

Data File : VL034586.D
Acq On : 4 Feb 2020 19:12
Operator : SY/AP
Sample : L1357-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

Quant Time: Feb 05 05:45:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1024874	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2090684	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2097453	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.46 95 1777389 10.03 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	11161	0.049	ppbv	89
9) Propene	2.98	41	20912	0.434	ppbv #	72
13) Ethanol	3.58	45	347529	26.908	ppbv	97
15) Acetone	3.83	43	134576	0.893	ppbv	94
19) Isopropyl Alcohol	3.95	45	886372	10.084	ppbv	100
20) Methylene Chloride	4.33	84	7188	0.125	ppbv	92
25) Ethyl Acetate	5.68	43	15358	0.063	ppbv #	90
26) Hexane	5.68	57	5892	0.058	ppbv #	32
34) 2-Butanone	5.25	43	10161	0.067	ppbv #	56
39) 1,2-Dichloropropane	7.19	63	620082	8.045	ppbv #	19
53) Toluene	9.83	91	22187	0.109	ppbv	96

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

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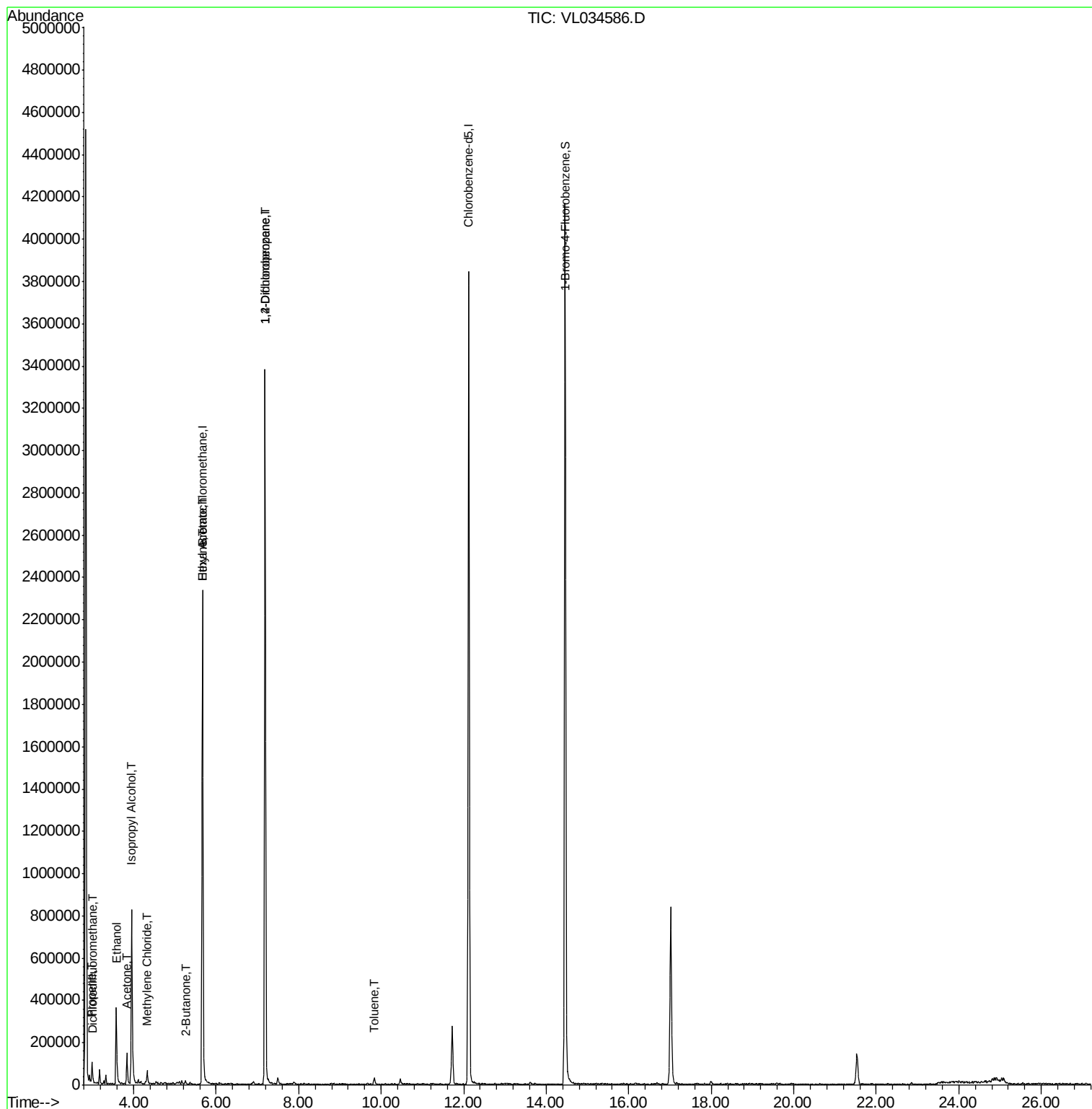
Quant Time: Feb 05 05:45:19 2020

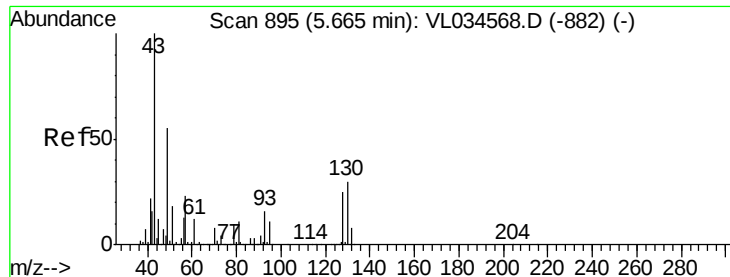
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020

QLast Update : Thu Jan 30 17:16:44 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

