

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038086.D
 Acq On : 19 Nov 2021 15:40
 Operator : SY/AP
 Sample : M4704-04DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TRANS-SHOPDL2

Quant Time: Nov 25 21:01:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	844810	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2289164	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	1929940	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1489237	10.70	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.00%

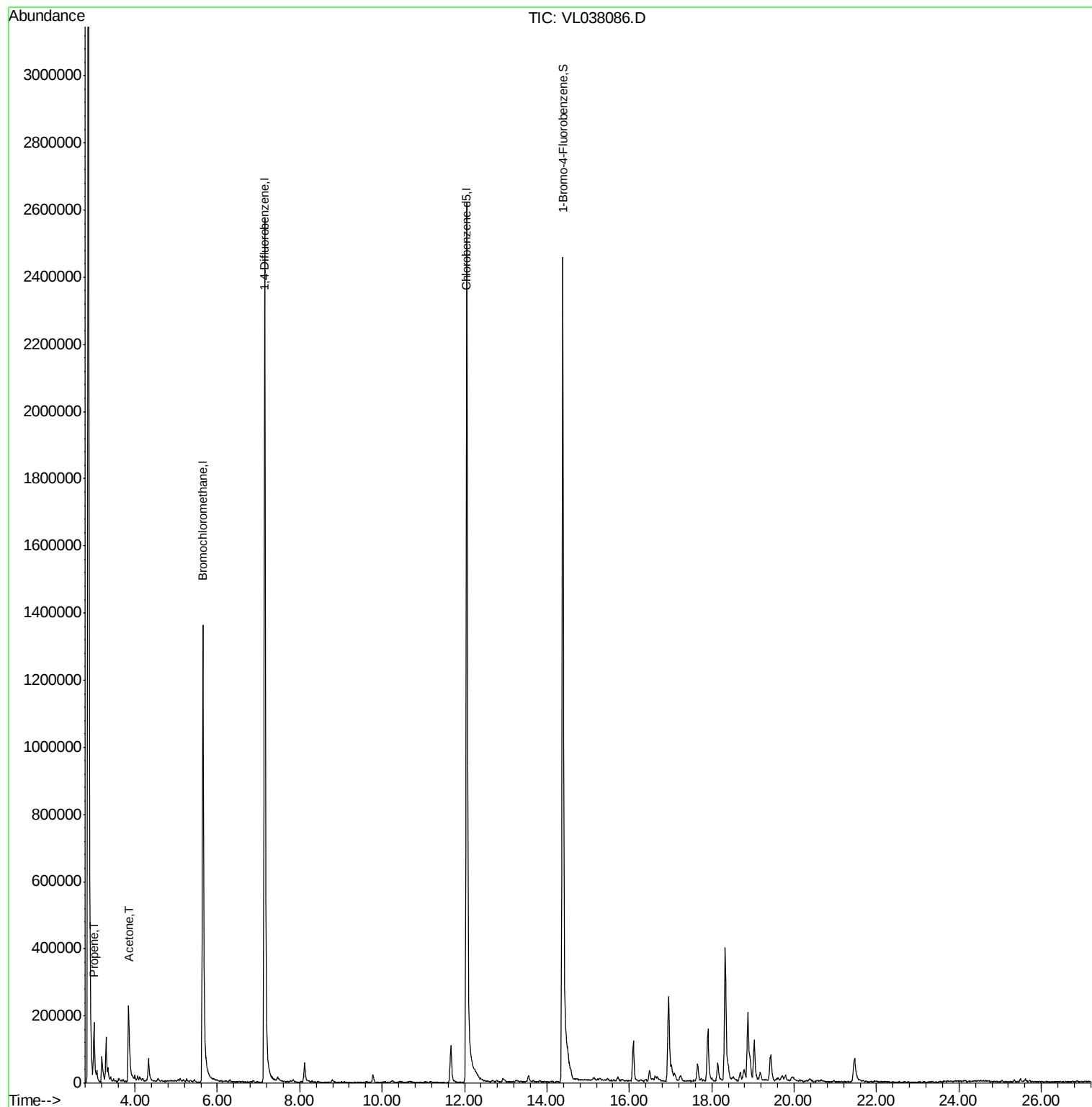
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	89228	1.366	ppbv	99
15) Acetone	3.84	43	350962	4.792	ppbv	99

