

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035162.D
 Acq On : 7 Jul 2020 1:30
 Operator : SY/AP
 Sample : L3190-02 600X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-02

Quant Time: Jul 07 05:06:55 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	894252	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2129034	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2036033	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1701853	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

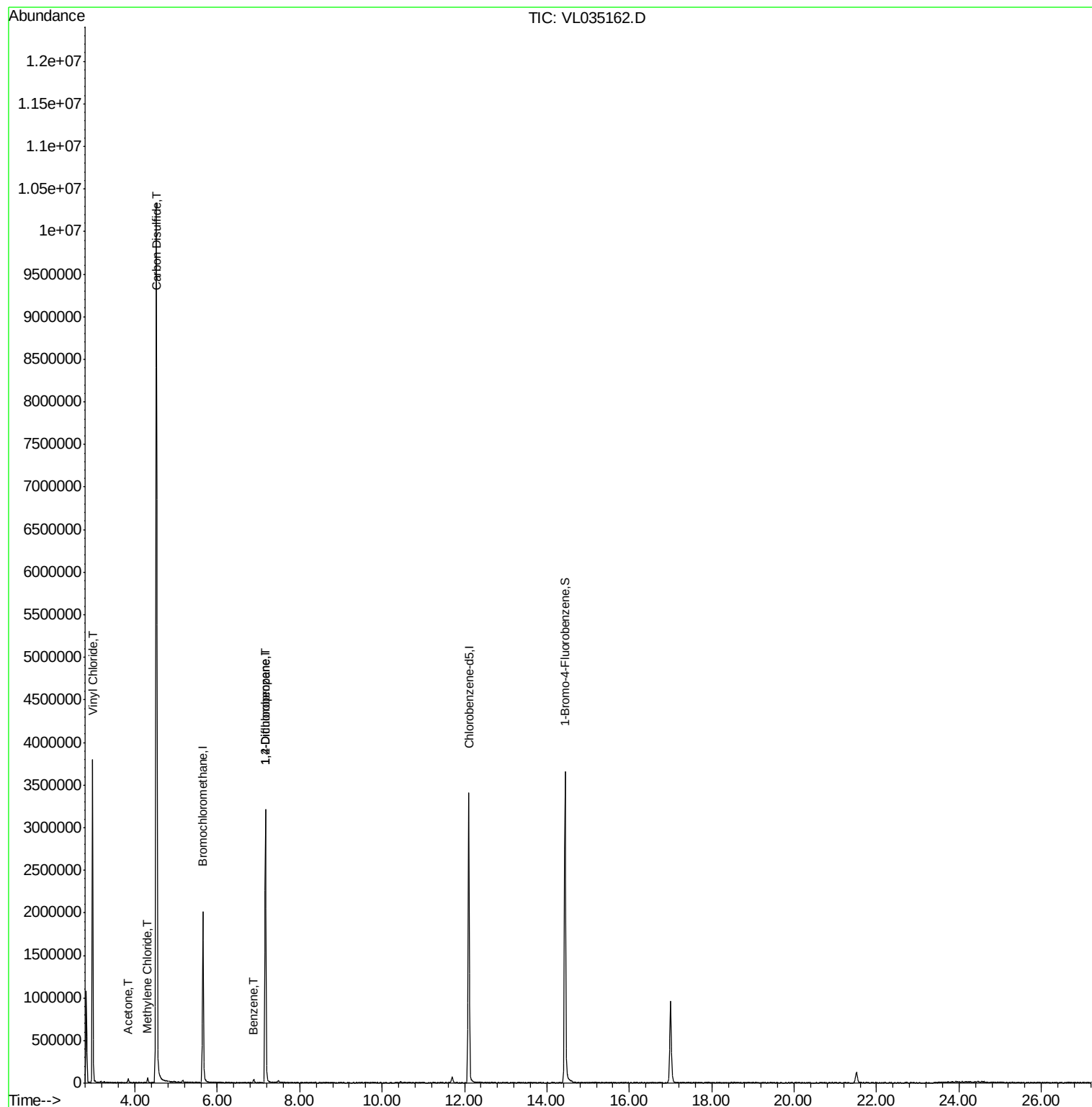
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	2.97	62	262270	4.980	ppbv #	47
15) Acetone	3.83	43	44874	0.415	ppbv #	74
20) Methylene Chloride	4.31	84	16072	0.367	ppbv	89
27) Carbon Disulfide	4.52	76	12210749	134.126	ppbv #	73
36) Benzene	6.89	78	18773	0.114	ppbv #	87
39) 1,2-Dichloropropane	7.17	63	580189	8.998	ppbv #	25

