

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050219\
 Data File : VL033639.D
 Acq On : 2 May 2019 22:24
 Operator : SY/AP
 Sample : K2628-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-7DL

Quant Time: May 03 04:36:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:29:02 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	917386	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2176281	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2250980	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1802064	10.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

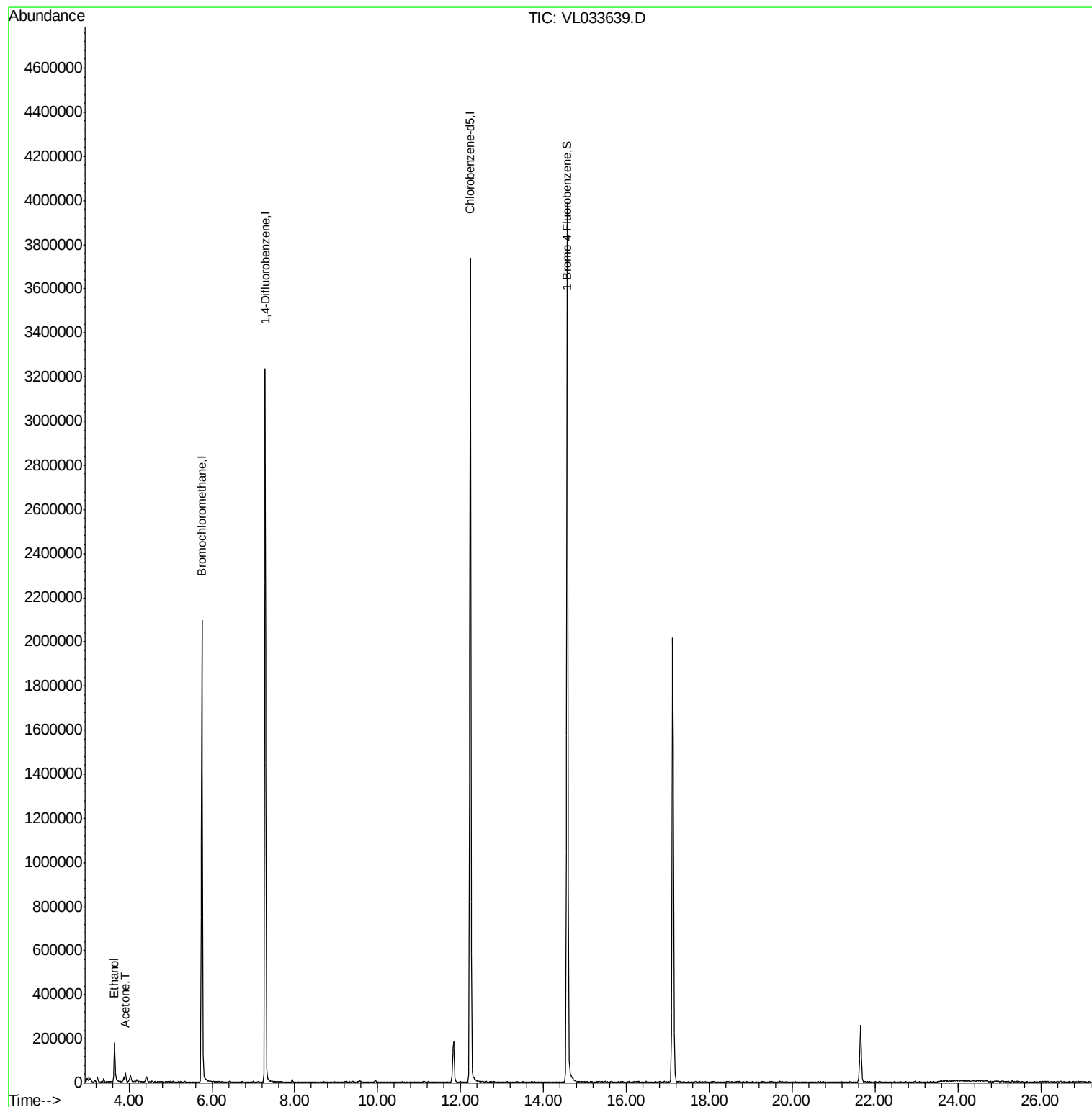
Target Compounds					Ovalue
13) Ethanol	3.65	45	176259	12.378	ppbv 97
15) Acetone	3.91	43	37647	0.337	ppbv 95

