

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
 Data File : VL034287.D
 Acq On : 14 Oct 2019 18:37
 Operator : SY/AP
 Sample : K5353-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: Oct 15 02:49:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1061979	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1798098	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1756743	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1554758	10.19	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

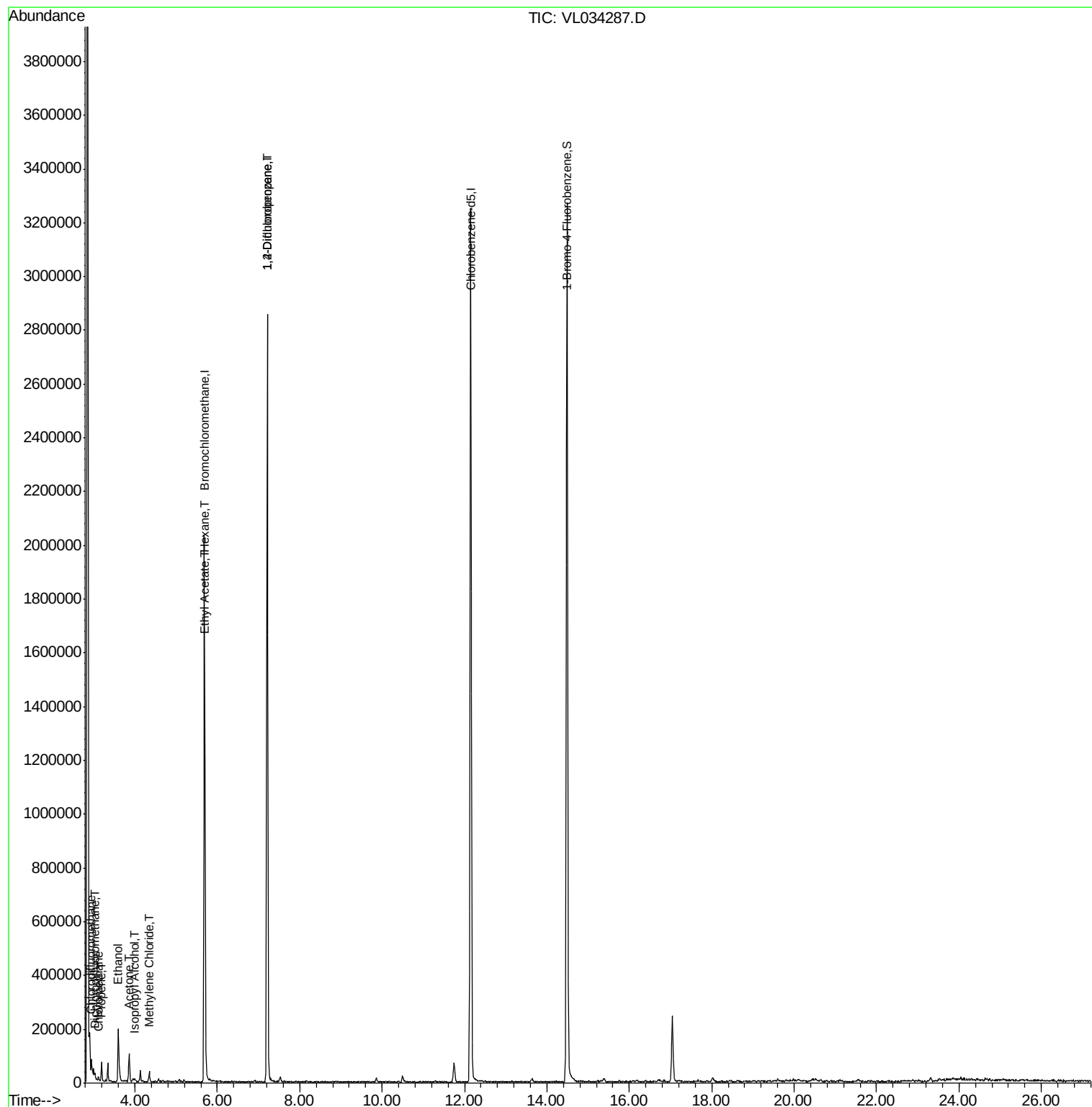
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	9636	0.061	ppbv	93
3) Chlorodifluoromethane	2.94	51	48215	0.387	ppbv #	75
4) Chloromethane	3.12	50	3344	0.046	ppbv #	79
9) Propene	3.19	41	16259	0.265	ppbv	97
13) Ethanol	3.59	45	216285	14.539	ppbv	95
15) Acetone	3.85	43	93182	0.655	ppbv	94
19) Isopropyl Alcohol	3.99	45	6361	0.073	ppbv #	1
20) Methylene Chloride	4.35	84	5144	0.125	ppbv #	76
25) Ethyl Acetate	5.71	43	13783	0.051	ppbv #	92
26) Hexane	5.70	57	4539	0.041	ppbv #	23
39) 1,2-Dichloropropane	7.21	63	590611	6.619	ppbv #	20

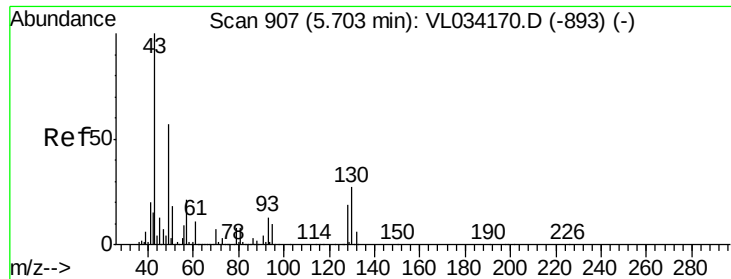
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

