

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
Data File : VL033841.D
Acq On : 29 May 2019 18:12
Operator : SY/AP
Sample : VL0529ABL01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABL01

Quant Time: May 30 02:19:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	675650	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1627749	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1617292	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1305856	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

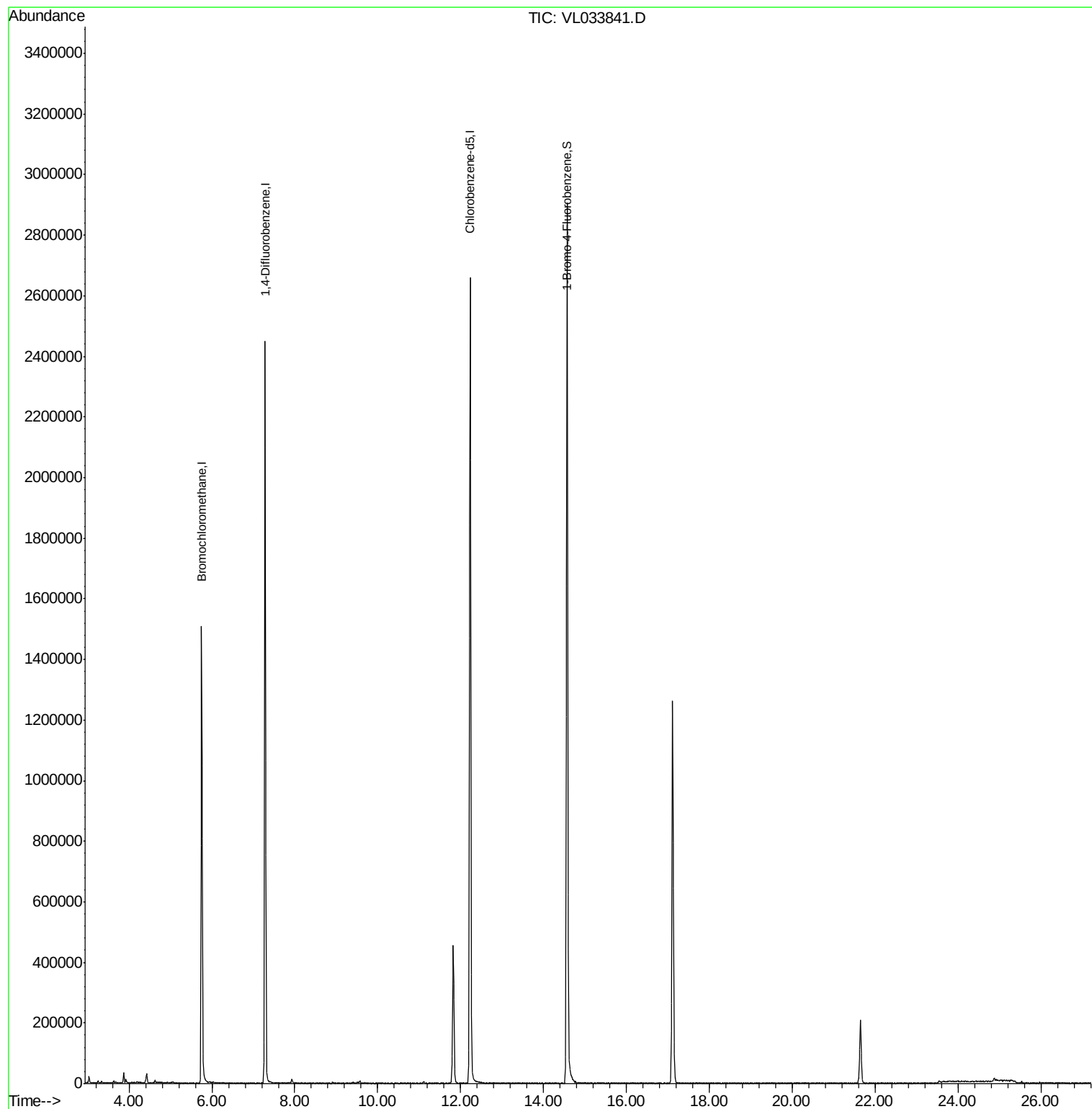
Target Compounds	Ovalue
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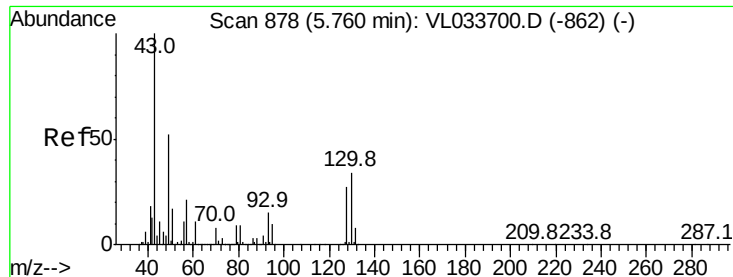
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

