

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033048.D
 Acq On : 21 Dec 2018 10:30
 Operator : SY/AP
 Sample : OC121318 CAN 10323
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 22 05:37:03 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	927336	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2207276	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2015021	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	1572974	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

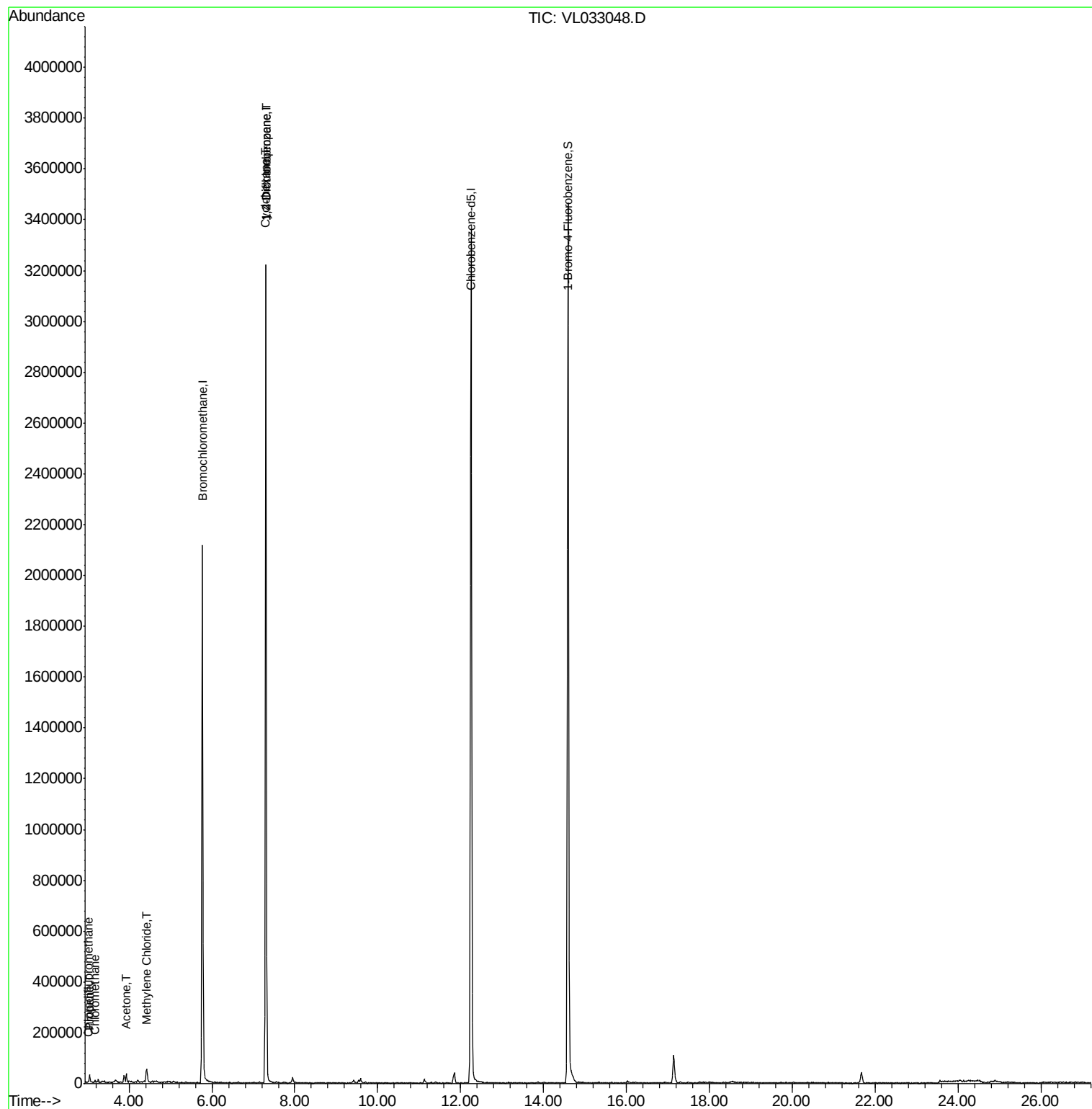
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.02	51	2675	0.038	ppbv #	84
4) Chloromethane	3.18	50	8521	0.208	ppbv #	77
9) Propene	3.06	41	5073	0.183	ppbv	90
15) Acetone	3.93	43	30892	0.388	ppbv	92
20) Methylene Chloride	4.42	84	15259	0.392	ppbv	92
30) Cyclohexane	7.29	84	5479	0.076	ppbv #	1
39) 1,2-Dichloropropane	7.30	63	551838	8.963	ppbv #	22

