

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033025.D
 Acq On : 20 Dec 2018 14:47
 Operator : SY/AP
 Sample : VL1220ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABL01

Quant Time: Dec 21 06:28:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1242367	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2861522	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2759923	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2051452	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

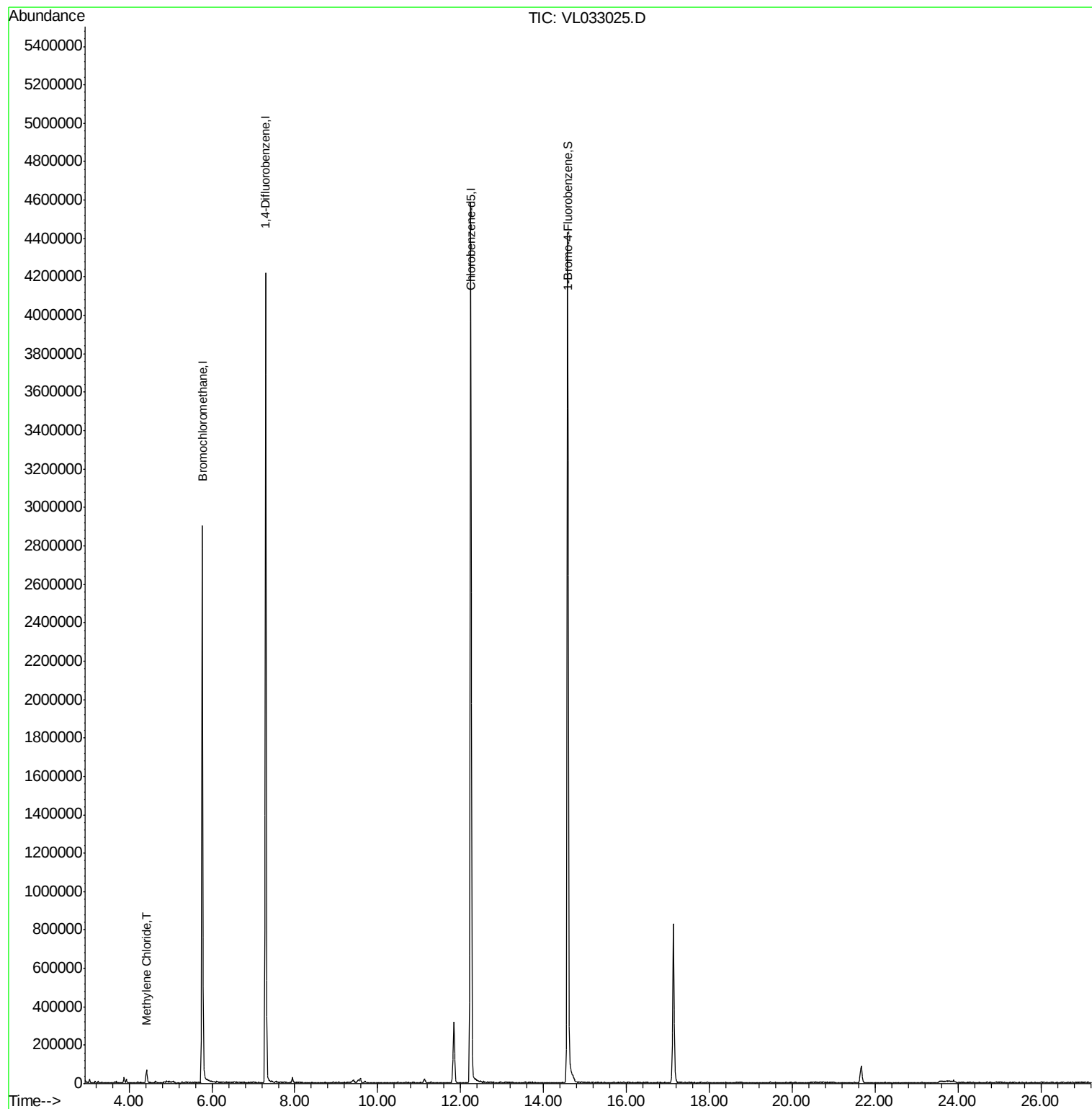
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.41	84	21243	0.408	ppbv	# 81