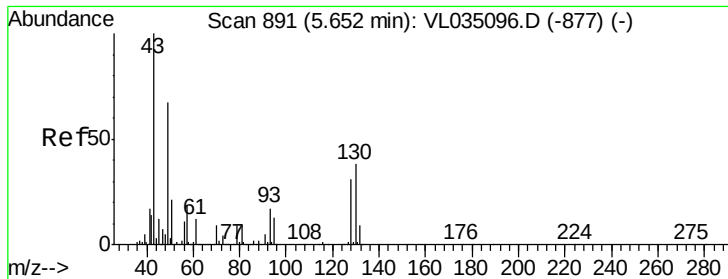
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
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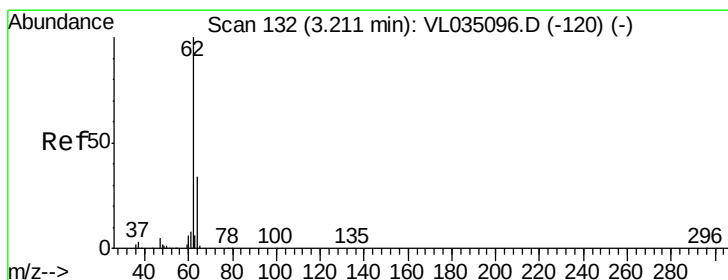
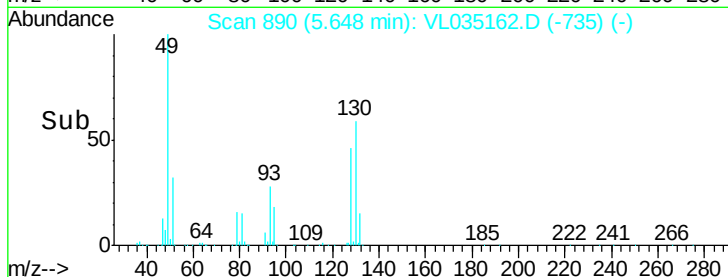
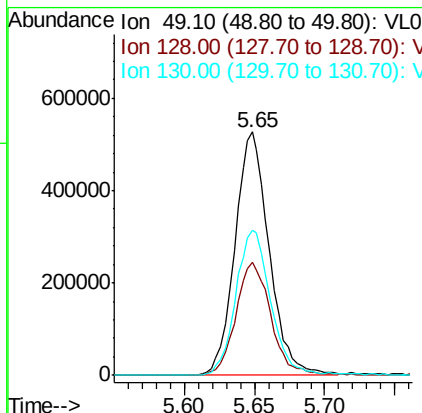
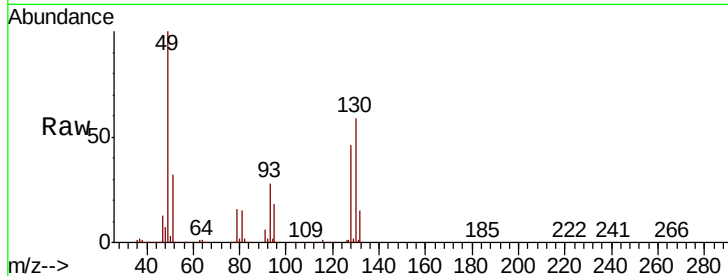




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VL035162.D
 Acq: 7 Jul 2020 1:30