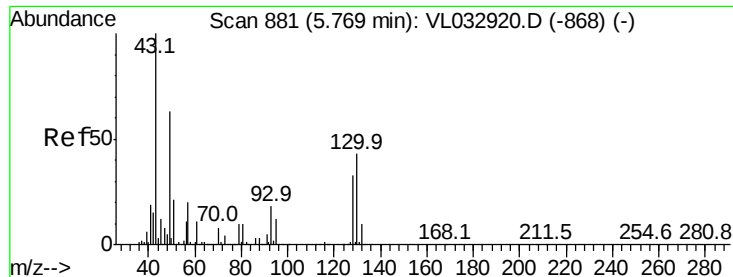
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL122018\
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QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033048.D

Acq: 21 Dec 2018 10:30

Instrument :
MSVOA_L
ClientSampled :

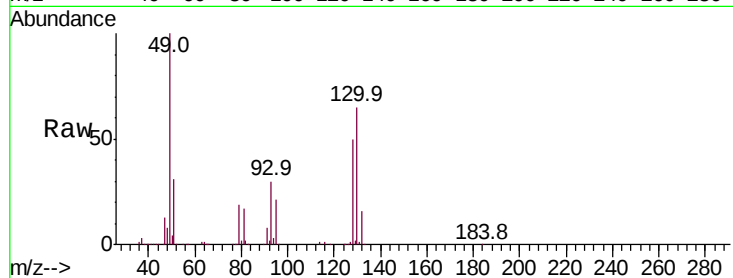
Tot Ion: 49 Resp: 927336

Ion Ratio Lower Upper

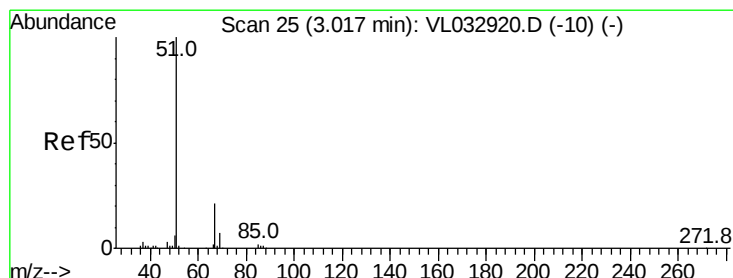
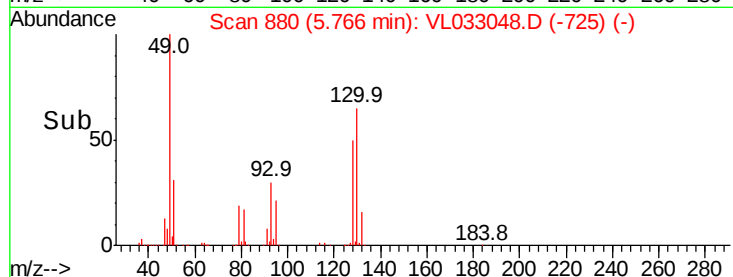
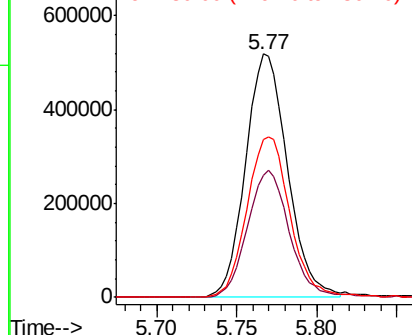
49 100

