

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035195.D
 Acq On : 16 Jul 2020 15:52
 Operator : SY/AP
 Sample : L3318-02DL 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-03DL

Quant Time: Jul 17 04:08:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1165481	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2756755	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2518221	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2063596	10.09	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

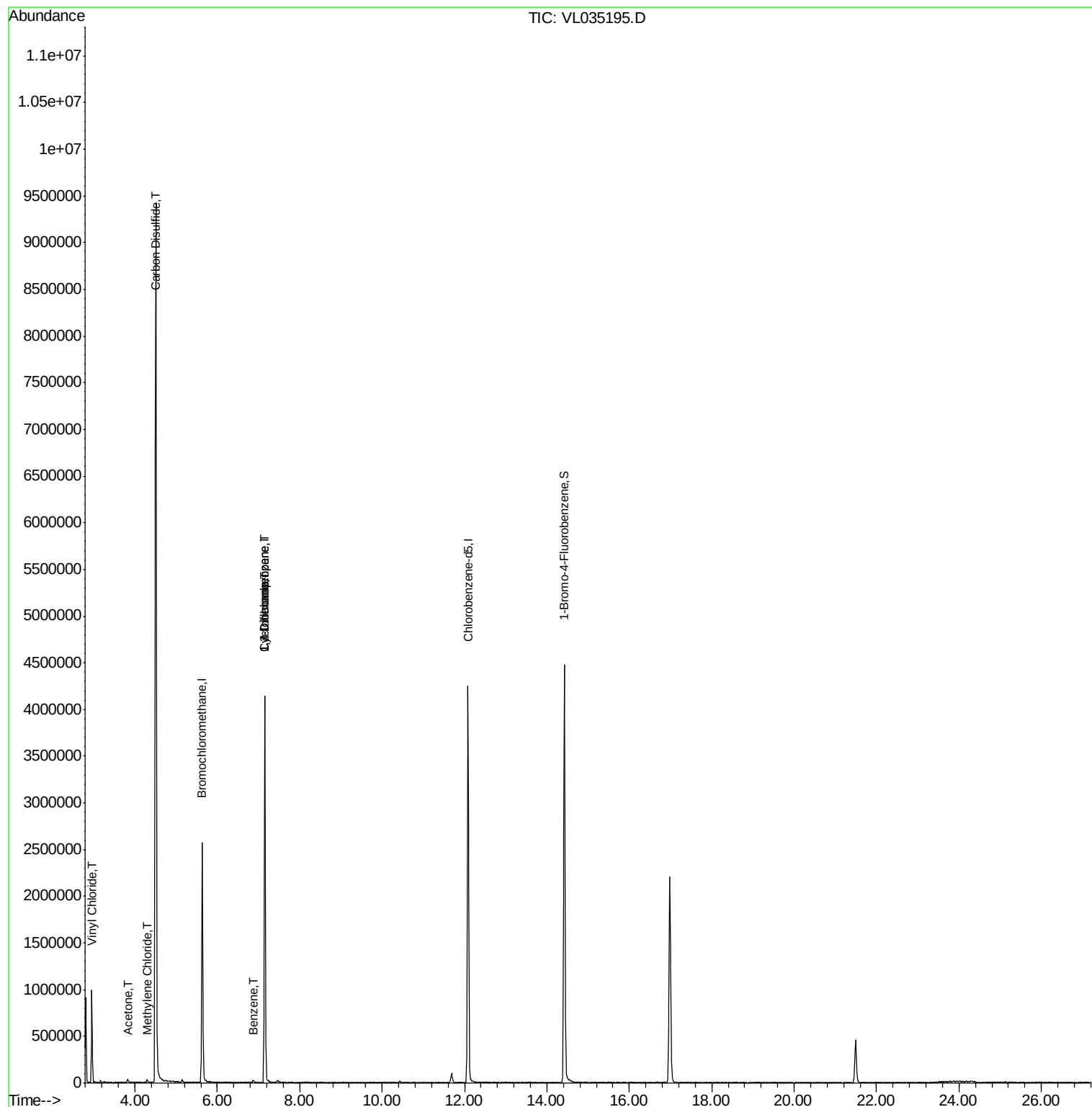
Target Compounds					Ovalue
5) Vinyl Chloride	2.95	62	51456	0.664 ppbv #	47
15) Acetone	3.82	43	32418	0.205 ppbv #	70
20) Methylene Chloride	4.29	84	3345	0.049 ppbv #	71
27) Carbon Disulfide	4.51	76	11089663	73.558 ppbv #	76
30) Cyclohexane	7.14	84	7127	0.089 ppbv #	1
36) Benzene	6.87	78	21620	0.108 ppbv #	80
39) 1,2-Dichloropropane	7.15	63	753218	9.493 ppbv #	22