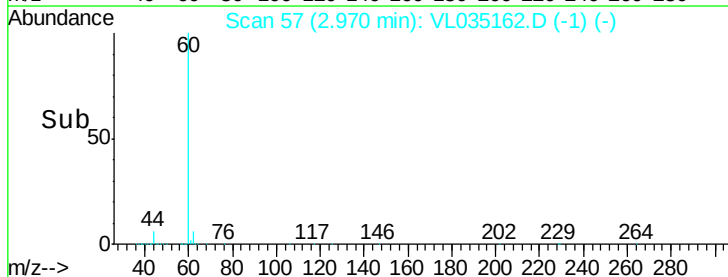
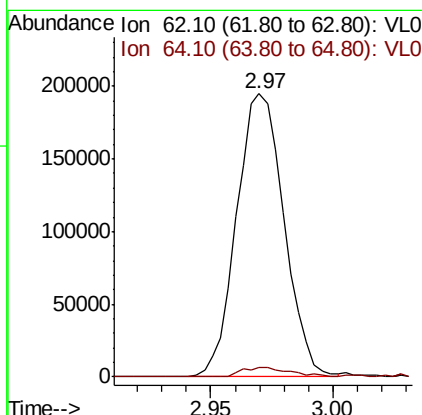
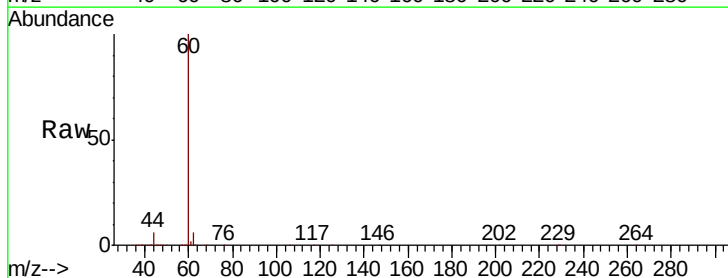
Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-02

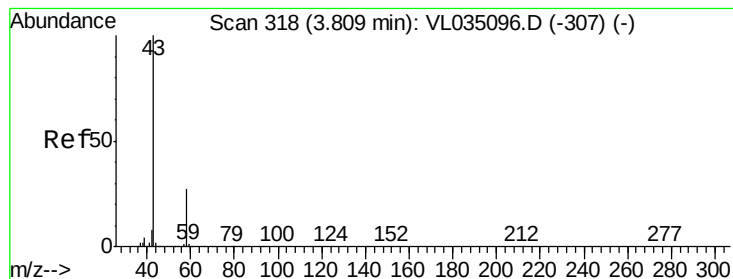
Tot Ion: 49 Resp: 894252
 Ion Ratio Lower Upper
 49 100
 128 47.9 22.9 68.5
 130 61.6 29.0 87.0



#5
 Vinyl Chloride
 Concen: 4.980 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.24 min
 Lab File: VL035162.D
 Acq: 7 Jul 2020 1:30

Tgt Ion: 62 Resp: 262270
 Ion Ratio Lower Upper
 62 100
 64 3.3 27.0 40.4#





#15

Acetone

Concen: 0.415 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.02 min

Lab File: VL035162.D

Acq: 7 Jul 2020 1:30

Instrument :

MSVOA_L

ClientSampleId :