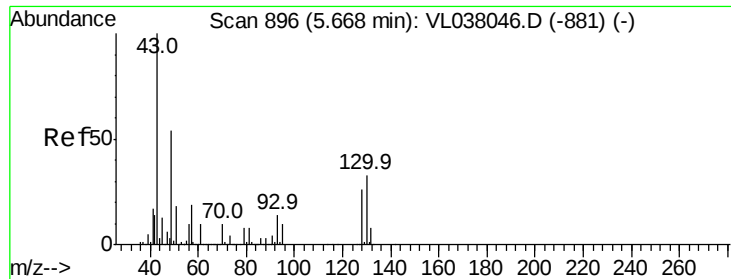
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: TRANS-SHOPDL2

Acq: 19 Nov 2021 15:40

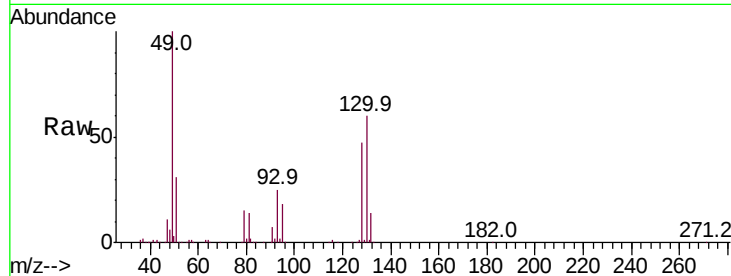
Tot Ion: 49 Resp: 844810

Ion Ratio Lower Upper

49 100

128 48.8 26.5 79.5

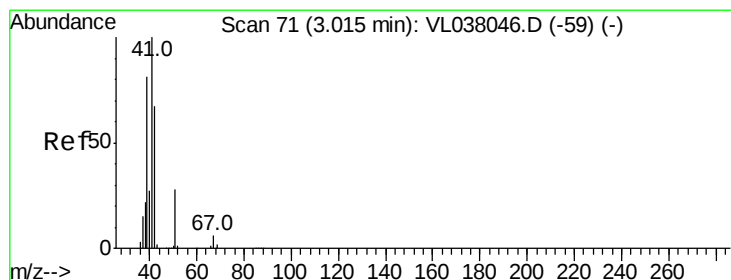
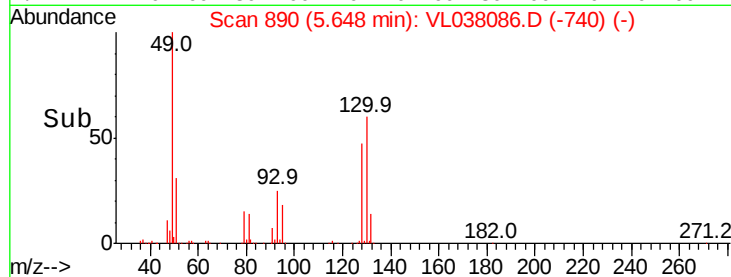
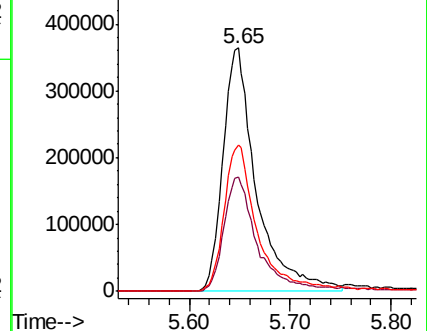
130 61.6 32.5 97.4



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



#9

Propene

Concen: 1.366 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL038086.D

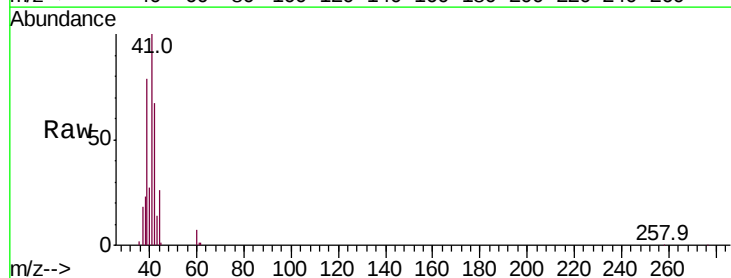
Acq: 19 Nov 2021 15:40

Tgt Ion: 41 Resp: 89228

Ion Ratio Lower Upper

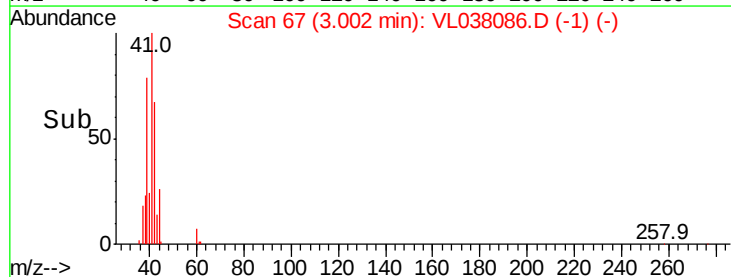
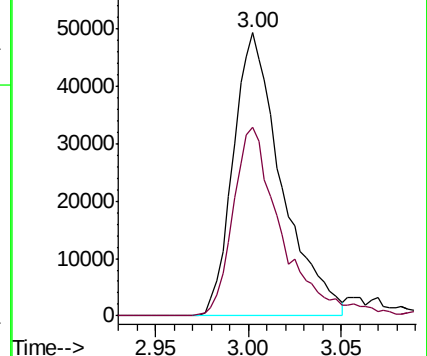
41 100

