

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034228.D
 Acq On : 7 Oct 2019 18:57
 Operator : SY/AP
 Sample : K5225-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4DL

Quant Time: Oct 09 02:21:26 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	1144994	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1871768	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1878871	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1690314	10.35	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

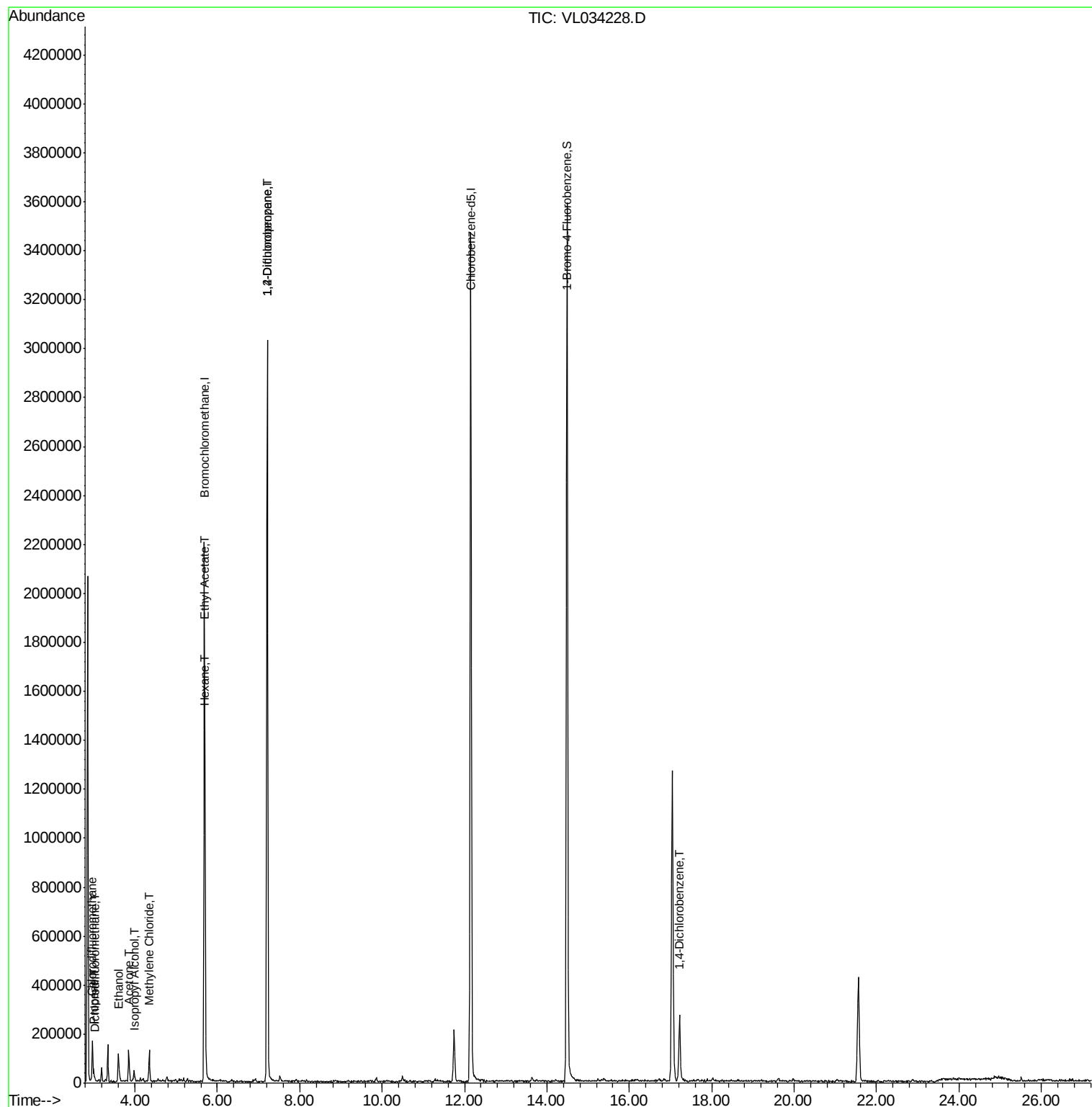
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	10184	0.060	ppbv #	85
3) Chlorodifluoromethane	2.97	51	149723	1.115	ppbv	97
9) Propene	2.99	41	4675	0.071	ppbv #	5
13) Ethanol	3.60	45	121142	7.553	ppbv	100
15) Acetone	3.85	43	119065	0.776	ppbv	98
19) Isopropyl Alcohol	4.00	45	5718	0.061	ppbv #	58
20) Methylene Chloride	4.35	84	36735	0.830	ppbv #	95
25) Ethyl Acetate	5.71	43	24594	0.085	ppbv #	90
26) Hexane	5.71	57	24047	0.199	ppbv #	53
39) 1,2-Dichloropropane	7.21	63	626044	6.740	ppbv #	20
76) 1,4-Dichlorobenzene	17.22	146	103739	0.649	ppbv	87

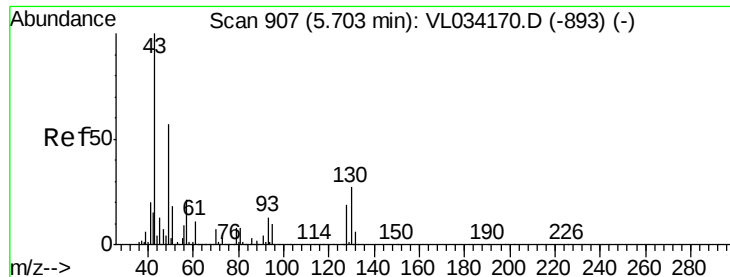
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VL034228.D

