

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
 Data File : VL035184.D
 Acq On : 8 Jul 2020 14:32
 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 08 15:16:28 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	5.65	49	1147451	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2752406	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2548075	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2071203	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

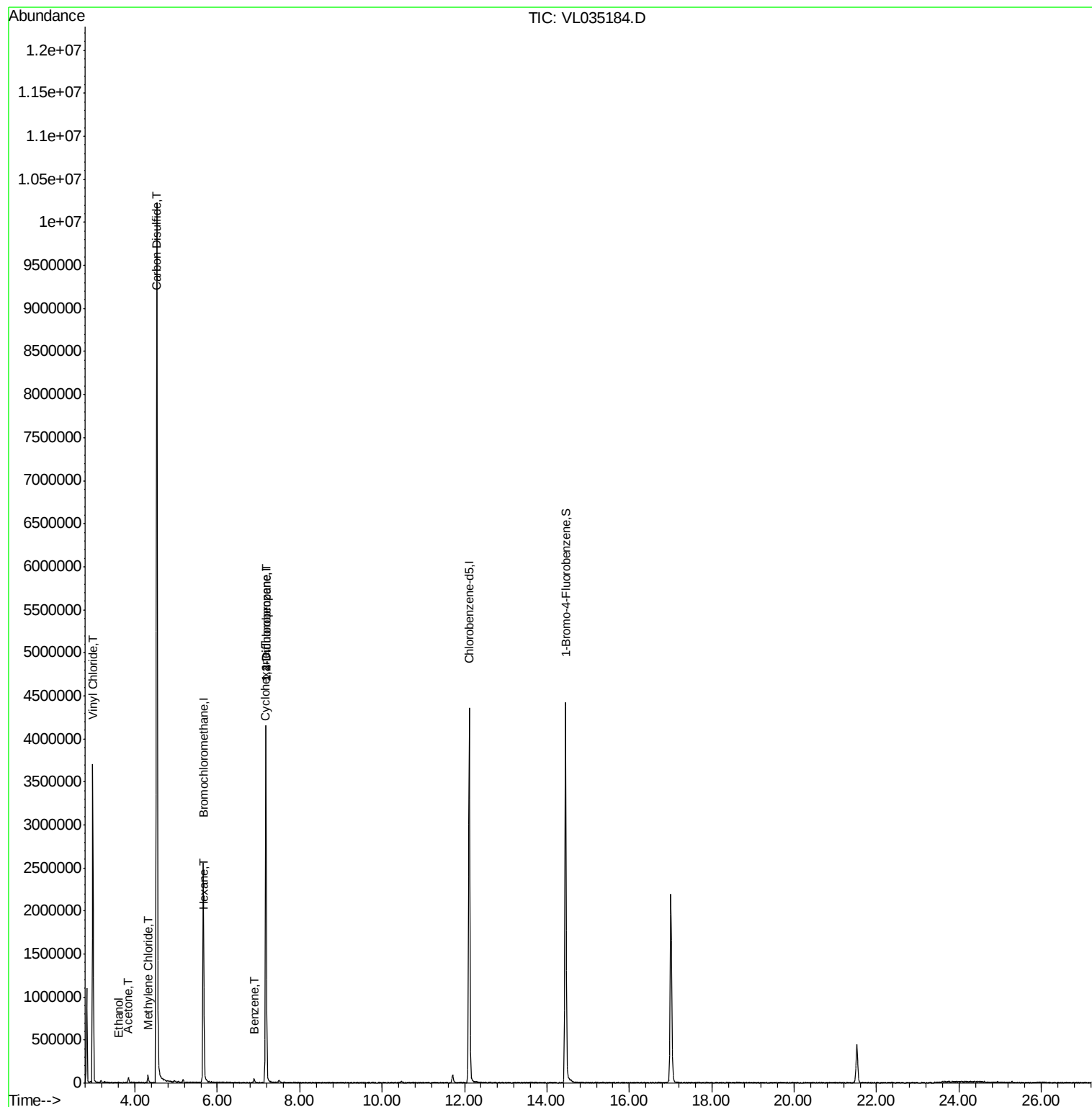
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	2.98	62	246914	3.235	ppbv #	47
13) Ethanol	3.59	45	2369	0.155	ppbv #	35
15) Acetone	3.84	43	54612	0.352	ppbv #	77
20) Methylene Chloride	4.32	84	28982	0.429	ppbv	97
26) Hexane	5.68	57	5529	0.052	ppbv #	45
27) Carbon Disulfide	4.53	76	12266594	82.643	ppbv #	72
30) Cyclohexane	7.16	84	4696	0.060	ppbv #	1
36) Benzene	6.89	78	9509	0.048	ppbv #	70
39) 1,2-Dichloropropane	7.18	63	753369	9.510	ppbv #	23