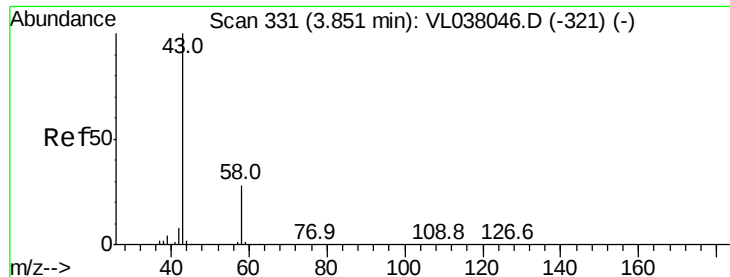
42 67.8 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 4.792 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

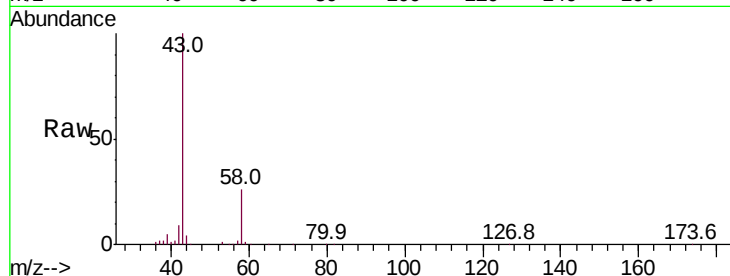
Acq: 19 Nov 2021 15:40 TRANS-SHOPDL2

Tot Ion: 43 Resp: 350962

Ion Ratio Lower Upper

43 100

58 28.6 22.4 33.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

100000

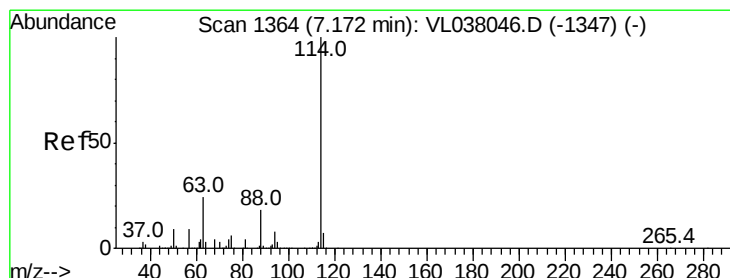
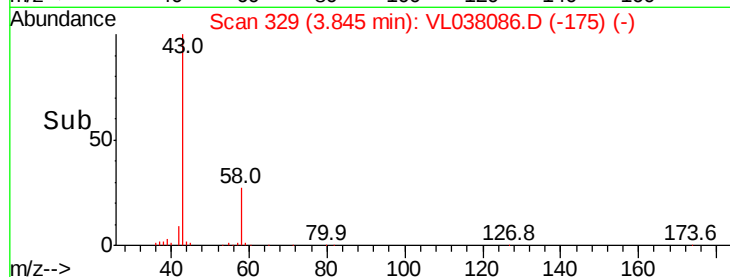
50000