Acq: 7 Oct 2019 18:57

Instrument :

MSVOA_L

ClientSampleId :

IA4DL

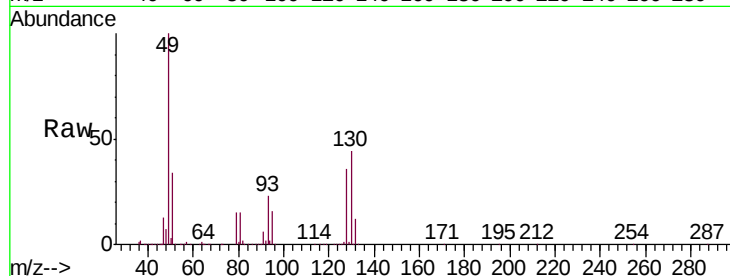
Tgt Ion: 49 Resp: 1144994

Ion Ratio Lower Upper

49 100

128 34.4 17.6 52.9

130 44.5 22.3 66.9



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

800000

600000

400000

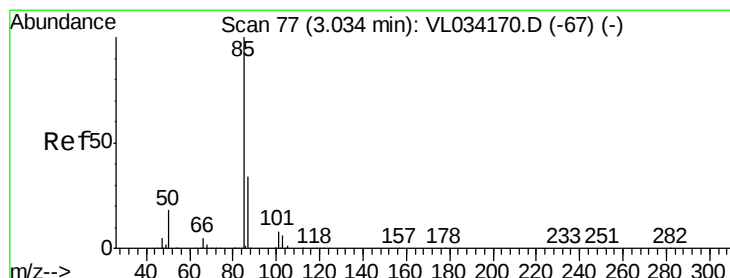
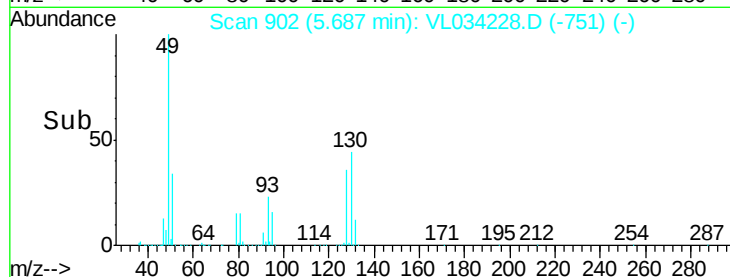
200000

0

5.69

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.060 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034228.D

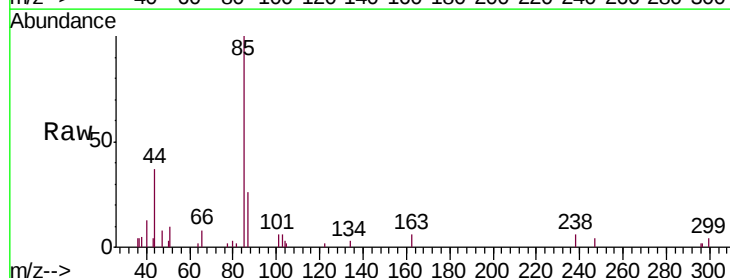
Acq: 7 Oct 2019 18:57

Tgt Ion: 85 Resp: 10184

Ion Ratio Lower Upper

85 100

87 25.6 27.2 40.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

10000

8000

6000

4000

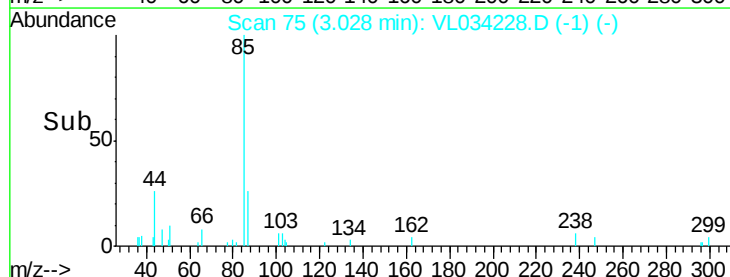
2000

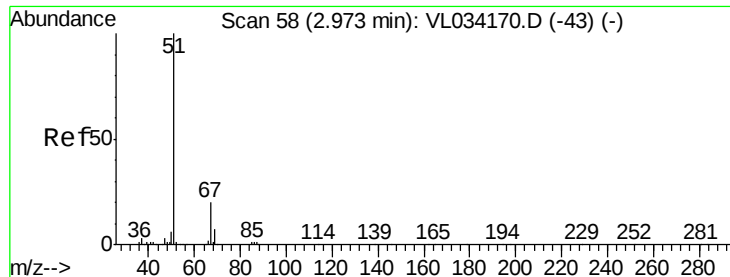
0

3.03

3.00 3.02 3.04 3.06

Time-->





#3

Chlorodifluoromethane

Concen: 1.115 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034228.D

Acq: 7 Oct 2019 18:57

Instrument :

MSVOA_L

ClientSampleId :