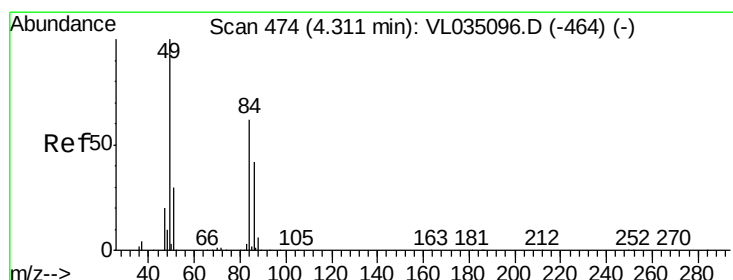
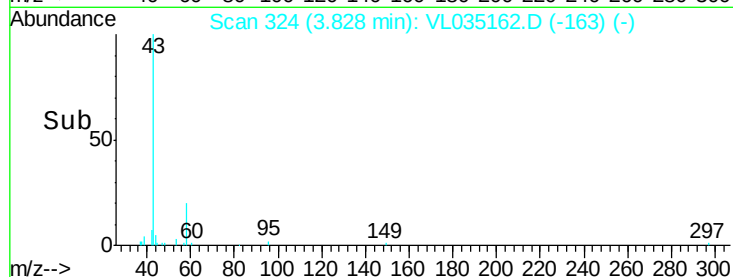
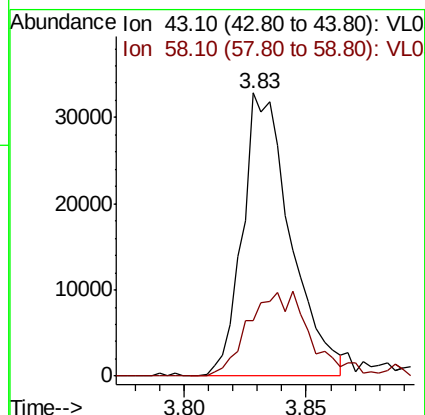
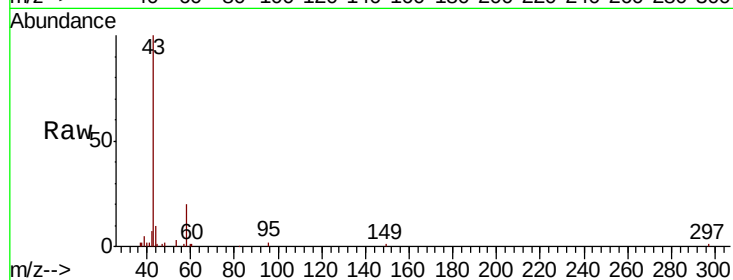
CARBON-02

Tot Ion: 43 Resp: 44874

Ion Ratio Lower Upper

43 100

58 40.5 21.8 32.6#



#20

Methylene Chloride

Concen: 0.367 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.00 min

Lab File: VL035162.D

Acq: 7 Jul 2020 1:30

Tgt Ion: 84 Resp: 16072

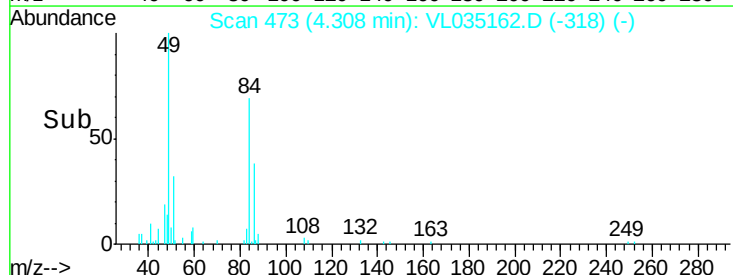
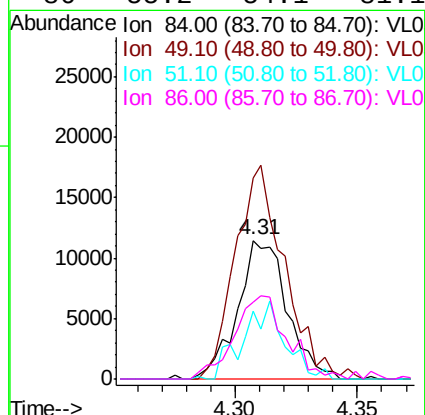
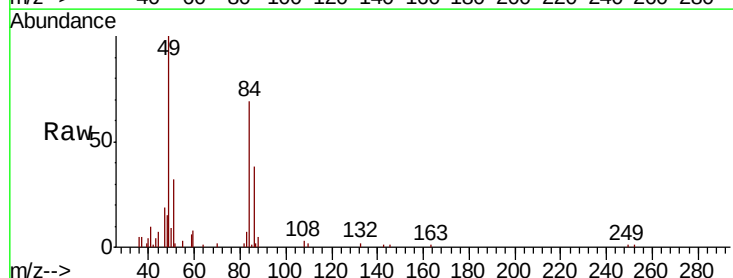
Ion Ratio Lower Upper