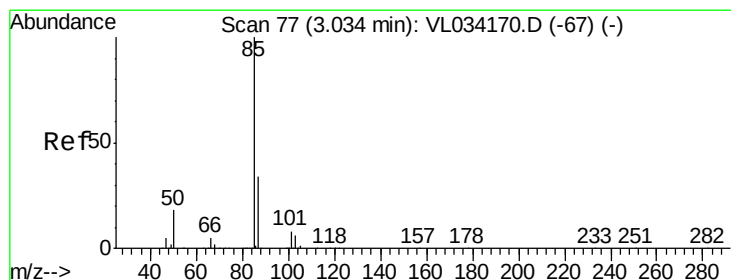
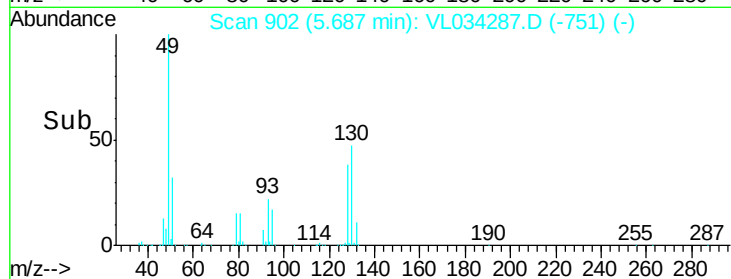
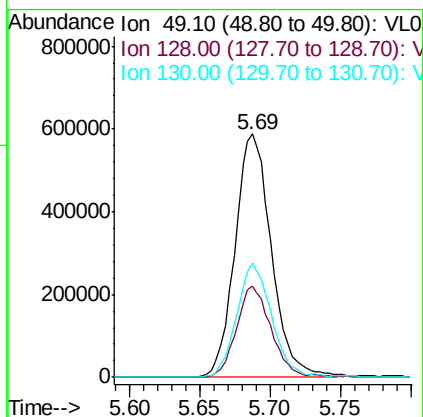
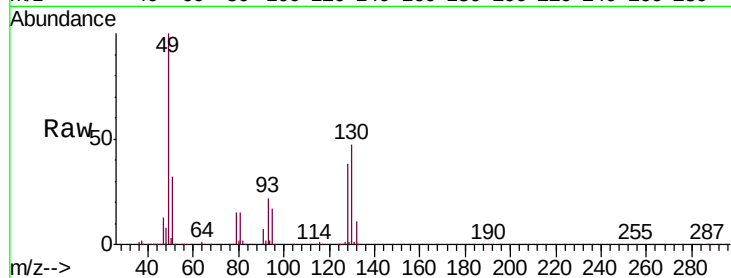




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: VL034287.D
 Acq: 14 Oct 2019 18:37

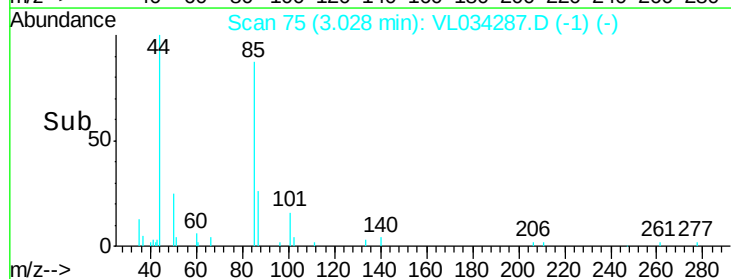
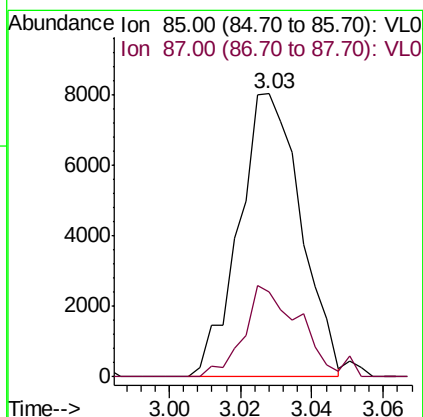
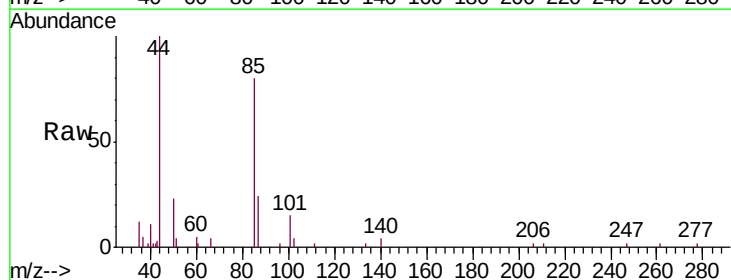
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

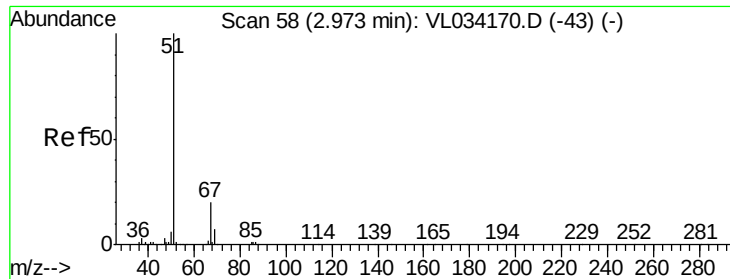
Tgt Ion: 49 Resp: 1061979
 Ion Ratio Lower Upper
 49 100
 128 36.2 17.6 52.9
 130 45.0 22.3 66.9



#2
 Dichlorodifluoromethane
 Concen: 0.061 ppbv
 RT: 3.03 min Scan# 75
 Delta R.T. -0.01 min
 Lab File: VL034287.D
 Acq: 14 Oct 2019 18:37

Tgt Ion: 85 Resp: 9636
 Ion Ratio Lower Upper
 85 100
 87 30.2 27.2 40.8





#3

Chlorodifluoromethane

Concen: 0.387 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.03 min

Lab File: VL034287.D

Acq: 14 Oct 2019 18:37

Instrument :