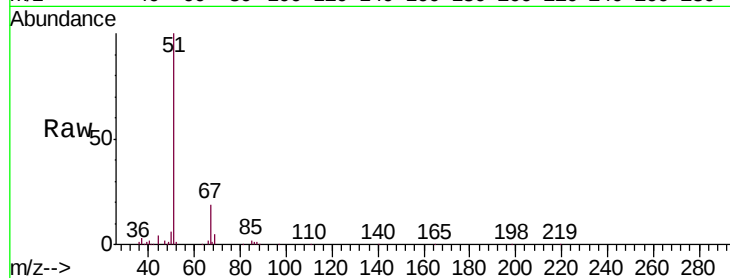
IA4DL

Tgt Ion: 51 Resp: 149723

Ion Ratio Lower Upper

51 100

67 17.3 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

120000

100000

80000

60000

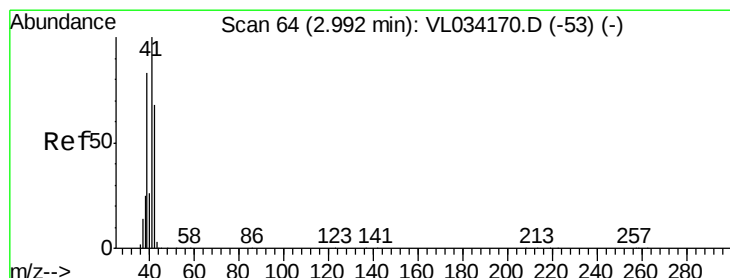
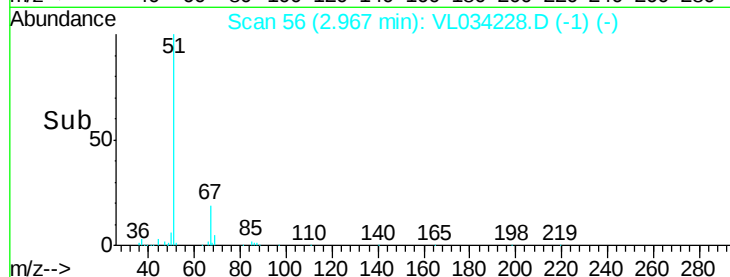
40000

20000

0

Time-->

2.90 2.97 3.00 3.10



#9

Propene

Concen: 0.071 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034228.D

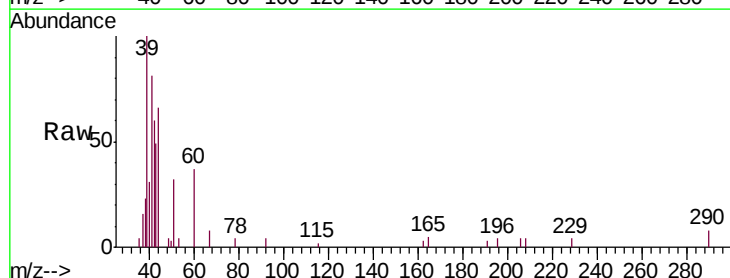
Acq: 7 Oct 2019 18:57

Tgt Ion: 41 Resp: 4675

Ion Ratio Lower Upper

41 100

42 147.8 55.8 83.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

10000

8000

6000

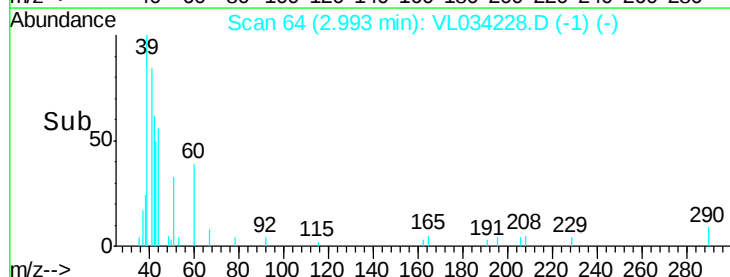
4000

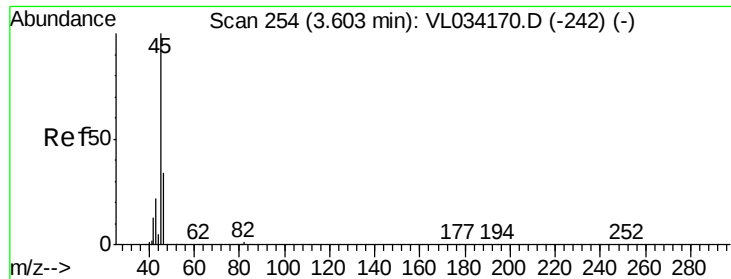
2000

0

Time-->

2.97 2.98 2.99 3.00

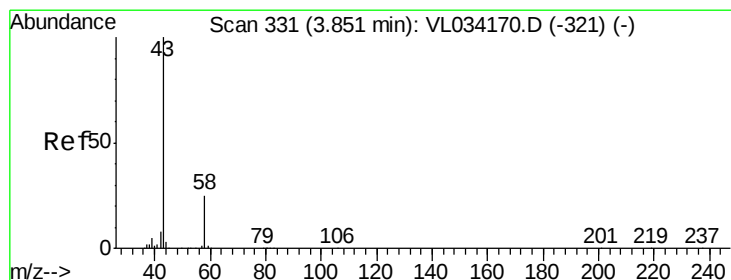
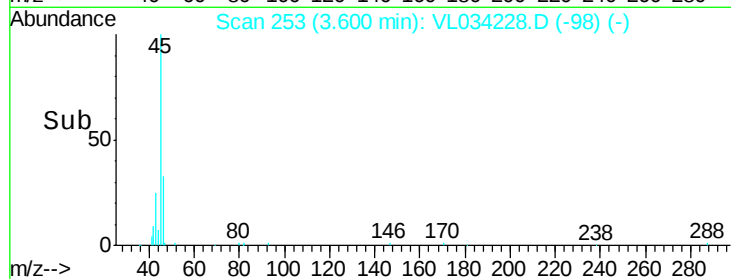
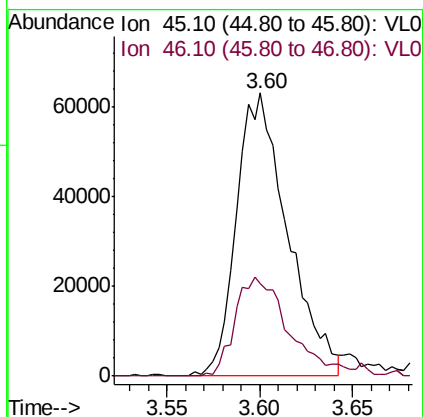
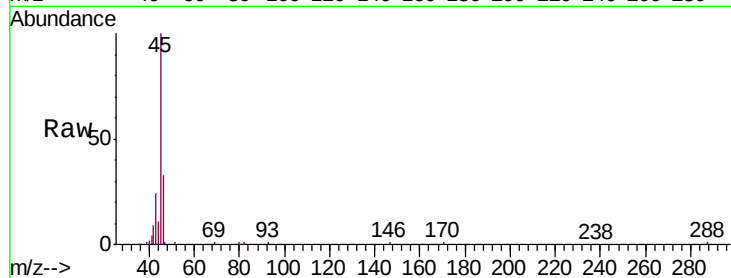




