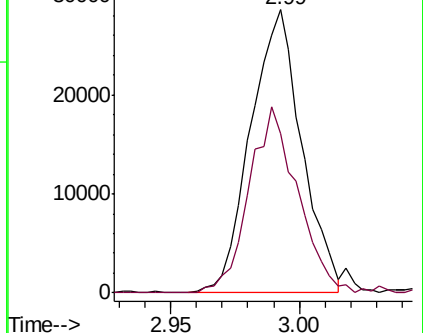
41 100

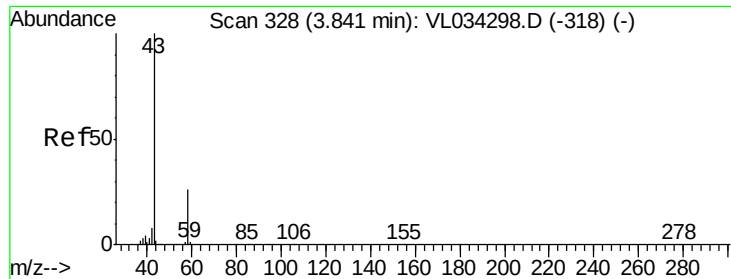
42 62.9 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 3.307 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Instrument :

MSVOA_L

ClientSampleId :

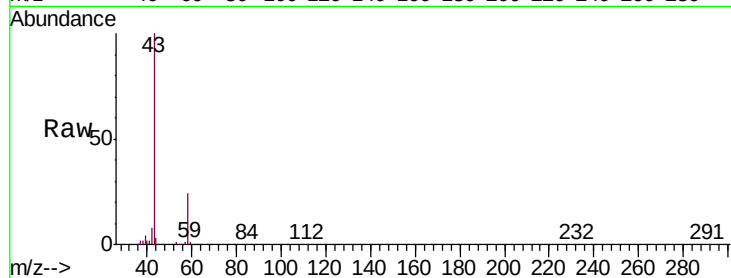
SV1DL2

Tgt Ion: 43 Resp: 442477

Ion Ratio Lower Upper

43 100

58 26.2 20.4 30.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

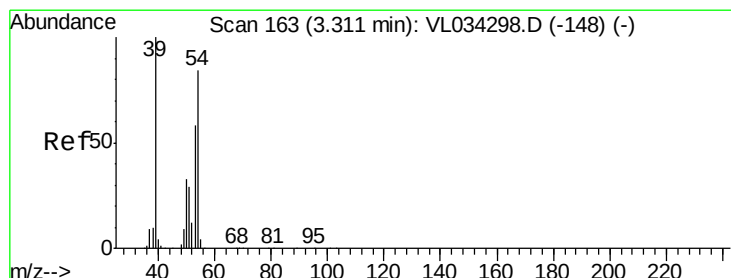
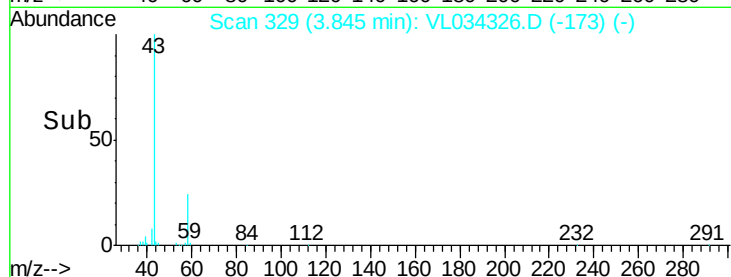
300000