MSVOA_L

ClientSampleId :

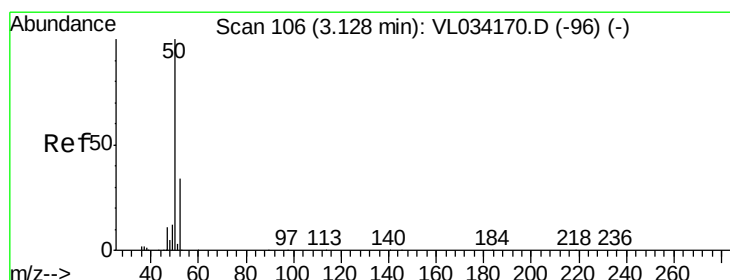
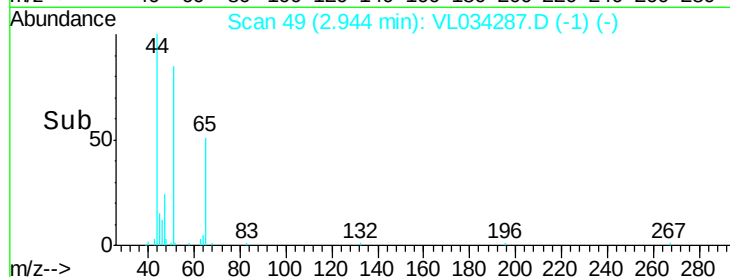
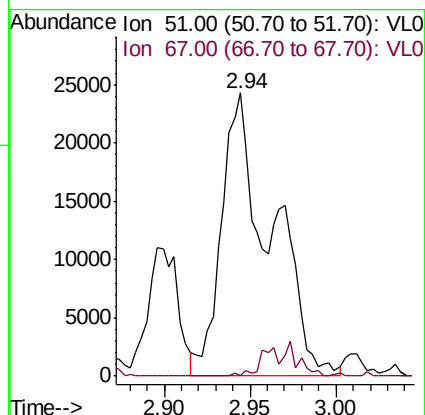
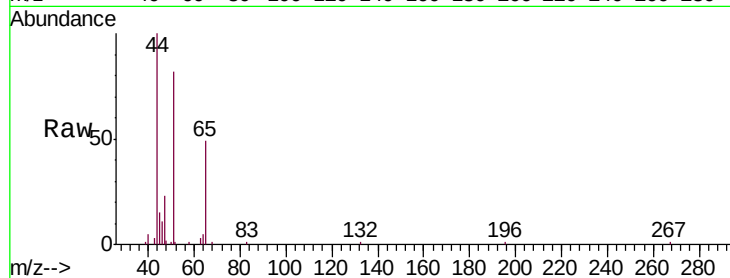
IA-2DL

Tgt Ion: 51 Resp: 48215

Ion Ratio Lower Upper

51 100

67 7.4 14.8 22.2#



#4

Chloromethane

Concen: 0.046 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034287.D

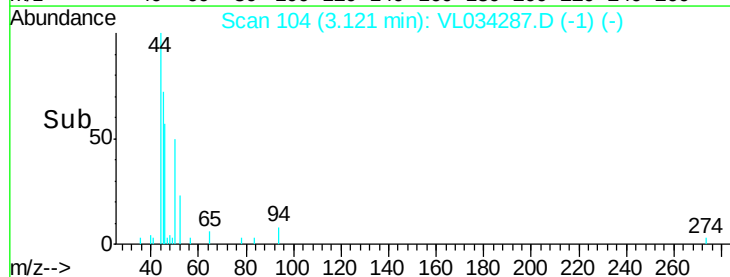
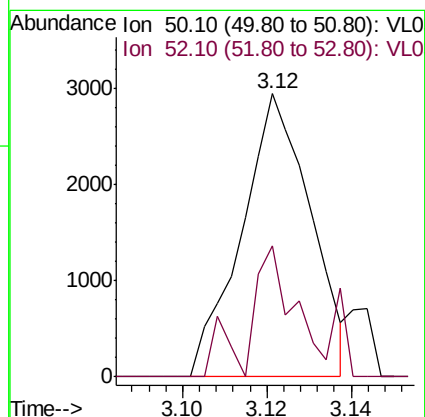
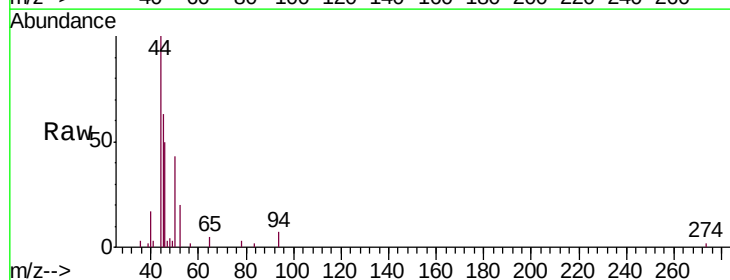
Acq: 14 Oct 2019 18:37

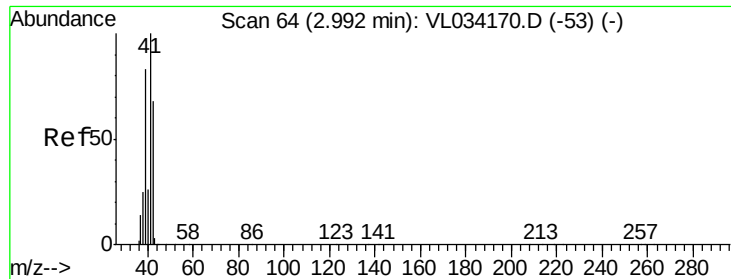
Tgt Ion: 50 Resp: 3344

Ion Ratio Lower Upper

50 100

52 46.2 27.1 40.7#





#9

Propene

Concen: 0.265 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.20 min

Lab File: VL034287.D

Acq: 14 Oct 2019 18:37

Instrument :