#13
Ethanol
Concen: 7.553 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

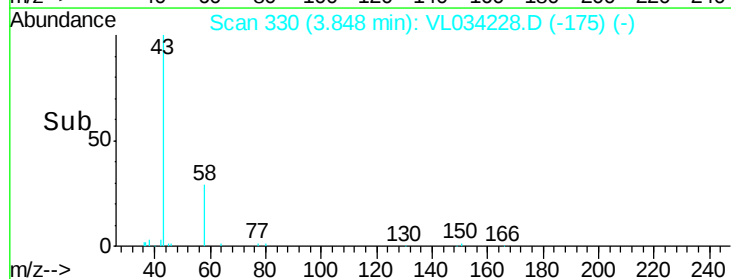
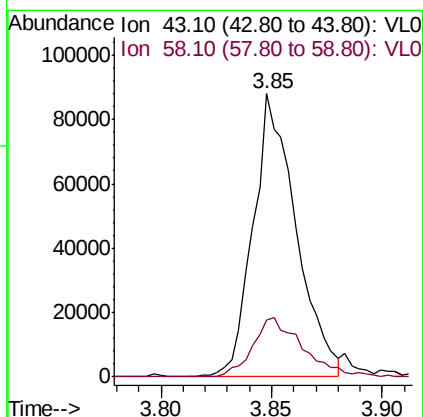
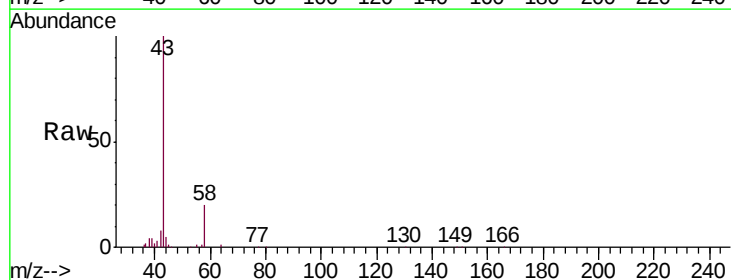
Instrument :
MSVOA_L
ClientSampleId :
IA4DL

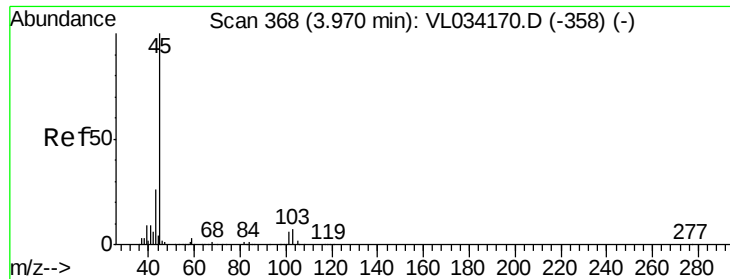
Tgt Ion: 45 Resp: 121142
Ion Ratio Lower Upper
45 100
46 39.0 15.5 61.9



