

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
 Data File : VL034554.D
 Acq On : 2 Jan 2020 19:58
 Operator : SY/AP
 Sample : K6473-04DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 50-2DL

Quant Time: Jan 03 01:11:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	886895	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1747061	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1741452	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1492801	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

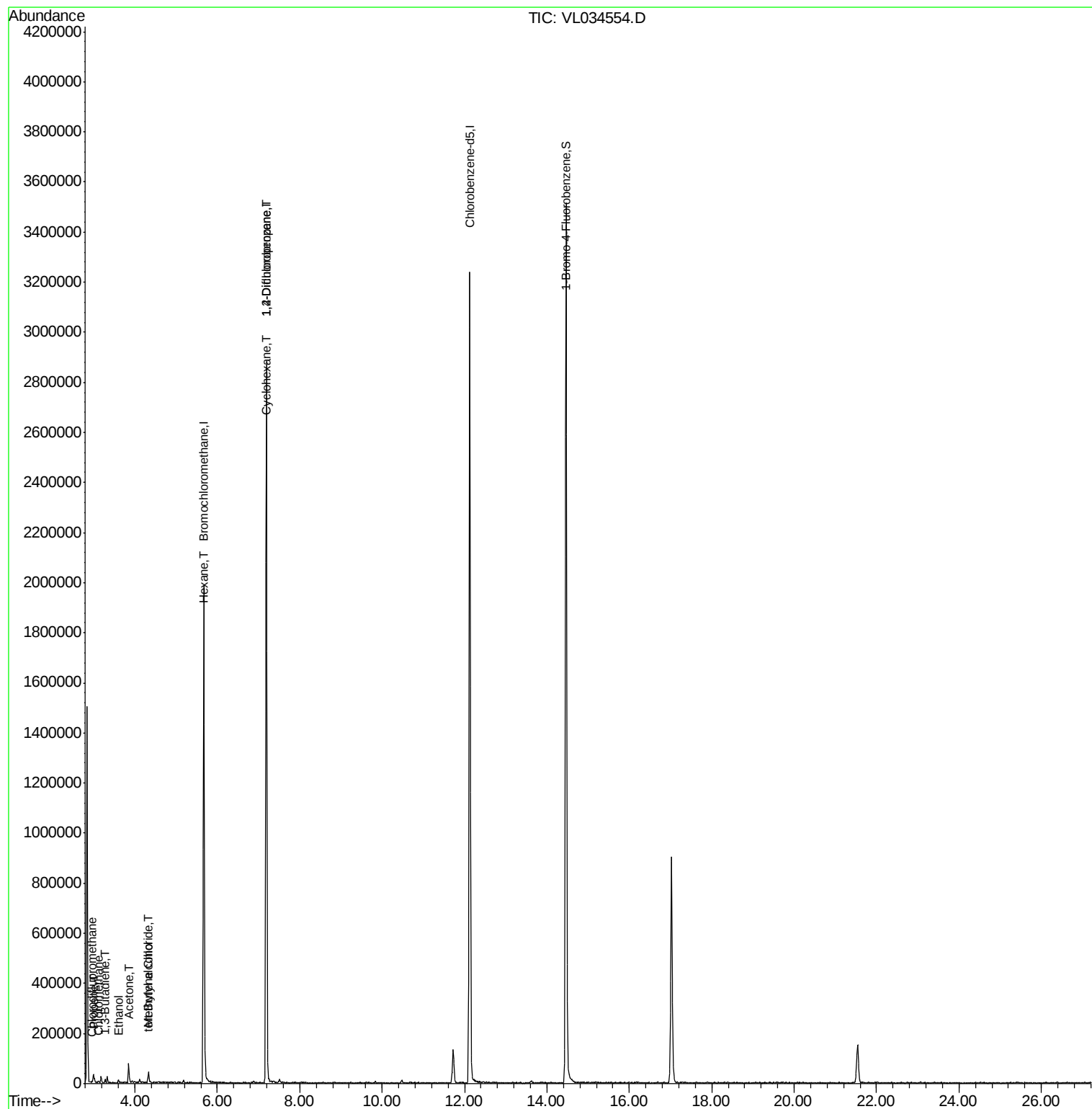
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.95	51	4806	0.045	ppbv	98
4) Chloromethane	3.11	50	1822	0.029	ppbv #	66
9) Propene	2.99	41	7326	0.180	ppbv #	78
13) Ethanol	3.59	45	4488	0.397	ppbv #	38
15) Acetone	3.85	43	64389	0.497	ppbv	94
16) 1,3-Butadiene	3.28	39	2916	0.059	ppbv #	10
17) tert-Butyl alcohol	4.31	59	3963	0.038	ppbv #	85
20) Methylene Chloride	4.33	84	10258	0.201	ppbv #	80
26) Hexane	5.68	57	2331	0.027	ppbv #	1
30) Cyclohexane	7.17	84	2393	0.038	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	528900	8.446	ppbv #	23

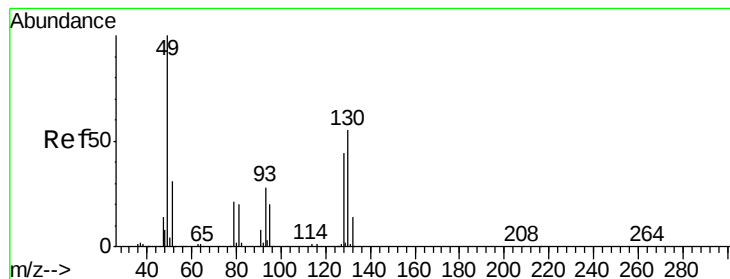
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 03 01:11:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL034554.D

Acq: 2 Jan 2020 19:58

Instrument :

MSVOA_L

ClientSampleId :