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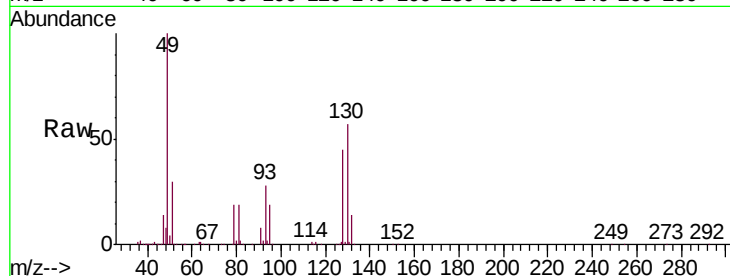
Tgt Ion: 49 Resp: 1024874

Ion Ratio Lower Upper

49 100

128 46.1 22.7 68.1

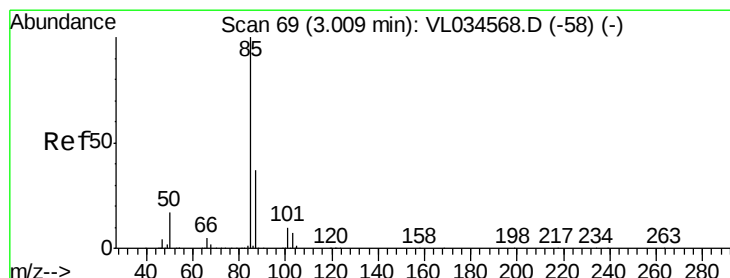
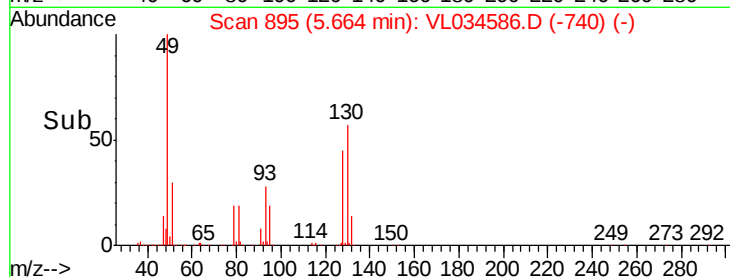
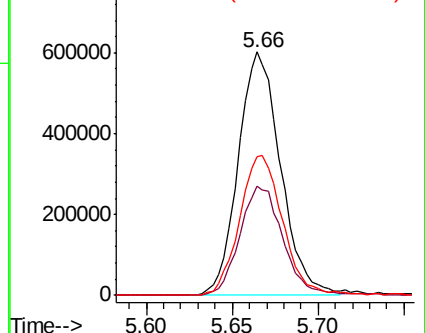
130 59.7 28.6 85.8



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



#2

Dichlorodifluoromethane

Concen: 0.049 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL034586.D

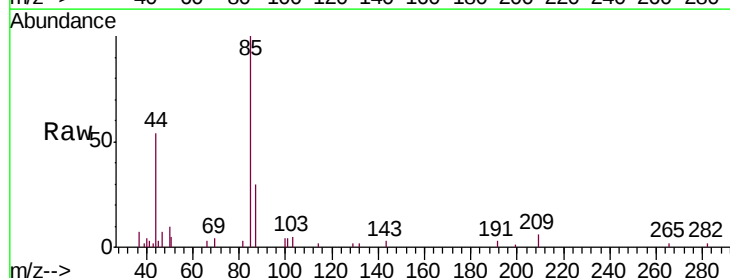
Acq: 4 Feb 2020 19:12

Tgt Ion: 85 Resp: 11161

Ion Ratio Lower Upper

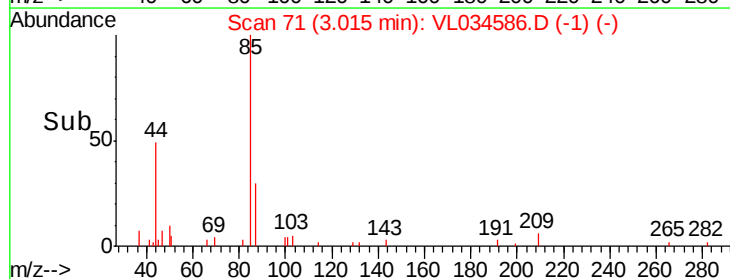
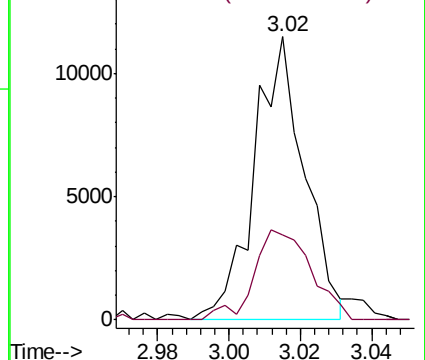
85 100

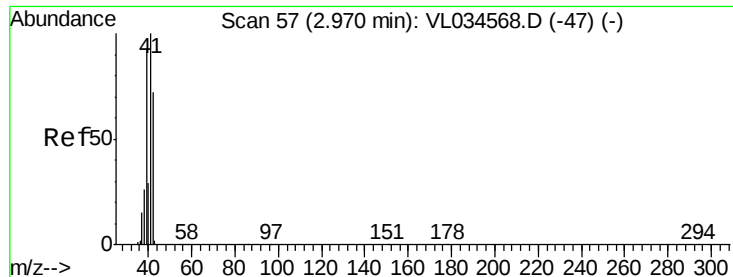
87 30.1 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.434 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

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ClientSampleId :