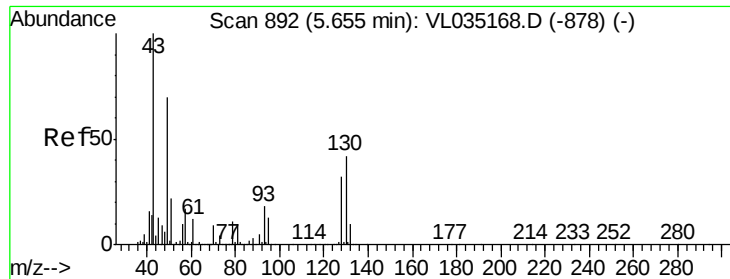
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
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QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035184.D

Acq: 8 Jul 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02

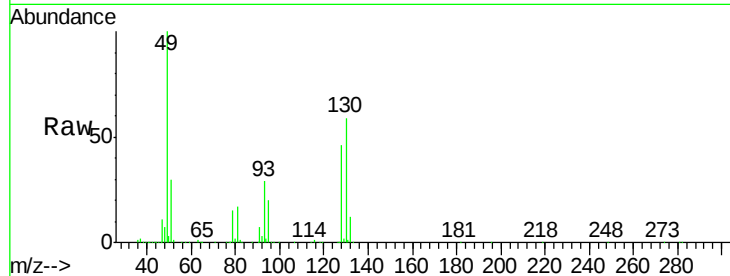
Tgt Ion: 49 Resp: 1147451

Ion Ratio Lower Upper

49 100

128 48.6 23.8 71.4

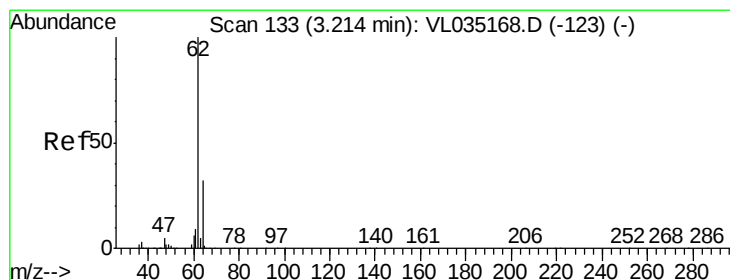
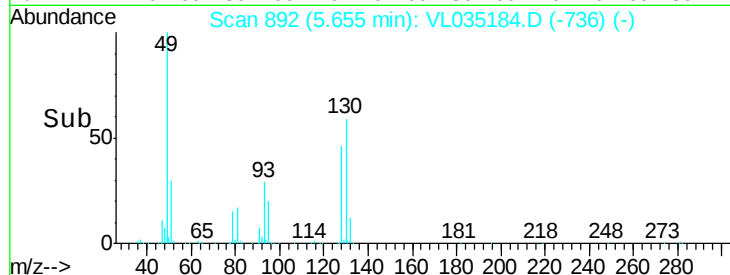
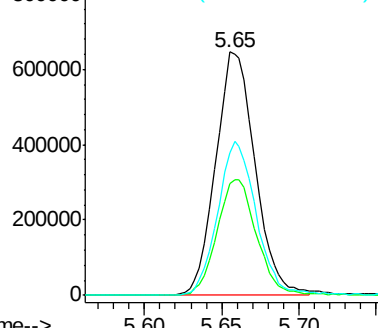
130 62.5 29.9 89.8