50-2DL

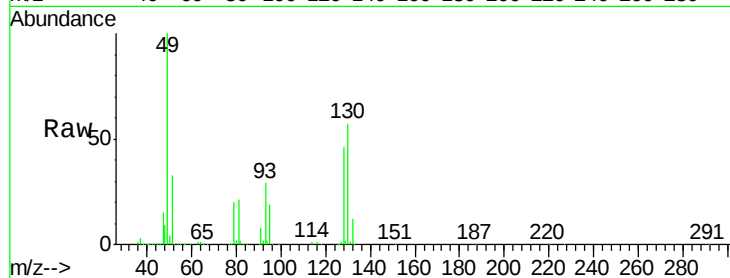
Tgt Ion: 49 Resp: 886895

Ion Ratio Lower Upper

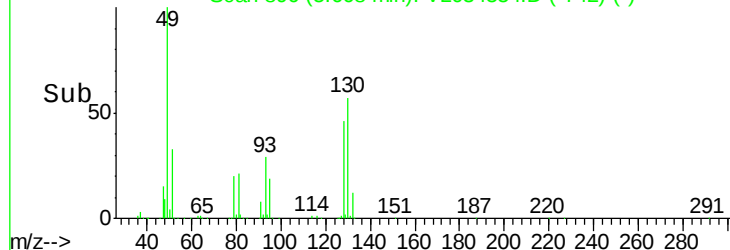
49 100

128 44.9 22.4 67.2

130 55.9 28.3 85.0



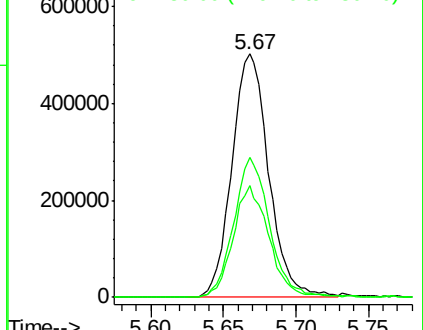
Scan 896 (5.668 min): VL034554.D (-742) (-)



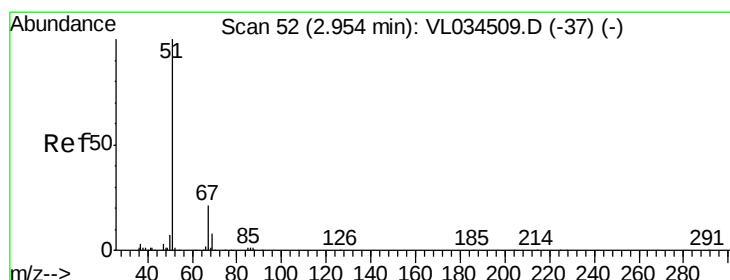
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

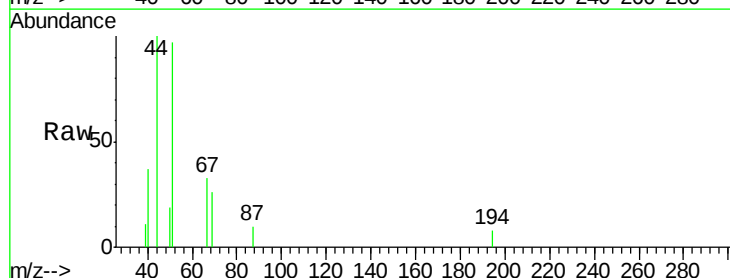
Ion 130.00 (129.70 to 130.70): VL0



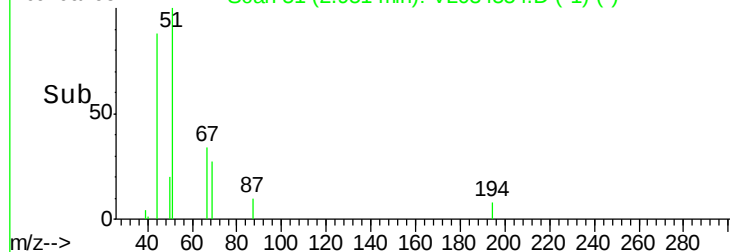
Time-->



Scan 52 (2.954 min): VL034509.D (-37) (-)



Scan 51 (2.951 min): VL034554.D (-1) (-)



#3

Chlorodifluoromethane

Concen: 0.045 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034554.D

Acq: 2 Jan 2020 19:58

Tgt Ion: 51 Resp: 4806

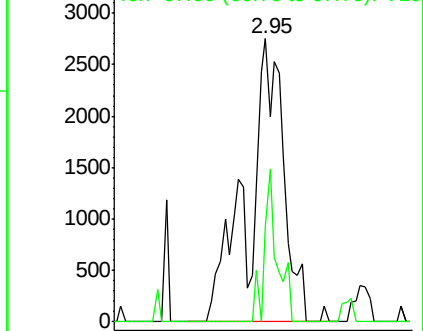
Ion Ratio Lower Upper

51 100

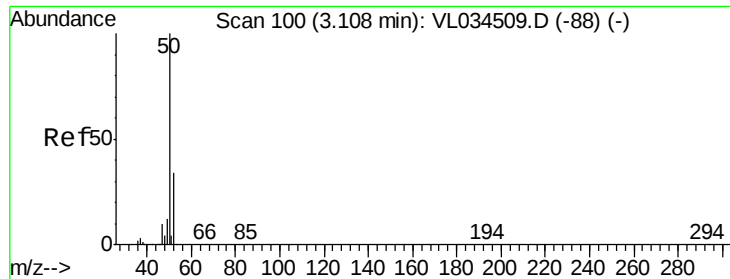
67 20.0 16.8 25.2

Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 0.029 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.00 min

Lab File: VL034554.D

Acq: 2 Jan 2020 19:58

Instrument :

MSVOA_L

ClientSampleId :