0

3.84

3.80 3.85 3.90 3.95

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VL038086.D

Acq: 19 Nov 2021 15:40

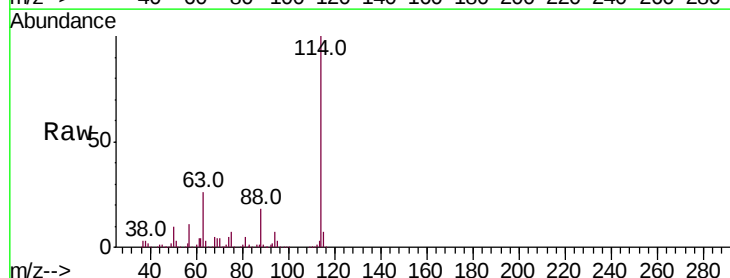
Tgt Ion:114 Resp: 2289164

Ion Ratio Lower Upper

114 100

63 25.6 19.7 29.5

88 18.7 14.4 21.6



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

1000000

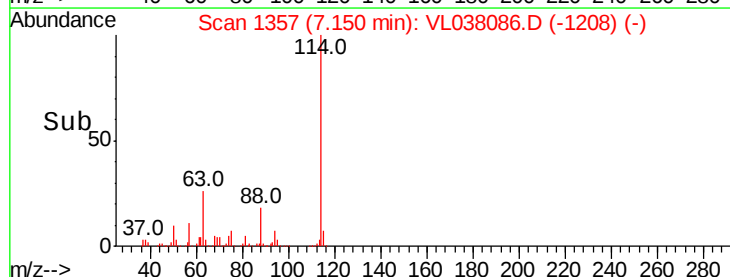
500000

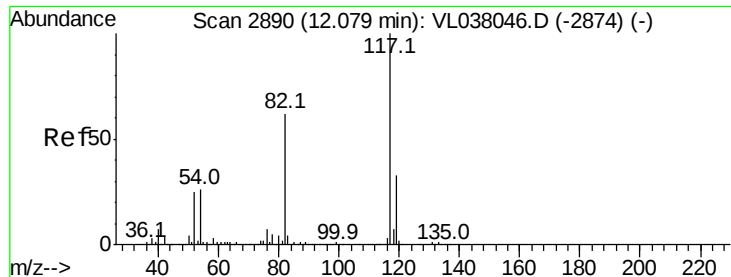
0

7.15

7.10 7.20

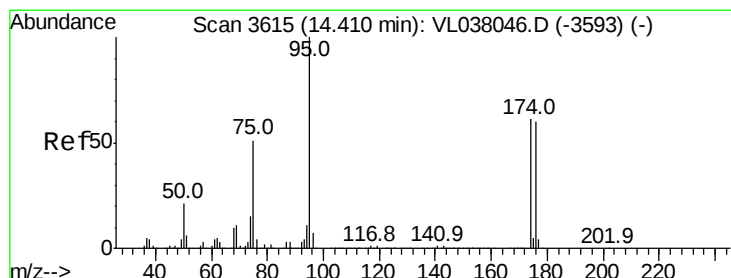
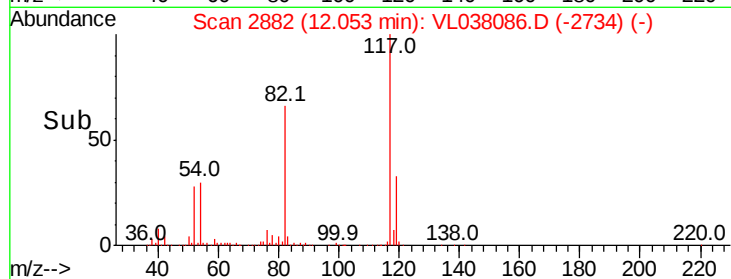
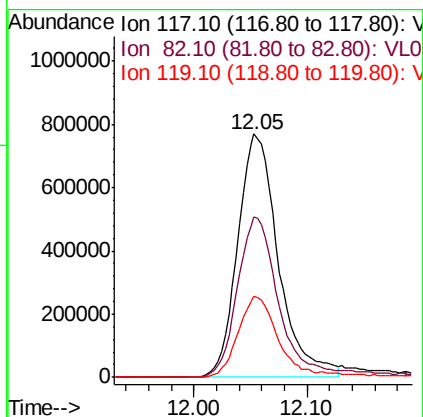
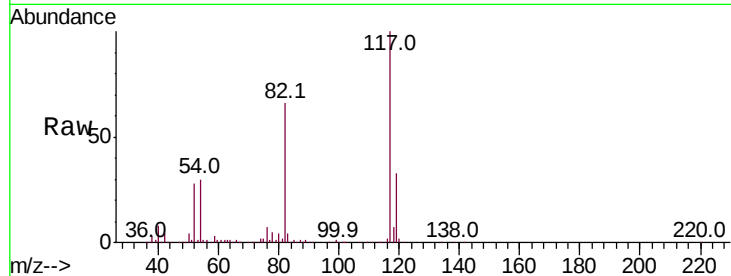
Time-->





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.05 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 TRANS-SHOPDL2
 Acq: 19 Nov 2021 15:40

Tot Ion: 117 Resp: 1929940
 Ion Ratio Lower Upper
 117 100
 82 69.6 52.8 79.2
 119 34.3 26.8 40.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.698 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T.: -0.03 min
 Lab File: VL038086.D
 Acq: 19 Nov 2021 15:40

Tgt Ion: 95 Resp: 1489237
 Ion Ratio Lower Upper
 95 100
 174 62.9 53.1 79.7
 175 4.7 4.0 6.0