MSVOA_L

ClientSampleId :

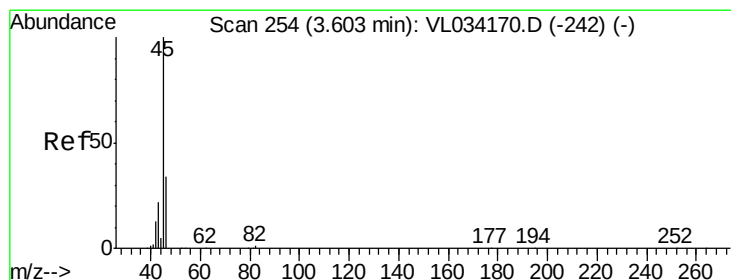
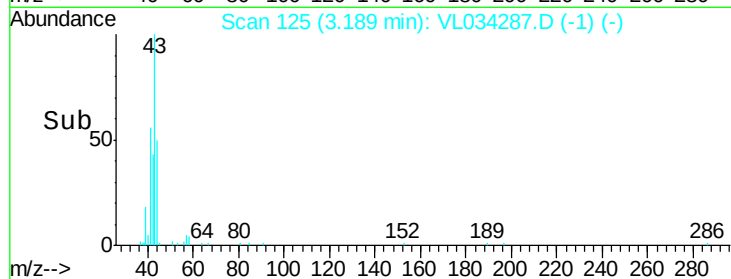
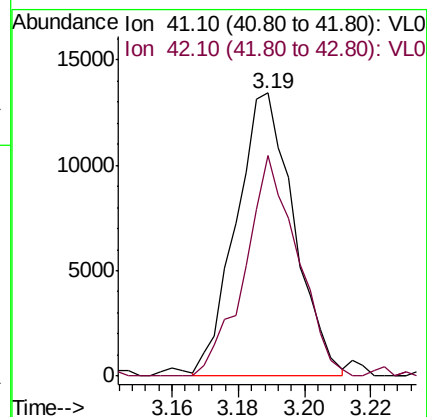
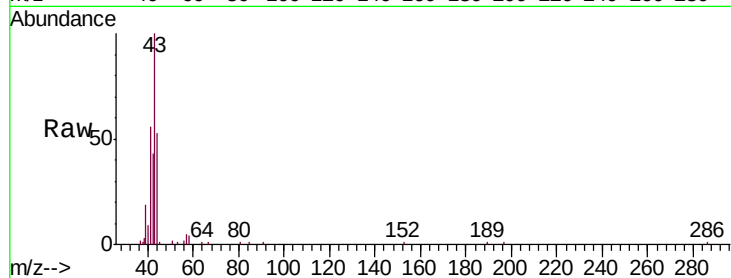
IA-2DL

Tgt Ion: 41 Resp: 16259

Ion Ratio Lower Upper

41 100

42 72.5 55.8 83.6



#13

Ethanol

Concen: 14.539 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.01 min

Lab File: VL034287.D

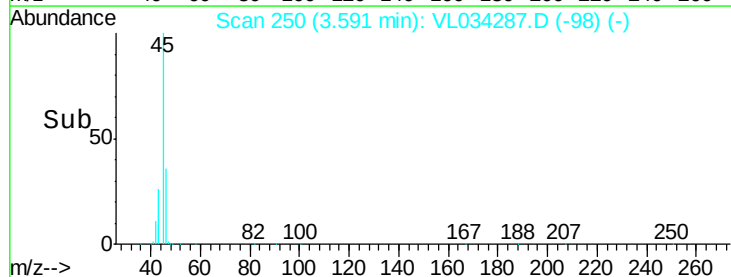
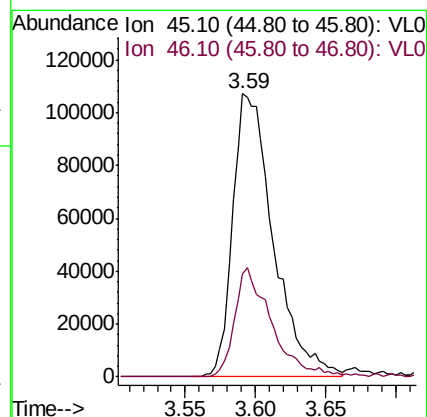
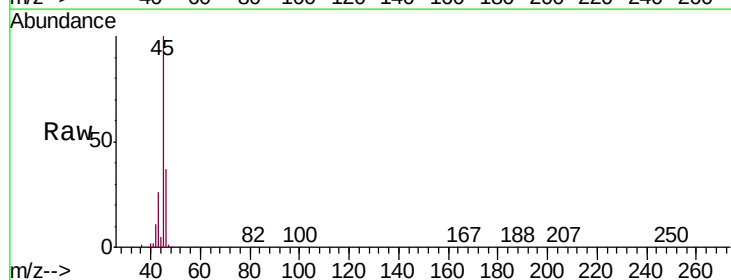
Acq: 14 Oct 2019 18:37