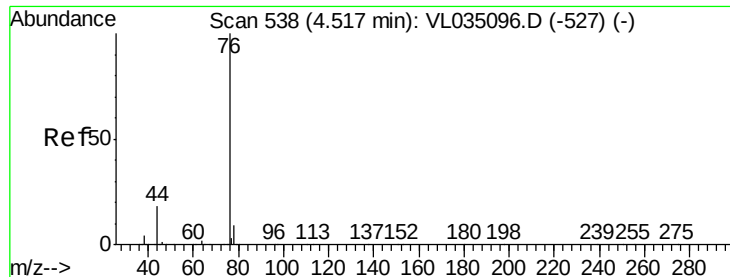
84 100

49 145.6 128.8 193.2

51 49.5 38.7 58.1

86 55.2 54.1 81.1





#27

Carbon Disulfide

Concen: 134.126 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035162.D

Acq: 7 Jul 2020 1:30

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02

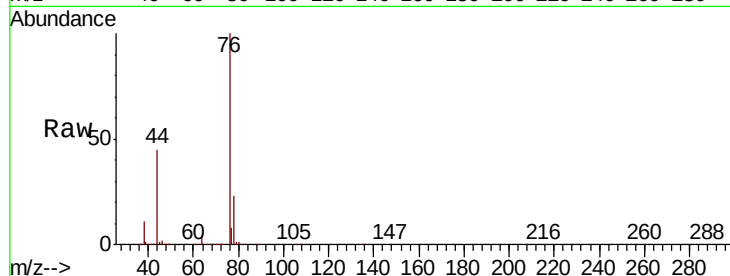
Tot Ion: 76 Resp:12210749

Ion Ratio Lower Upper

76 100

44 33.7 15.8 23.8#

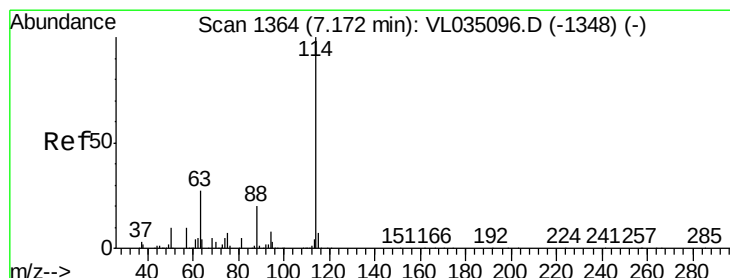
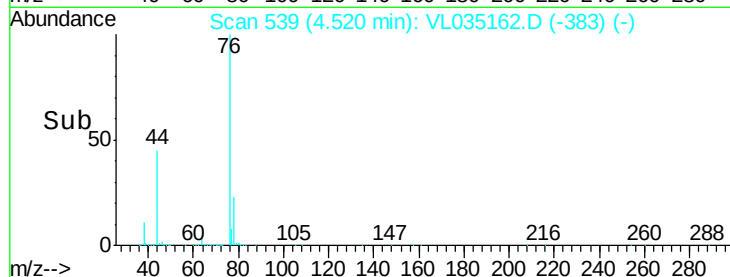
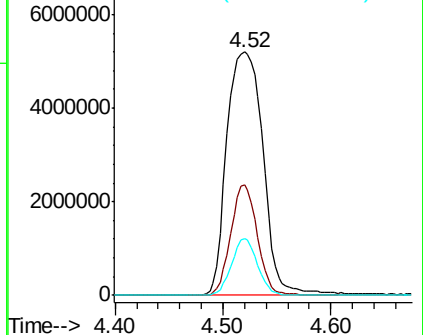
78 16.9 7.6 11.4#