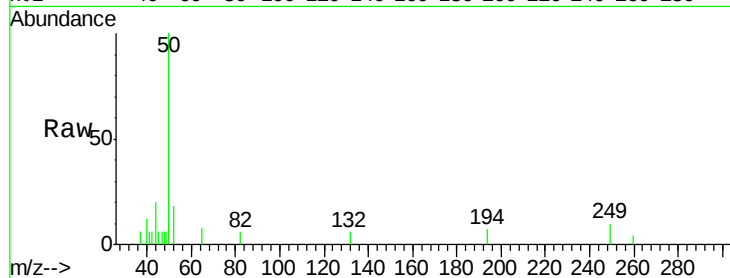
50-2DL

Tgt Ion: 50 Resp: 1822

Ion Ratio Lower Upper

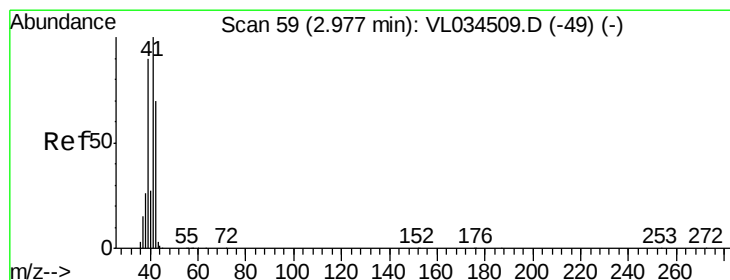
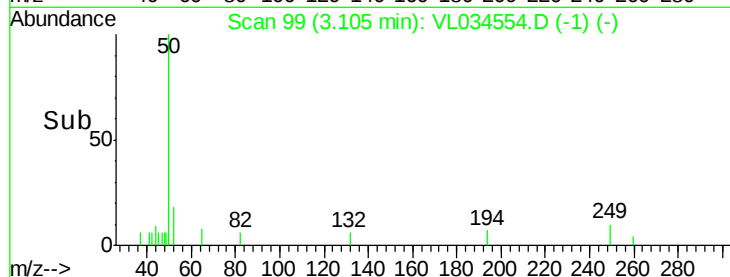
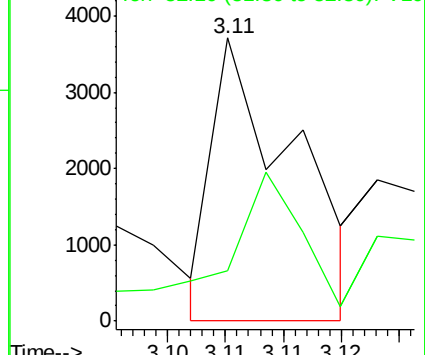
50 100

52 15.0 27.6 41.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.180 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.02 min

Lab File: VL034554.D

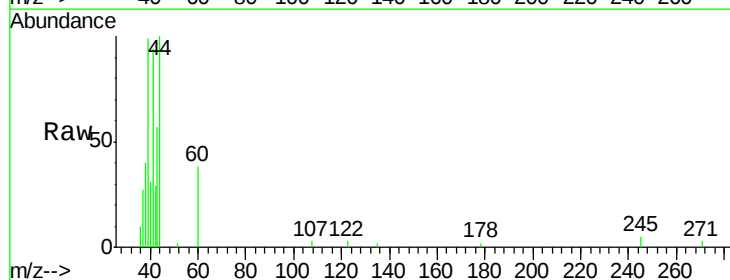
Acq: 2 Jan 2020 19:58

Tgt Ion: 41 Resp: 7326

Ion Ratio Lower Upper

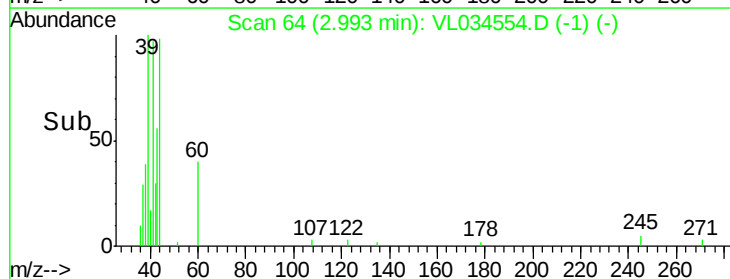
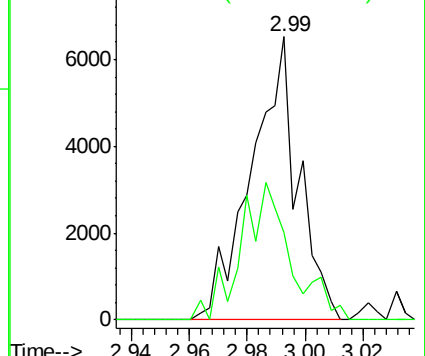
41 100

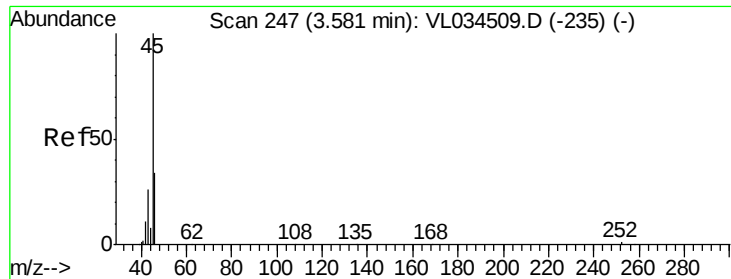
42 52.0 55.8 83.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