200000

100000

0

Time-->



#16

1,3-Butadiene

Concen: 0.876 ppbv

RT: 3.29 min Scan# 156

Delta R.T. -0.02 min

Lab File: VL034326.D

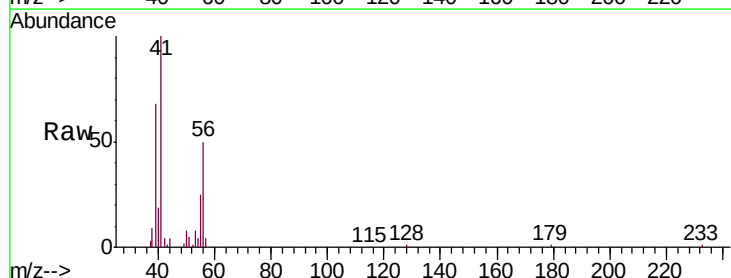
Acq: 17 Oct 2019 21:21

Tgt Ion: 39 Resp: 47631

Ion Ratio Lower Upper

39 100

54 9.7 63.9 95.9#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

40000

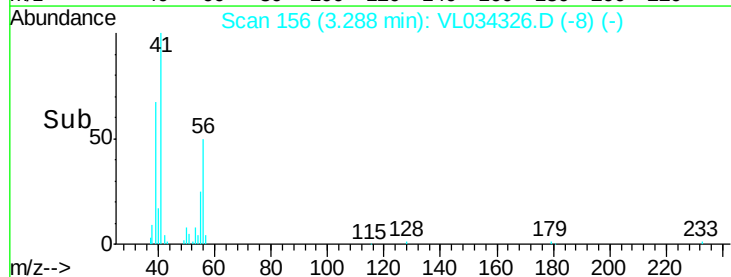
30000

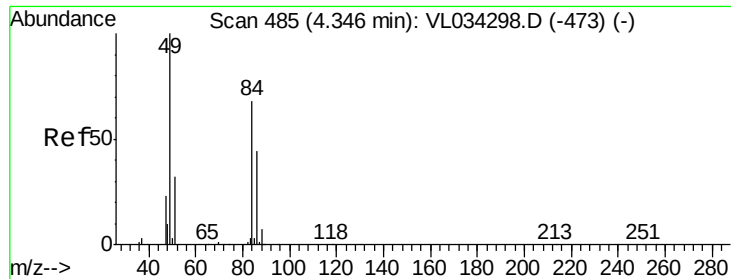
20000

10000

0

Time-->

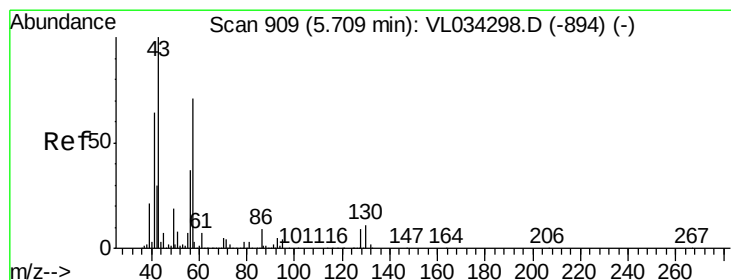
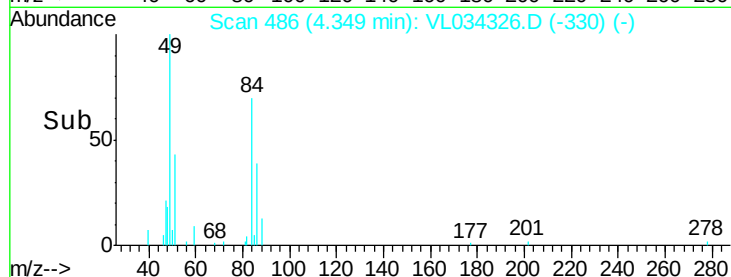
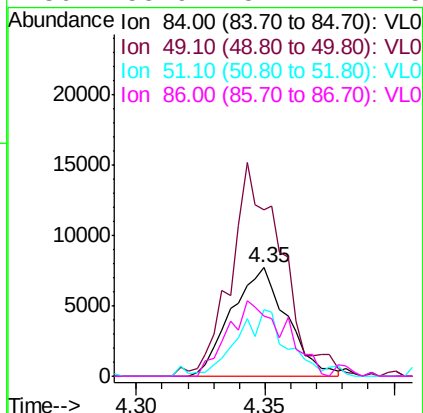
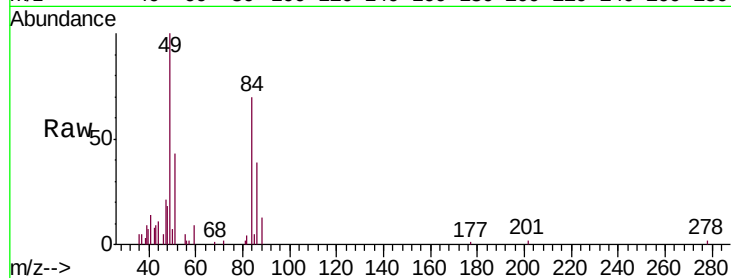




#20
Methylene Chloride
Concen: 0.240 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL034326.D
Acq: 17 Oct 2019 21:21

