

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
Data File : VL033812.D
Acq On : 28 May 2019 20:35
Operator : SY/AP
Sample : VL0528ABL02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABL02

Quant Time: May 29 05:43:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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	825394	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1931229	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1888713	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1533289	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

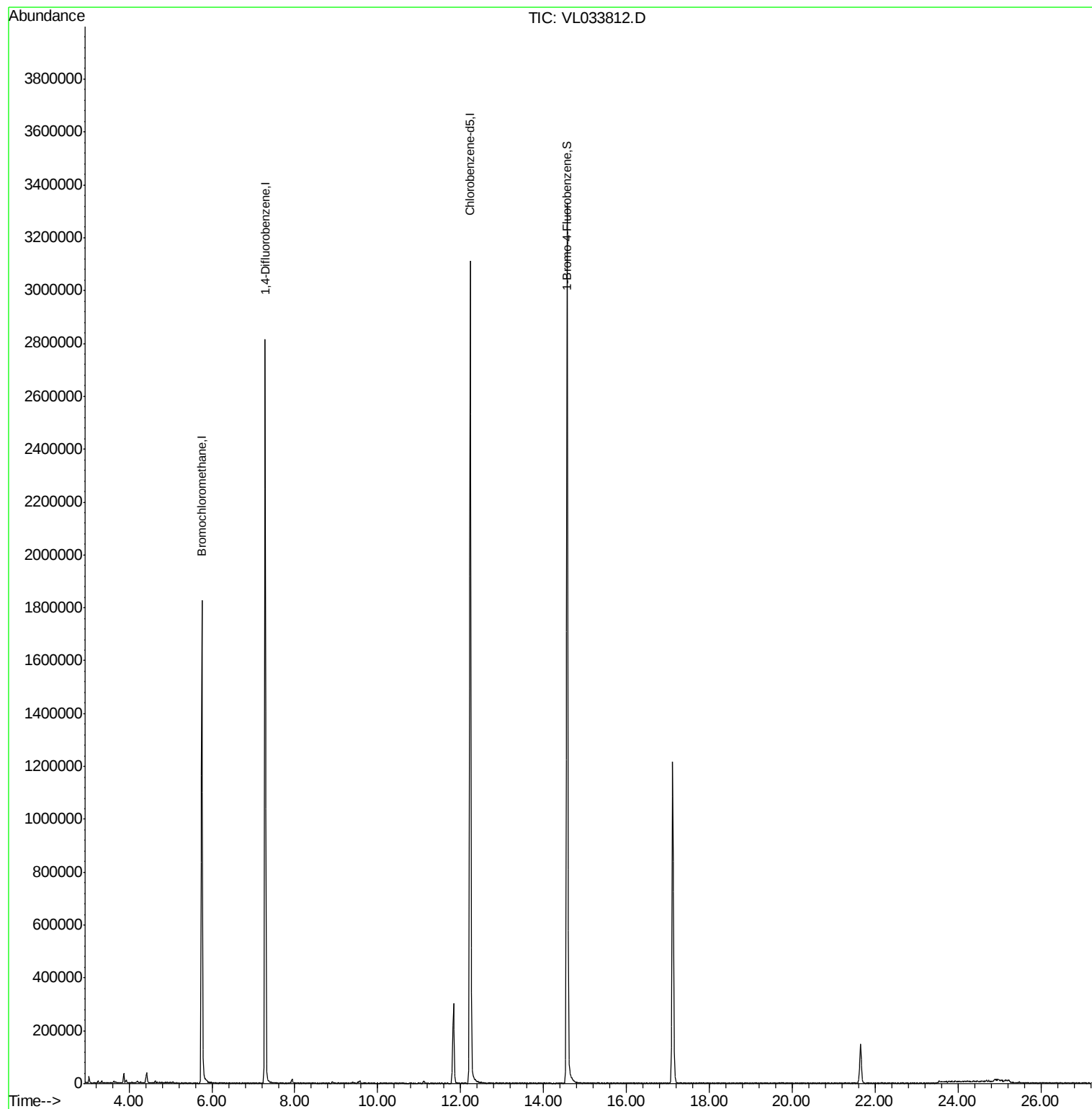
Target Compounds	Ovalue
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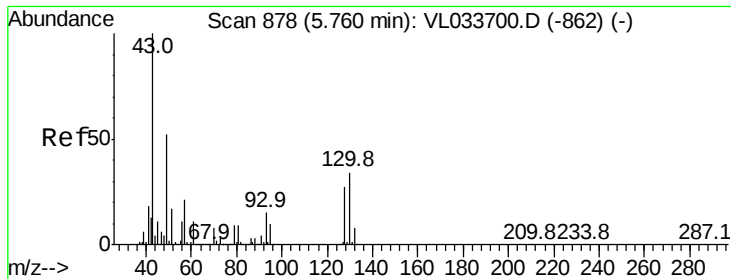
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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VL0528ABL02