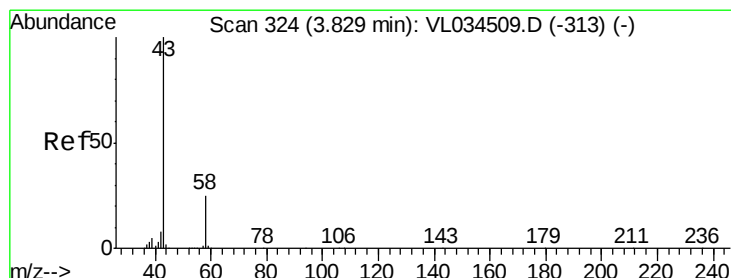
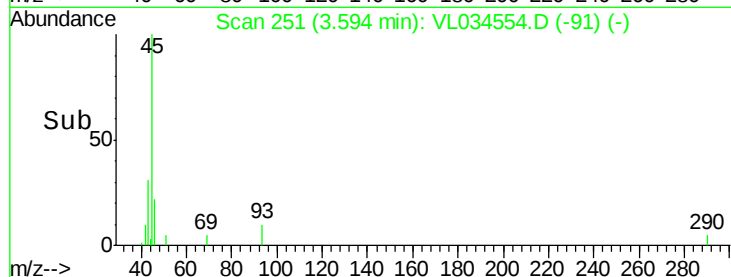
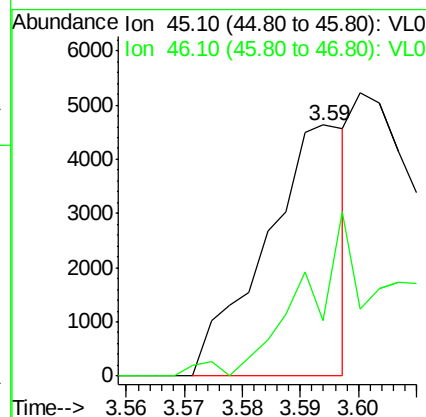
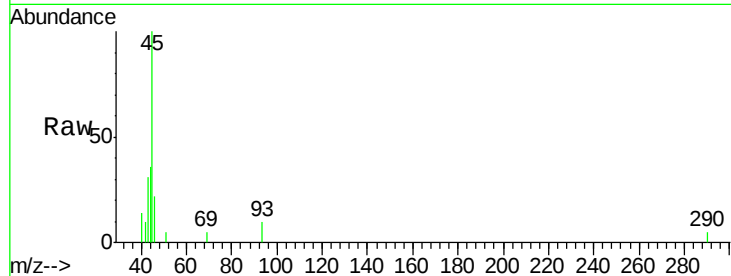




#13
Ethanol
Concen: 0.397 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL034554.D
Acq: 2 Jan 2020 19:58

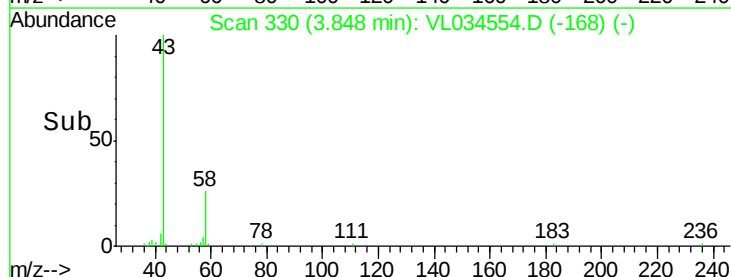
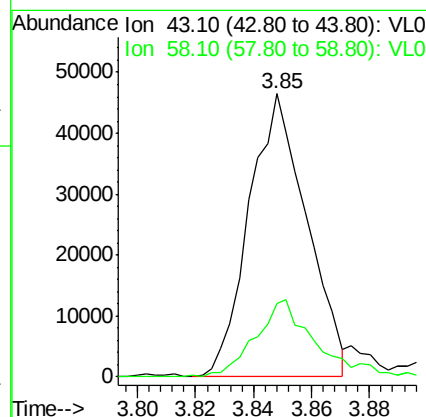
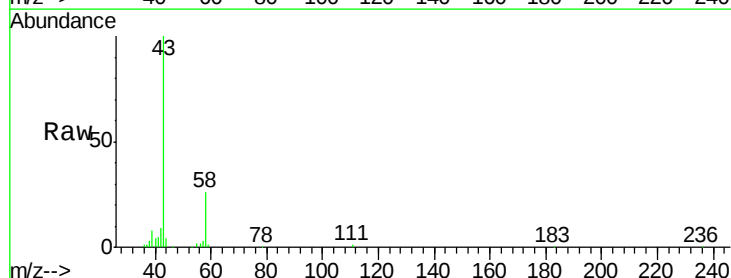
Instrument :
MSVOA_L
ClientSampleId :
50-2DL

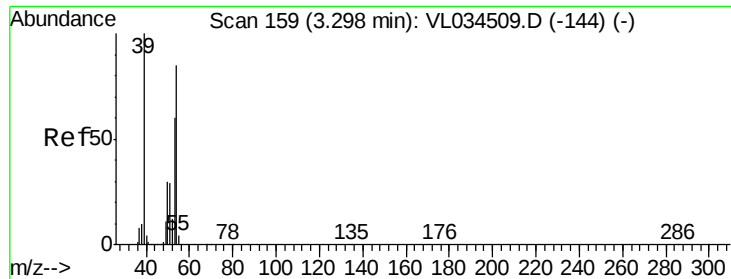
Tgt Ion: 45 Resp: 4488
Ion Ratio Lower Upper
45 100
46 0.0 14.9 59.7#



#15
Acetone
Concen: 0.497 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.02 min
Lab File: VL034554.D
Acq: 2 Jan 2020 19:58

Tgt Ion: 43 Resp: 64389
Ion Ratio Lower Upper
43 100
58 28.4 20.4 30.6





#16

1,3-Butadiene

Concen: 0.059 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.02 min

Lab File: VL034554.D

Acq: 2 Jan 2020 19:58

Instrument :

MSVOA_L

ClientSampleId :