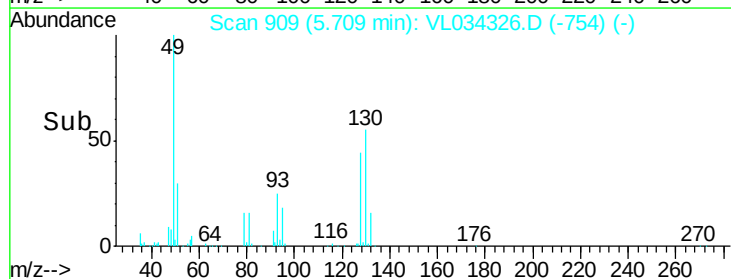
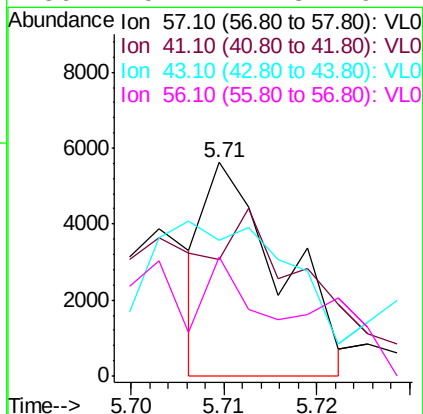
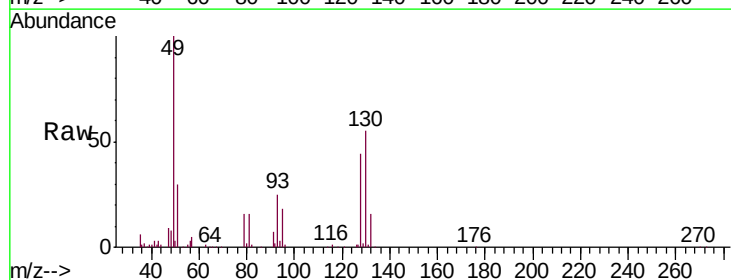
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

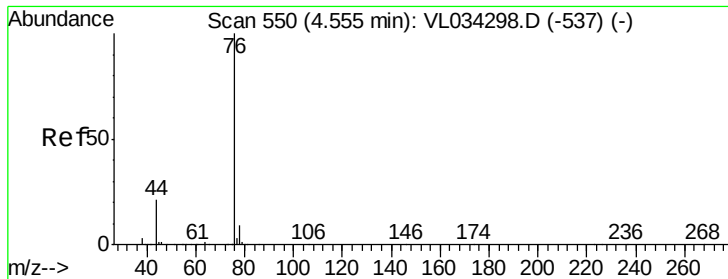
Tgt Ion:	84	Resp:	11623
Ion	Ratio	Lower	Upper
84	100		
49	148.8	118.5	177.7
51	57.2	38.8	58.2
86	55.9	51.7	77.5



#26
Hexane
Concen: 0.033 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL034326.D
Acq: 17 Oct 2019 21:21

Tgt Ion:	57	Resp:	3141
Ion	Ratio	Lower	Upper
57	100		
41	261.5	76.5	114.7#
43	221.3	188.5	282.7
56	149.2	42.8	64.2#





#27

Carbon Disulfide

Concen: 0.036 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.01 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