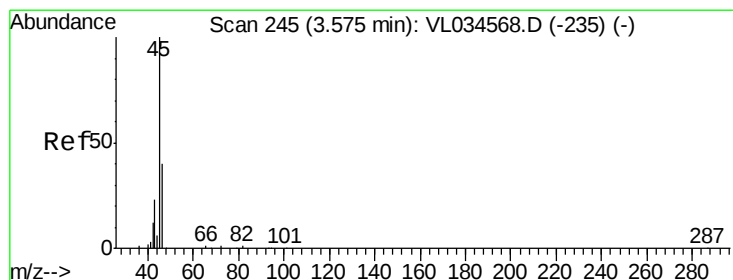
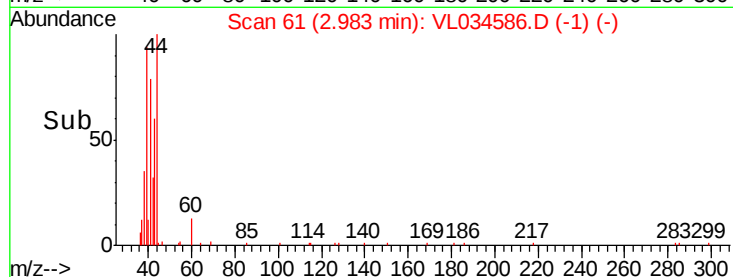
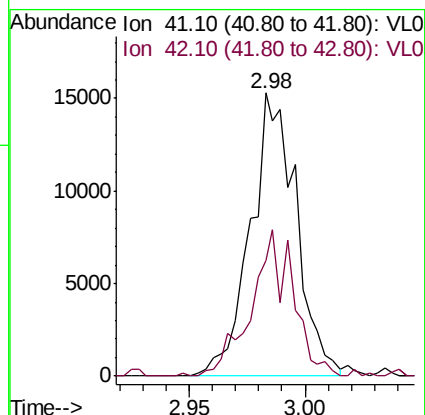
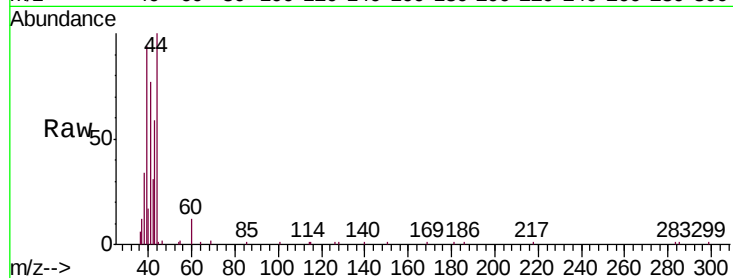
IA-2DL

Tgt Ion: 41 Resp: 20912

Ion Ratio Lower Upper

41 100

42 47.7 57.0 85.4#



#13

Ethanol

Concen: 26.908 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL034586.D

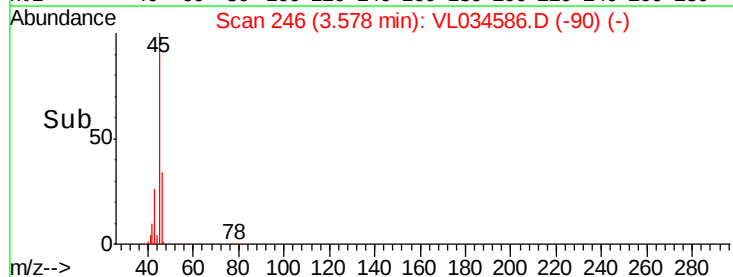
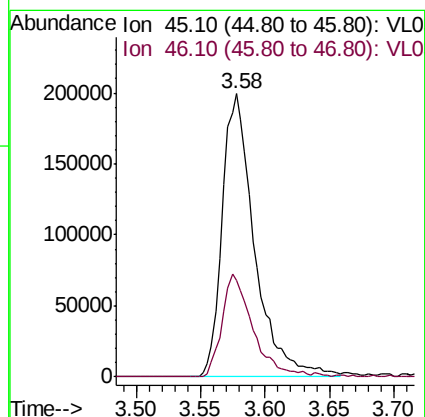
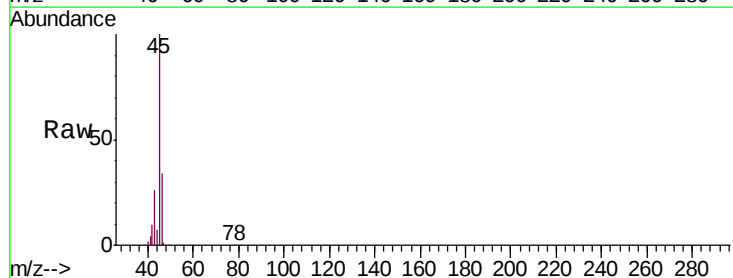
Acq: 4 Feb 2020 19:12