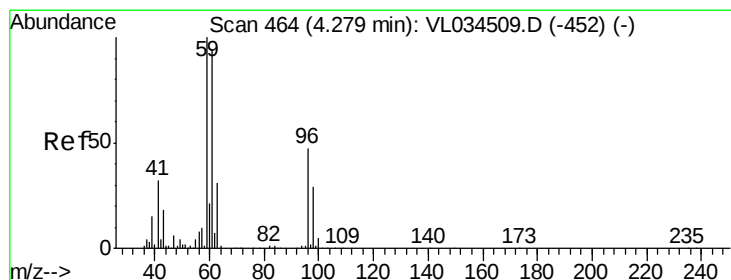
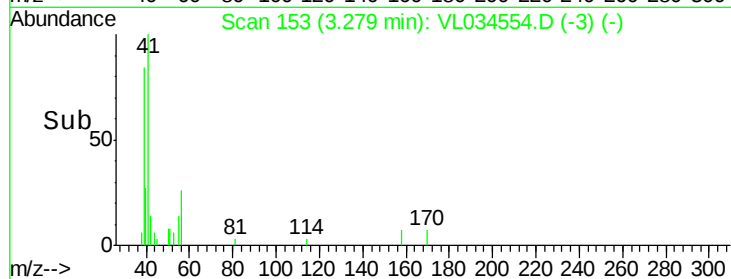
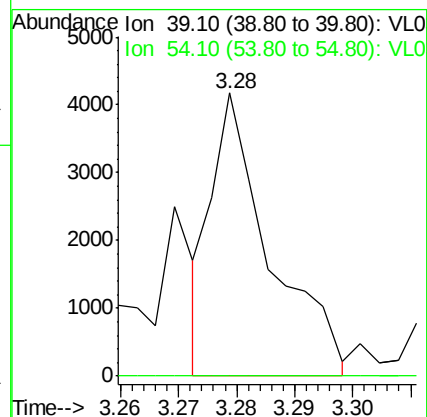
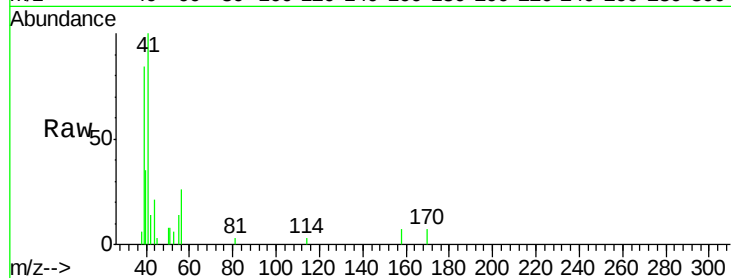
50-2DL

Tgt Ion: 39 Resp: 2916

Ion Ratio Lower Upper

39 100

54 1.9 66.2 99.2#



#17

tert-Butyl alcohol

Concen: 0.038 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.03 min

Lab File: VL034554.D

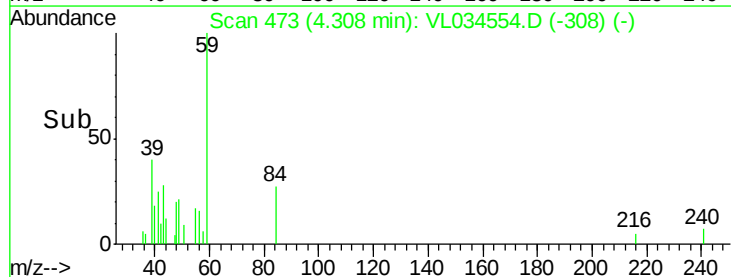
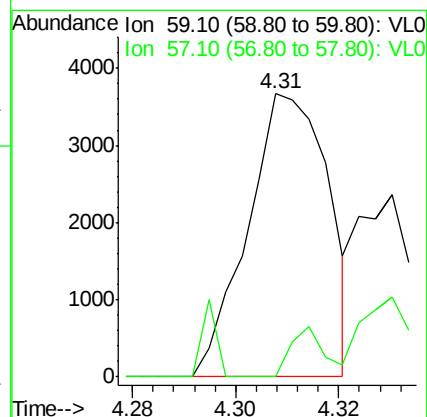
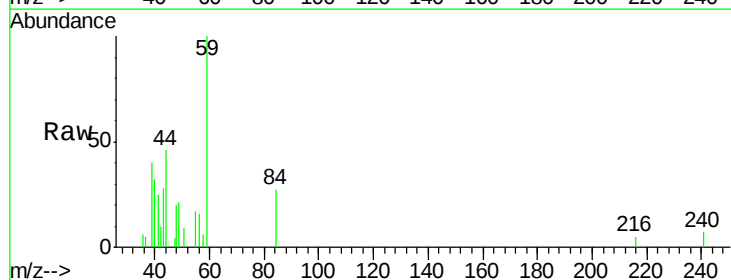
Acq: 2 Jan 2020 19:58