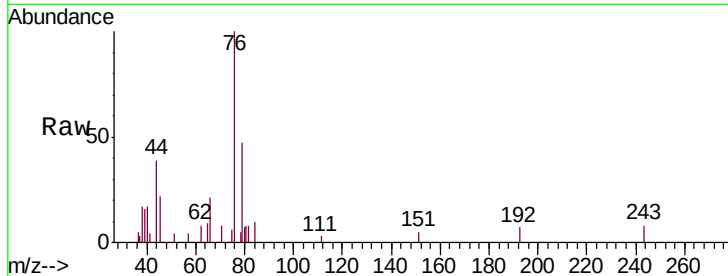
Tgt Ion: 76 Resp: 3579

Ion Ratio Lower Upper

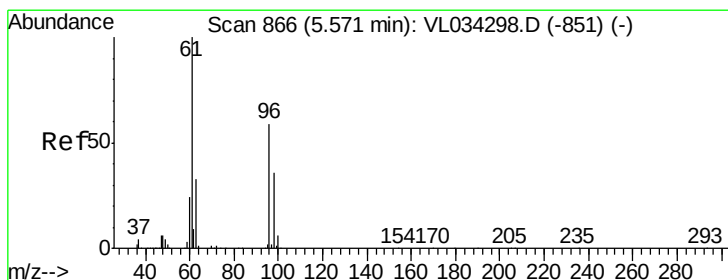
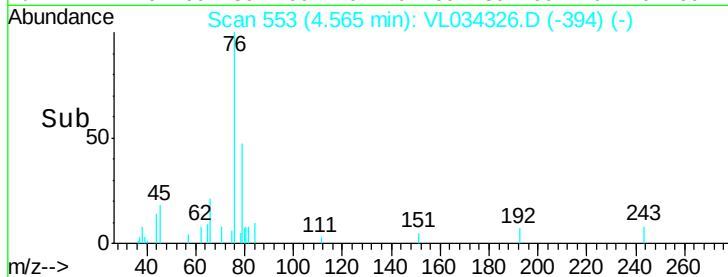
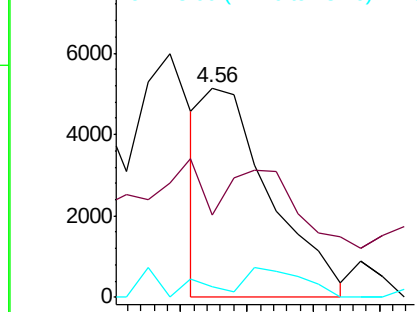
76 100

44 157.4 17.3 25.9#

78 0.0 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.202 ppbv

RT: 5.57 min Scan# 866

Delta R.T. -0.00 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

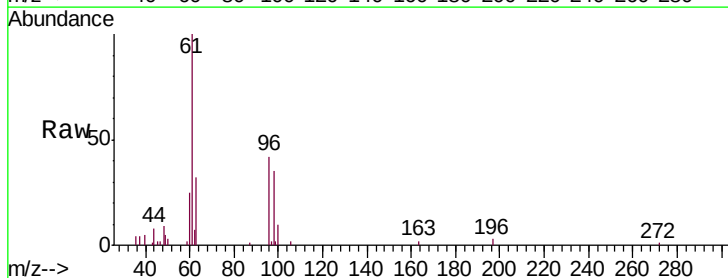
Tgt Ion: 61 Resp: 19690

Ion Ratio Lower Upper

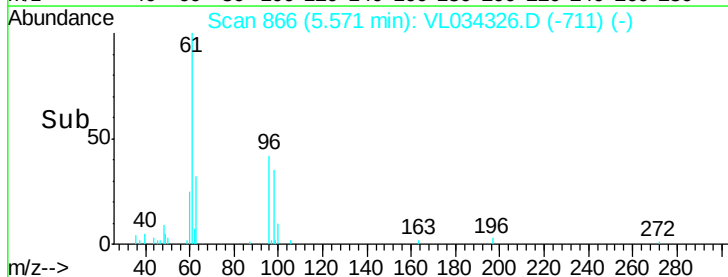
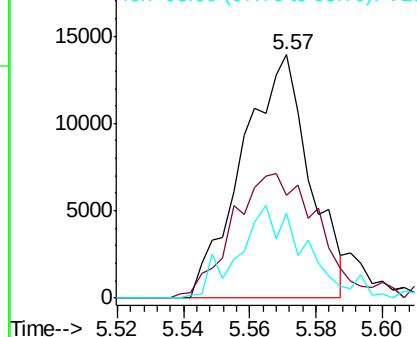
61 100