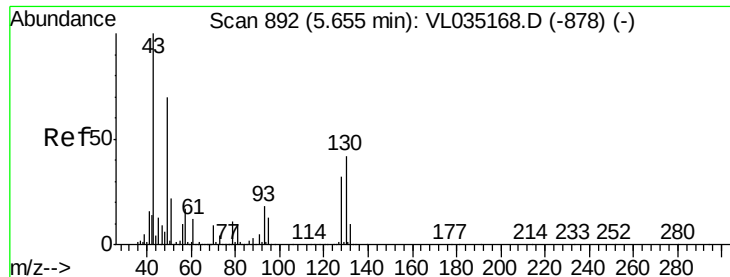
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

CARBON-03DL

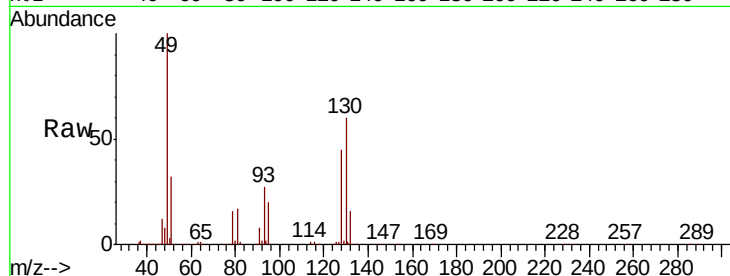
Tot Ion: 49 Resp: 1165481

Ion Ratio Lower Upper

49 100

128 47.5 23.8 71.4

130 61.0 29.9 89.8



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

5.63

800000

600000

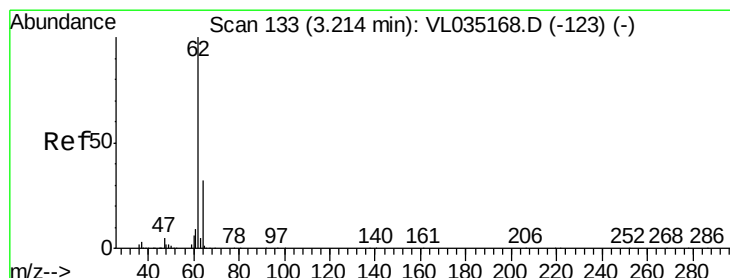
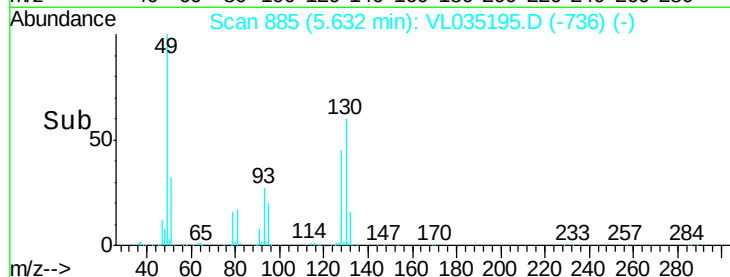
400000