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

Vinyl Chloride

Concen: 3.235 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.24 min

Lab File: VL035184.D

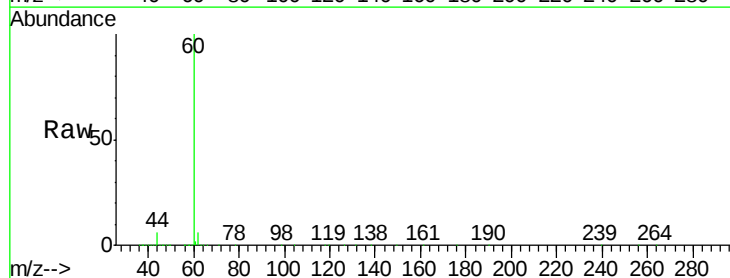
Acq: 8 Jul 2020 14:32

Tgt Ion: 62 Resp: 246914

Ion Ratio Lower Upper

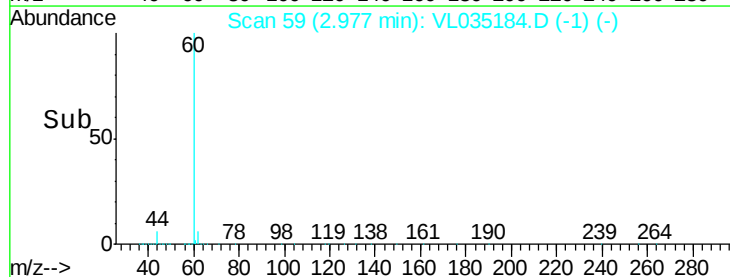
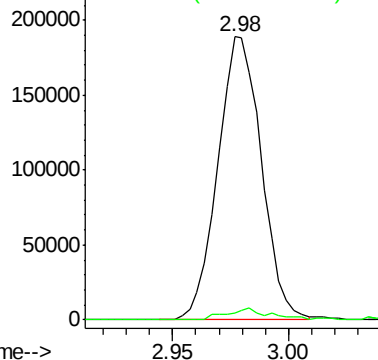
62 100

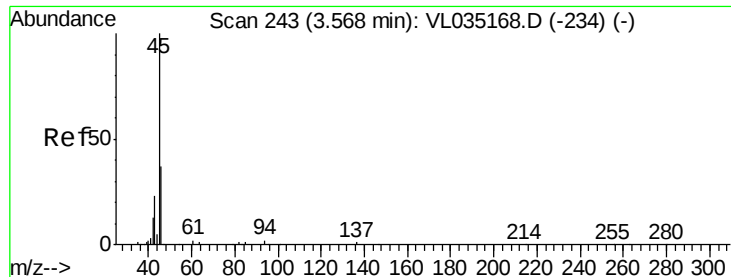
64 2.7 25.9 38.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#13

Ethanol

Concen: 0.155 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.02 min

Lab File: VL035184.D

Acq: 8 Jul 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

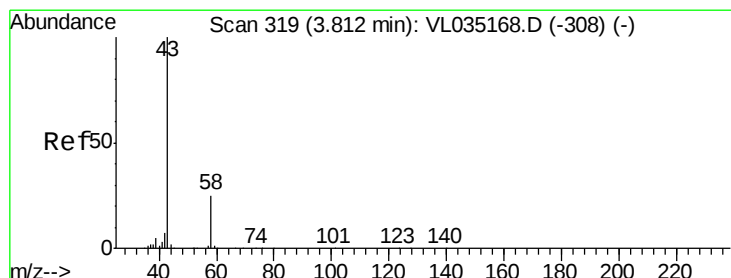
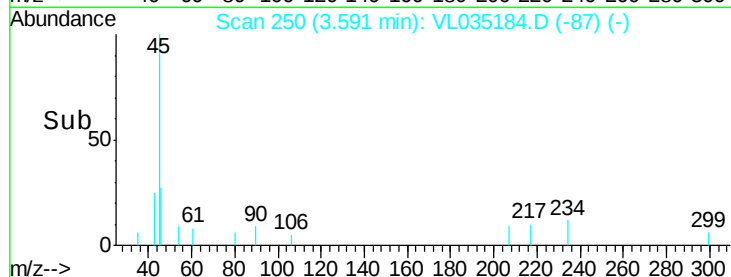
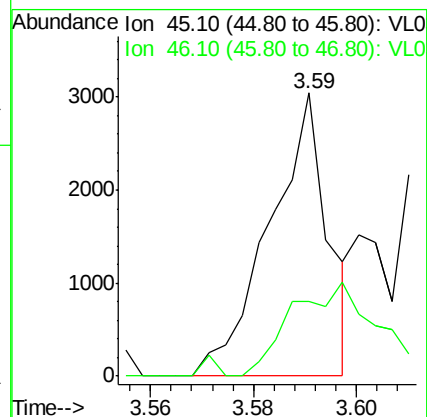
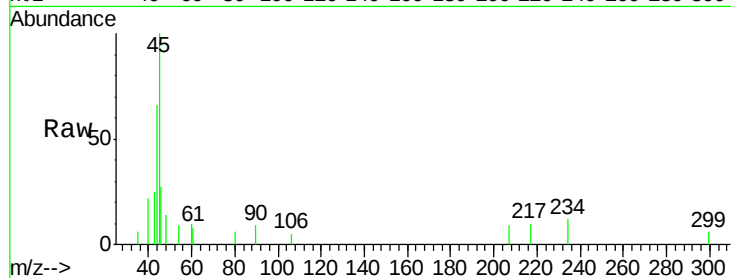
CARBON-02