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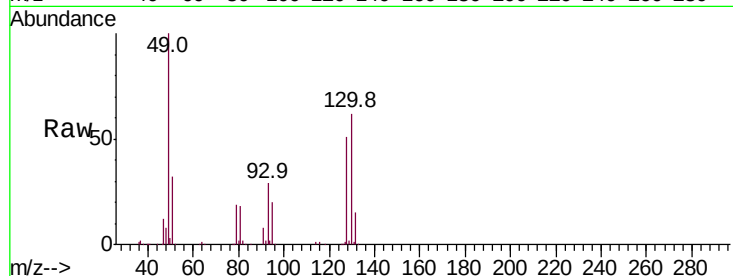
Tot Ion: 49 Resp: 675650

Ion Ratio Lower Upper

49 100

128 50.5 25.2 75.6

130 64.1 32.5 97.5



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

5.75

400000

300000

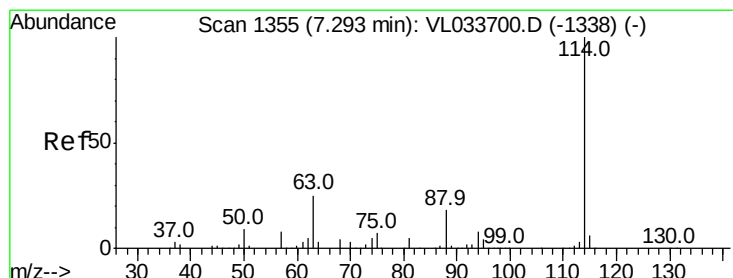
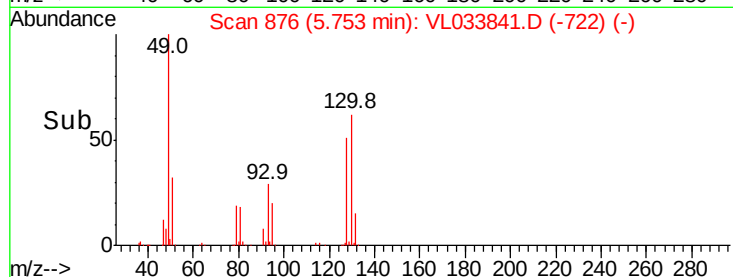
200000