200000

0

5.55 5.60 5.65 5.70

Time-->



#5

Vinyl Chloride

Concen: 0.664 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.26 min

Lab File: VL035195.D

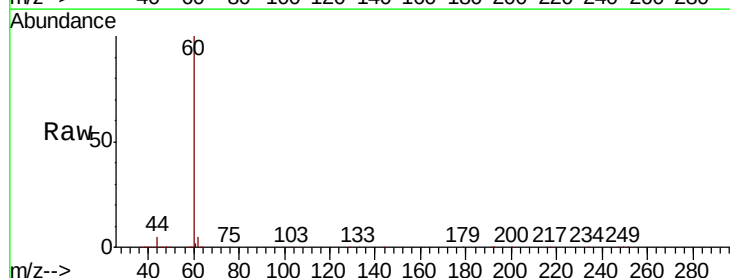
Acq: 16 Jul 2020 15:52

Tgt Ion: 62 Resp: 51456

Ion Ratio Lower Upper

62 100

64 2.9 25.9 38.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

2.95

40000

30000

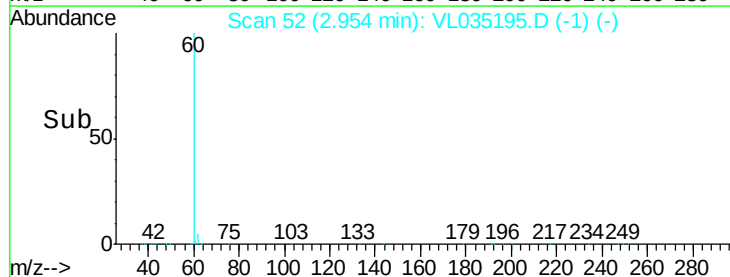
20000

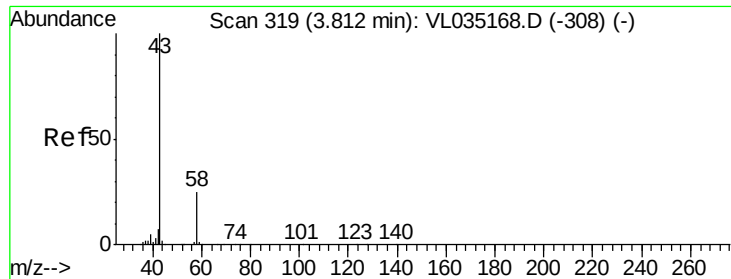
10000

0

2.90 2.95 3.00

Time-->





#15

Acetone

Concen: 0.205 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.01 min

Lab File: VL035195.D

Acq: 16 Jul 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

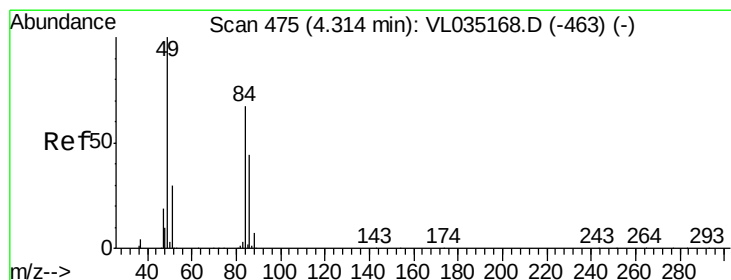
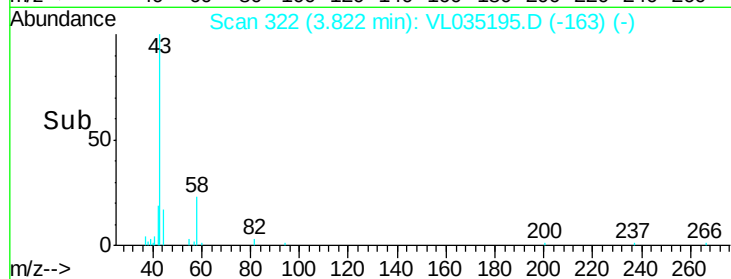
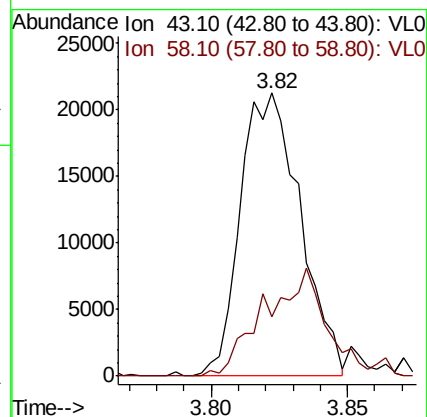
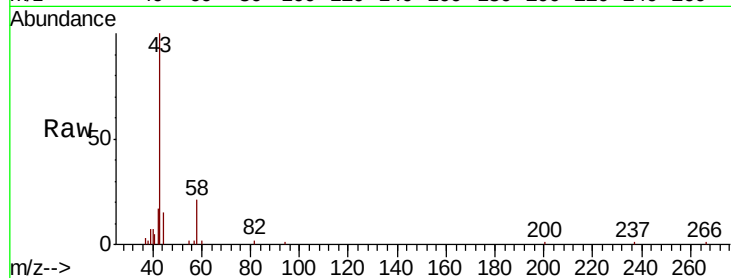
CARBON-03DL