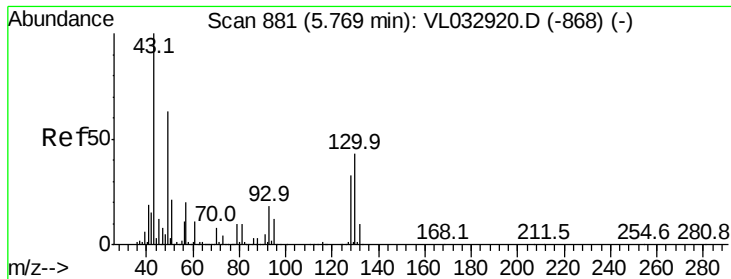
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033025.D

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Instrument :

MSVOA_L

ClientSampleId :

VL1220ABL01

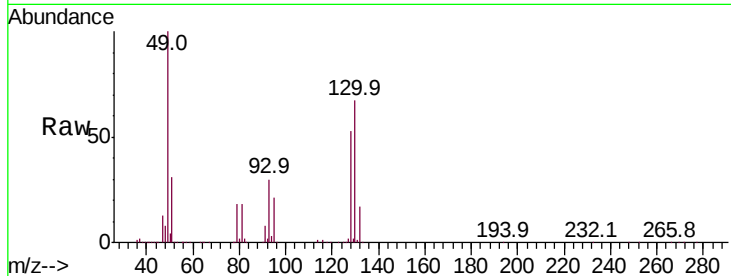
Tot Ion: 49 Resp: 1242367

Ion Ratio Lower Upper

49 100

128 53.6 26.3 78.8

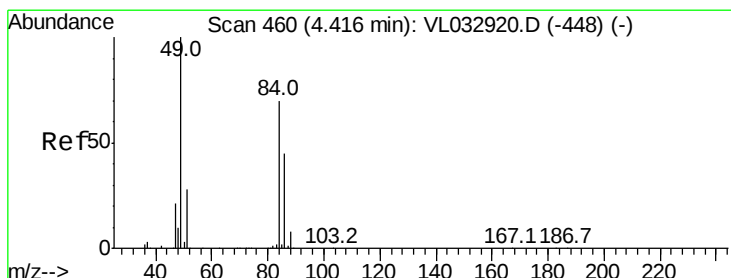
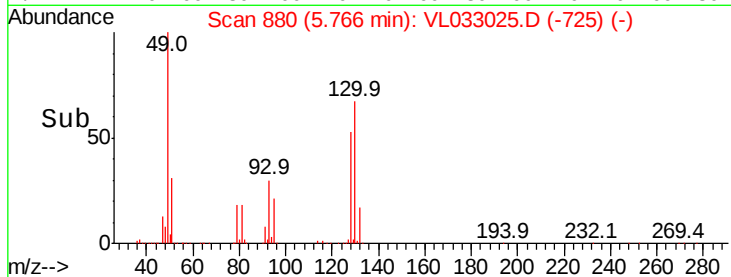
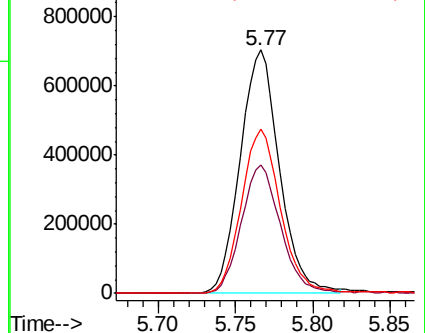
130 68.1 33.9 101.7



