

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035108.D
 Acq On : 22 Jun 2020 12:53
 Operator : SY/AP
 Sample : L3075-01DL 20X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-01DL

Quant Time: Jun 22 14:33:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1367543	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3160925	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3023113	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2533761	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

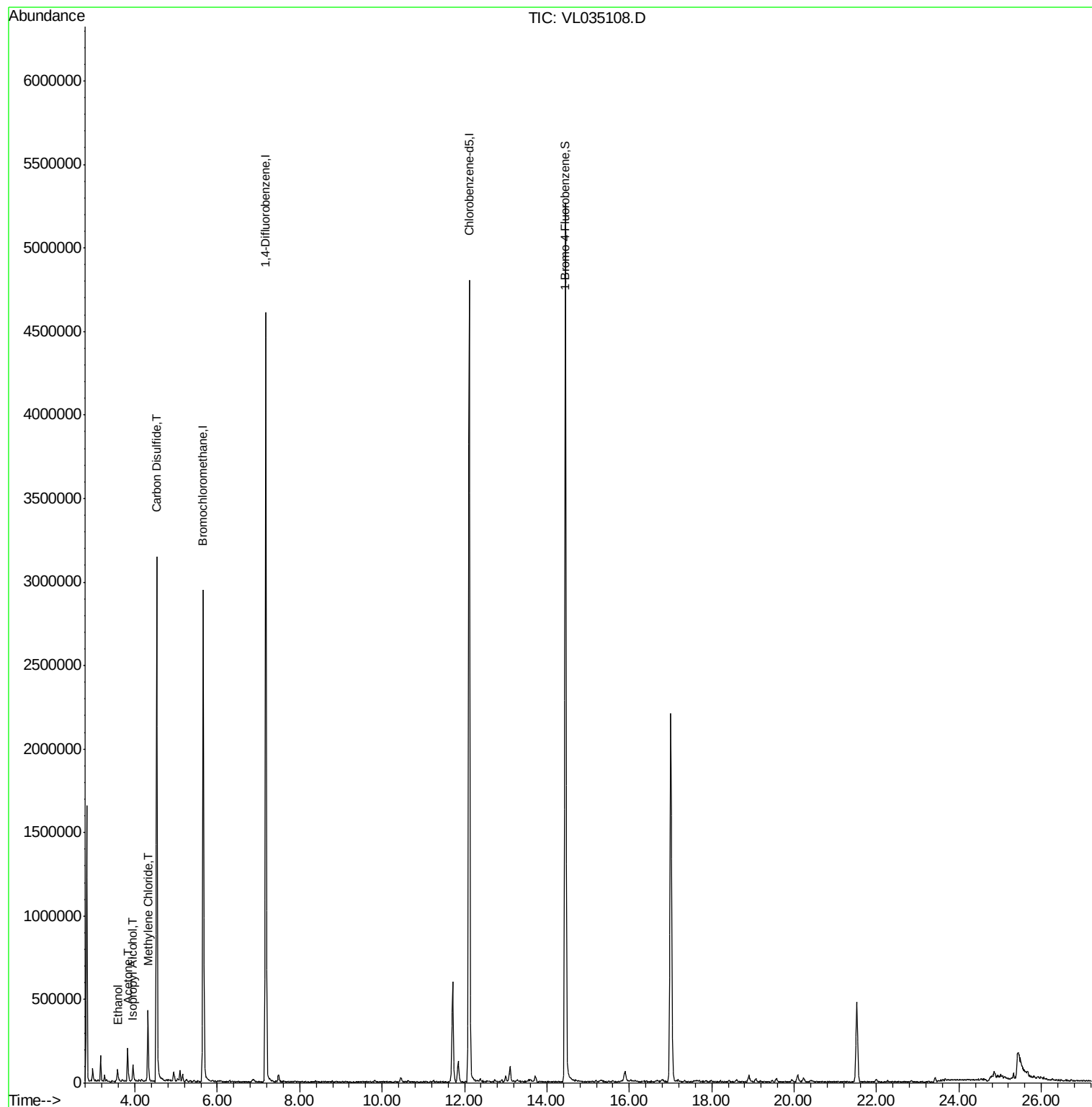
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.57	45	68671	3.039	ppbv	92
15) Acetone	3.82	43	193760	1.172	ppbv	96
19) Isopropyl Alcohol	3.95	45	96343	0.897	ppbv #	97
20) Methylene Chloride	4.32	84	132234	1.976	ppbv	98
27) Carbon Disulfide	4.53	76	3647582	26.200	ppbv	99