Tot Ion: 43 Resp: 32418

Ion Ratio Lower Upper

43 100

58 41.8 21.3 31.9#



#20

Methylene Chloride

Concen: 0.049 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.02 min

Lab File: VL035195.D

Acq: 16 Jul 2020 15:52

Tgt Ion: 84 Resp: 3345

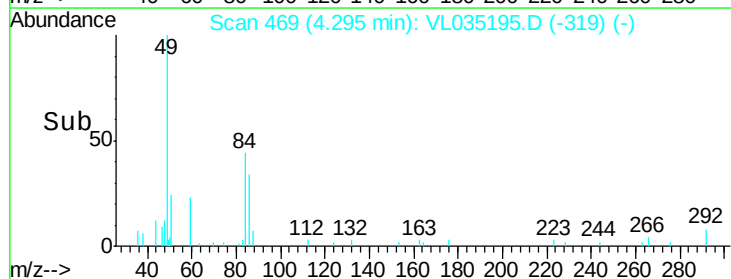
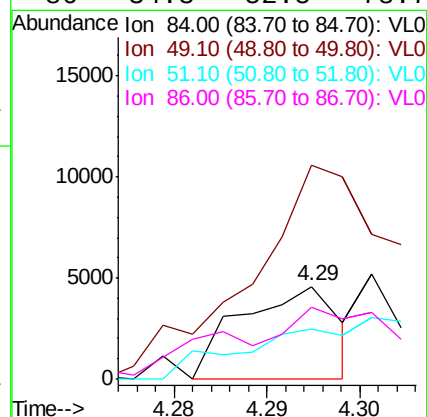
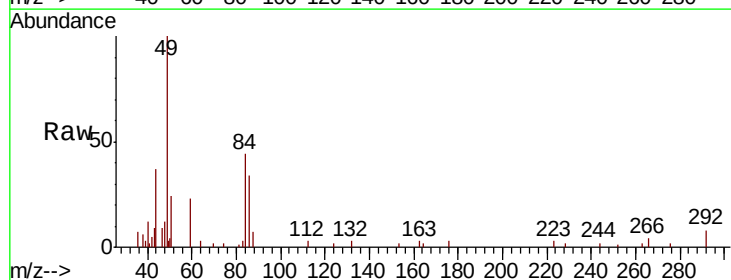
Ion Ratio Lower Upper