100000

0

5.70 5.75 5.80

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1351

Delta R.T. -0.01 min

Lab File: VL033841.D

Acq: 29 May 2019 18:12

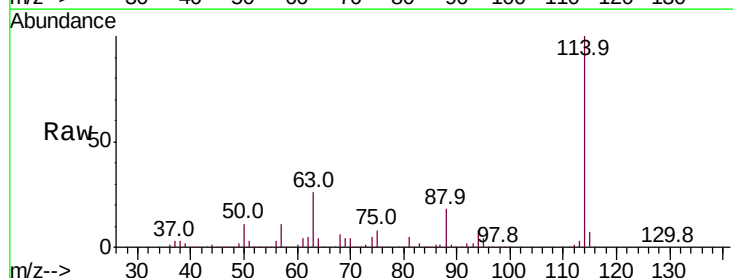
Tgt Ion: 114 Resp: 1627749

Ion Ratio Lower Upper

114 100

63 26.7 20.9 31.3

88 18.1 14.3 21.5



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

7.28

1200000

1000000

800000

600000

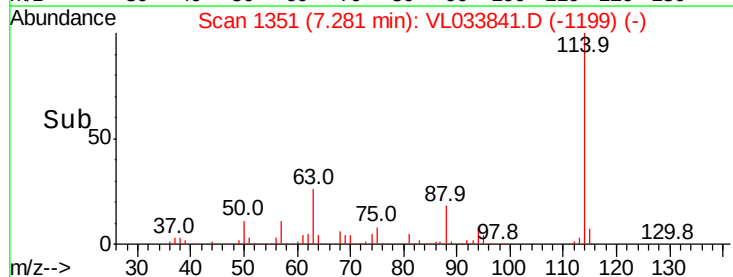
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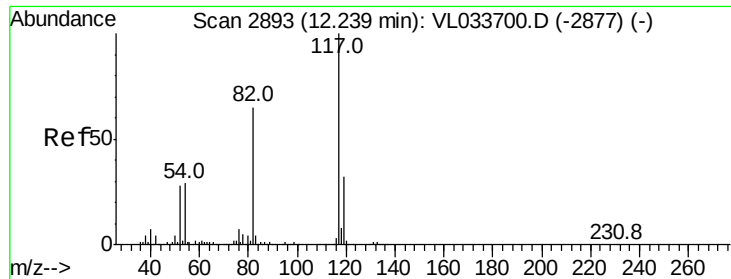
200000

0

7.20 7.25 7.30 7.35

Time-->

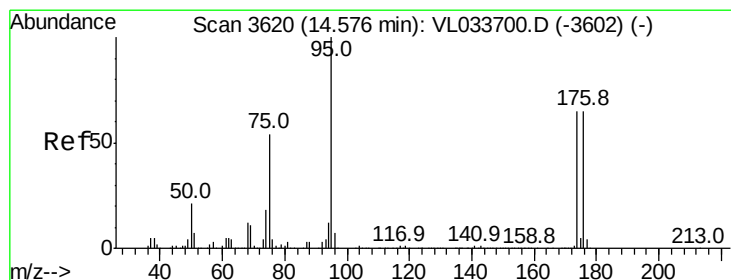
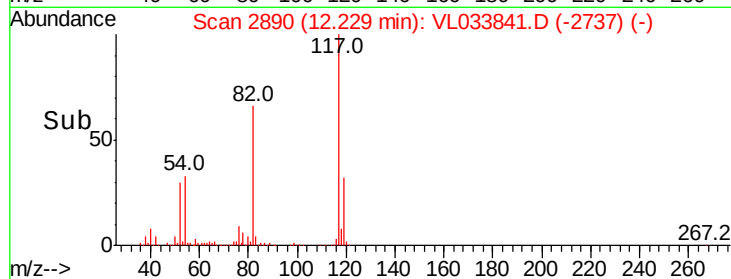
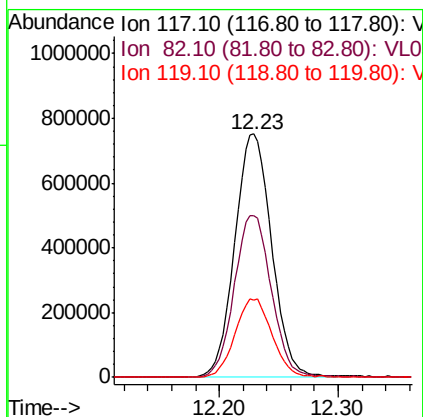
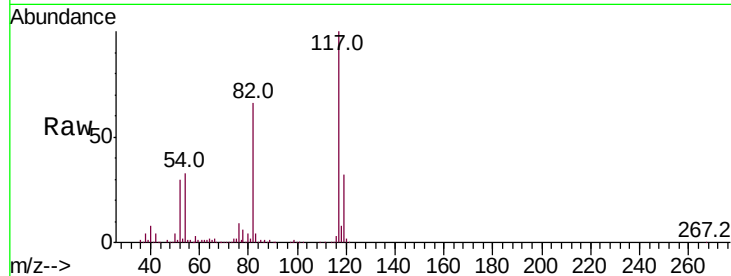




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033841.D
Acq: 29 May 2019 18:12

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Tot Ion:117 Resp: 1617292
Ion Ratio Lower Upper
117 100
82 67.5 49.4 74.0
119 32.4 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.960 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033841.D
Acq: 29 May 2019 18:12

Tgt Ion: 95 Resp: 1305856
Ion Ratio Lower Upper
95 100
174 67.4 53.9 80.9
175 4.9 3.8 5.8