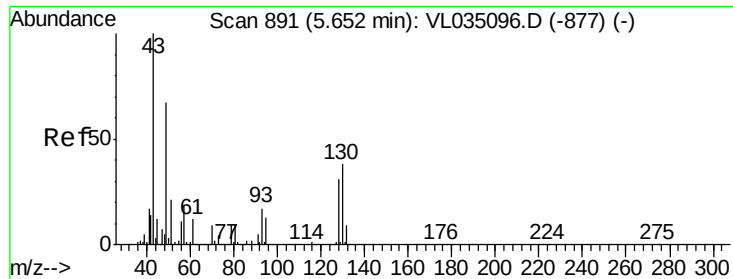
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035108.D

Acq: 22 Jun 2020 12:53

Instrument :

MSVOA_L

ClientSampleId :

CARBON-01DL

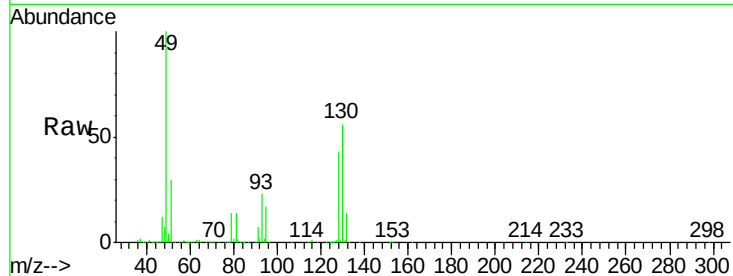
Tot Ion: 49 Resp: 1367543

Ion Ratio Lower Upper

49 100

128 46.6 22.9 68.5

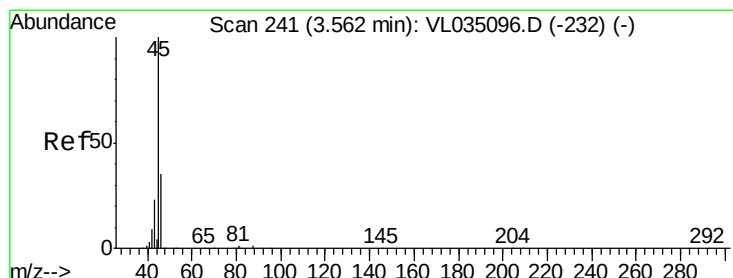
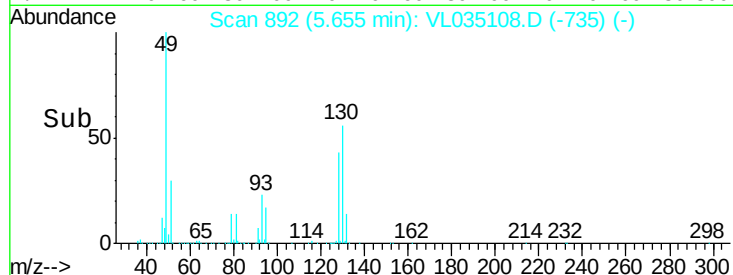
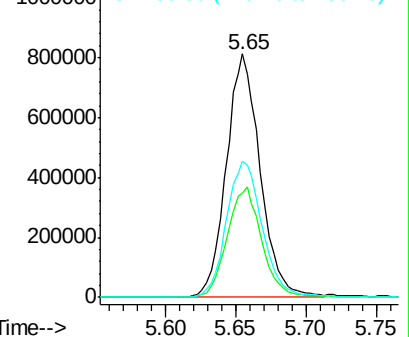
130 59.8 29.0 87.0