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: 7.17 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VL035162.D

Acq: 7 Jul 2020 1:30

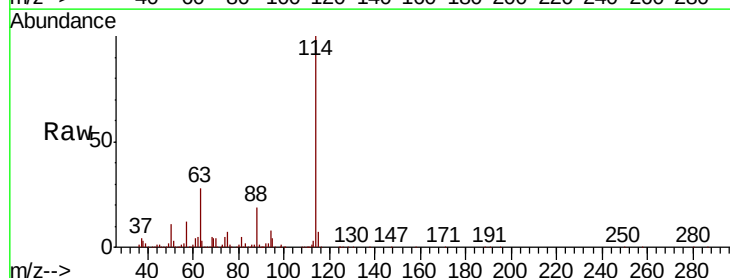
Tgt Ion:114 Resp: 2129034

Ion Ratio Lower Upper

114 100

63 27.4 21.9 32.9

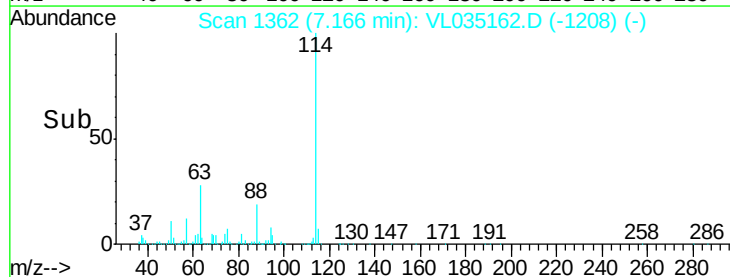
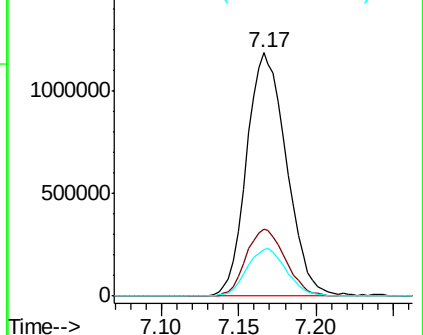
88 19.4 15.6 23.4