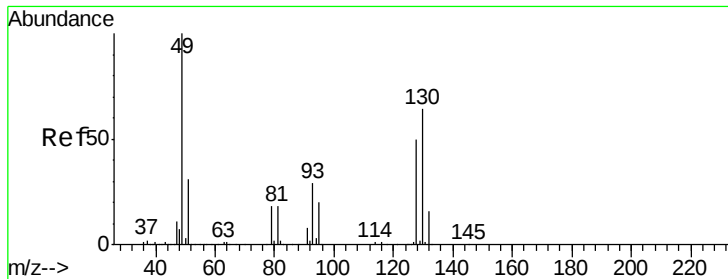
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL033639.D

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Instrument :

MSVOA_L

ClientSampleId :

A-7DL

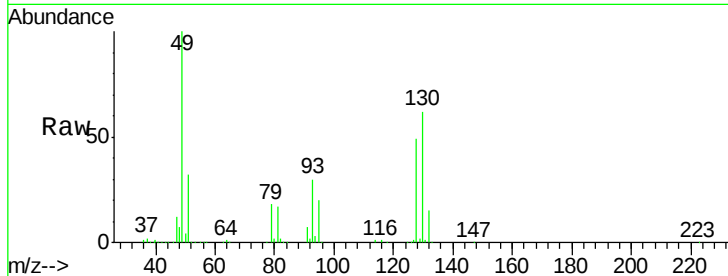
Tot Ion: 49 Resp: 917386

Ion Ratio Lower Upper

49 100

128 48.9 25.0 75.0

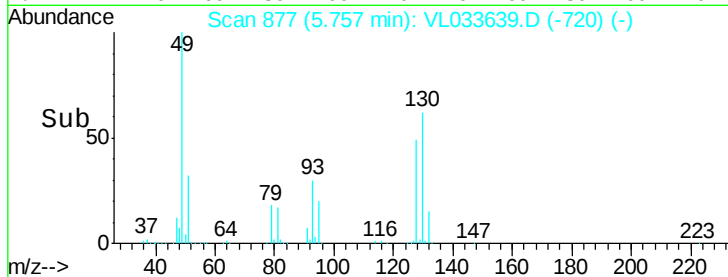
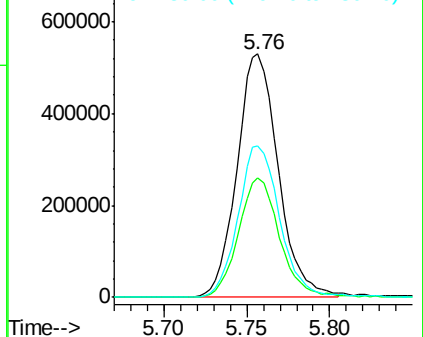
130 63.8 31.9 95.9



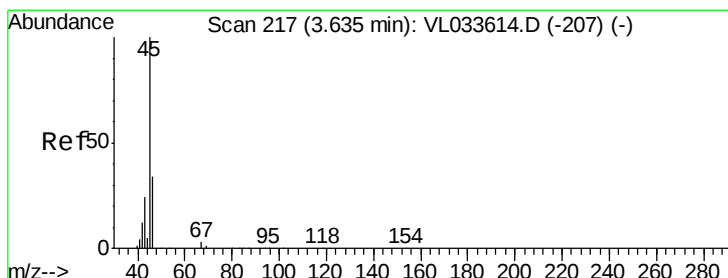
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Scan 877 (5.757 min): VL033639.D (-720) (-)



#13

Ethanol

Concen: 12.378 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.01 min

Lab File: VL033639.D

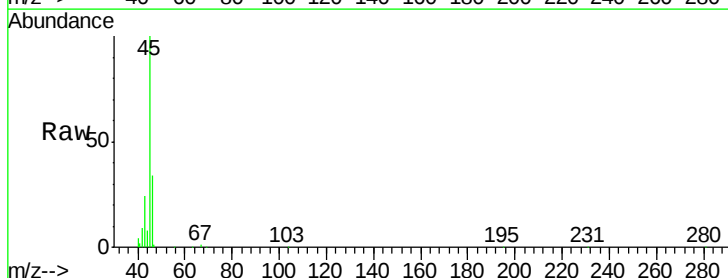
Acq: 2 May 2019 22:24

Tgt Ion: 45 Resp: 176259

Ion Ratio Lower Upper

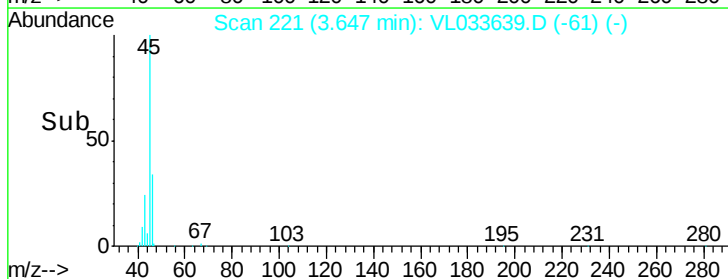
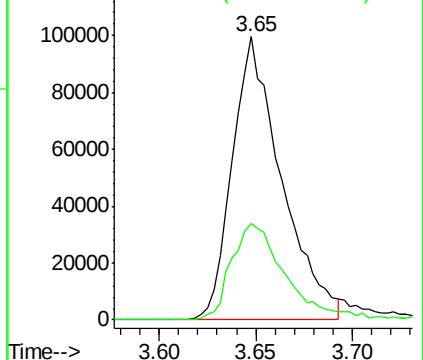
45 100