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



#20

Methylene Chloride

Concen: 0.408 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.01 min

Lab File: VL033025.D

Acq: 20 Dec 2018 14:47

Tgt Ion: 84 Resp: 21243

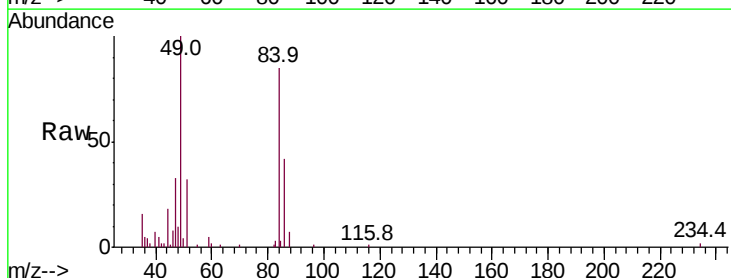
Ion Ratio Lower Upper

84 100

49 114.1 113.8 170.8

51 36.1 31.8 47.8

86 48.4 50.8 76.2#

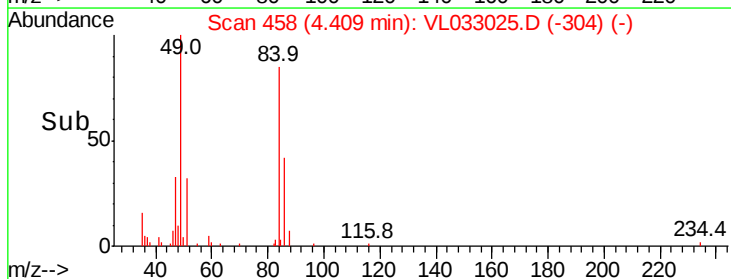
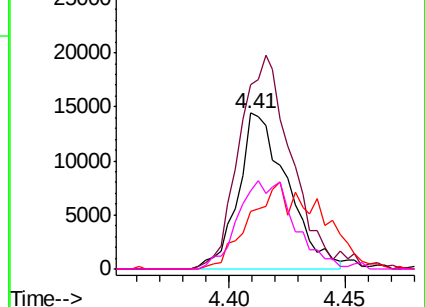


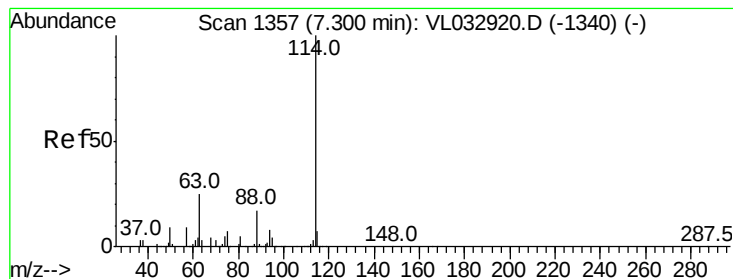
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033025.D

Acq: 20 Dec 2018 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABL01

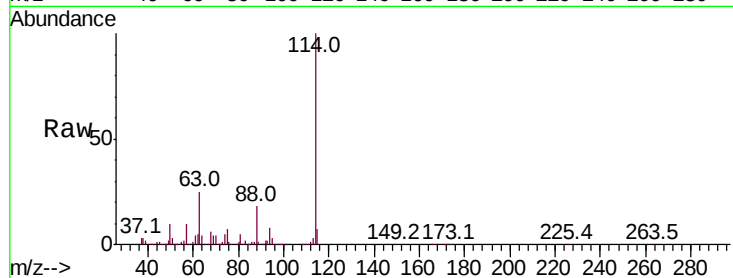
Tot Ion:114 Resp: 2861522

Ion Ratio Lower Upper

114 100

63 25.2 20.1 30.1

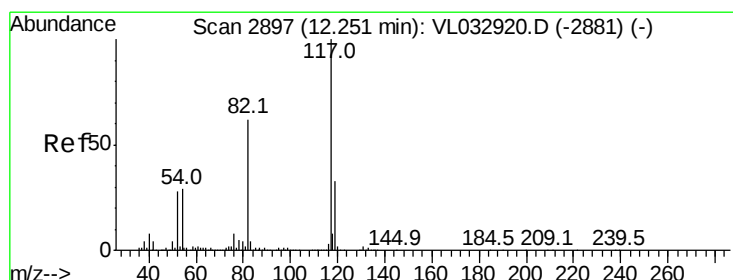
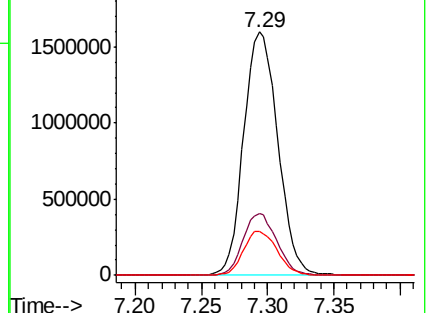
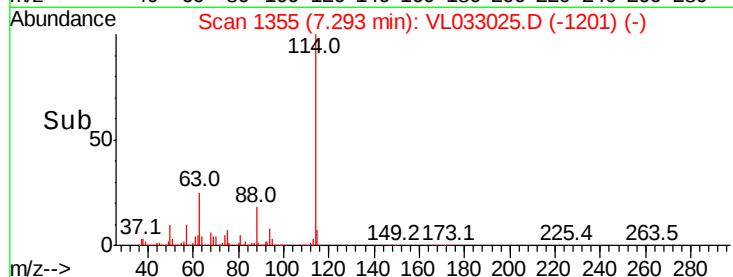
88 18.0 14.2 21.4