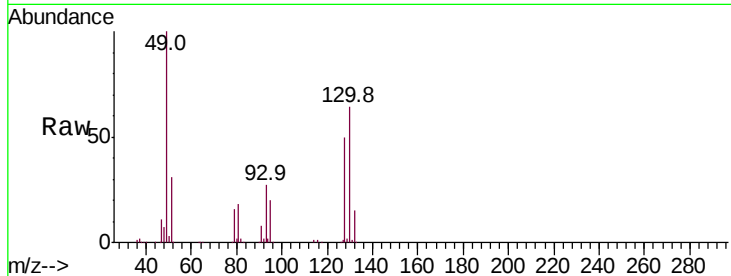
Tot Ion: 49 Resp: 825394

Ion Ratio Lower Upper

49 100

128 50.6 25.2 75.6

130 65.2 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

600000

500000

400000

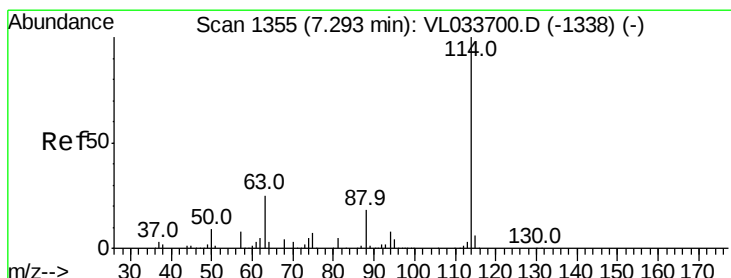
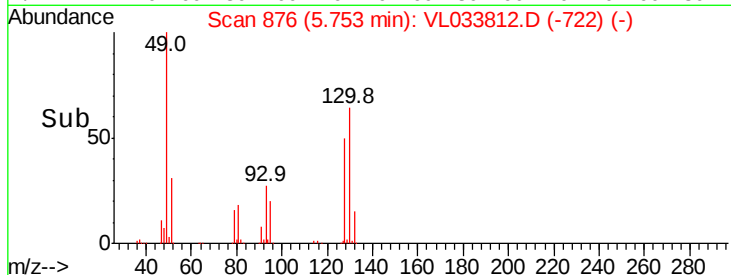
300000