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



#13

Ethanol

Concen: 3.039 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035108.D

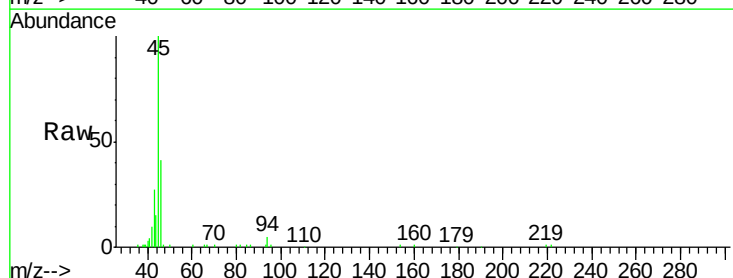
Acq: 22 Jun 2020 12:53

Tgt Ion: 45 Resp: 68671

Ion Ratio Lower Upper

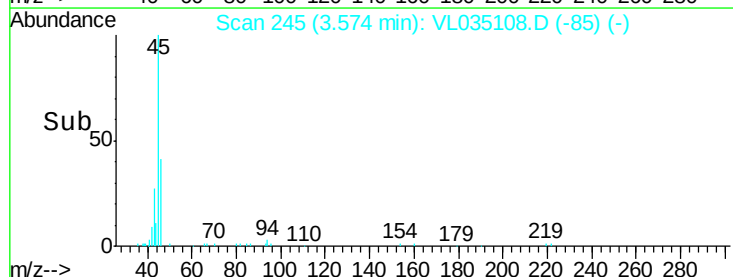
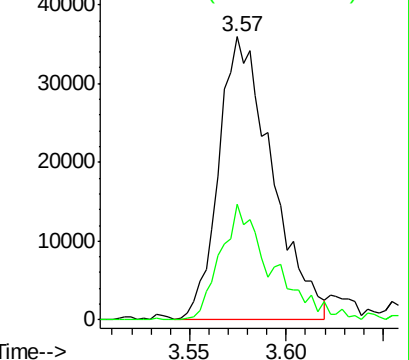
45 100

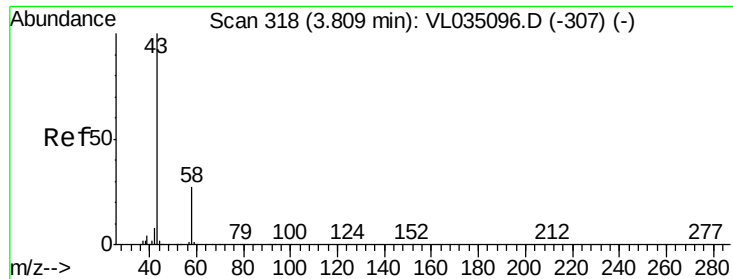
46 40.3 14.2 57.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.172 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.01 min

Lab File: VL035108.D

Acq: 22 Jun 2020 12:53

Instrument :

MSVOA_L

ClientSampleId :

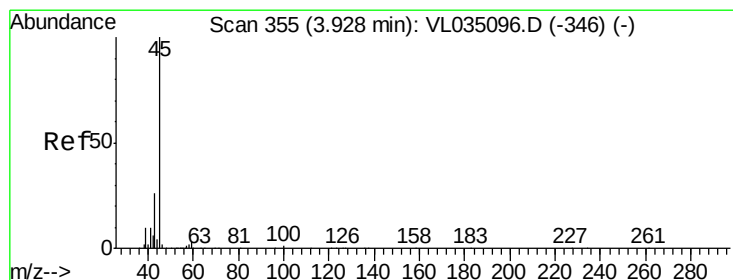
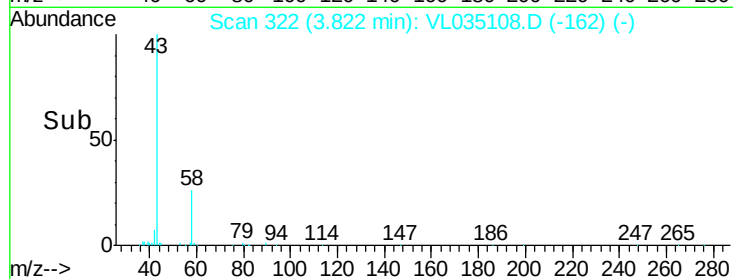
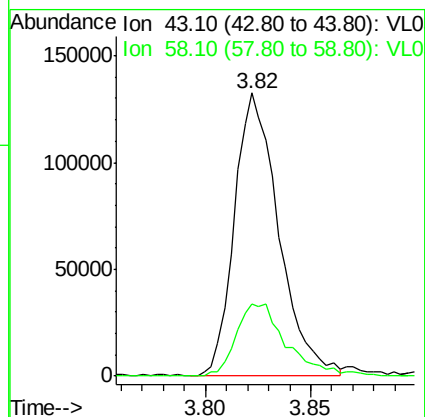
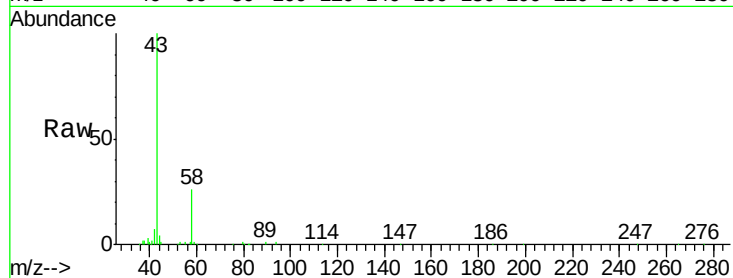
CARBON-01DL