#15
Acetone
Concen: 0.776 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

Tgt Ion: 43 Resp: 119065
Ion Ratio Lower Upper
43 100
58 24.5 20.5 30.7

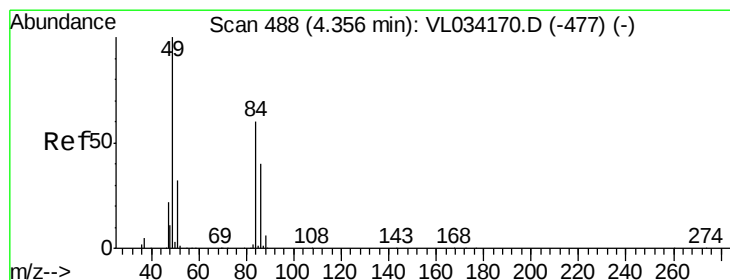
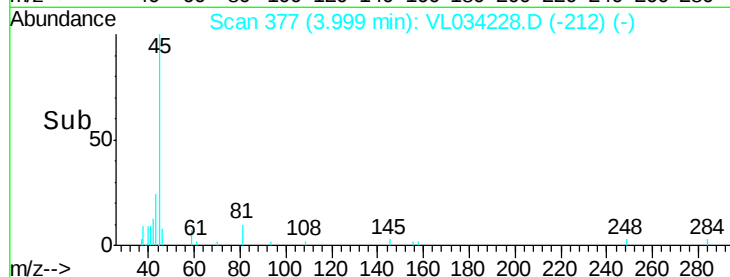
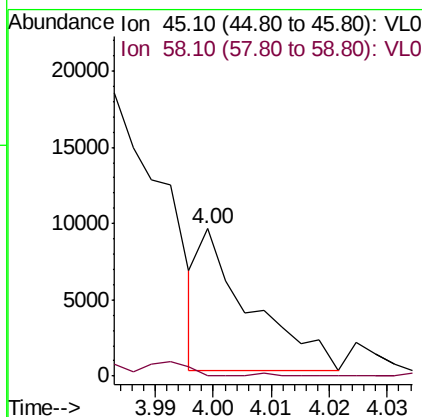
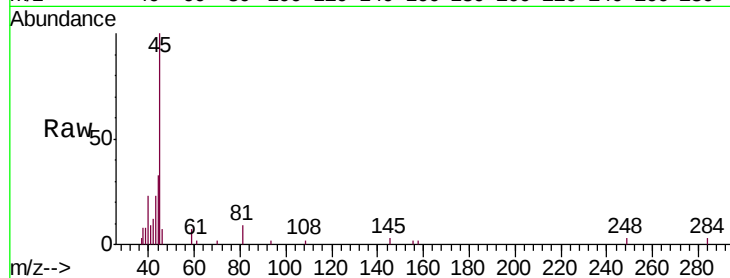




#19
Isopropyl Alcohol
Concen: 0.061 ppbv
RT: 4.00 min Scan# 377
Delta R.T. 0.03 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

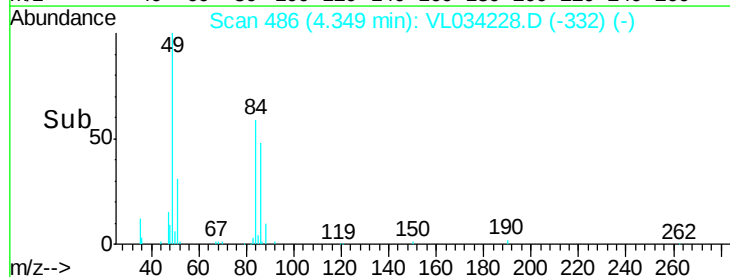
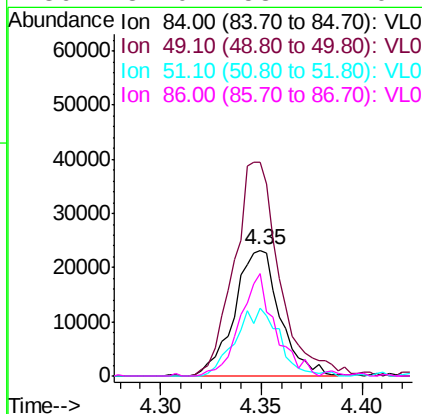
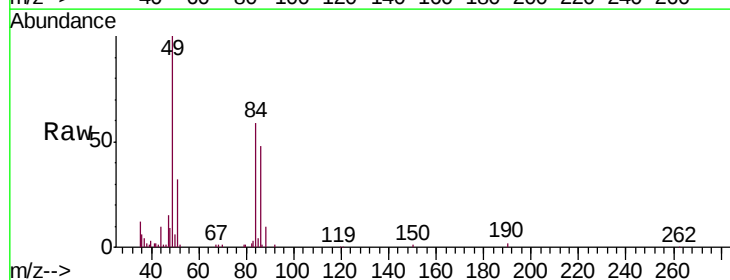
Instrument :
MSVOA_L
ClientSampleId :
IA4DL

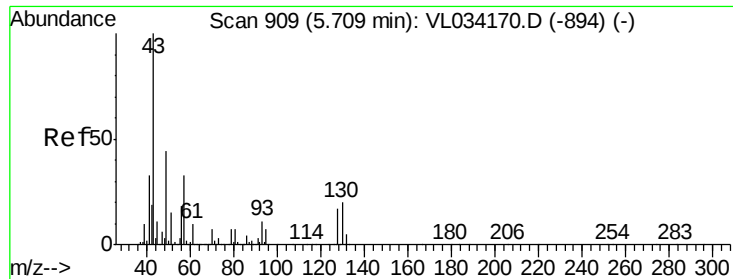
Tgt Ion: 45 Resp: 5718
Ion Ratio Lower Upper
45 100
58 17.1 1.4 2.0#



#20
Methylene Chloride
Concen: 0.830 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

Tgt Ion: 84 Resp: 36735
Ion Ratio Lower Upper
84 100
49 169.4 133.8 200.8
51 54.3 43.6 65.4
86 81.0 53.1 79.7#