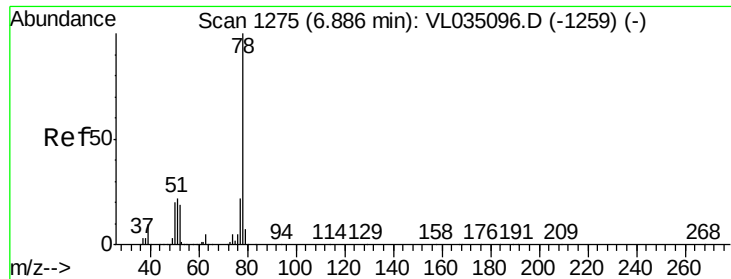


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#36

Benzene

Concen: 0.114 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL035162.D

Acq: 7 Jul 2020 1:30

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02

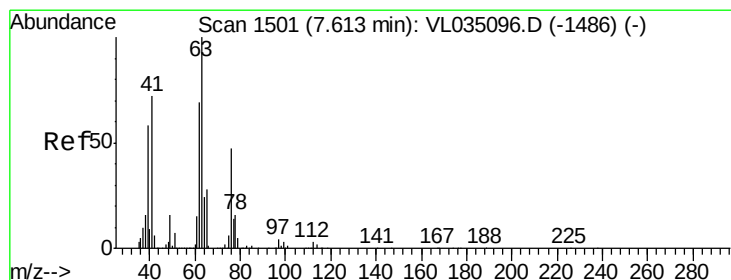
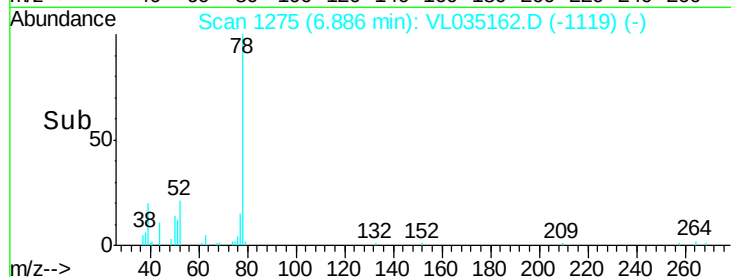
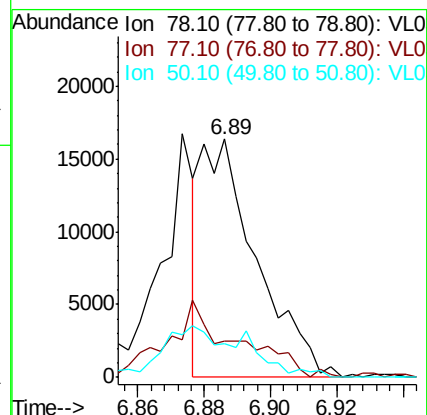
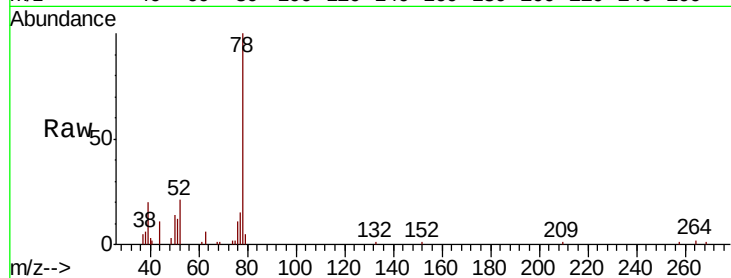
Tot Ion: 78 Resp: 18773

Ion Ratio Lower Upper

78 100

77 15.4 17.8 26.6#

50 14.4 16.2 24.2#



#39

1,2-Dichloropropane

Concen: 8.998 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.45 min

Lab File: VL035162.D

Acq: 7 Jul 2020 1:30

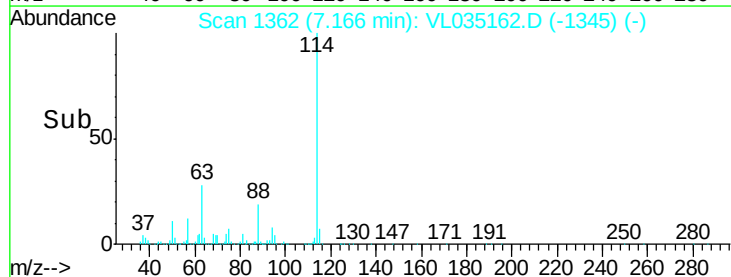
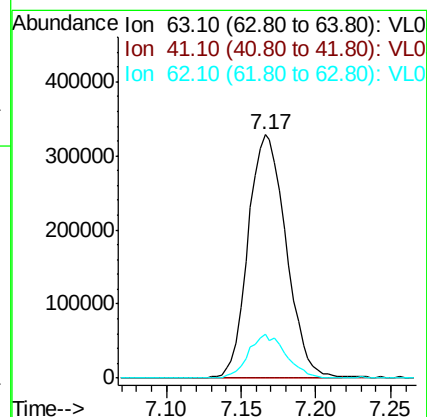
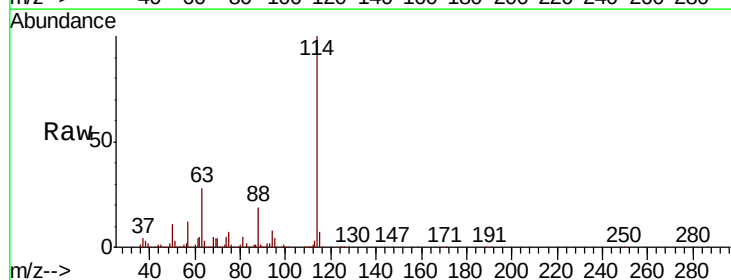
Tgt Ion: 63 Resp: 580189