128 52.7 26.3 78.8

130 68.3 33.9 101.7



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



#3

Chlorodifluoromethane

Concen: 0.038 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033048.D

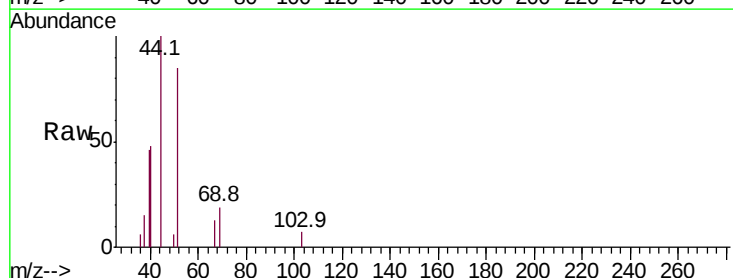
Acq: 21 Dec 2018 10:30

Tgt Ion: 51 Resp: 2675

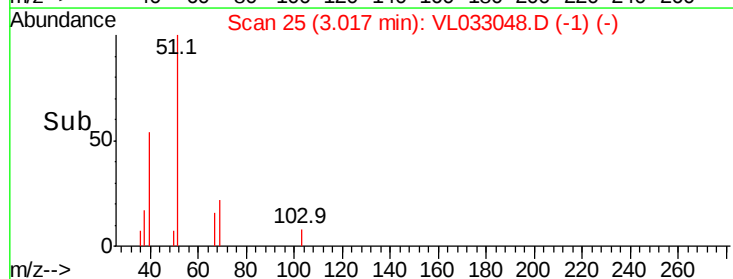
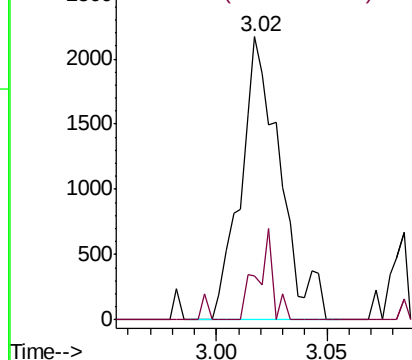
Ion Ratio Lower Upper

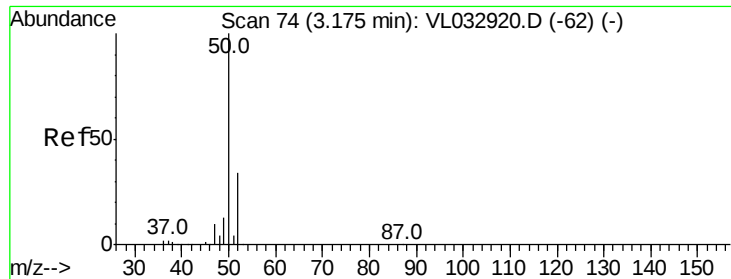
51 100

67 13.4 16.8 25.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.208 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL033048.D

Acq: 21 Dec 2018 10:30

Instrument :

MSVOA_L

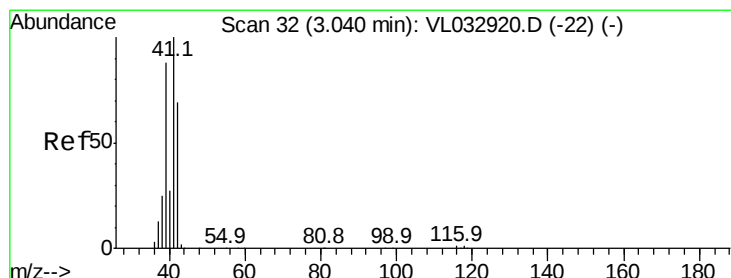
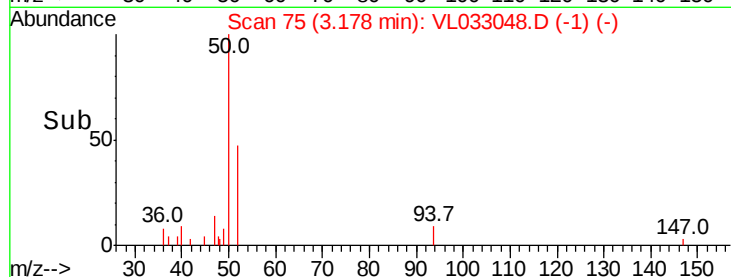
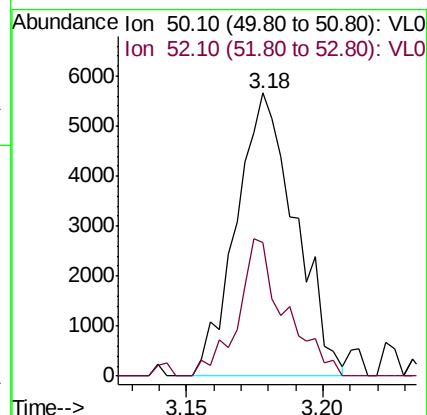
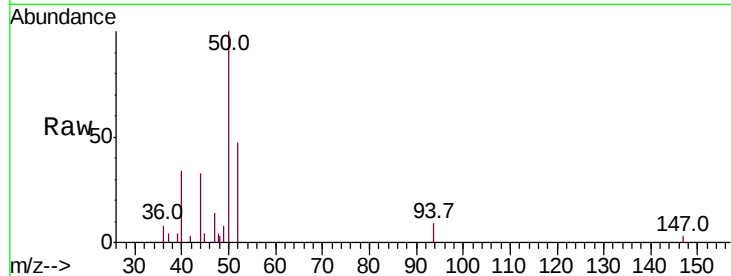
ClientSampleId :