46 38.2 14.6 58.2

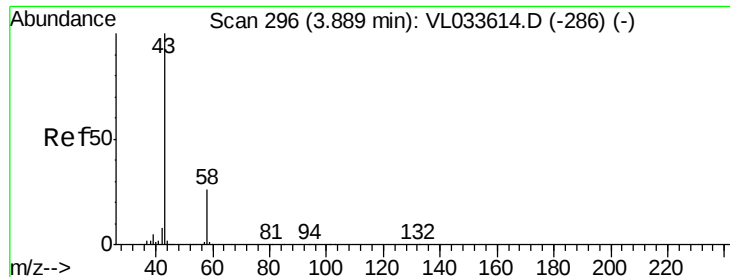


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



Scan 221 (3.647 min): VL033639.D (-61) (-)



#15

Acetone

Concen: 0.337 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.02 min

Lab File: VL033639.D

Acq: 2 May 2019 22:24

Instrument :

MSVOA_L

ClientSampleId :

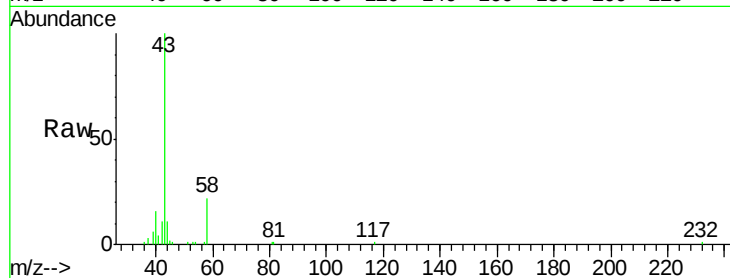
A-7DL

Tot Ion: 43 Resp: 37647

Ion Ratio Lower Upper

43 100

58 28.9 21.2 31.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

25000

20000

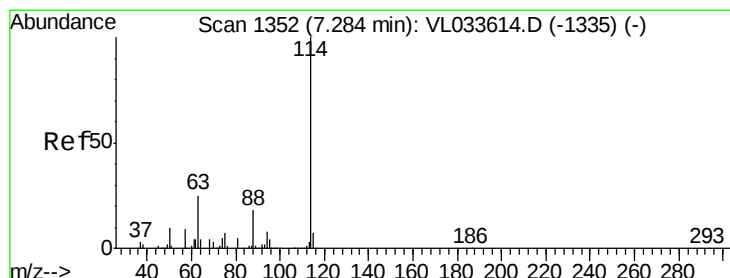
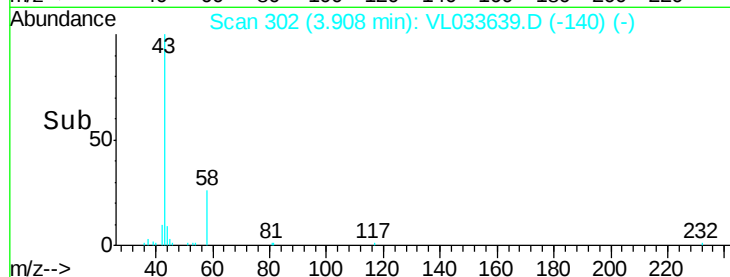
15000