200000

100000

0

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033812.D

Acq: 28 May 2019 20:35

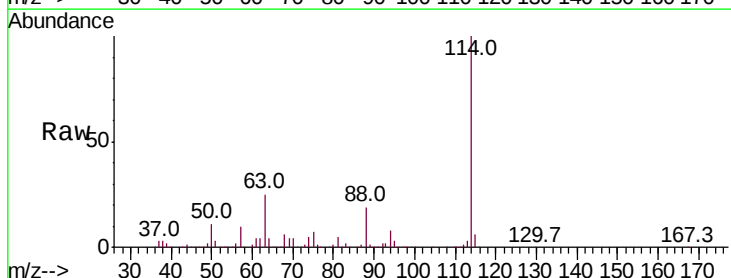
Tgt Ion: 114 Resp: 1931229

Ion Ratio Lower Upper

114 100

63 26.0 20.9 31.3

88 18.0 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

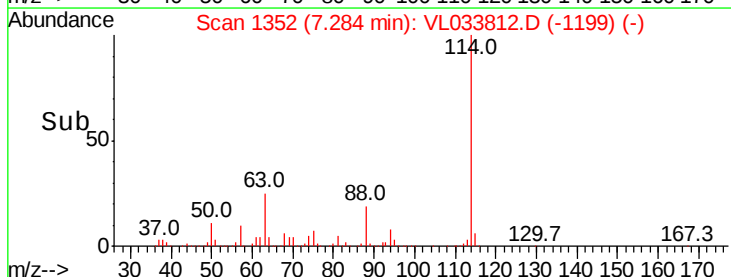
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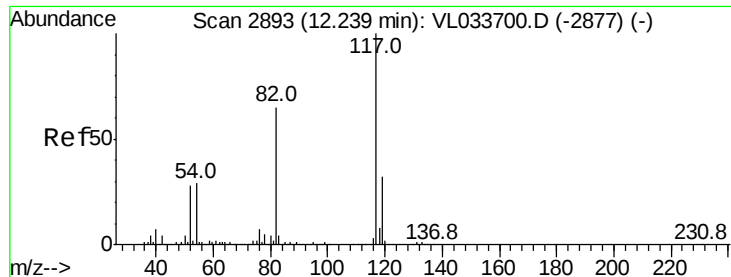
1000000

500000

0

Time-->

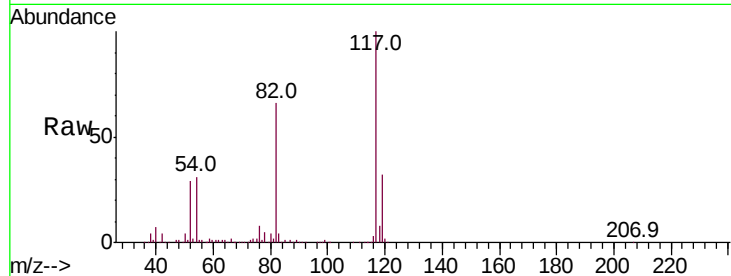




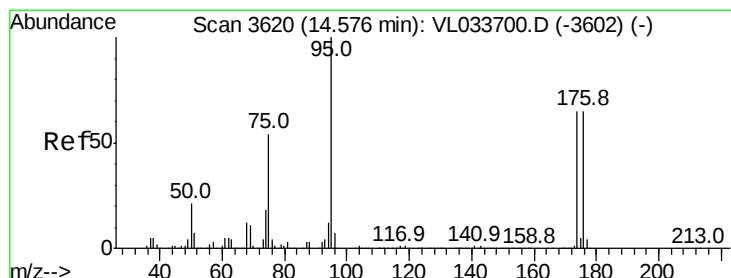
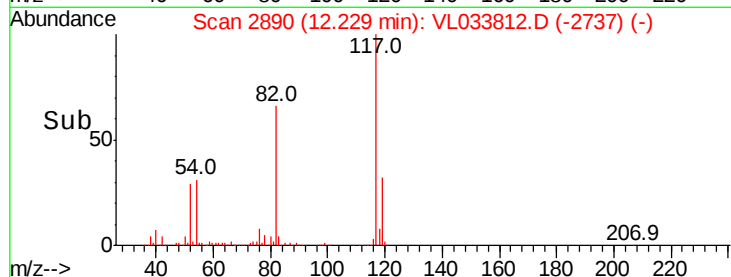
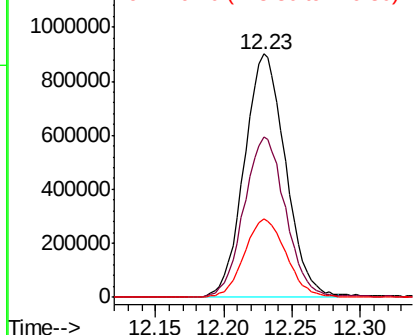
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033812.D
Acq: 28 May 2019 20:35

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABL02

Tot Ion:117 Resp: 1888713
Ion Ratio Lower Upper
117 100
82 67.4 49.4 74.0
119 32.8 24.9 37.3

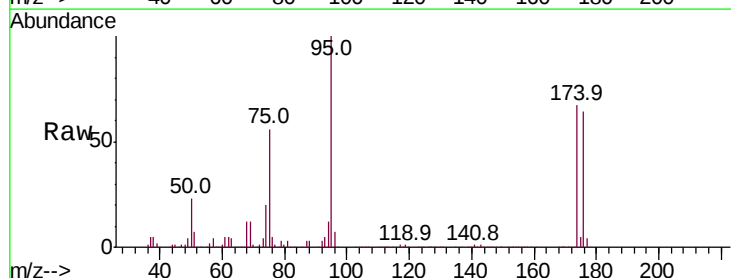


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.014 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033812.D
Acq: 28 May 2019 20:35

Tgt Ion: 95 Resp: 1533289
Ion Ratio Lower Upper
95 100
174 67.4 53.9 80.9
175 4.9 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