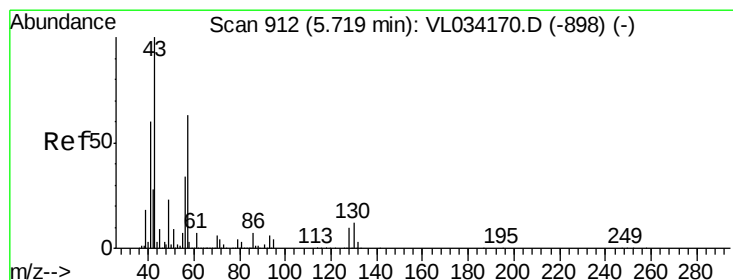
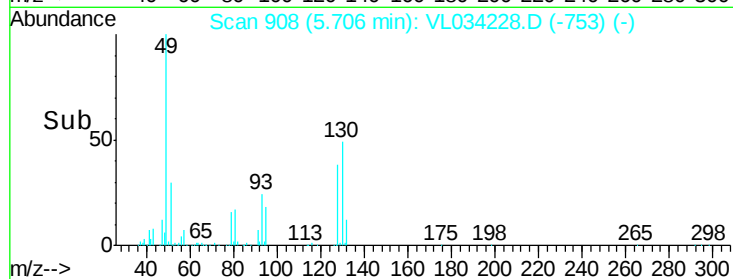
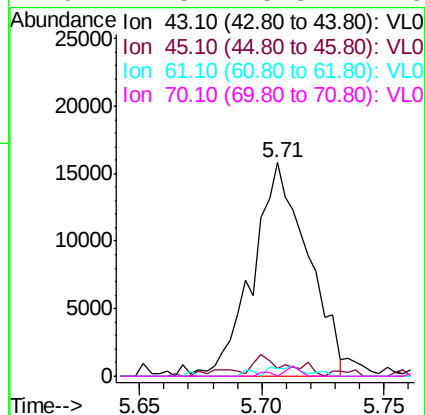
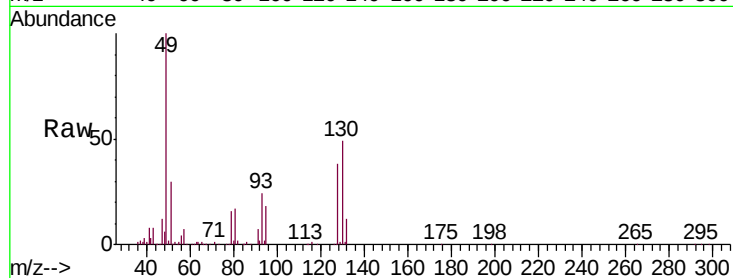




#25
Ethyl Acetate
Concen: 0.085 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

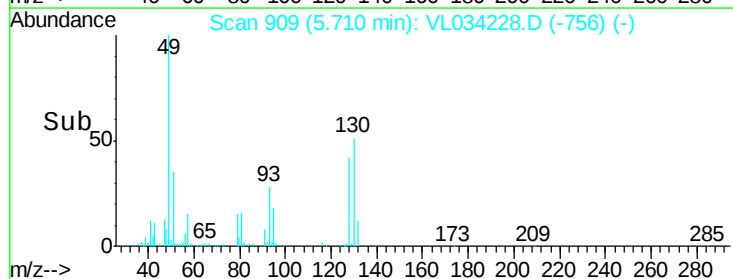
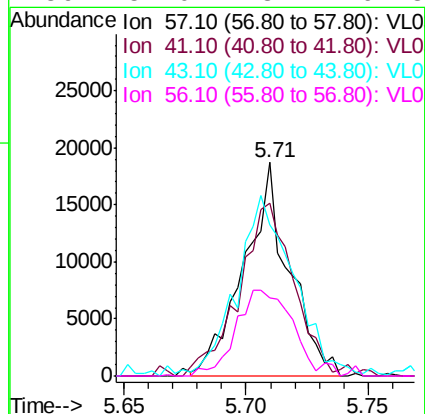
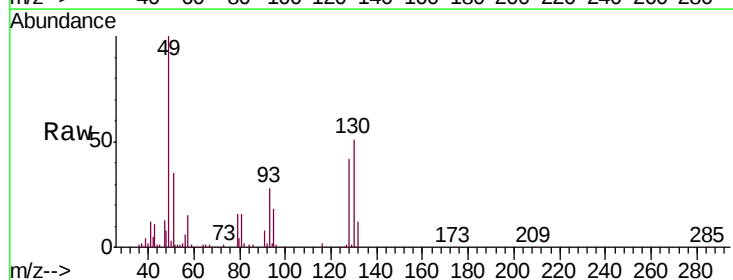
Instrument :
MSVOA_L
ClientSampleId :
IA4DL

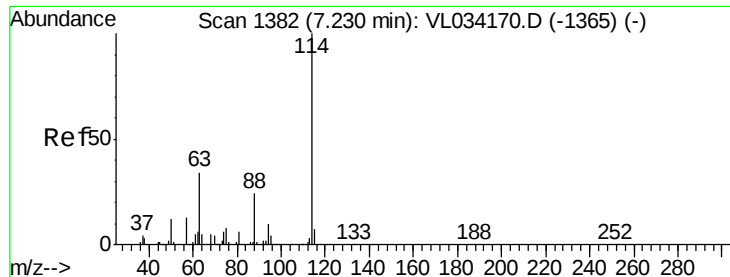
Tgt Ion:	43	Resp:	24594
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.4	12.6
61	3.7	7.2	10.8#
70	1.5	5.3	7.9#



#26
Hexane
Concen: 0.199 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

Tgt Ion:	57	Resp:	24047
Ion	Ratio	Lower	Upper
57	100		
41	100.0	78.5	117.7
43	108.3	189.5	284.3#
56	52.0	43.2	64.8