Tot Ion: 50 Resp: 8521

Ion Ratio Lower Upper

50 100

52 47.1 27.3 40.9#



#9

Propene

Concen: 0.183 ppbv

RT: 3.06 min Scan# 38

Delta R.T. 0.02 min

Lab File: VL033048.D

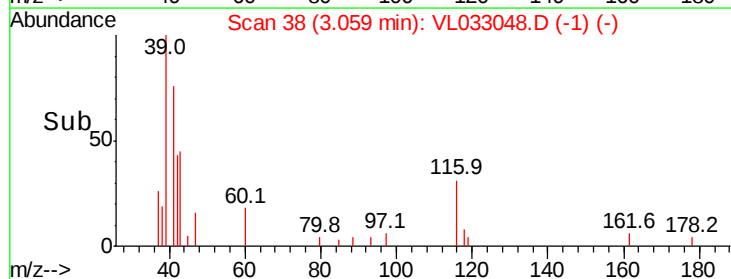
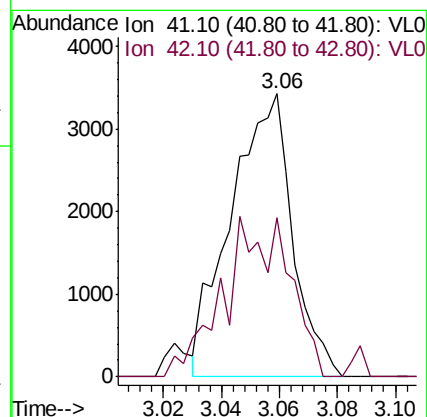
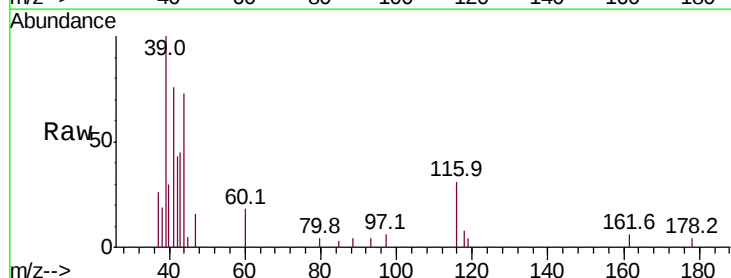
Acq: 21 Dec 2018 10:30