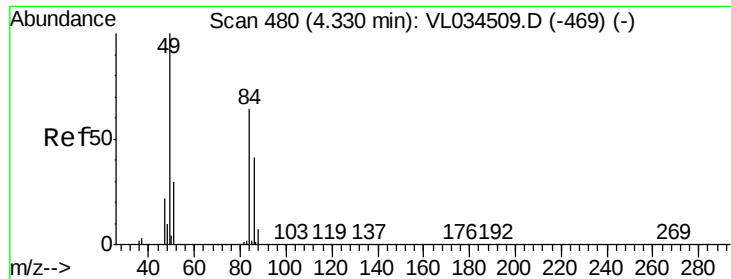
Tgt Ion: 59 Resp: 3963

Ion Ratio Lower Upper

59 100

57 4.9 8.6 12.8#

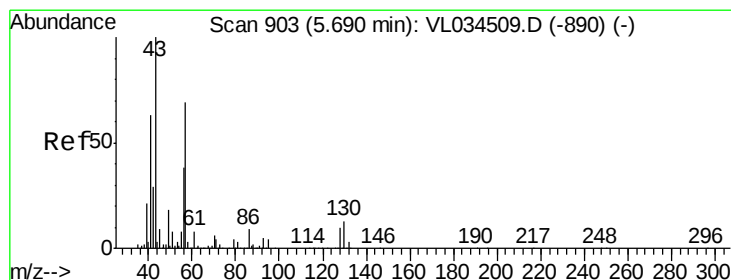
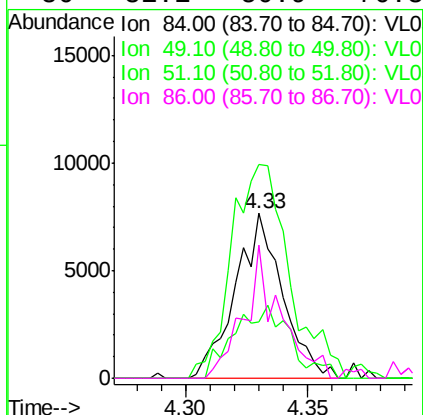
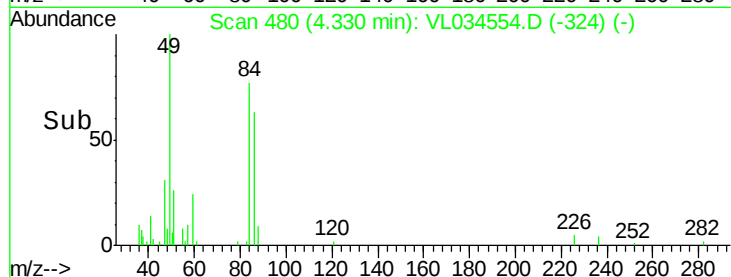
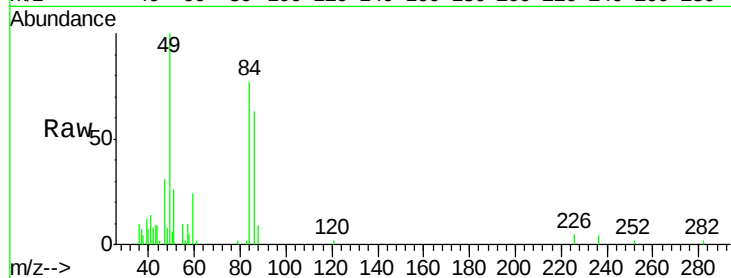




#20
Methylene Chloride
Concen: 0.201 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL034554.D
Acq: 2 Jan 2020 19:58

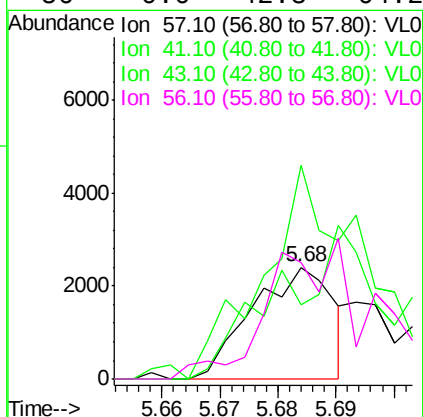
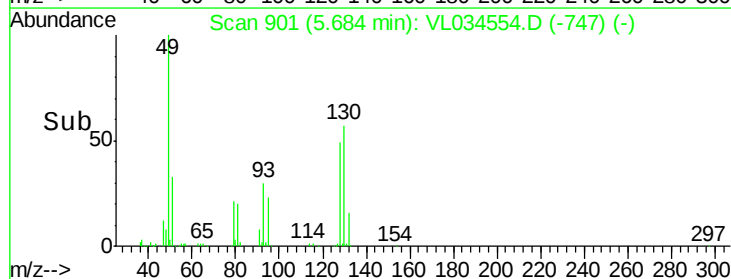
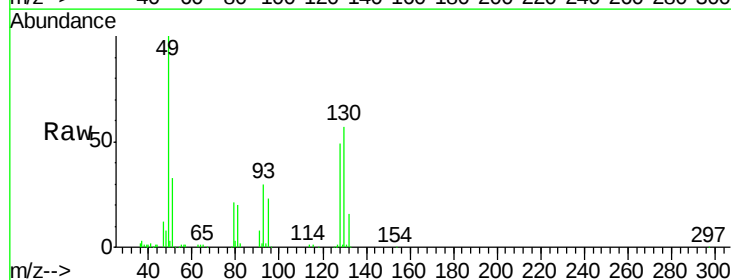
Instrument :
MSVOA_L
ClientSampleId :
50-2DL

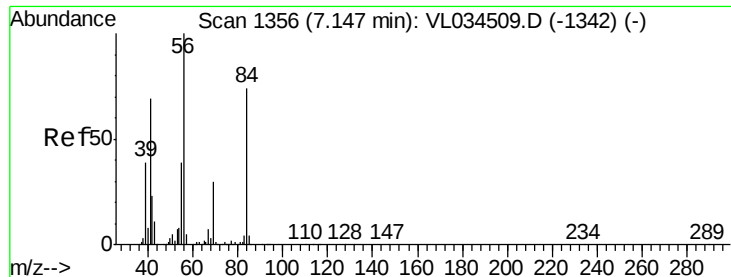
Tgt Ion:	84	Resp:	10258
Ion	Ratio	Lower	Upper
84	100		
49	129.8	124.4	186.6
51	34.0	37.0	55.6#
86	81.1	50.9	76.3#



#26
Hexane
Concen: 0.027 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL034554.D
Acq: 2 Jan 2020 19:58

Tgt Ion:	57	Resp:	2331
Ion	Ratio	Lower	Upper
57	100		
41	250.8	75.3	112.9#
43	0.0	189.4	284.2#
56	0.0	42.8	64.2#