Tgt Ion: 45 Resp: 2369

Ion Ratio Lower Upper

45 100

46 0.0 16.2 65.0#



#15

Acetone

Concen: 0.352 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.03 min

Lab File: VL035184.D

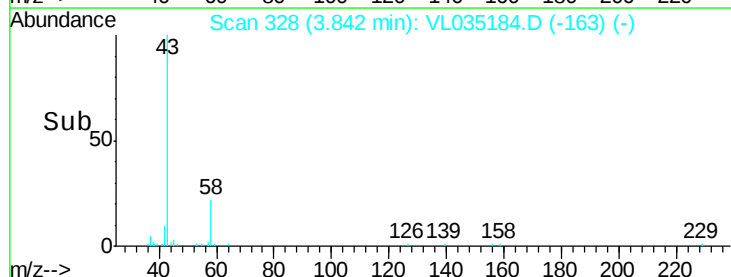
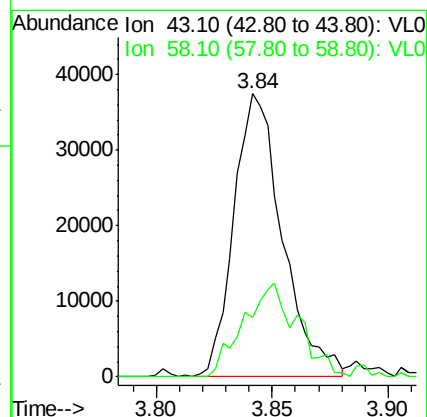
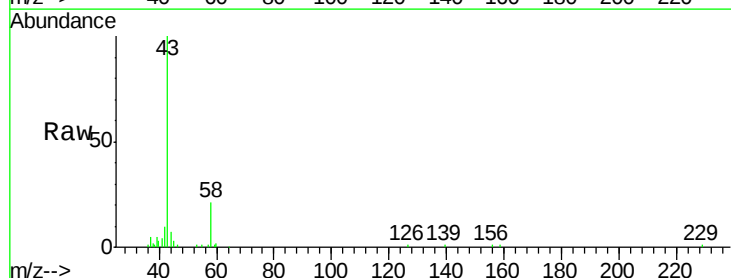
Acq: 8 Jul 2020 14:32