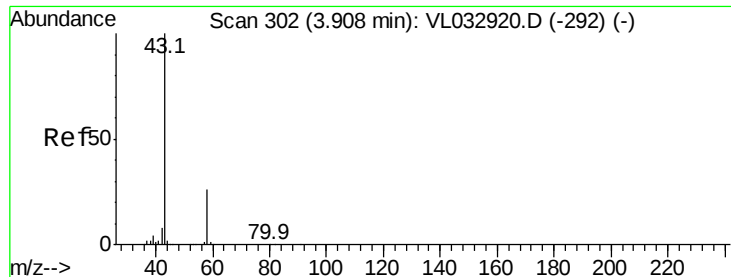
Tgt Ion: 41 Resp: 5073

Ion Ratio Lower Upper

41 100

42 61.7 56.2 84.2





#15

Acetone

Concen: 0.388 ppbv

RT: 3.93 min Scan# 310

Delta R.T. 0.03 min

Lab File: VL033048.D

Acq: 21 Dec 2018 10:30

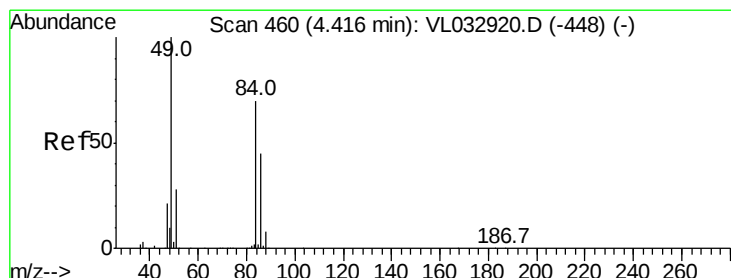
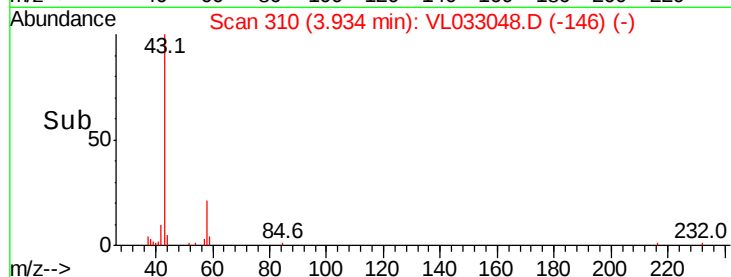
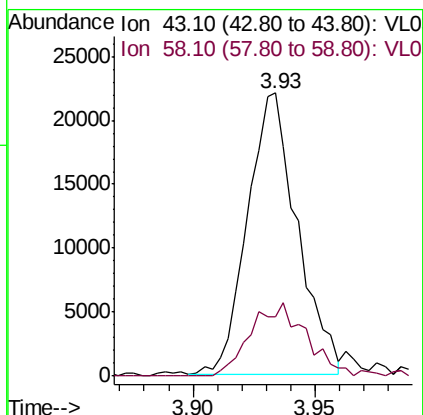
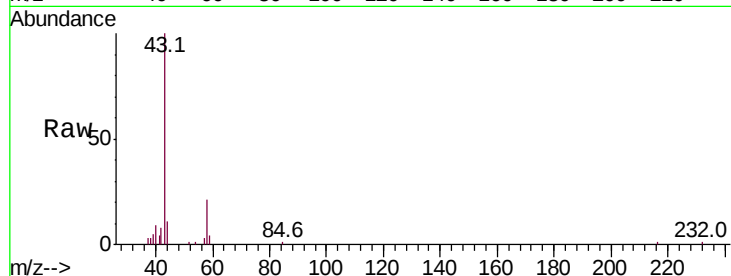
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 30892

Ion Ratio Lower Upper

43 100

58 29.7 20.6 30.8



#20

Methylene Chloride

Concen: 0.392 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL033048.D

Acq: 21 Dec 2018 10:30

Tgt Ion: 84 Resp: 15259

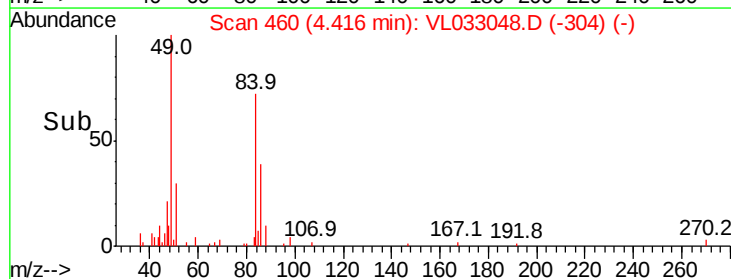
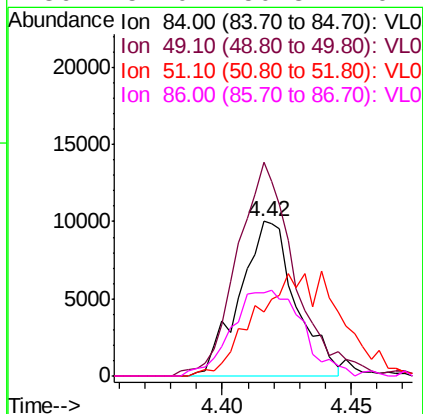
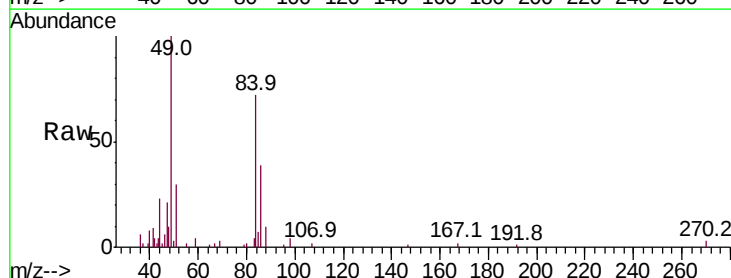
Ion Ratio Lower Upper