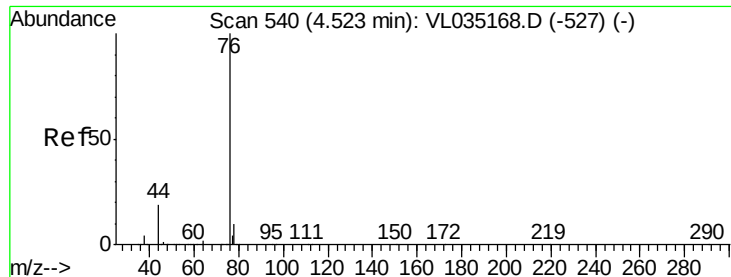
84 100

49 178.6 119.4 179.0

51 24.0 36.6 55.0#

86 34.3 52.5 78.7#





#27

Carbon Disulfide

Concen: 73.558 ppbv

RT: 4.51 min Scan# 535

Delta R.T. -0.02 min

Lab File: VL035195.D

Acq: 16 Jul 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

CARBON-03DL

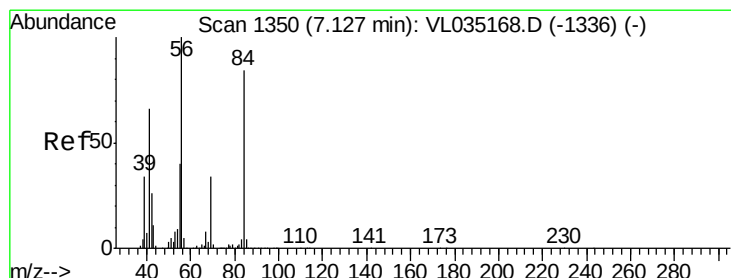
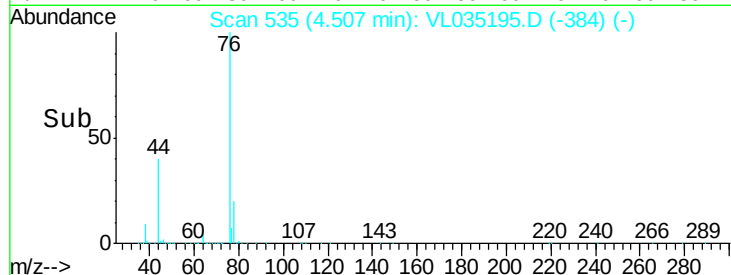
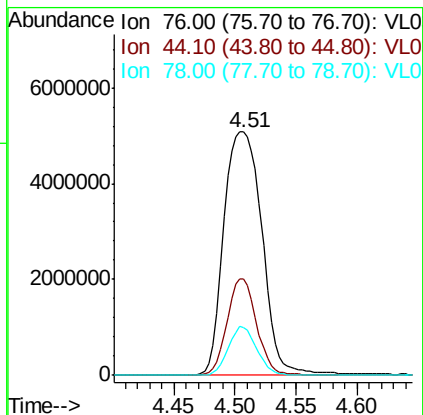
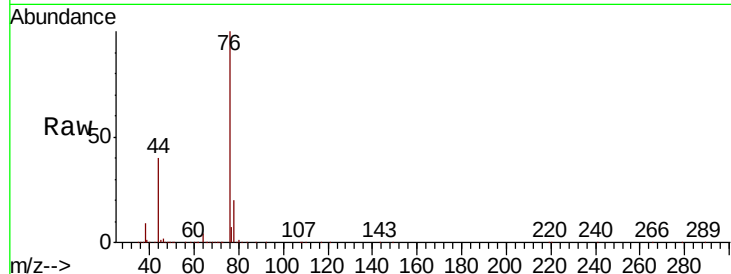
Tot Ion: 76 Resp:11089663

Ion Ratio Lower Upper

76 100

44 31.0 14.9 22.3#

78 15.2 7.5 11.3#



#30

Cyclohexane

Concen: 0.089 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.02 min

Lab File: VL035195.D

Acq: 16 Jul 2020 15:52

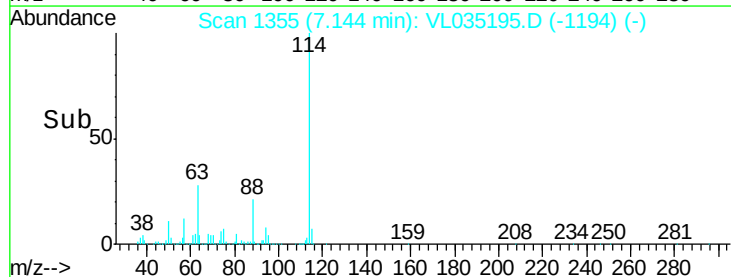
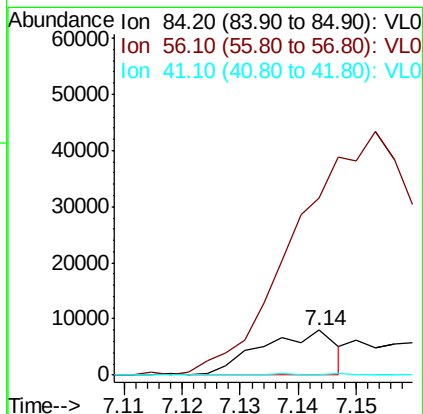
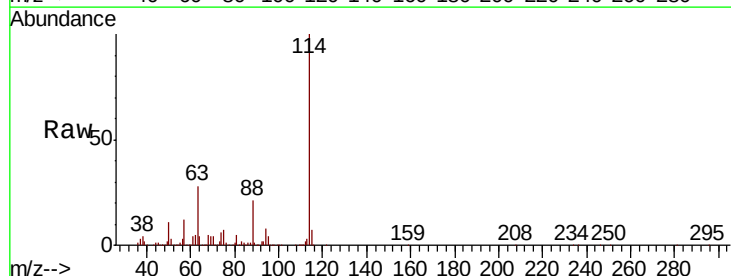
Tgt Ion: 84 Resp: 7127