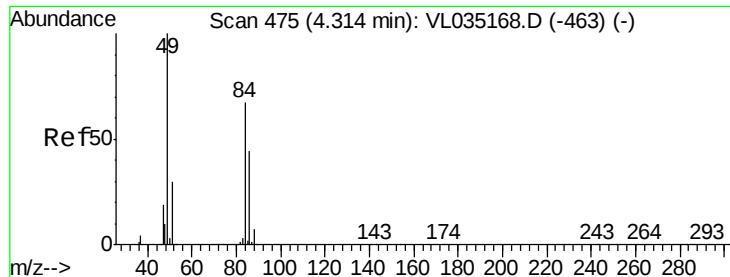
Tgt Ion: 43 Resp: 54612

Ion Ratio Lower Upper

43 100

58 38.6 21.3 31.9#

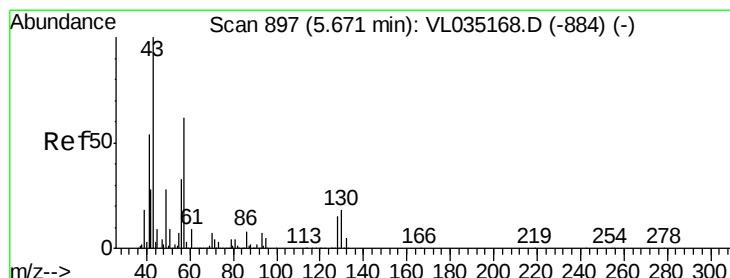
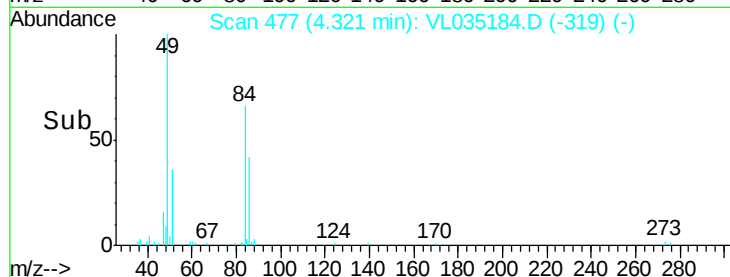
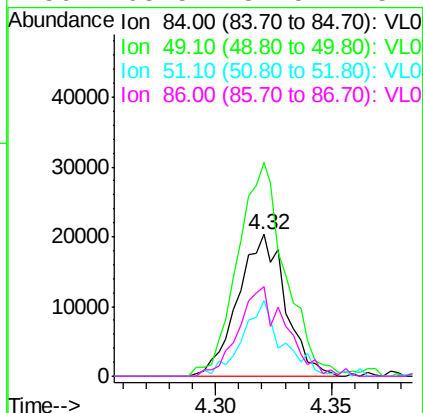
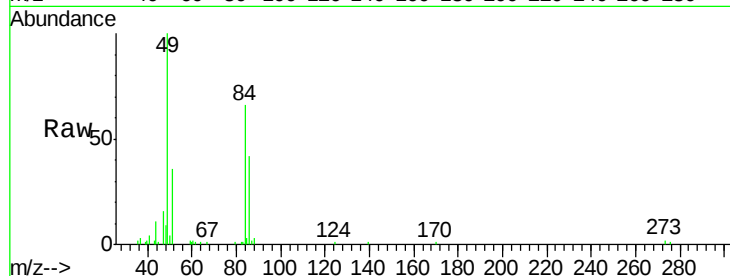




#20
Methylene Chloride
Concen: 0.429 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL035184.D
Acq: 8 Jul 2020 14:32

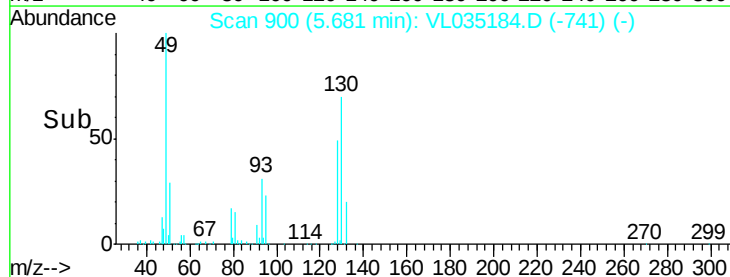
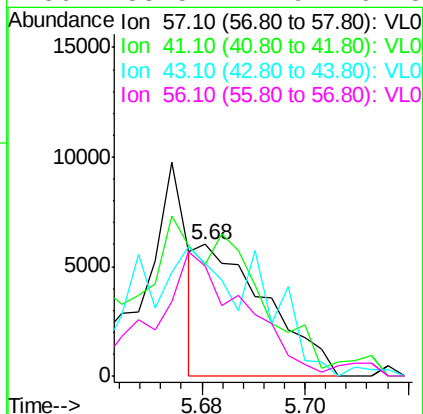
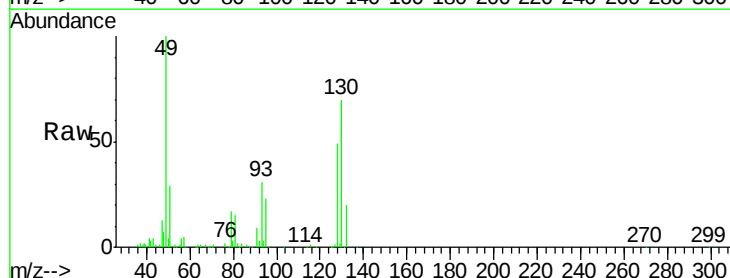
Instrument :
MSVOA_L
ClientSampleId :
CARBON-02