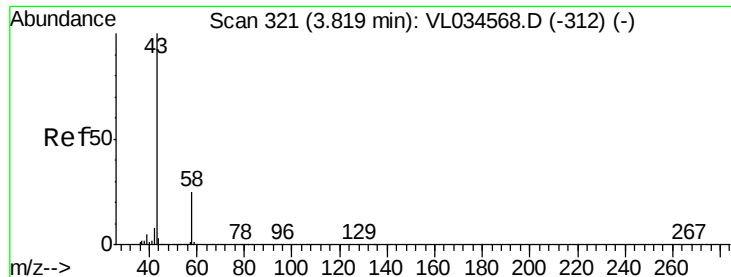
Tgt Ion: 45 Resp: 347529

Ion Ratio Lower Upper

45 100

46 35.2 14.8 59.2

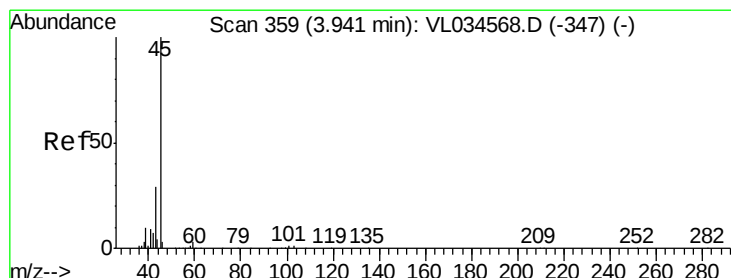
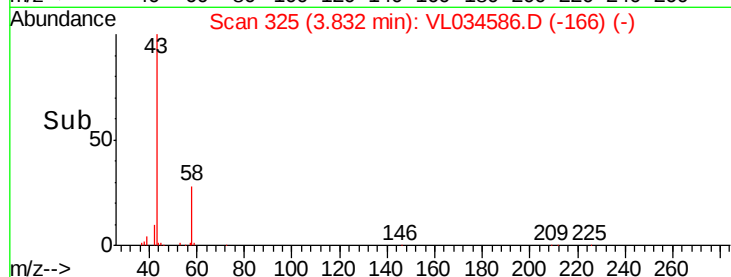
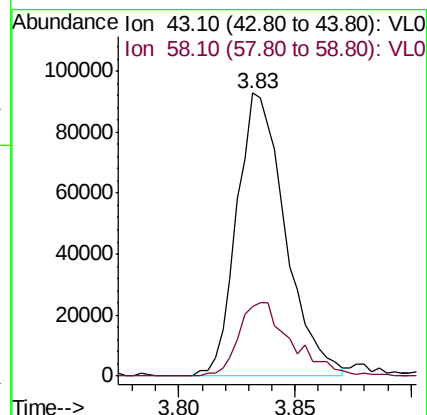
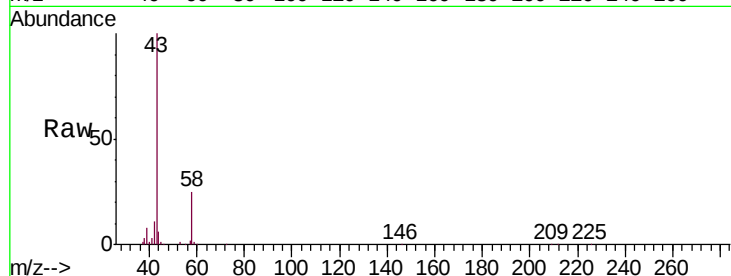




#15
Acetone
Concen: 0.893 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034586.D
Acq: 4 Feb 2020 19:12

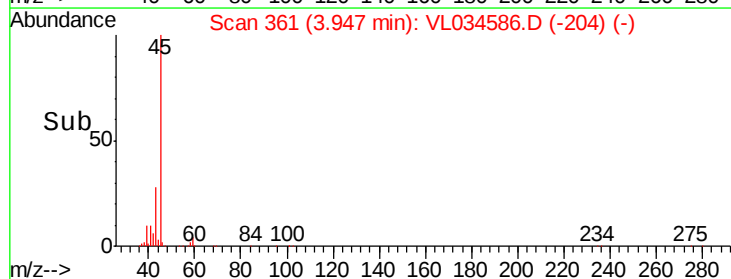
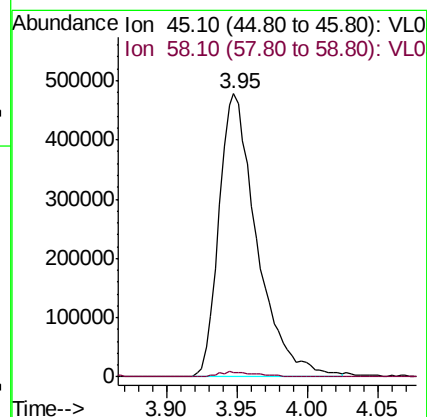
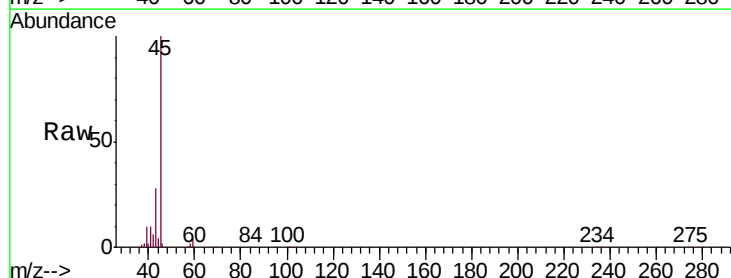
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

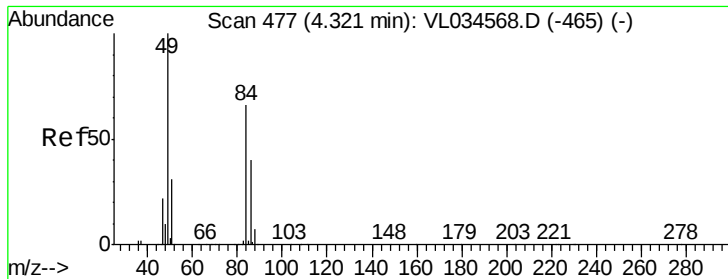
Tgt Ion: 43 Resp: 134576
Ion Ratio Lower Upper
43 100
58 28.4 20.3 30.5



#19
Isopropyl Alcohol
Concen: 10.084 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.01 min
Lab File: VL034586.D
Acq: 4 Feb 2020 19:12