Tot Ion: 43 Resp: 193760

Ion Ratio Lower Upper

43 100

58 29.2 21.8 32.6



#19

Isopropyl Alcohol

Concen: 0.897 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.02 min

Lab File: VL035108.D

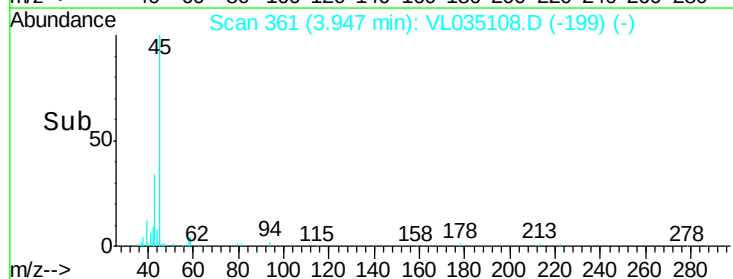
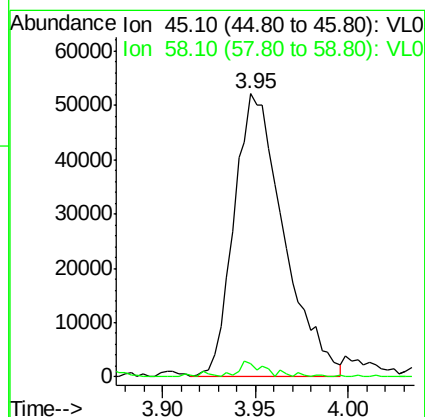
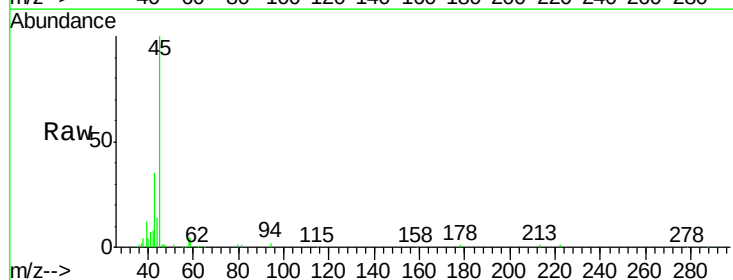
Acq: 22 Jun 2020 12:53