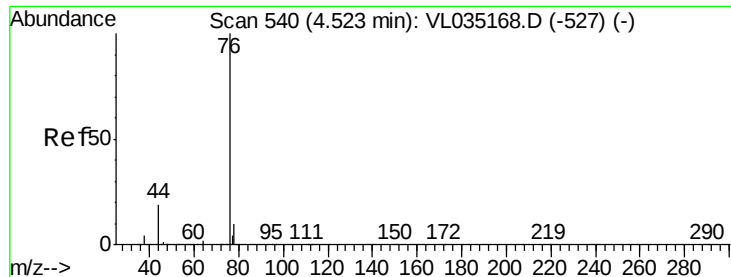
Tgt Ion:	84	Resp:	28982
Ion	Ratio	Lower	Upper
84	100		
49	150.6	119.4	179.0
51	53.5	36.6	55.0
86	63.5	52.5	78.7



#26
Hexane
Concen: 0.052 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035184.D
Acq: 8 Jul 2020 14:32

Tgt Ion:	57	Resp:	5529
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.9	109.3#
43	183.3	179.5	269.3
56	133.5	42.9	64.3#





#27

Carbon Disulfide

Concen: 82.643 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.01 min

Lab File: VL035184.D

Acq: 8 Jul 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02

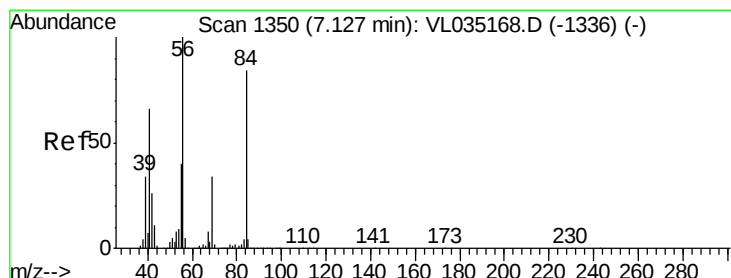
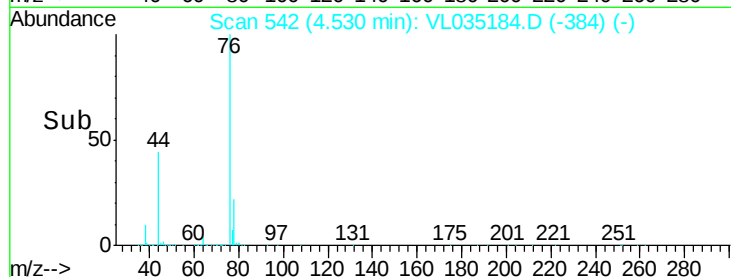
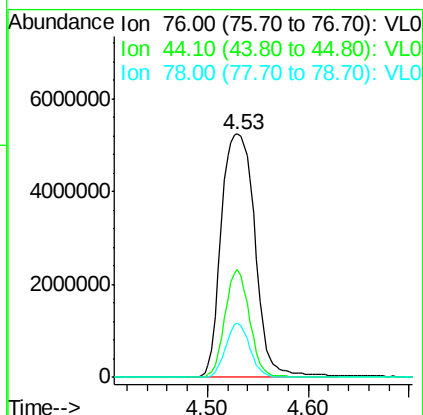
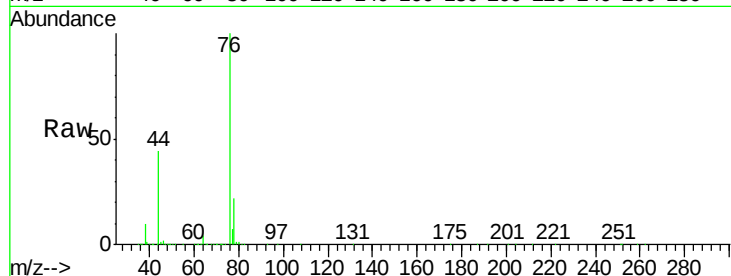
Tgt Ion: 76 Resp:12266594