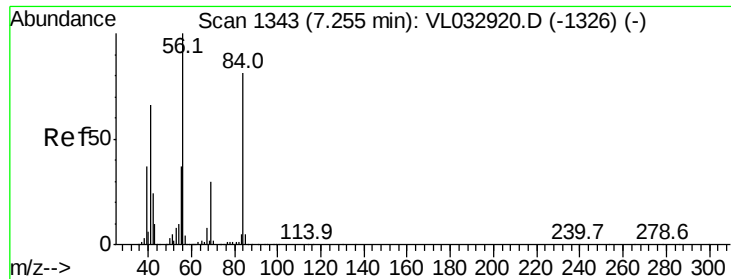
84 100

49 134.4 113.8 170.8

51 41.6 31.8 47.8

86 51.0 50.8 76.2

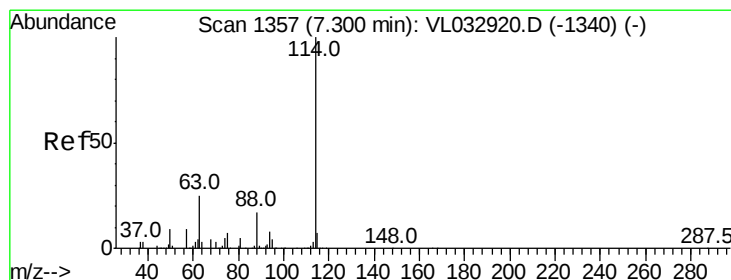
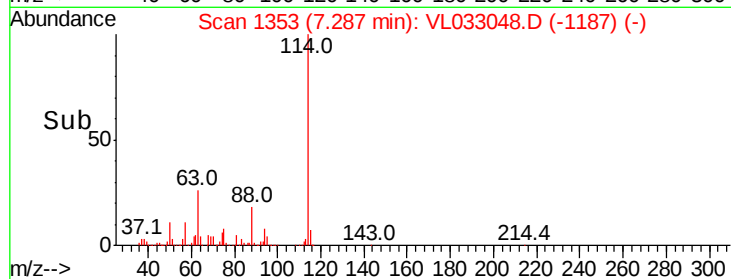
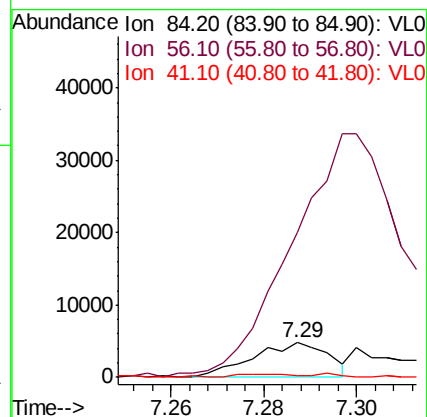
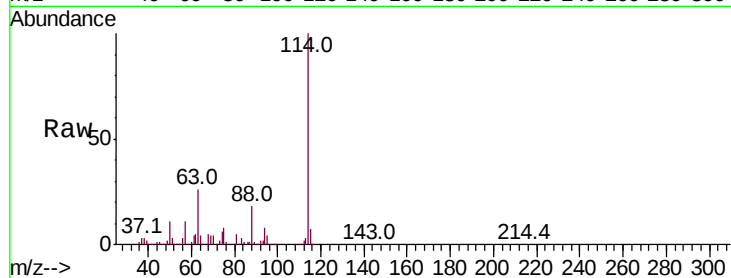




#30
Cvclohexane
Concen: 0.076 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. 0.03 min
Lab File: VL033048.D
Acq: 21 Dec 2018 10:30