Tgt Ion: 45 Resp: 886372
Ion Ratio Lower Upper
45 100
58 2.1 1.7 2.5

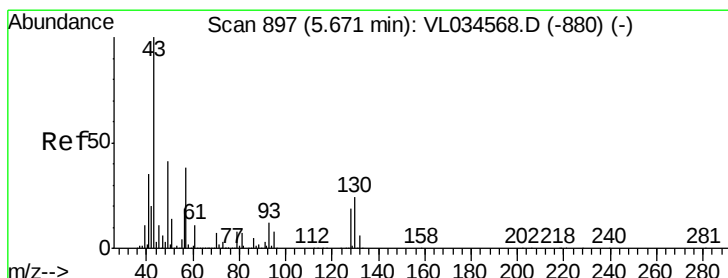
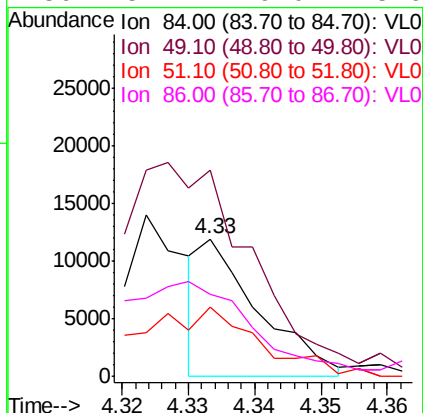
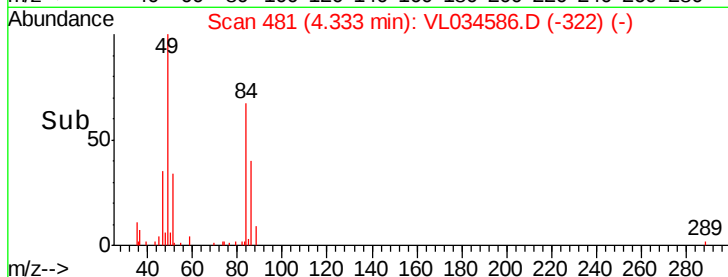
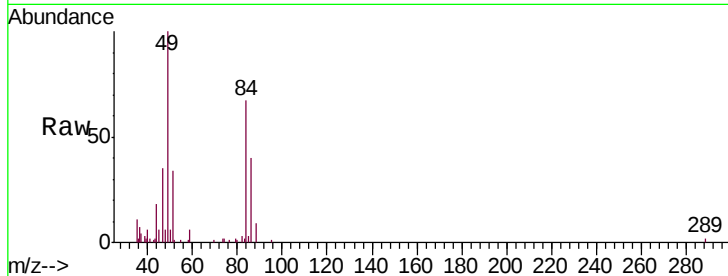




#20
Methylene Chloride
Concen: 0.125 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL034586.D
Acq: 4 Feb 2020 19:12

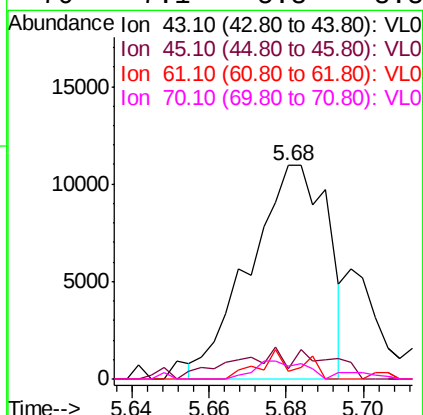
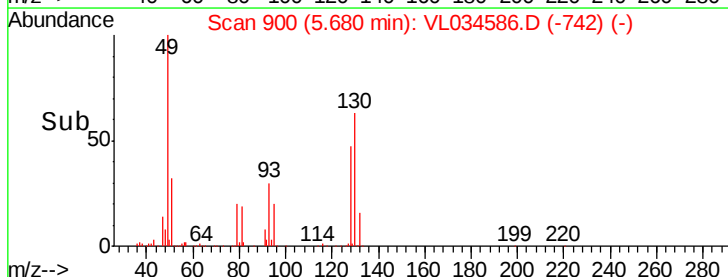
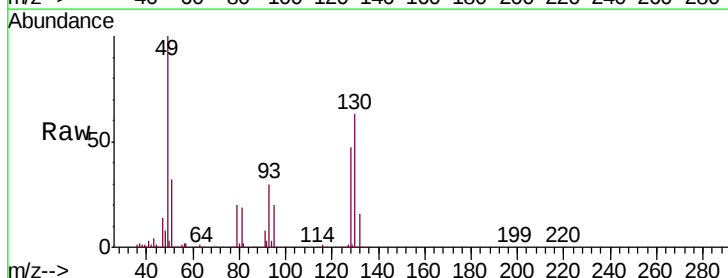
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

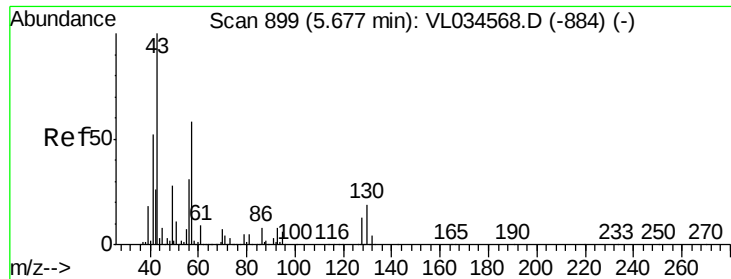
Tgt Ion:	84	Resp:	7188
Ion	Ratio	Lower	Upper
84	100		
49	142.4	122.4	183.6
51	53.1	38.6	57.8
86	54.7	49.0	73.6



#25
Ethyl Acetate
Concen: 0.063 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL034586.D
Acq: 4 Feb 2020 19:12

Tgt Ion:	43	Resp:	15358
Ion	Ratio	Lower	Upper
43	100		
45	17.1	8.5	12.7#
61	6.6	7.8	11.6#
70	7.1	5.8	8.8