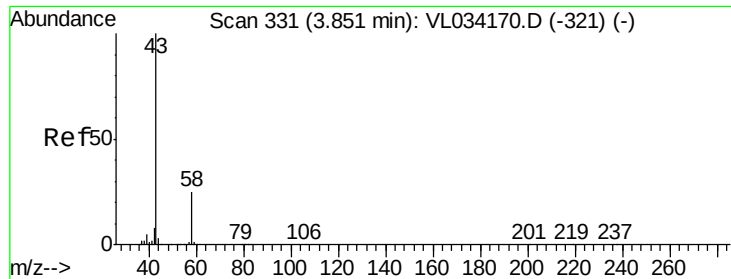
Tgt Ion: 45 Resp: 216285

Ion Ratio Lower Upper

45 100

46 36.0 15.5 61.9

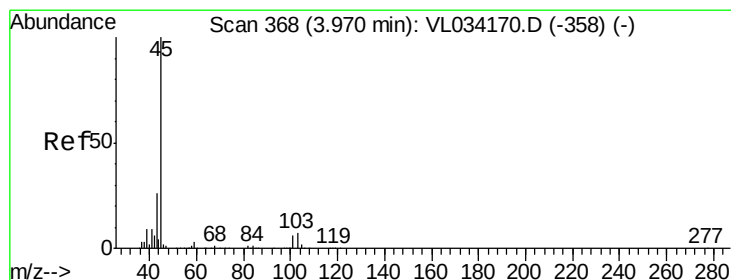
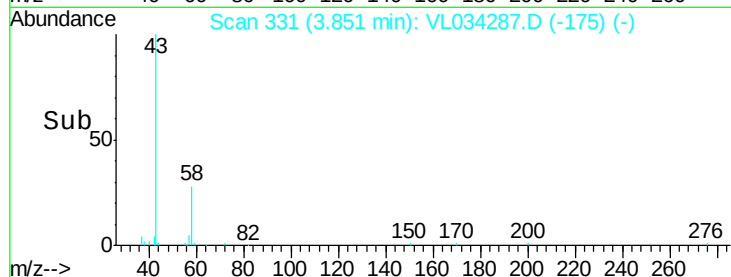
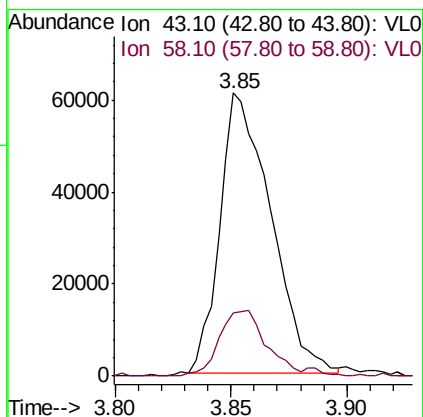
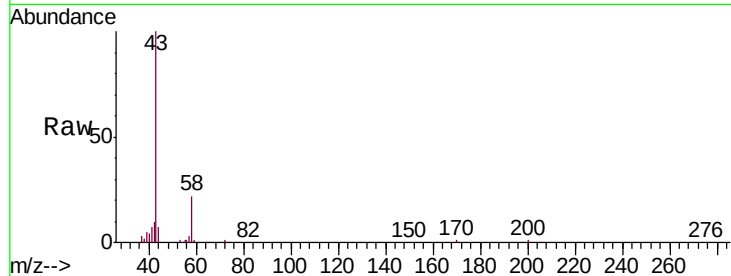




#15
Acetone
Concen: 0.655 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL034287.D
Acq: 14 Oct 2019 18:37

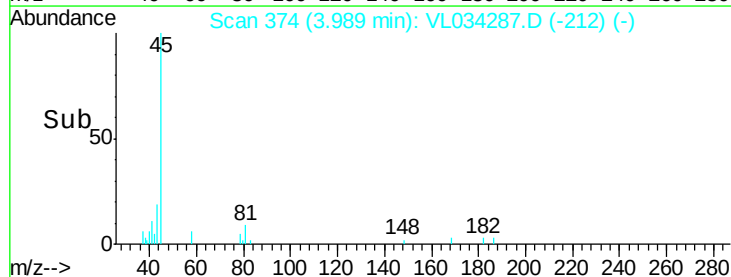
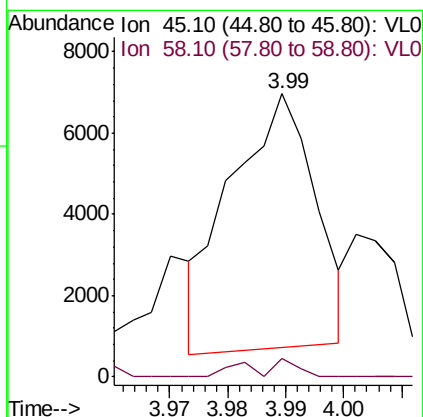
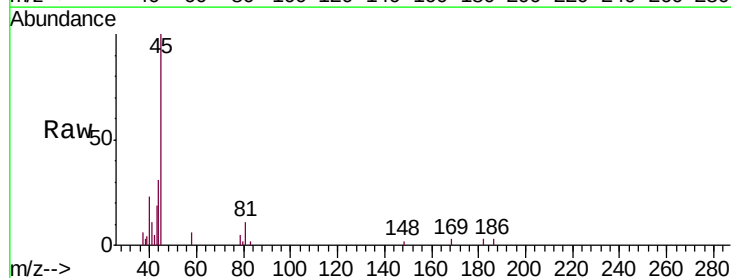
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

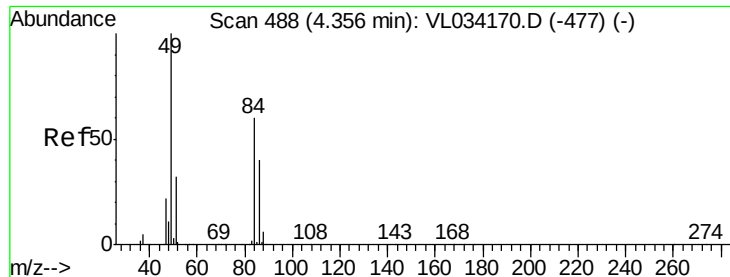
Tgt Ion: 43 Resp: 93182
Ion Ratio Lower Upper
43 100
58 22.5 20.5 30.7



#19
Isopropyl Alcohol
Concen: 0.073 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL034287.D
Acq: 14 Oct 2019 18:37