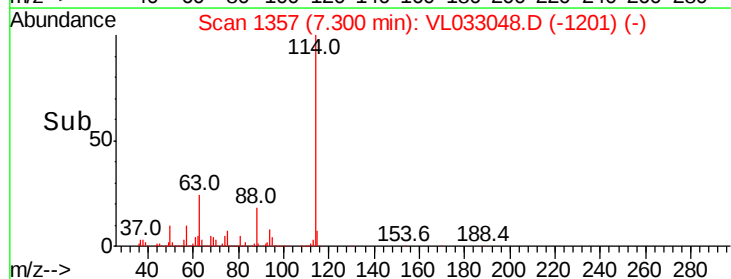
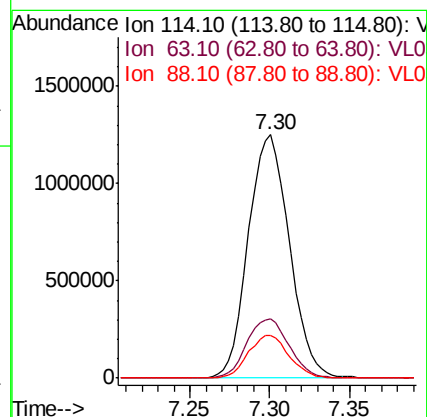
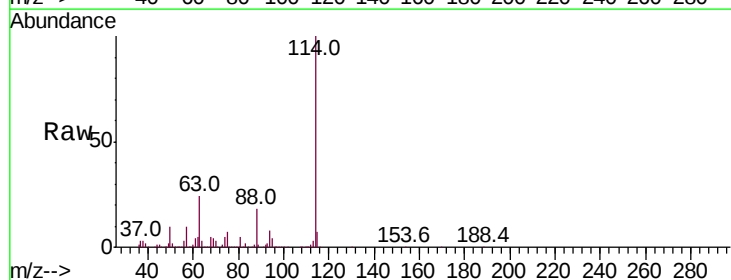
Instrument :
MSVOA_L
ClientSampleId :

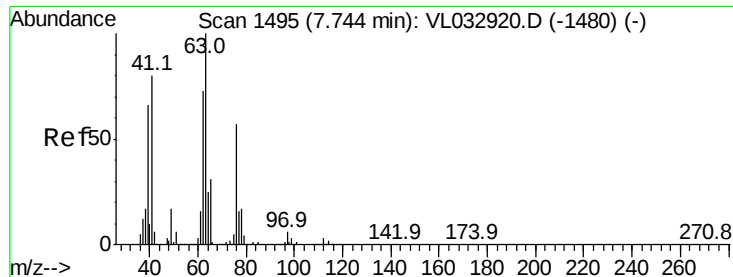
Tot Ion: 84 Resp: 5479
Ion Ratio Lower Upper
84 100
56 0.0 102.5 153.7#
41 0.0 64.1 96.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL033048.D
Acq: 21 Dec 2018 10:30

Tgt Ion:114 Resp: 2207276
Ion Ratio Lower Upper
114 100
63 25.1 20.1 30.1
88 17.6 14.2 21.4





#39

1,2-Dichloropropane

Concen: 8.963 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.44 min

Lab File: VL033048.D

Acq: 21 Dec 2018 10:30

Instrument :

MSVOA_L

ClientSampleId :