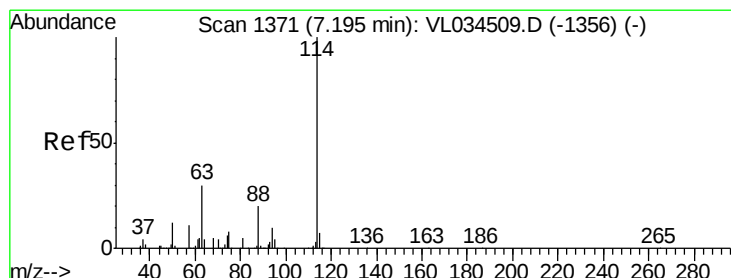
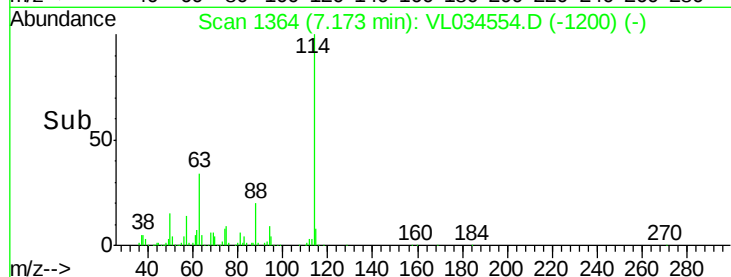
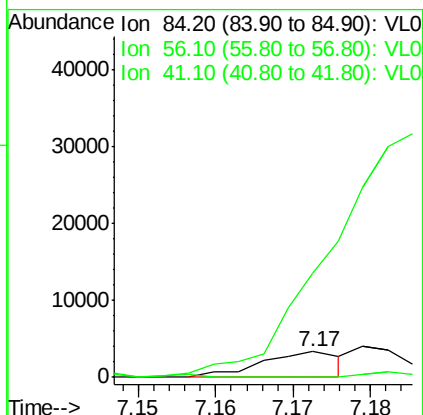
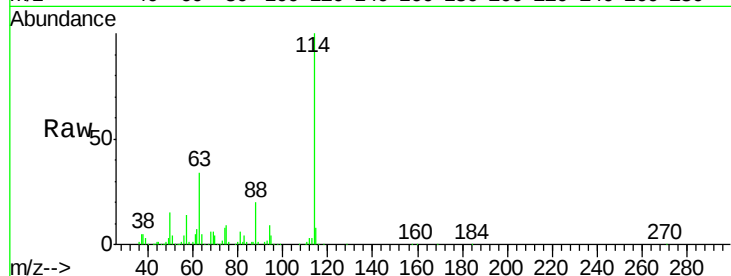




#30
Cyclohexane
Concen: 0.038 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.03 min
Lab File: VL034554.D
Acq: 2 Jan 2020 19:58

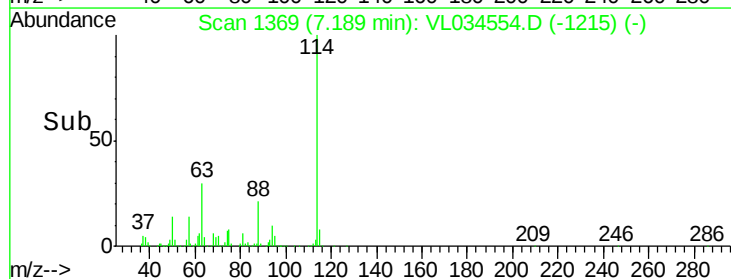
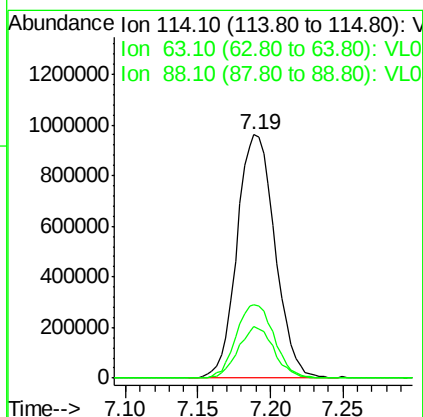
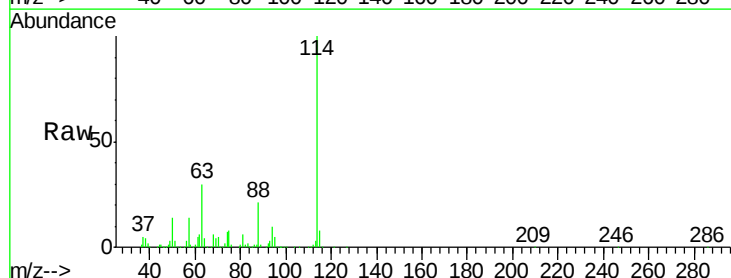
Instrument :
MSVOA_L
ClientSampled :
50-2DL

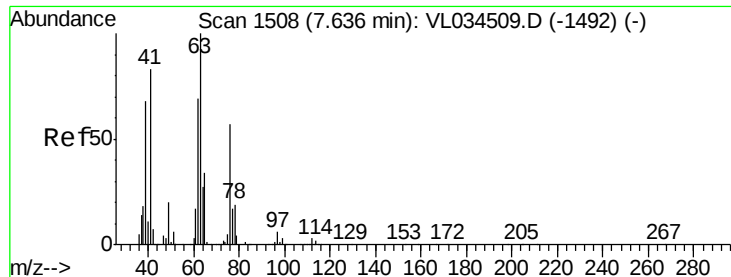
Tgt Ion: 84 Resp: 2393
Ion Ratio Lower Upper
84 100
56 0.0 112.7 169.1#
41 15.2 73.0 109.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL034554.D
Acq: 2 Jan 2020 19:58

Tgt Ion: 114 Resp: 1747061
Ion Ratio Lower Upper
114 100
63 30.5 24.1 36.1
88 20.0 15.7 23.5





#39

1,2-Dichloropropane

Concen: 8.446 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.45 min

Lab File: VL034554.D

Acq: 2 Jan 2020 19:58

Instrument :