Tgt Ion: 45 Resp: 6361
Ion Ratio Lower Upper
45 100
58 329.4 1.4 2.0#

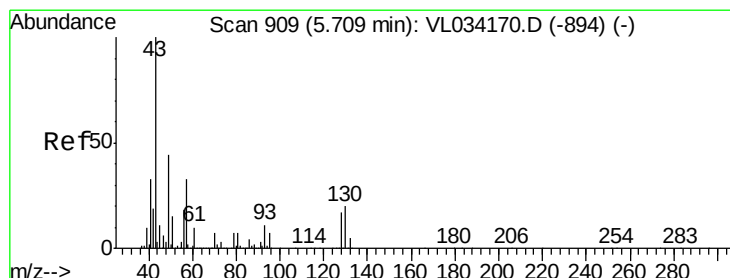
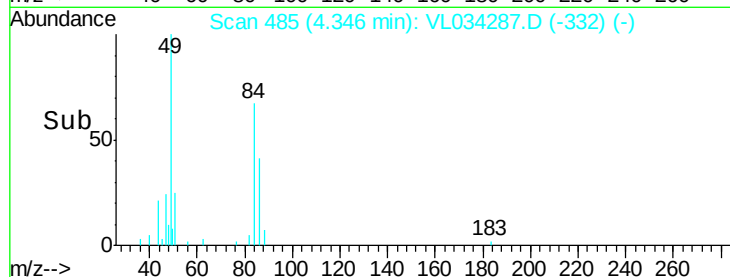
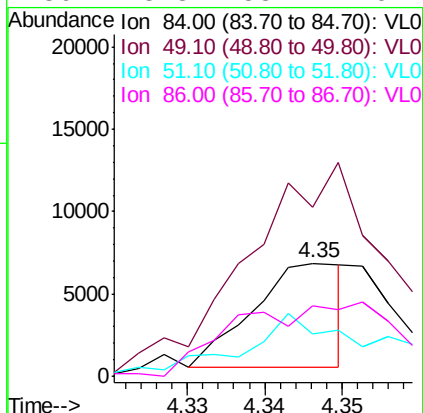
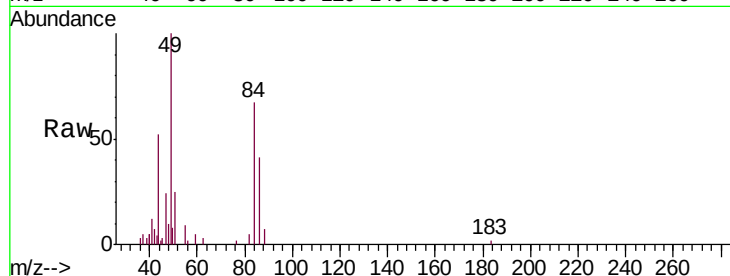




#20
Methylene Chloride
Concen: 0.125 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034287.D
Acq: 14 Oct 2019 18:37

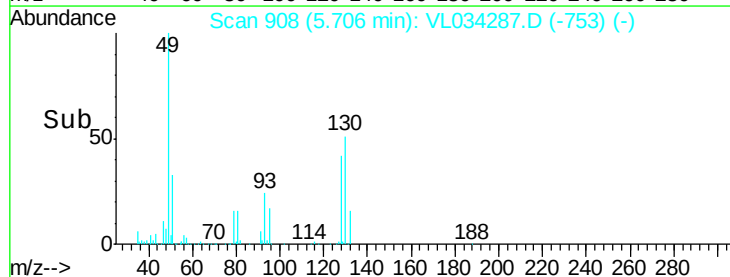
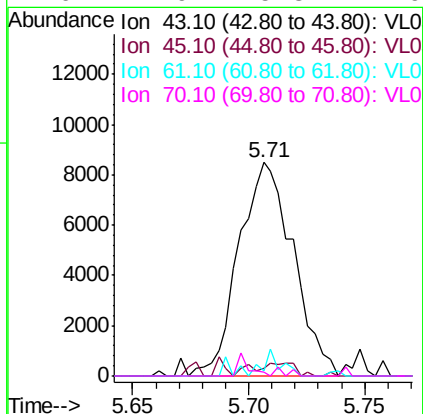
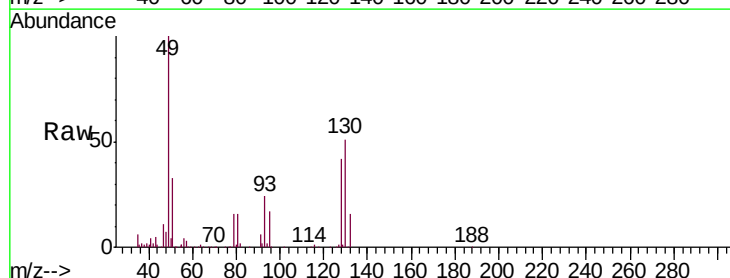
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

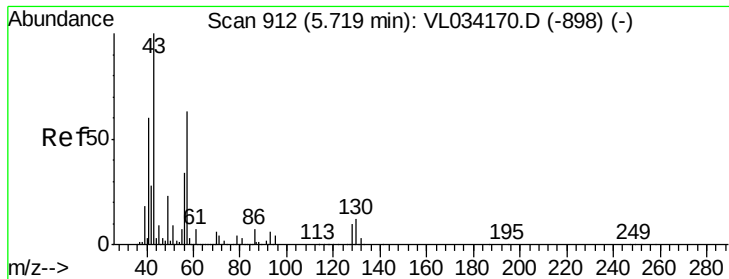
Tgt Ion: 84 Resp: 5144
Ion Ratio Lower Upper
84 100
49 147.2 133.8 200.8
51 20.6 43.6 65.4#
86 43.8 53.1 79.7#



#25
Ethyl Acetate
Concen: 0.051 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL034287.D
Acq: 14 Oct 2019 18:37

Tgt Ion: 43 Resp: 13783
Ion Ratio Lower Upper
43 100
45 7.9 8.4 12.6#
61 6.0 7.2 10.8#
70 2.9 5.3 7.9#