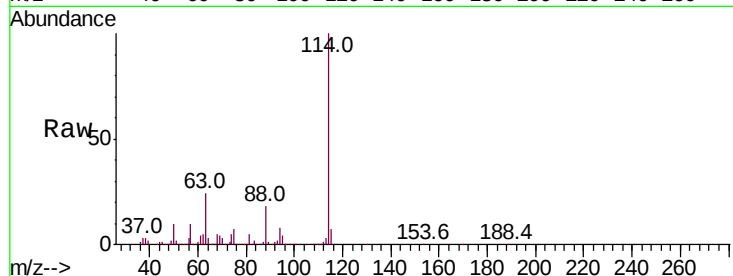
Tot Ion: 63 Resp: 551838

Ion Ratio Lower Upper

63 100

41 0.0 63.9 95.9#

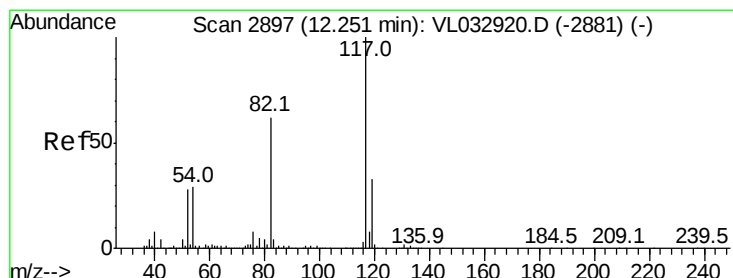
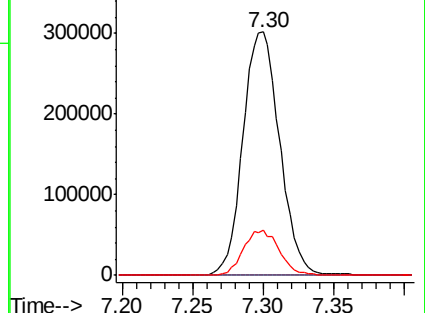
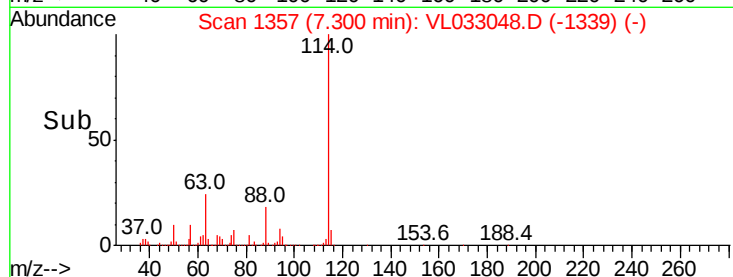
62 18.8 58.8 88.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL033048.D

Acq: 21 Dec 2018 10:30

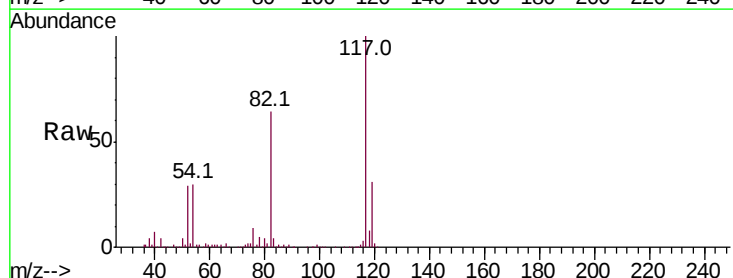
Tgt Ion: 117 Resp: 2015021

Ion Ratio Lower Upper

117 100

82 65.0 47.8 71.8

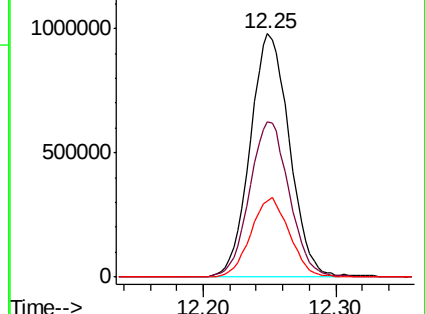
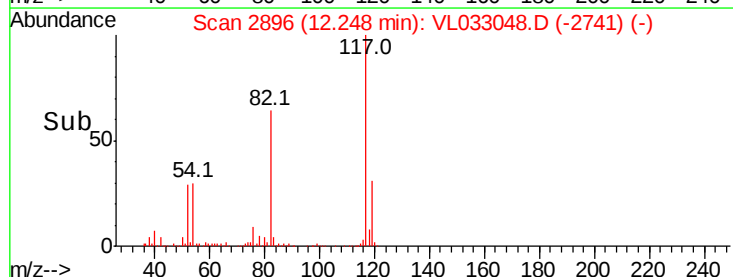
119 32.5 43.1 64.7#

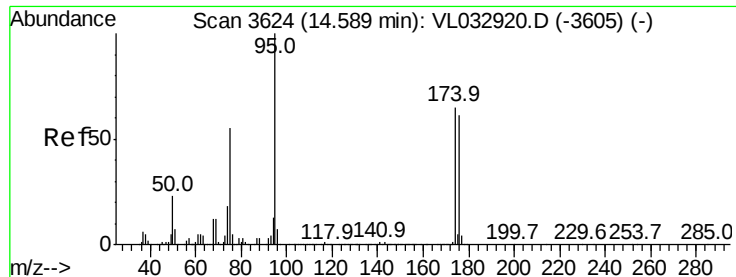


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.566 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL033048.D

Acq: 21 Dec 2018 10:30

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 1572974

Ion Ratio Lower Upper

95 100

174 65.9 51.4 77.0

175 4.9 3.8 5.6