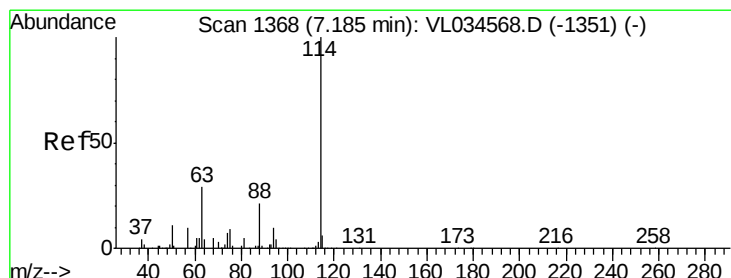
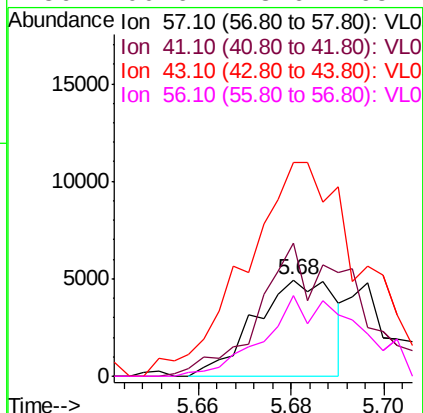
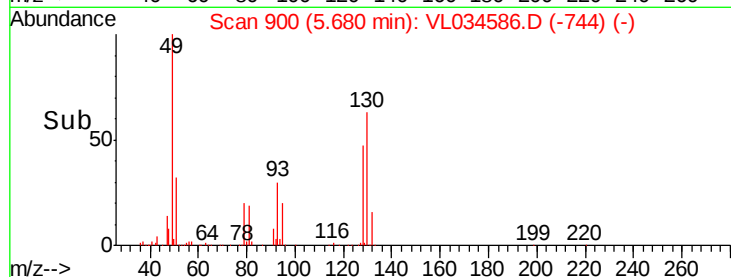
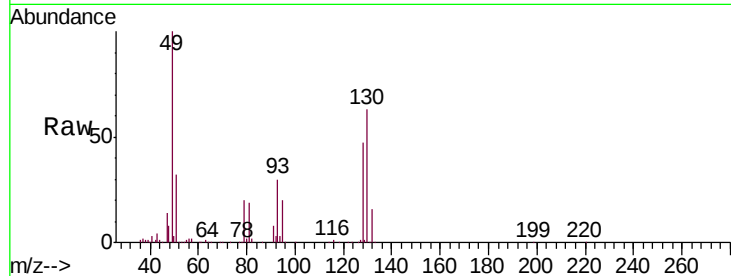




#26
Hexane
Concen: 0.058 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034586.D
Acq: 4 Feb 2020 19:12

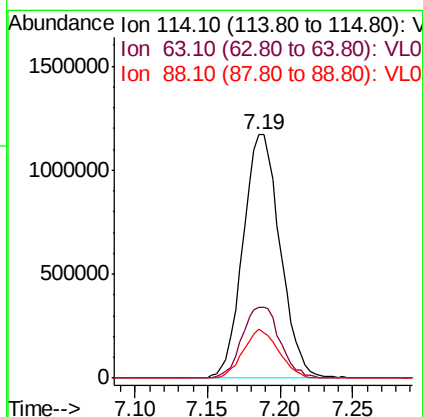
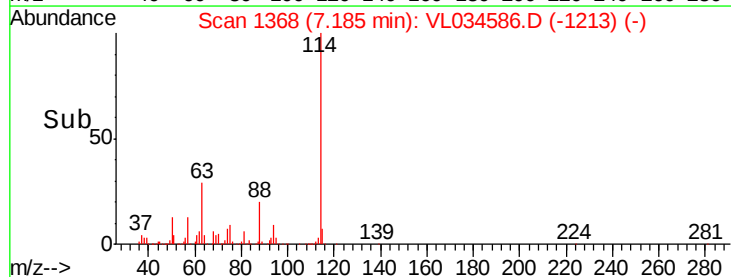
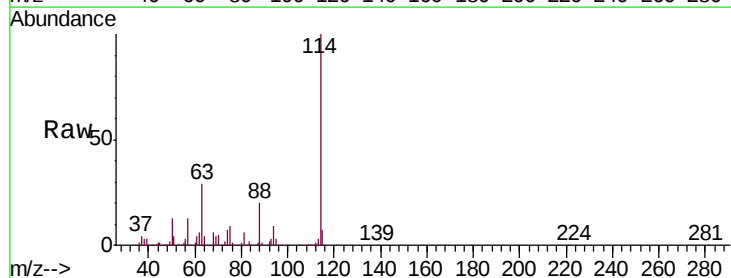
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

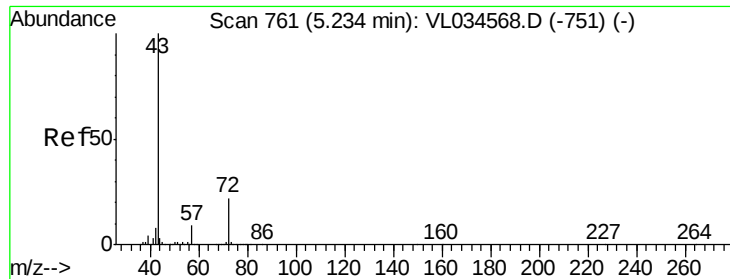
Tgt Ion:	57	Resp:	5892
Ion	Ratio	Lower	Upper
57	100		
41	181.6	76.2	114.2#
43	340.6	189.9	284.9#
56	100.6	43.6	65.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VL034586.D
Acq: 4 Feb 2020 19:12

Tgt Ion:	114	Resp:	2090684
Ion	Ratio	Lower	Upper
114	100		
63	29.9	24.1	36.1
88	19.3	15.9	23.9