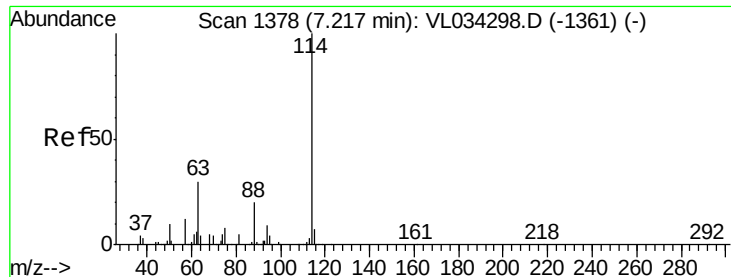
96 40.4 47.5 71.3#

98 33.7 28.8 43.2



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0

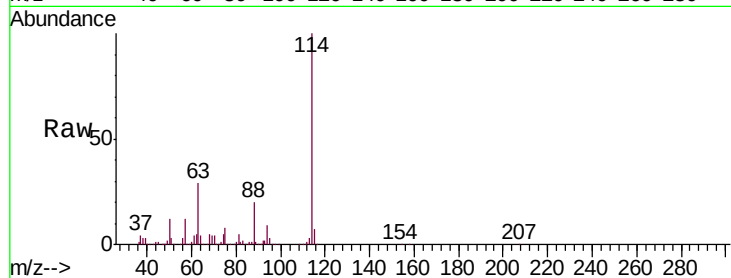




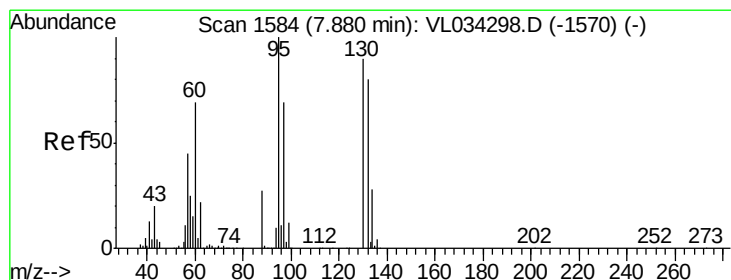
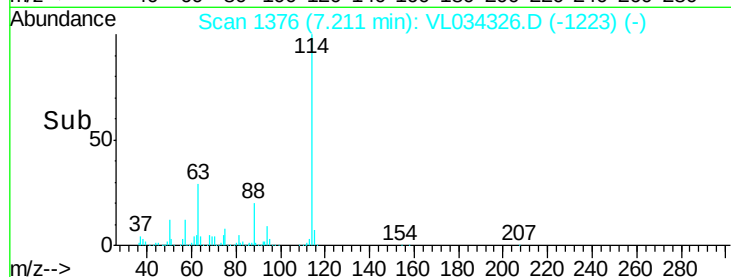
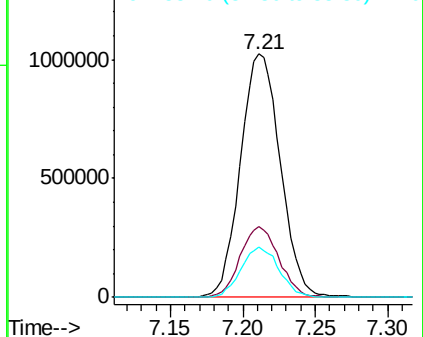
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VL034326.D
 Acq: 17 Oct 2019 21:21

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Tgt Ion:114 Resp: 1957475
 Ion Ratio Lower Upper
 114 100
 63 28.4 25.2 37.8
 88 19.9 16.0 24.0

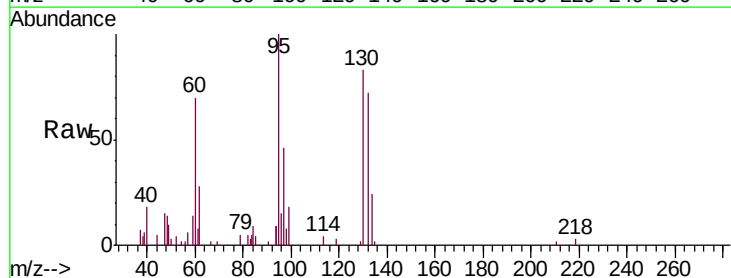


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

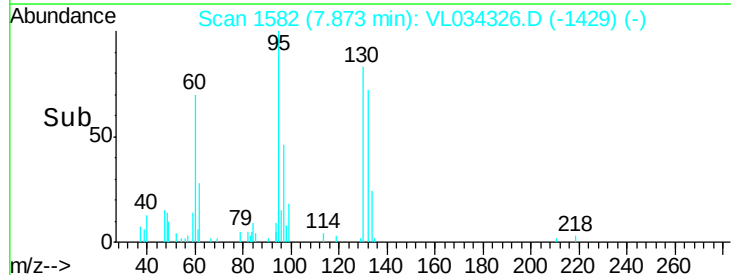
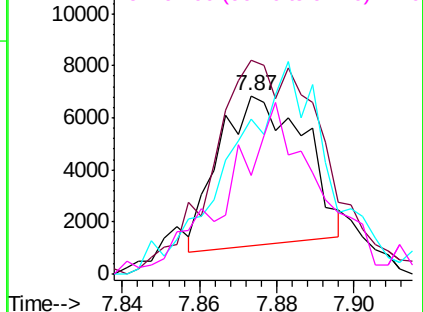