Ion Ratio Lower Upper

76 100

44 32.9 14.9 22.3#

78 16.3 7.5 11.3#



#30

Cyclohexane

Concen: 0.060 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. 0.04 min

Lab File: VL035184.D

Acq: 8 Jul 2020 14:32

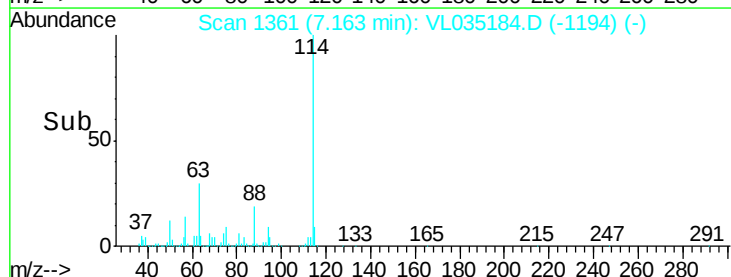
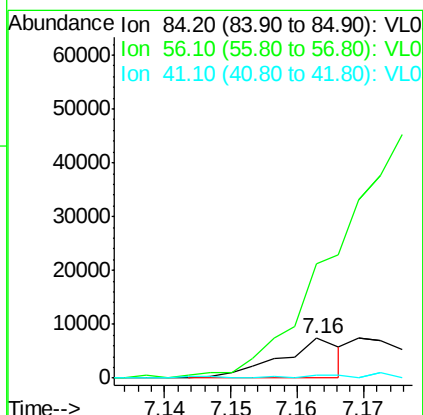
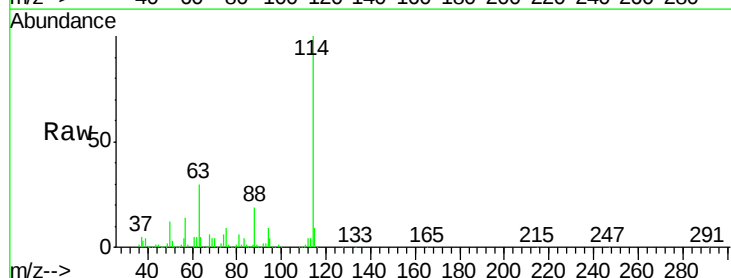
Tgt Ion: 84 Resp: 4696