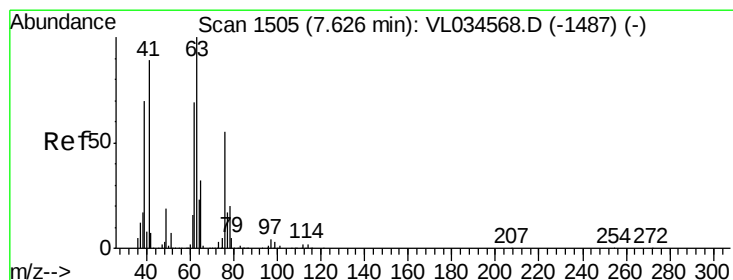
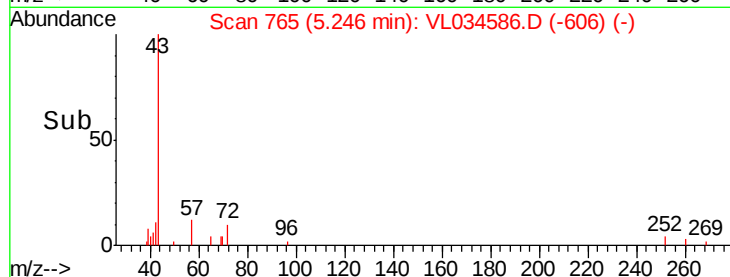
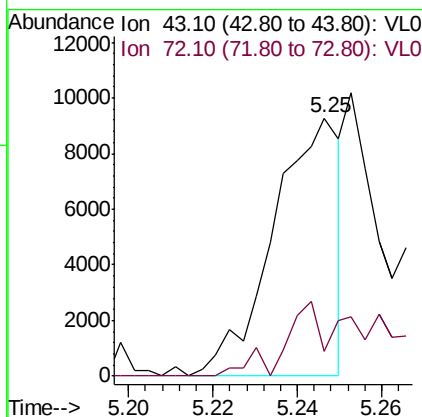
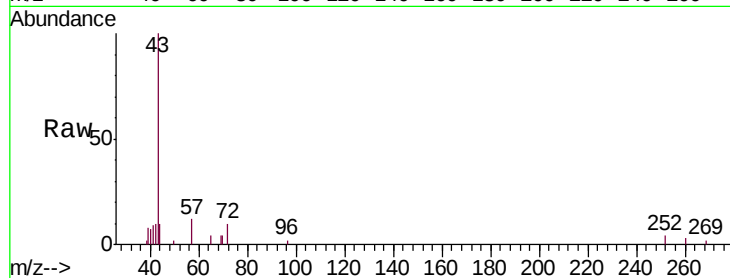




#34
 2-Butanone
 Concen: 0.067 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL034586.D
 Acq: 4 Feb 2020 19:12

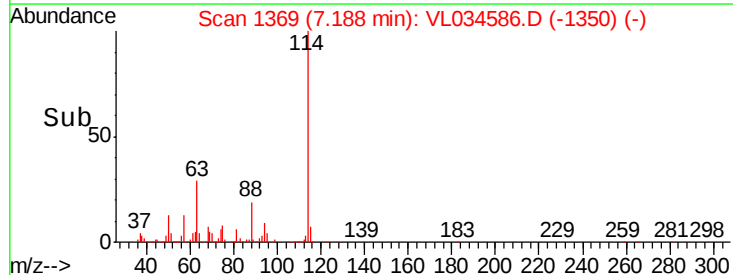
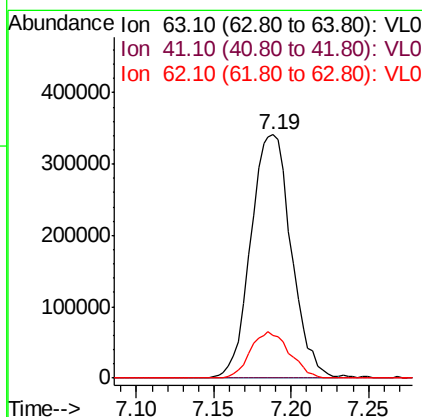
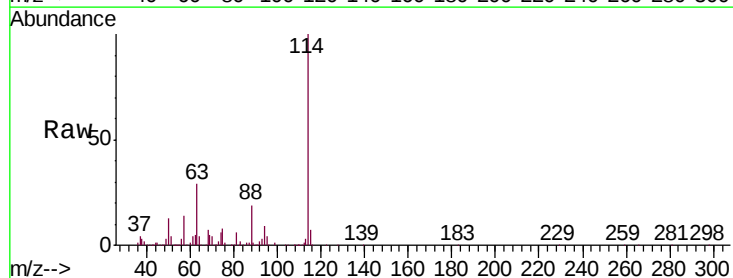
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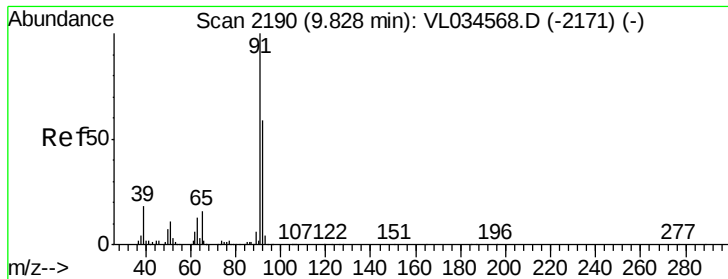
Tgt Ion: 43 Resp: 10161
 Ion Ratio Lower Upper
 43 100
 72 42.3 17.2 25.8#



#39
 1,2-Dichloropropane
 Concen: 8.045 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.44 min
 Lab File: VL034586.D
 Acq: 4 Feb 2020 19:12

Tgt Ion: 63 Resp: 620082
 Ion Ratio Lower Upper
 63 100
 41 0.1 71.0 106.4#
 62 17.5 55.4 83.0#