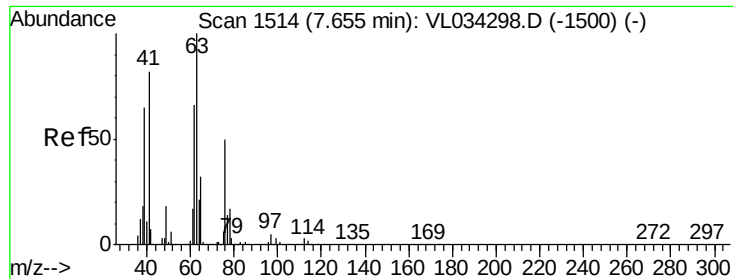
#38
 Trichloroethene
 Concen: 0.118 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL034326.D
 Acq: 17 Oct 2019 21:21

Tgt Ion:130 Resp: 8894
 Ion Ratio Lower Upper
 130 100
 95 100.2 88.6 132.8
 132 70.0 71.2 106.8#
 97 39.0 61.0 91.4#



Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 6.839 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.44 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

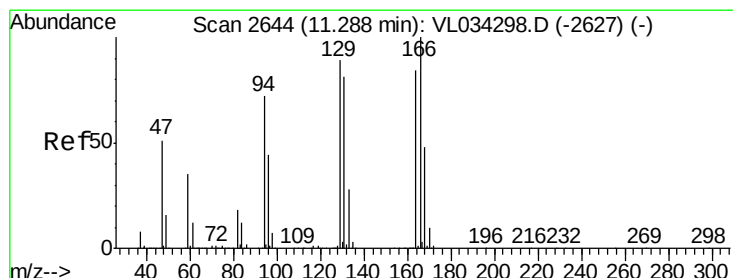
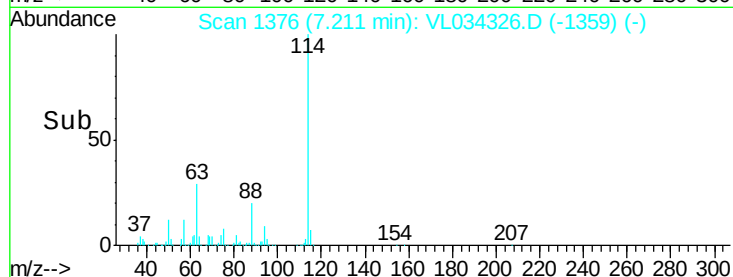
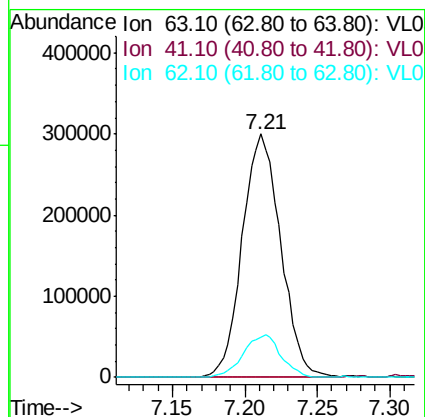
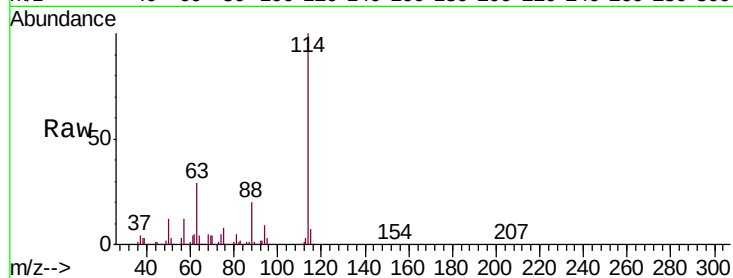
Tgt Ion: 63 Resp: 553087

Ion Ratio Lower Upper

63 100

41 0.1 65.6 98.4#

62 16.7 53.0 79.6#



#52

Tetrachloroethene

Concen: 16.925 ppbv

RT: 11.29 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Tgt Ion: 164 Resp: 1245958