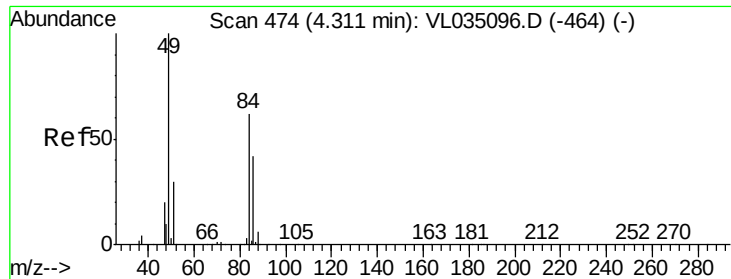
Tgt Ion: 45 Resp: 96343

Ion Ratio Lower Upper

45 100

58 3.3 1.8 2.8#

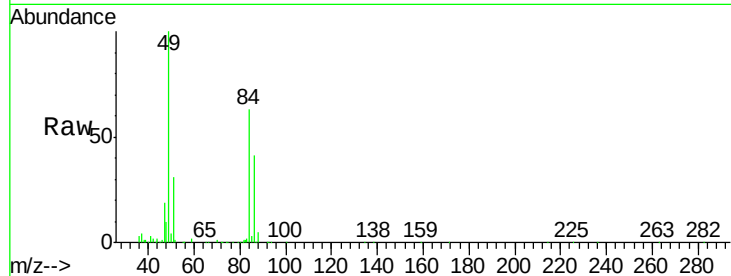




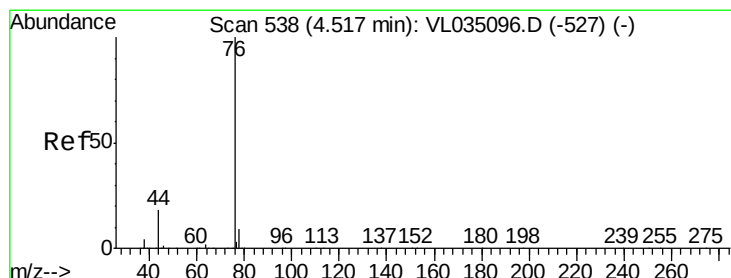
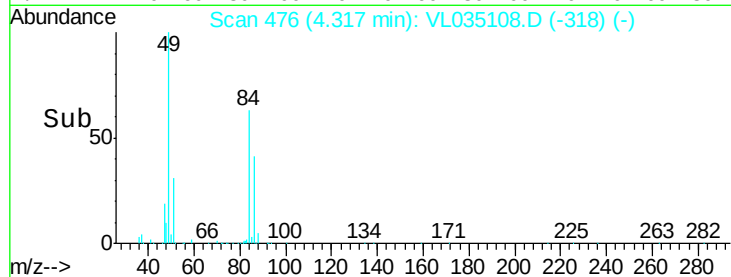
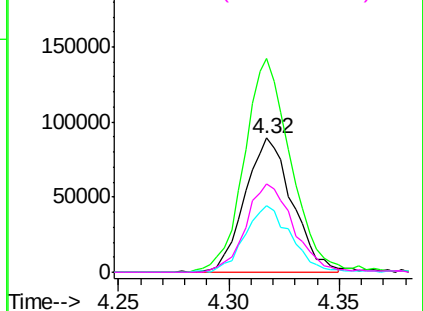
#20
Methylene Chloride
Concen: 1.976 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.01 min
Lab File: VL035108.D
Acq: 22 Jun 2020 12:53

Instrument :
MSVOA_L
ClientSampleId :
CARBON-01DL

Tot Ion:	84	Resp:	132234
Ion	Ratio	Lower	Upper
84	100		
49	159.8	128.8	193.2
51	50.9	38.7	58.1
86	66.0	54.1	81.1

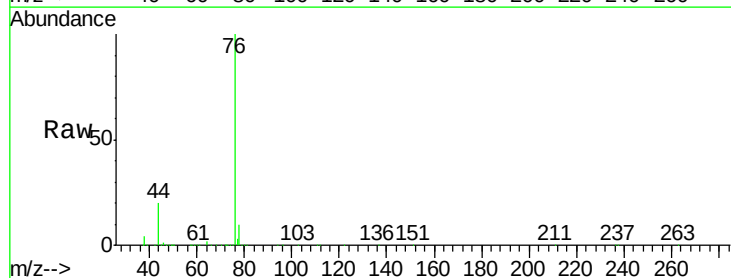


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

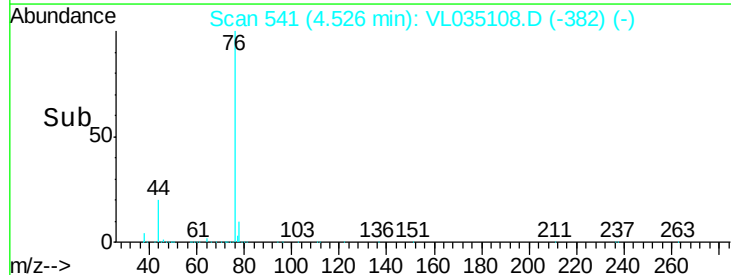
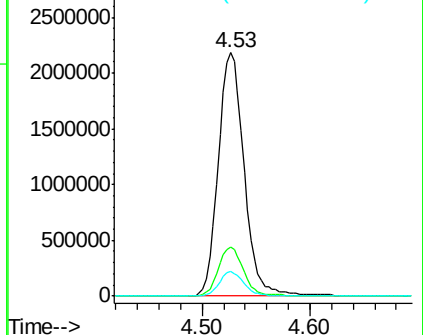