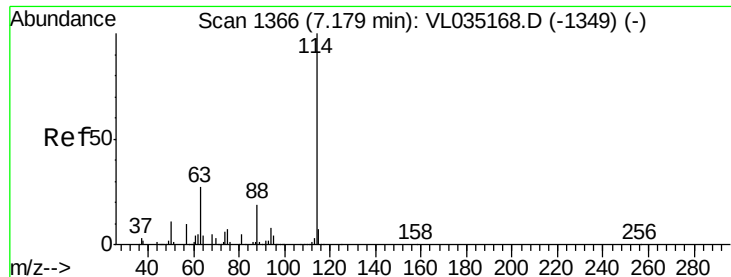
Ion Ratio Lower Upper

84 100

56 0.0 105.6 158.4#

41 0.0 64.9 97.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.03 min

Lab File: VL035195.D

Acq: 16 Jul 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

CARBON-03DL

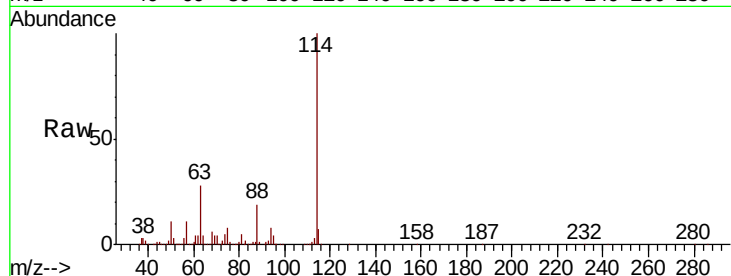
Tot Ion:114 Resp: 2756755

Ion Ratio Lower Upper

114 100

63 27.6 22.0 33.0

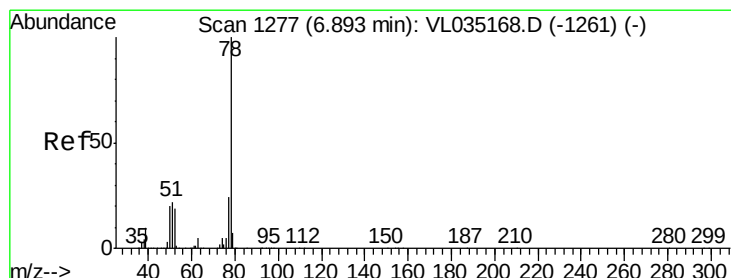
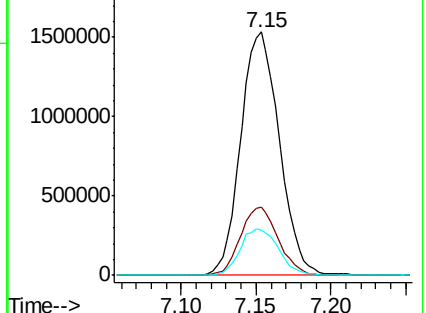
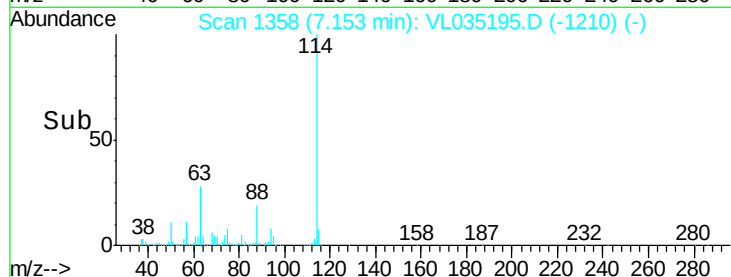
88 19.2 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#36