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL033025.D

Acq: 20 Dec 2018 14:47

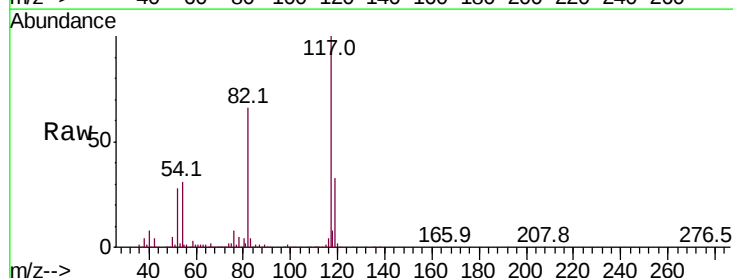
Tgt Ion:117 Resp: 2759923

Ion Ratio Lower Upper

117 100

82 65.6 47.8 71.8

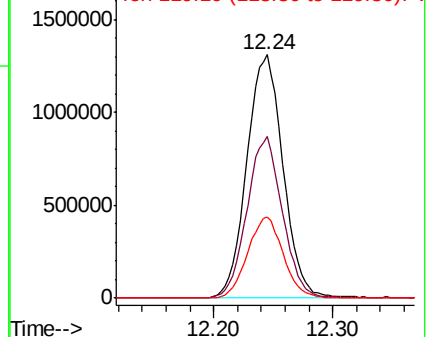
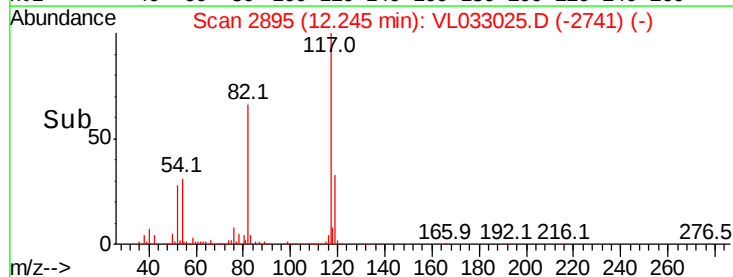
119 32.8 43.1 64.7#

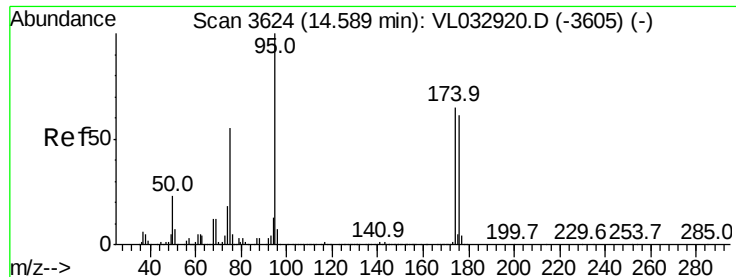


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.061 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

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Acq: 20 Dec 2018 14:47

Instrument :

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VL1220ABL01

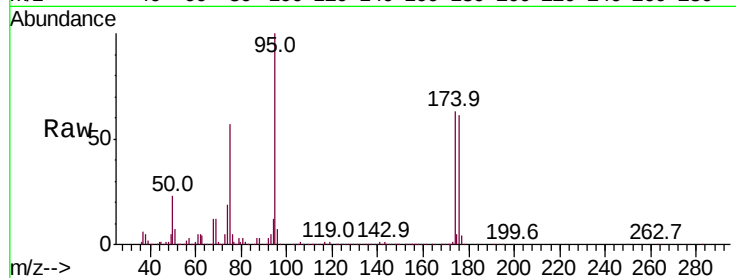
Tot Ion: 95 Resp: 2051452

Ion Ratio Lower Upper

95 100

174 65.6 51.4 77.0

175 4.9 3.8 5.6



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