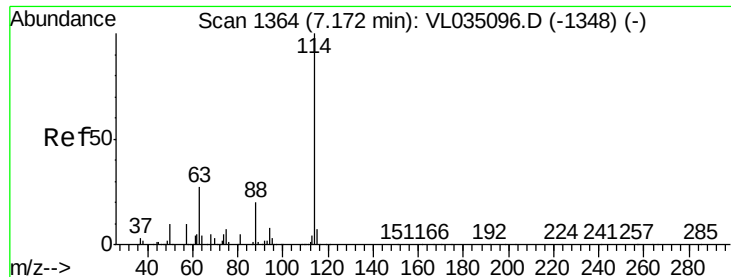
#27
Carbon Disulfide
Concen: 26.200 ppbv
RT: 4.53 min Scan# 541
Delta R.T. 0.01 min
Lab File: VL035108.D
Acq: 22 Jun 2020 12:53

Tgt Ion:	76	Resp:	3647582
Ion	Ratio	Lower	Upper
76	100		
44	19.4	15.8	23.8
78	9.9	7.6	11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

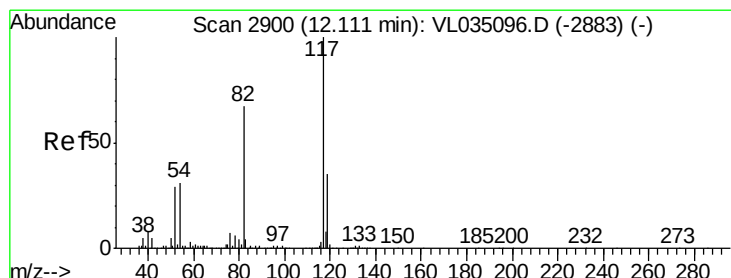
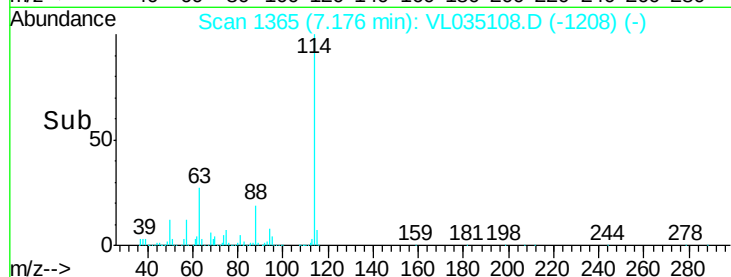
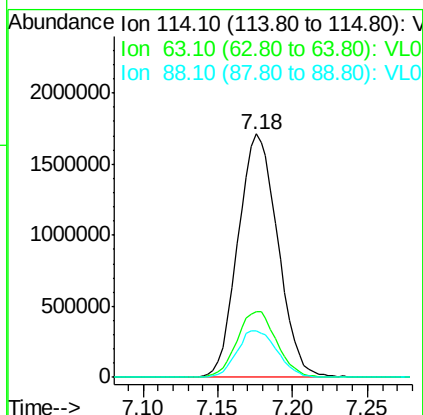
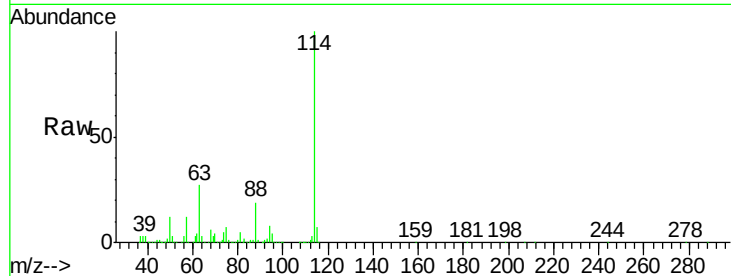