Benzene

Concen: 0.108 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.03 min

Lab File: VL035195.D

Acq: 16 Jul 2020 15:52

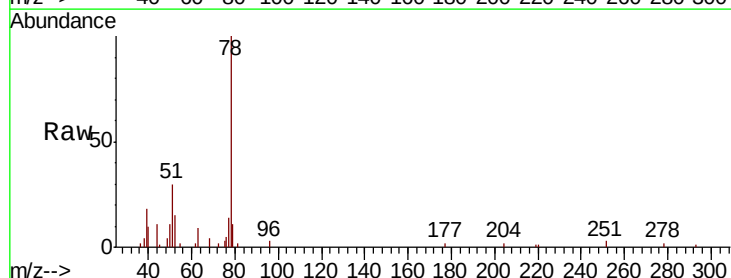
Tgt Ion: 78 Resp: 21620

Ion Ratio Lower Upper

78 100

77 13.9 19.3 28.9#

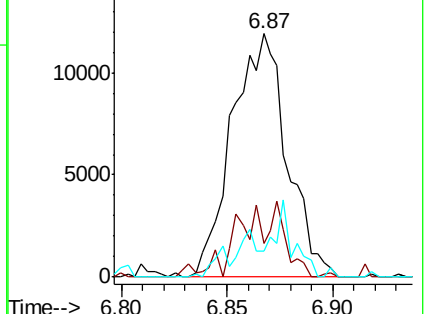
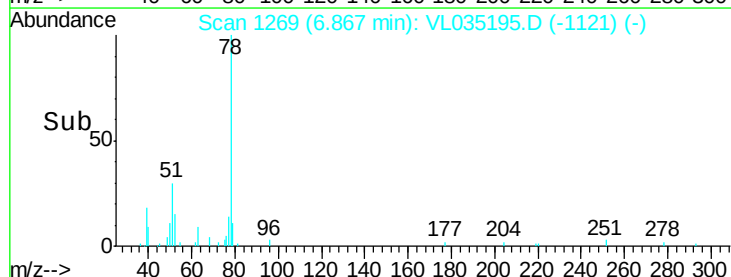
50 10.9 16.0 24.0#

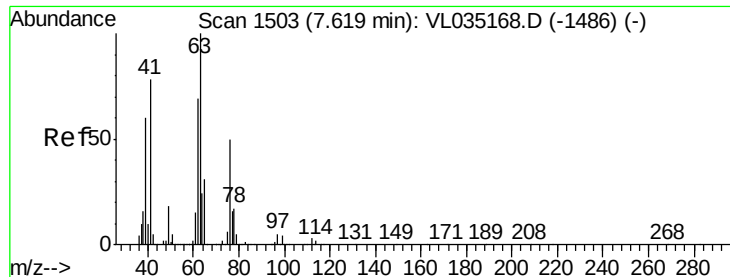


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 9.493 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.47 min