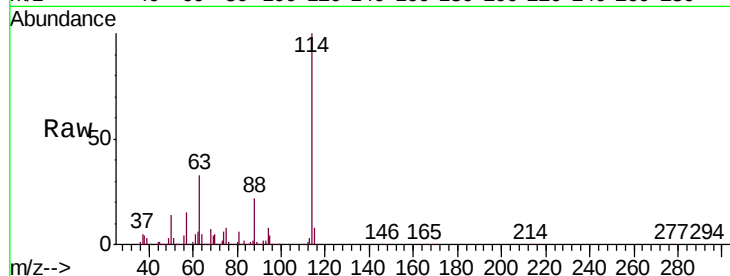




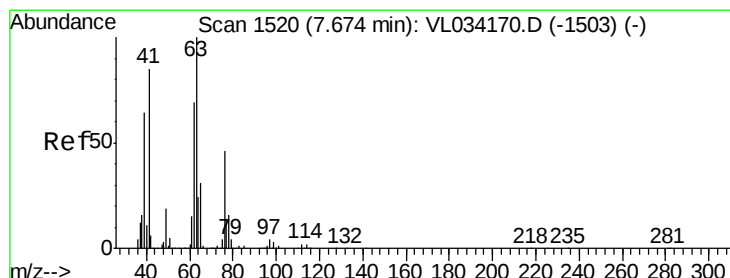
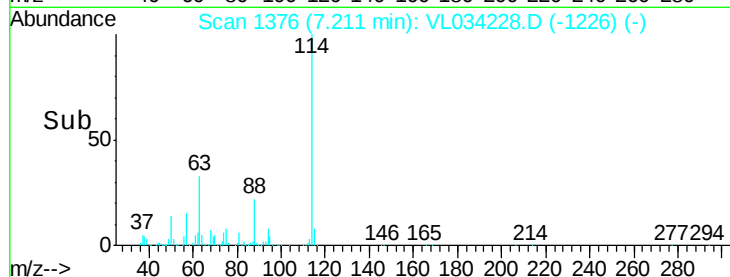
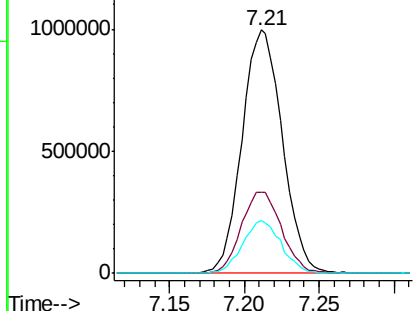
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034228.D
 Acq: 7 Oct 2019 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4DL

Tgt Ion: 114 Resp: 1871768
 Ion Ratio Lower Upper
 114 100
 63 33.7 27.8 41.6
 88 20.9 17.1 25.7

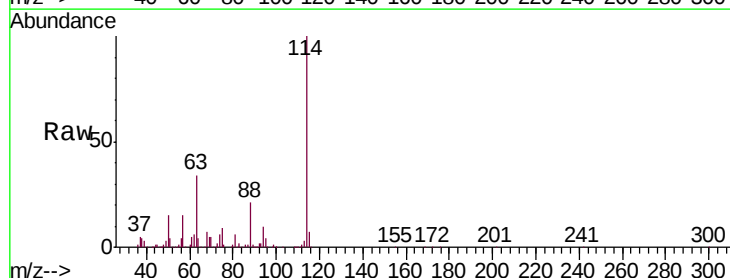


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

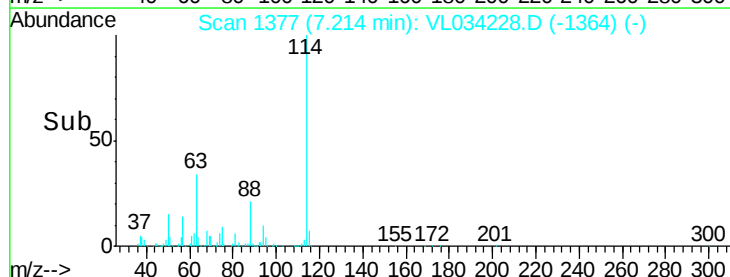
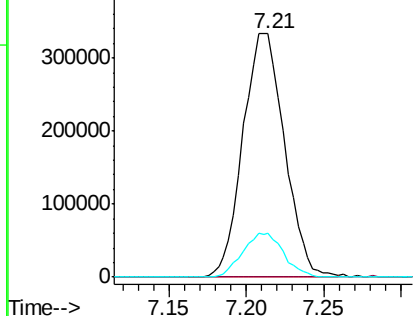


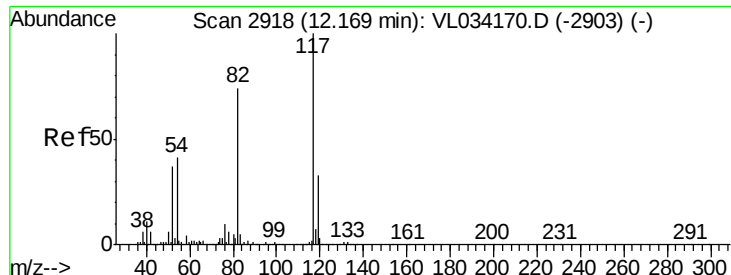
#39
 1,2-Dichloropropane
 Concen: 6.740 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. -0.46 min
 Lab File: VL034228.D
 Acq: 7 Oct 2019 18:57

Tgt Ion: 63 Resp: 626044
 Ion Ratio Lower Upper
 63 100
 41 0.0 68.4 102.6#
 62 18.1 55.4 83.2#