#26

Hexane

Concen: 0.041 ppbv

RT: 5.70 min Scan# 907

Delta R.T. -0.02 min

Lab File: VL034287.D

Acq: 14 Oct 2019 18:37

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

Tgt Ion: 57 Resp: 4539

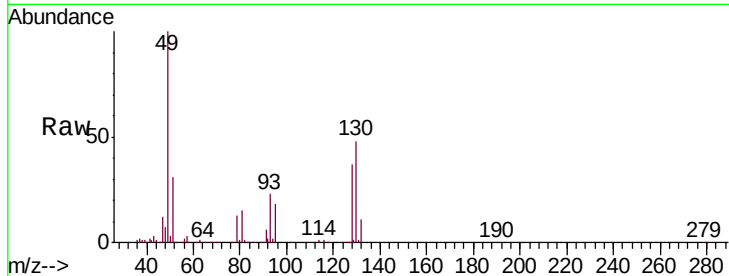
Ion Ratio Lower Upper

57 100

41 0.0 78.5 117.7#

43 318.7 189.5 284.3#

56 170.5 43.2 64.8#

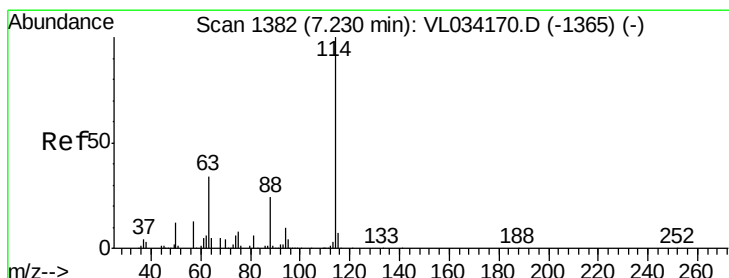
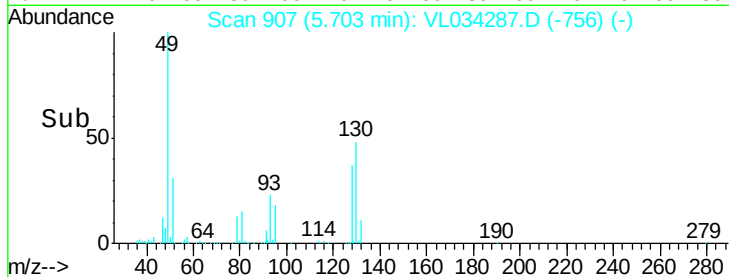
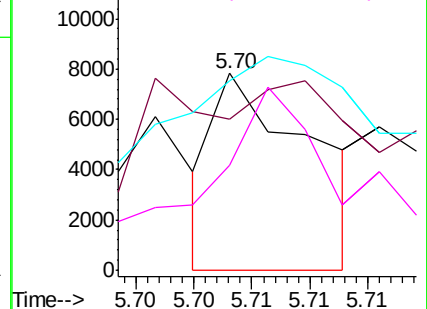


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.02 min

Lab File: VL034287.D

Acq: 14 Oct 2019 18:37

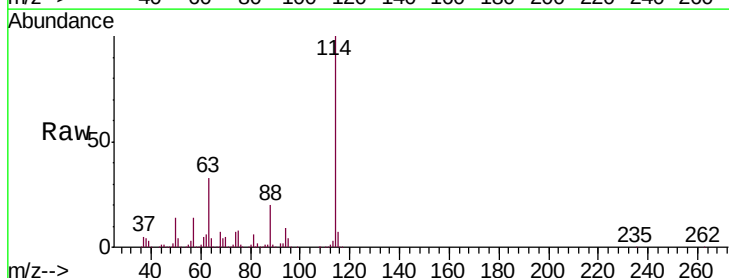
Tgt Ion: 114 Resp: 1798098

Ion Ratio Lower Upper

114 100

63 33.2 27.8 41.6

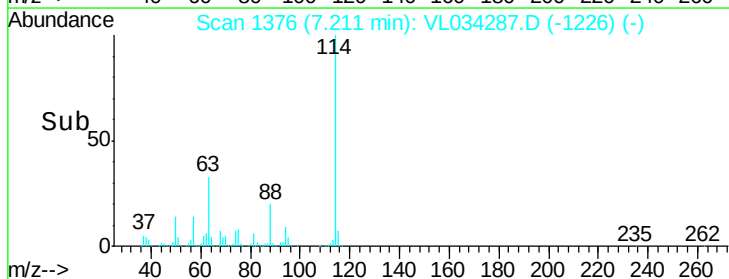
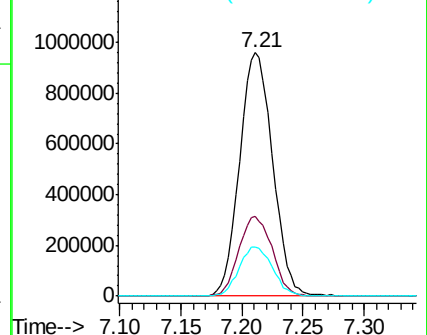
88 20.6 17.1 25.7

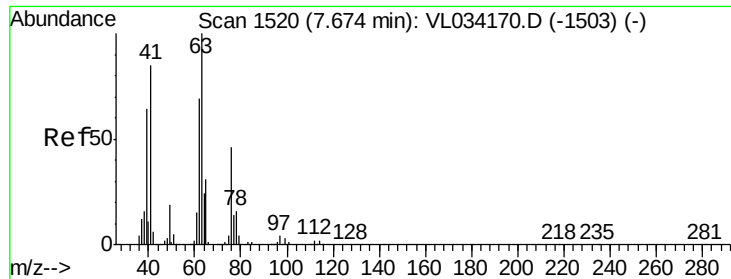


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 6.619 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.46 min