10000

5000

0

Time--> 3.85 3.90 3.95



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. 0.00 min

Lab File: VL033639.D

Acq: 2 May 2019 22:24

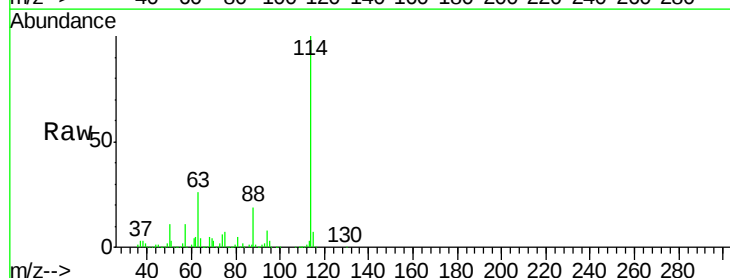
Tgt Ion: 114 Resp: 2176281

Ion Ratio Lower Upper

114 100

63 26.5 21.1 31.7

88 18.2 14.2 21.4



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

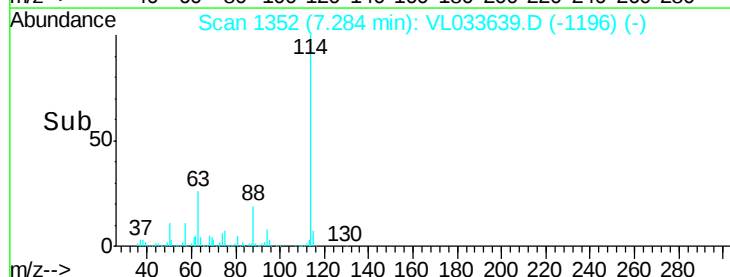
1500000

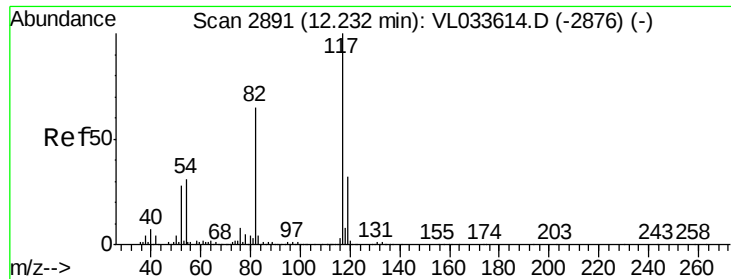
1000000

500000

0

Time--> 7.20 7.25 7.30 7.35

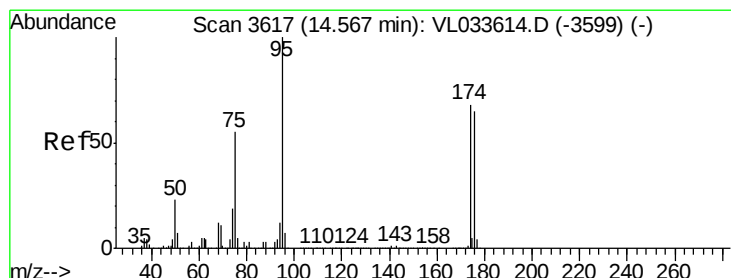
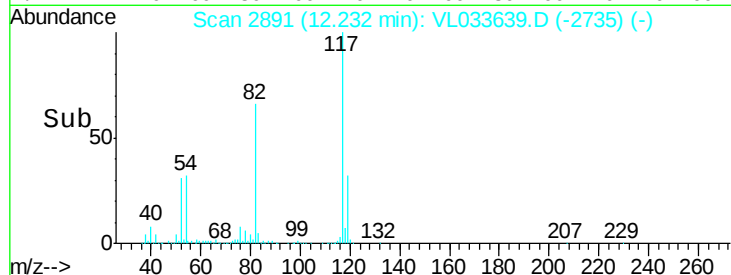
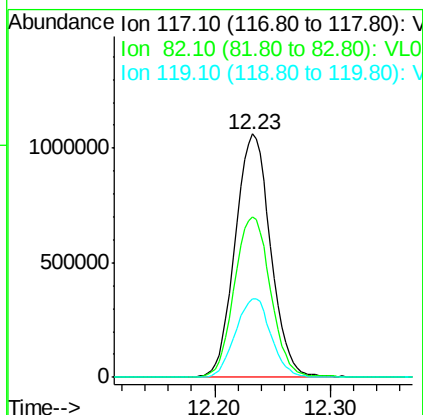
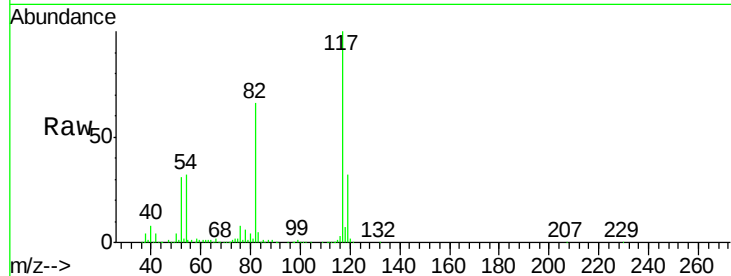




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL033639.D
Acq: 2 May 2019 22:24

Instrument :
MSVOA_L
ClientSampleId :
A-7DL

Tot Ion:117 Resp: 2250980
Ion Ratio Lower Upper
117 100
82 67.9 52.6 78.8
119 32.7 28.3 42.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.516 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033639.D
Acq: 2 May 2019 22:24

Tgt Ion: 95 Resp: 1802064
Ion Ratio Lower Upper
95 100
174 66.5 53.9 80.9
175 4.9 4.0 6.0