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

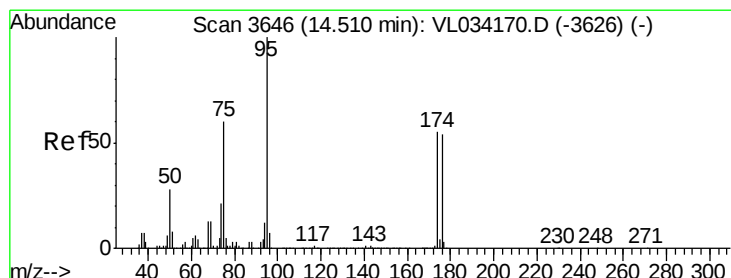
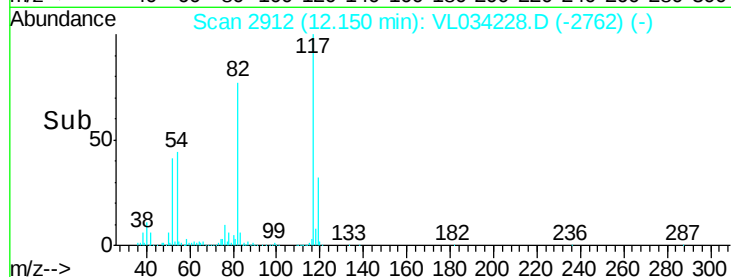
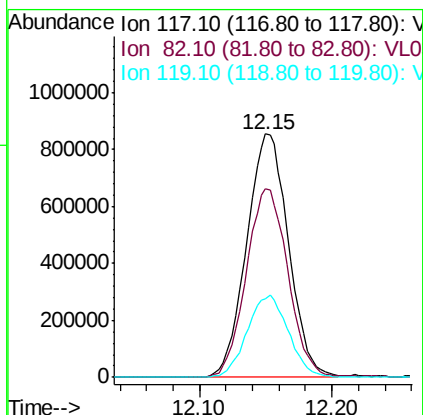
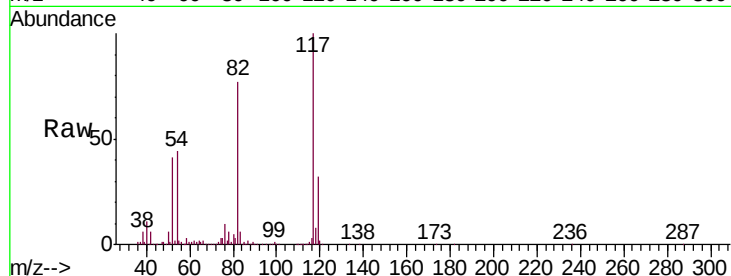




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

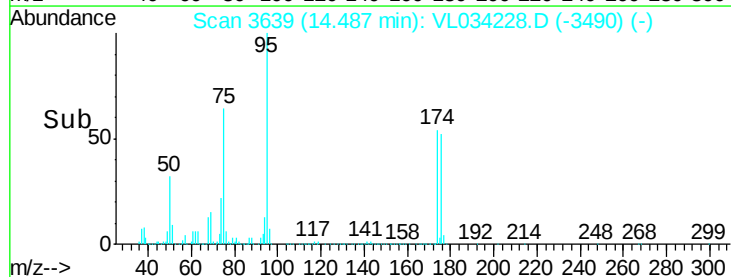
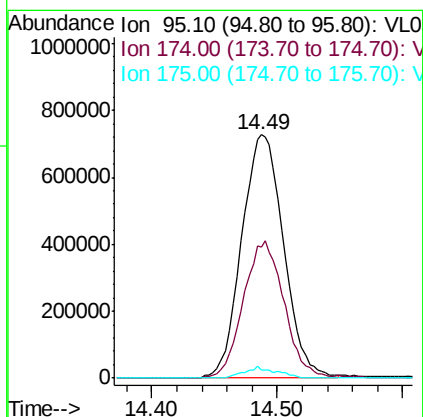
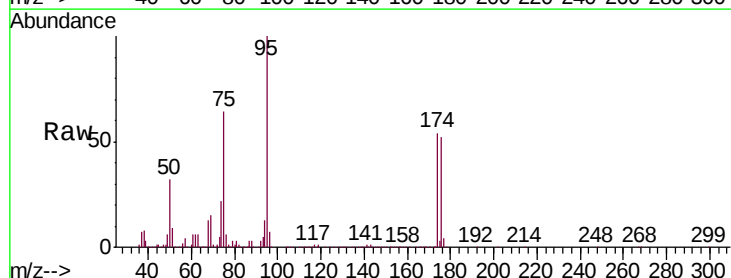
Instrument :
MSVOA_L
ClientSampled :
IA4DL

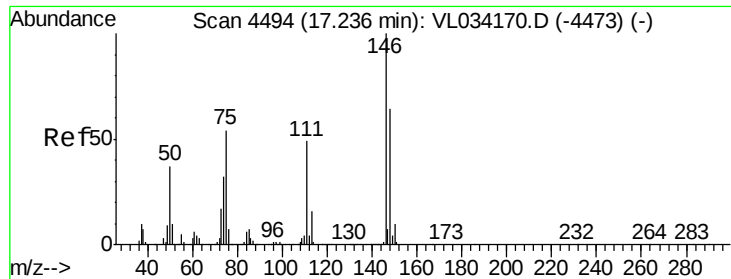
Tgt Ion: 117 Resp: 1878871
Ion Ratio Lower Upper
117 100
82 78.3 58.2 87.4
119 33.4 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.353 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

Tgt Ion: 95 Resp: 1690314
Ion Ratio Lower Upper
95 100
174 55.6 45.1 67.7
175 3.8 3.3 4.9





#76
 1,4-Dichlorobenzene
 Concen: 0.649 ppbv
 RT: 17.22 min Scan# 4490
 Delta R.T. -0.01 min
 Lab File: VL034228.D
 Acq: 7 Oct 2019 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4DL

Tgt Ion:146 Resp: 103739
 Ion Ratio Lower Upper
 146 100
 111 57.7 24.6 74.0
 148 75.9 32.4 97.0