Lab File: VL035195.D

Acq: 16 Jul 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

CARBON-03DL

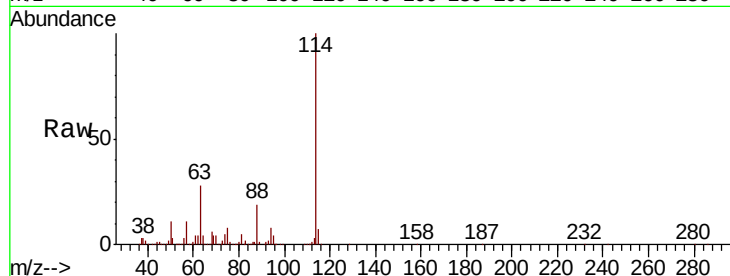
Tot Ion: 63 Resp: 753218

Ion Ratio Lower Upper

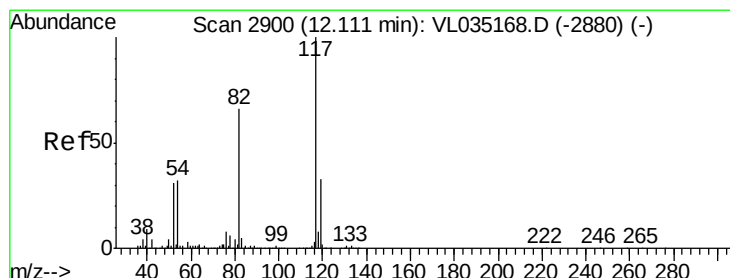
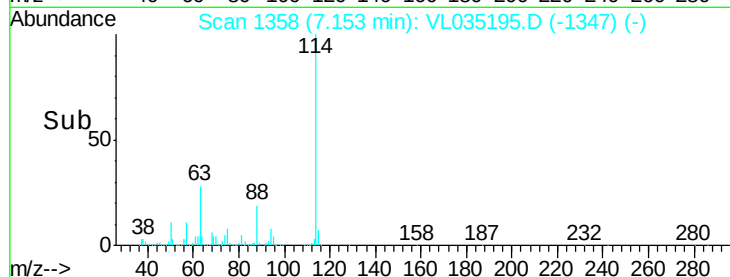
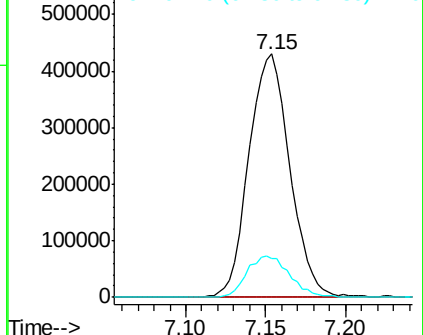
63 100

41 0.0 62.6 94.0#

62 15.9 55.0 82.6#



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: 12.08 min Scan# 2891

Delta R.T. -0.03 min

Lab File: VL035195.D

Acq: 16 Jul 2020 15:52

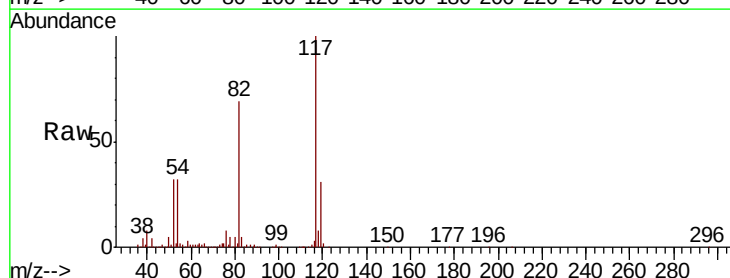
Tgt Ion: 117 Resp: 2518221

Ion Ratio Lower Upper

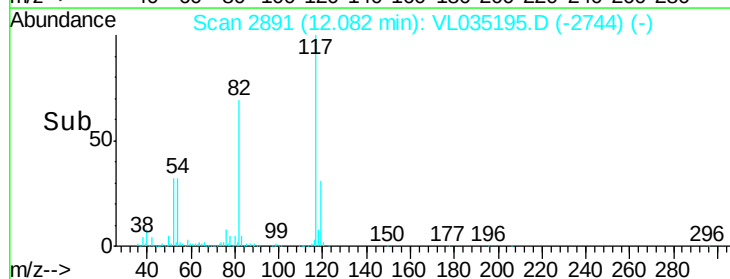
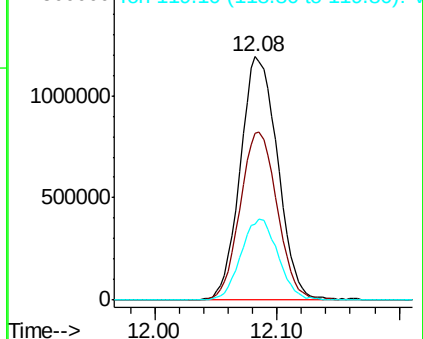
117 100

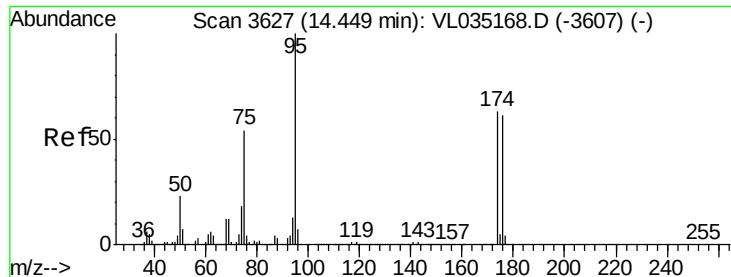
82 69.2 52.3 78.5

119 33.2 24.9 37.3



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: 10.087 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.03 min

Lab File: VL035195.D

Acq: 16 Jul 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

CARBON-03DL

Tot Ion: 95 Resp: 2063596

Ion Ratio Lower Upper

95 100

174 65.9 52.2 78.2

175 4.9 4.0 6.0