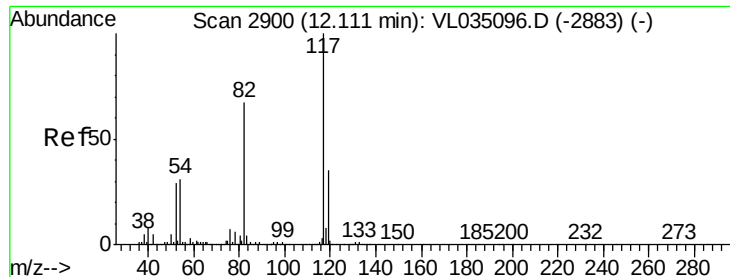
Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

62 17.9 55.4 83.0#

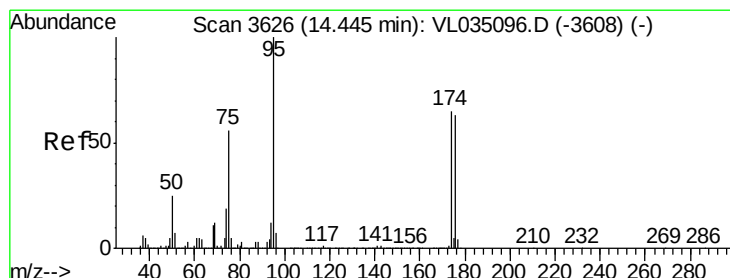
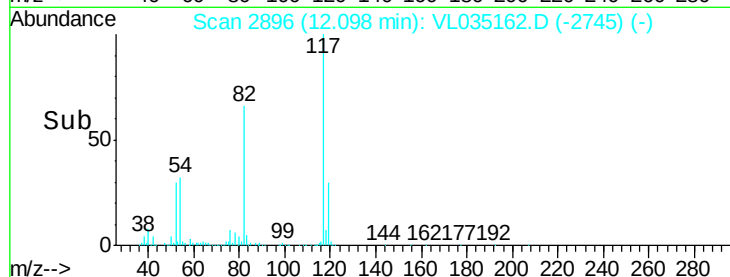
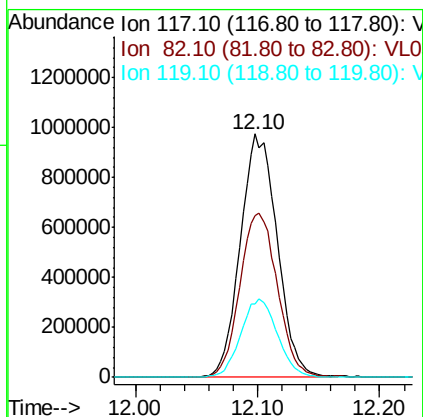
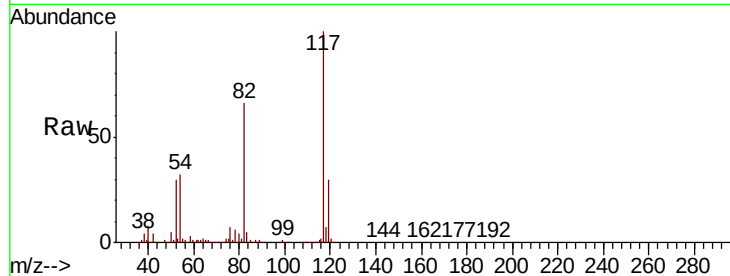




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL035162.D
Acq: 7 Jul 2020 1:30

Instrument :
MSVOA_L
ClientSampleId :
CARBON-02

Tot Ion:117 Resp: 2036033
Ion Ratio Lower Upper
117 100
82 68.9 50.4 75.6
119 32.3 25.4 38.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.062 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL035162.D
Acq: 7 Jul 2020 1:30

Tgt Ion: 95 Resp: 1701853
Ion Ratio Lower Upper
95 100
174 66.1 52.2 78.2
175 4.7 4.0 6.0