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL035108.D
 Acq: 22 Jun 2020 12:53

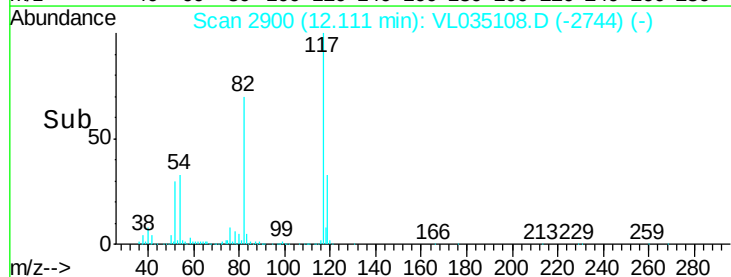
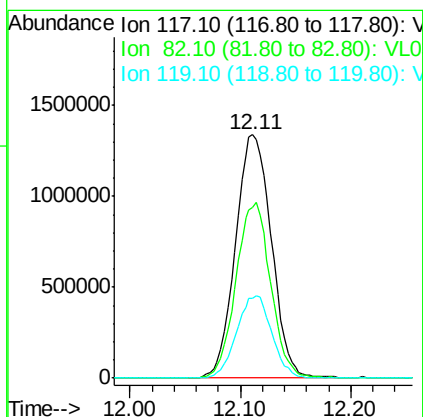
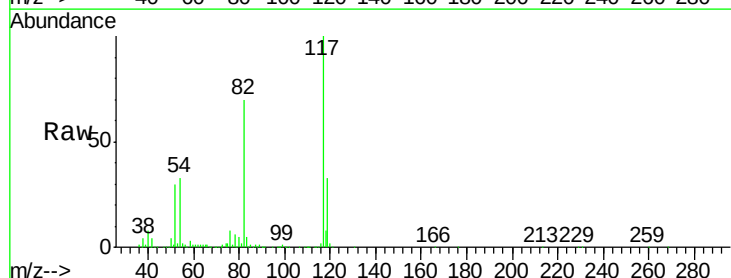
Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-01DL

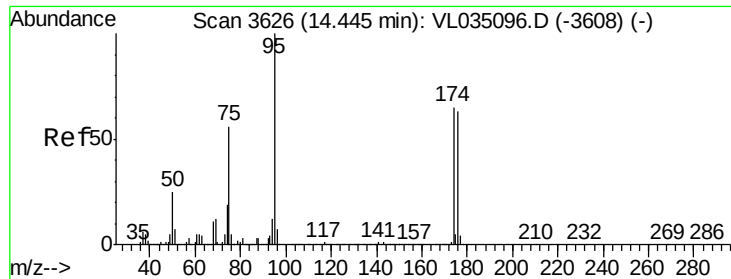
Tot Ion:114 Resp: 3160925
 Ion Ratio Lower Upper
 114 100
 63 27.3 21.9 32.9
 88 19.5 15.6 23.4



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VL035108.D
 Acq: 22 Jun 2020 12:53

Tgt Ion:117 Resp: 3023113
 Ion Ratio Lower Upper
 117 100
 82 70.0 50.4 75.6
 119 33.0 25.4 38.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.089 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035108.D

Acq: 22 Jun 2020 12:53

Instrument :

MSVOA_L

ClientSampleId :

CARBON-01DL

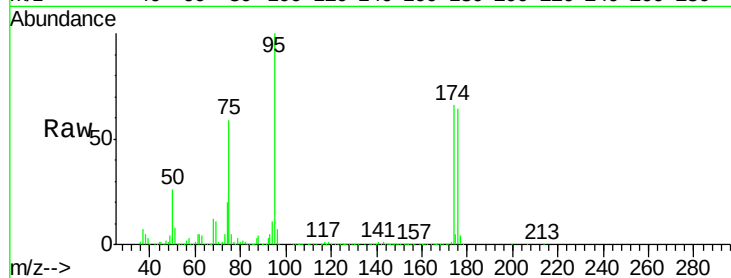
Tot Ion: 95 Resp: 2533761

Ion Ratio Lower Upper

95 100

174 65.4 52.2 78.2

175 4.9 4.0 6.0



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