Lab File: VL034287.D

Acq: 14 Oct 2019 18:37

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IA-2DL

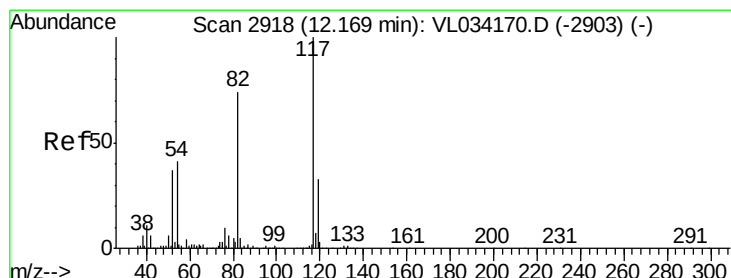
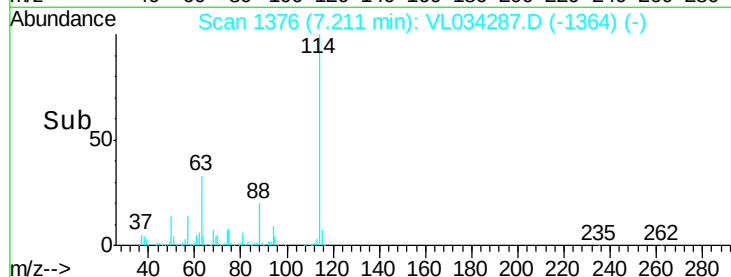
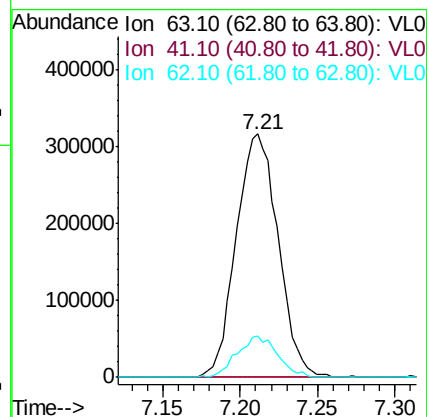
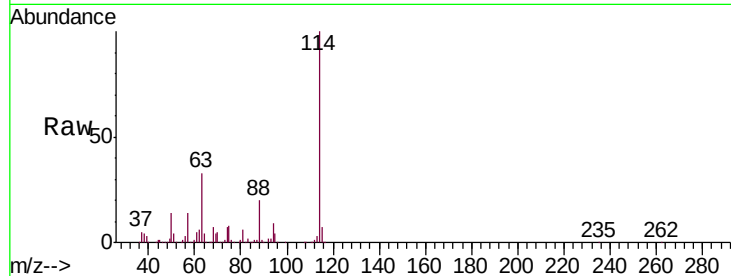
Tgt Ion: 63 Resp: 590611

Ion Ratio Lower Upper

63 100

41 0.0 68.4 102.6#

62 17.0 55.4 83.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.02 min

Lab File: VL034287.D

Acq: 14 Oct 2019 18:37

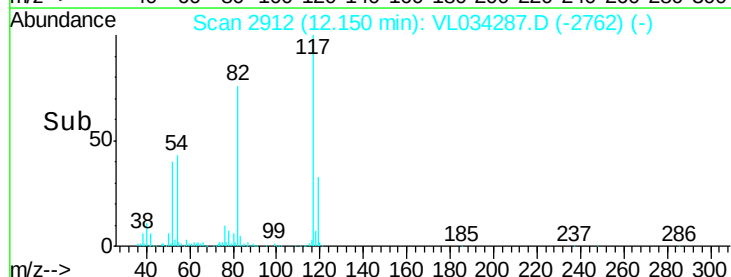
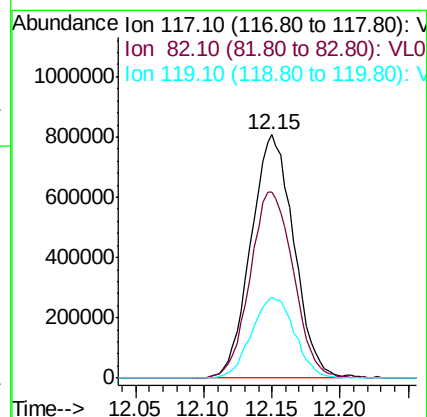
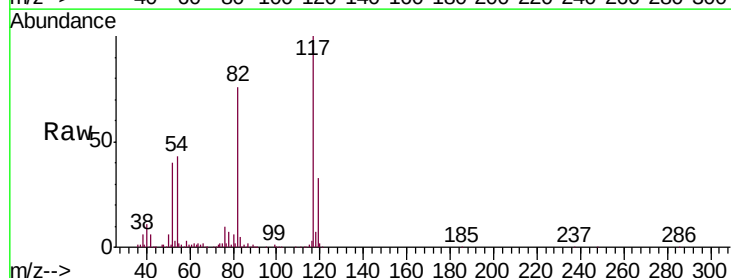
Tgt Ion: 117 Resp: 1756743

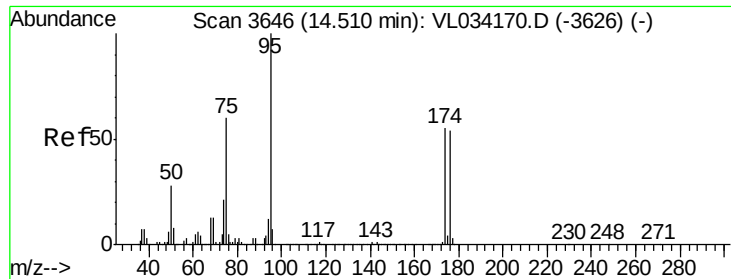
Ion Ratio Lower Upper

117 100

82 77.9 58.2 87.4

119 33.7 23.7 35.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.185 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. -0.02 min

Lab File: VL034287.D

Acq: 14 Oct 2019 18:37

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

Tgt Ion: 95 Resp: 1554758

Ion Ratio Lower Upper

95 100

174 56.3 45.1 67.7

175 4.1 3.3 4.9