#53

Toluene

Concen: 0.109 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL034586.D

Acq: 4 Feb 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

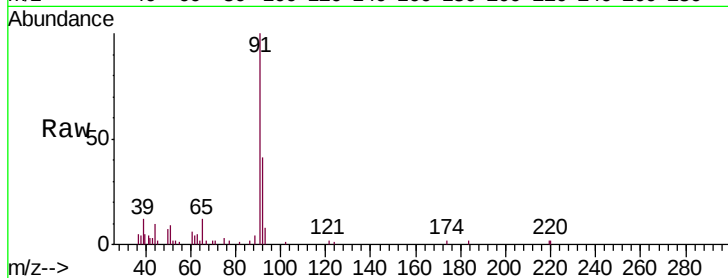
IA-2DL

Tgt Ion: 91 Resp: 22187

Ion Ratio Lower Upper

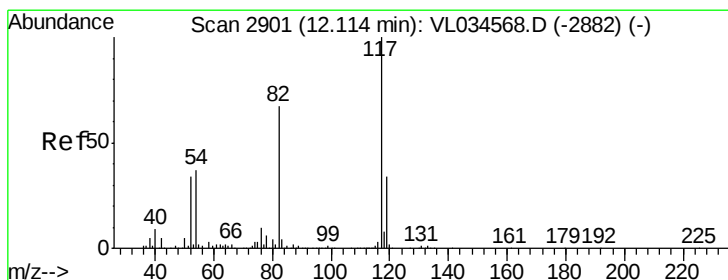
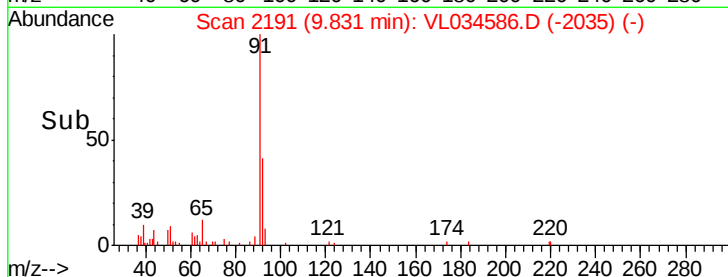
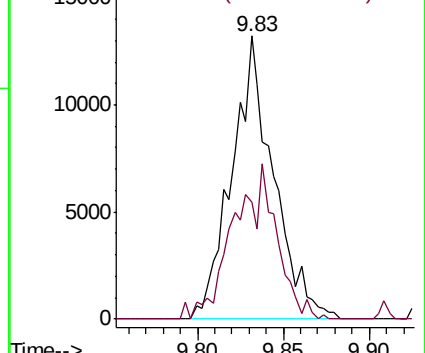
91 100

92 57.1 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.01 min

Lab File: VL034586.D

Acq: 4 Feb 2020 19:12

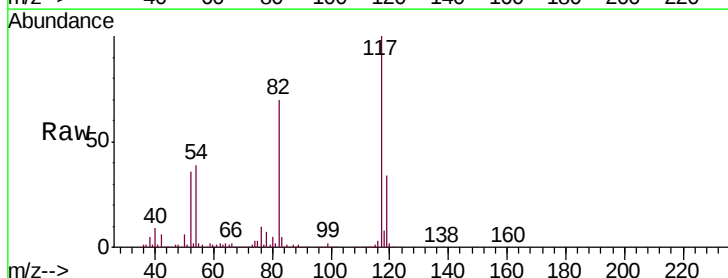
Tgt Ion: 117 Resp: 2097453

Ion Ratio Lower Upper

117 100

82 71.1 54.2 81.4

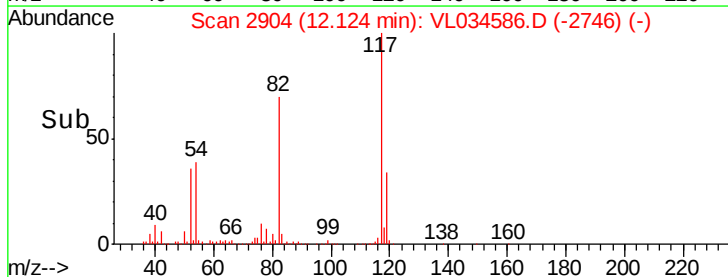
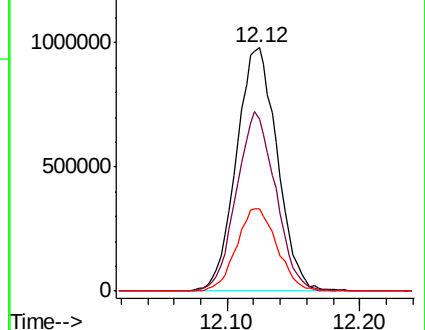
119 33.6 26.1 39.1

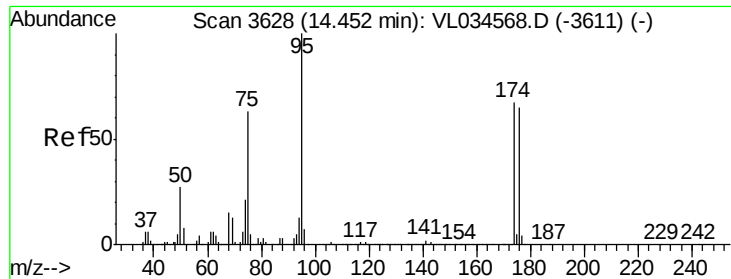


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.027 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.01 min

Lab File: VL034586.D

Acq: 4 Feb 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion: 95 Resp: 1777389

Ion Ratio Lower Upper

95 100

174 64.4 52.3 78.5

175 4.6 3.8 5.6