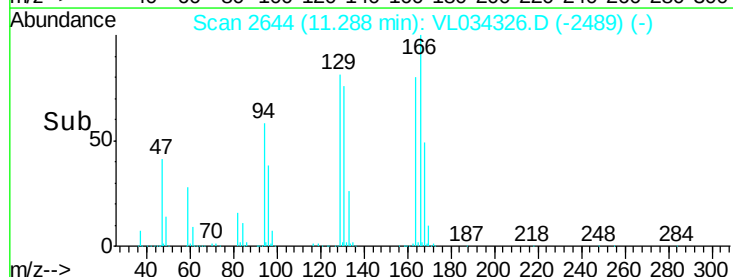
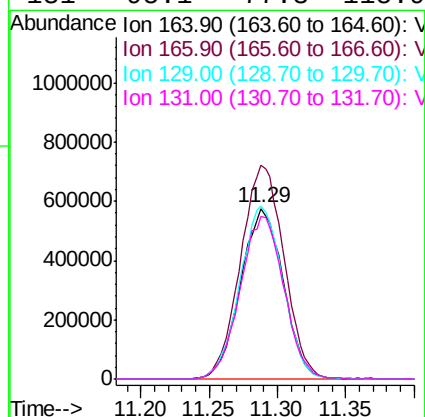
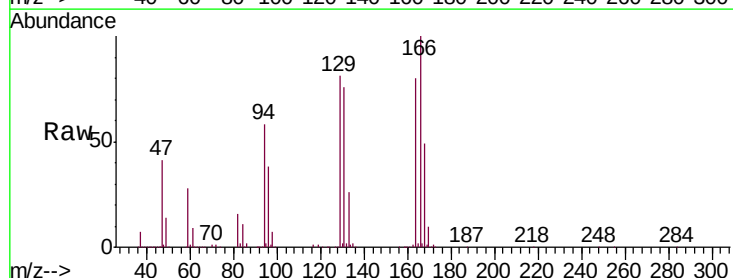
Ion Ratio Lower Upper

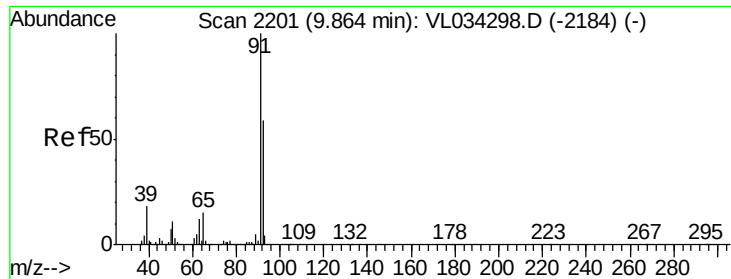
164 100

166 125.2 95.3 142.9

129 101.1 84.5 126.7

131 95.1 77.3 115.9





#53

Toluene

Concen: 0.127 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Instrument :

MSVOA_L

ClientSampleId :

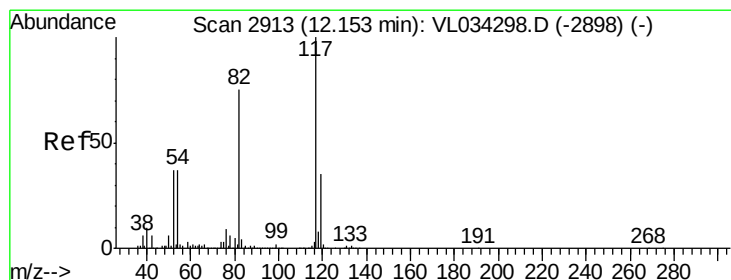
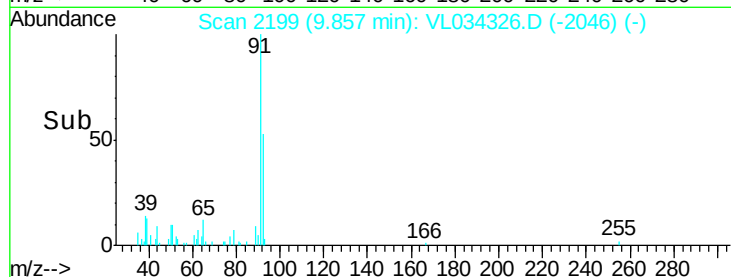
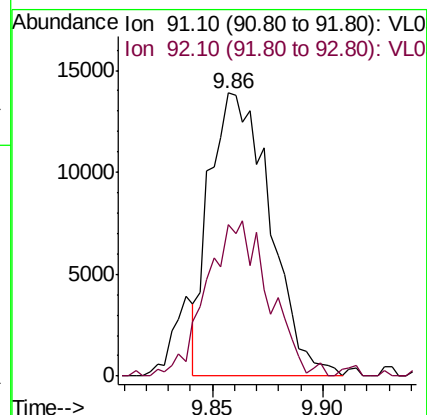
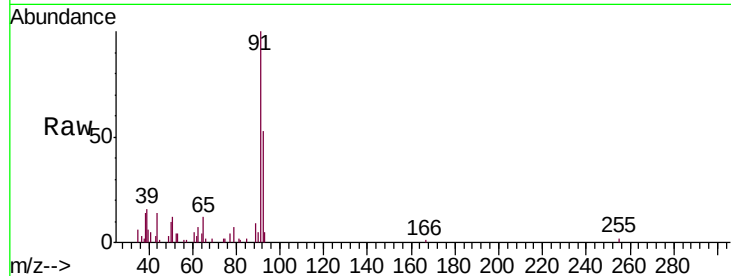
SV1DL2