MSVOA_L

ClientSampleId :

50-2DL

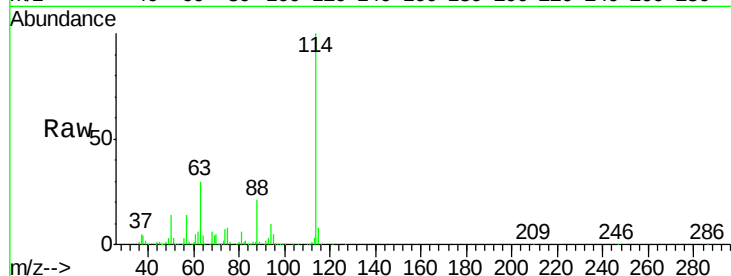
Tgt Ion: 63 Resp: 528900

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

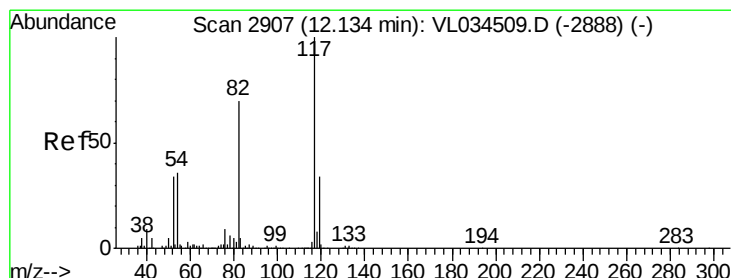
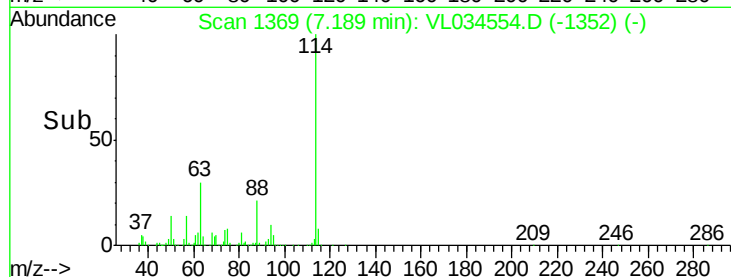
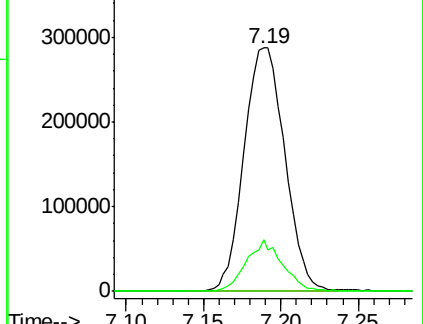
62 21.4 54.9 82.3#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.01 min

Lab File: VL034554.D

Acq: 2 Jan 2020 19:58

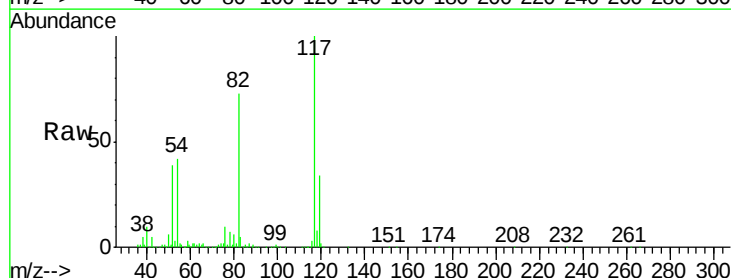
Tgt Ion: 117 Resp: 1741452

Ion Ratio Lower Upper

117 100

82 72.3 56.2 84.4

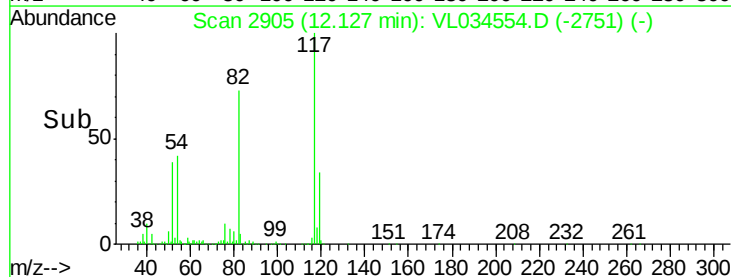
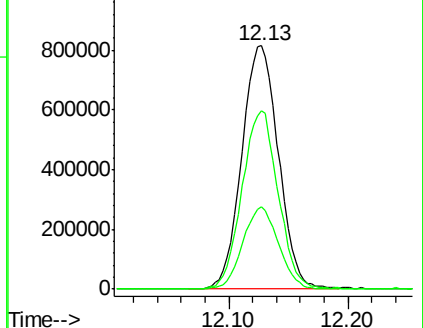
119 32.9 27.1 40.7

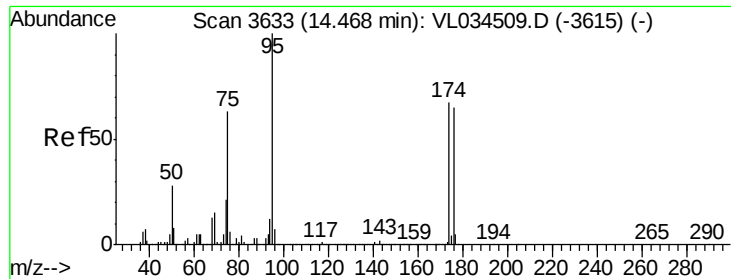


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.273 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VL034554.D
 Acq: 2 Jan 2020 19:58

Instrument :
 MSVOA_L
 ClientSampleId :
 50-2DL

Tgt Ion: 95 Resp: 1492801
 Ion Ratio Lower Upper
 95 100
 174 62.9 52.4 78.6
 175 4.6 3.9 5.9