Tgt Ion: 91 Resp: 26360

Ion Ratio Lower Upper

91 100

92 56.8 48.4 72.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

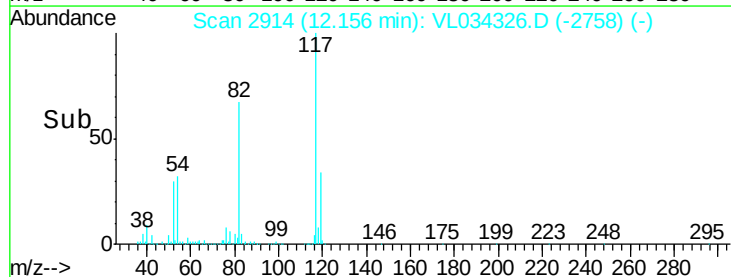
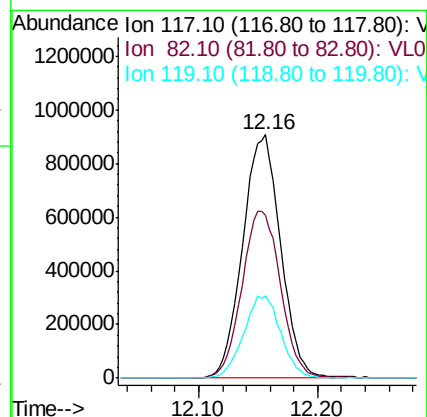
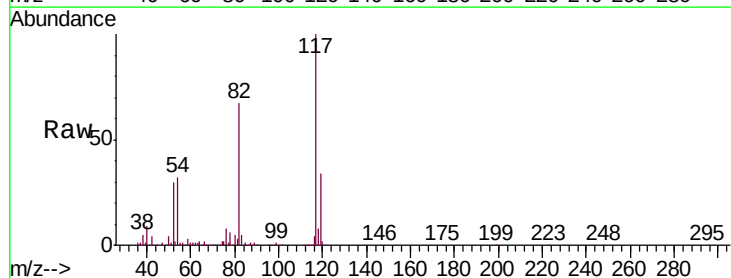
Tgt Ion: 117 Resp: 2002392

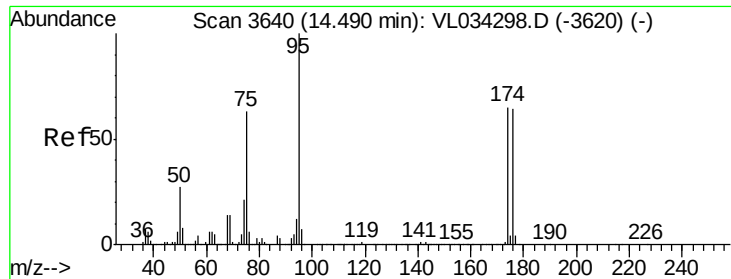
Ion Ratio Lower Upper

117 100

82 69.7 55.5 83.3

119 33.2 26.5 39.7





#68

1-Bromo-4-Fluorobenzene

Concen: 9.794 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VL034326.D

Acq: 17 Oct 2019 21:21

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tgt Ion: 95 Resp: 1660893

Ion Ratio Lower Upper

95 100

174 69.1 52.6 78.8

175 5.1 3.8 5.6