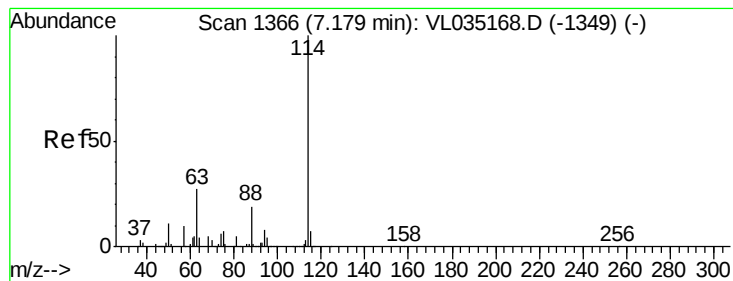
Ion Ratio Lower Upper

84 100

56 0.0 105.6 158.4#

41 8.3 64.9 97.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VL035184.D

Acq: 8 Jul 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02

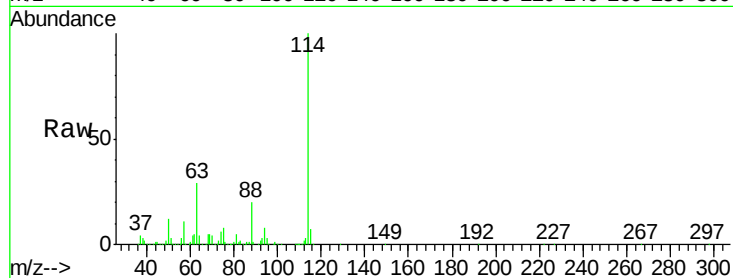
Tgt Ion:114 Resp: 2752406

Ion Ratio Lower Upper

114 100

63 27.4 22.0 33.0

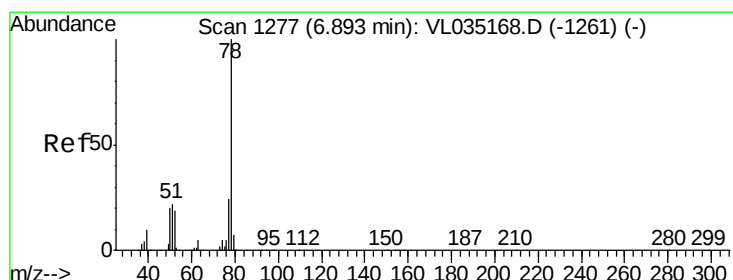
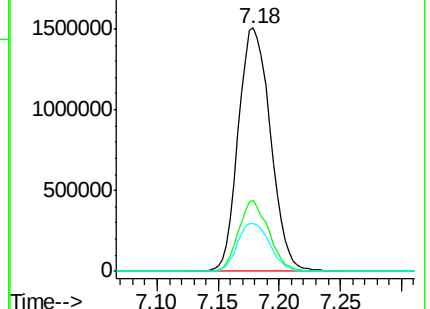
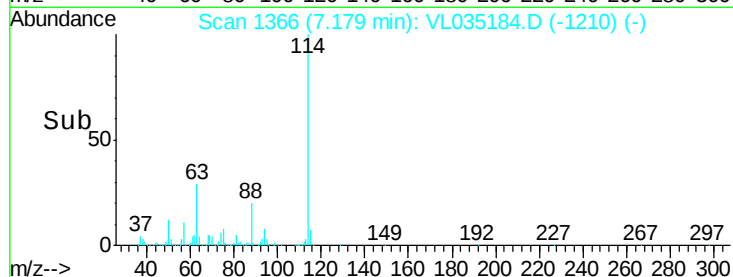
88 19.8 15.4 23.0



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: 0.048 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035184.D

Acq: 8 Jul 2020 14:32

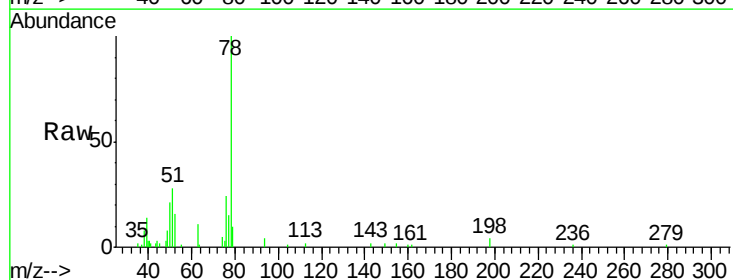
Tgt Ion: 78 Resp: 9509

Ion Ratio Lower Upper

78 100

77 0.0 19.3 28.9#

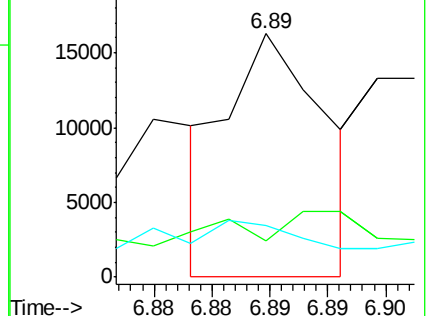
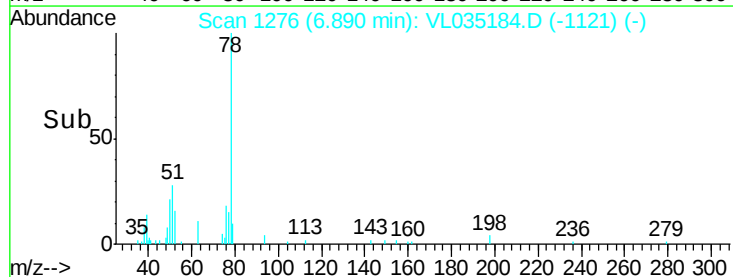
50 23.0 16.0 24.0

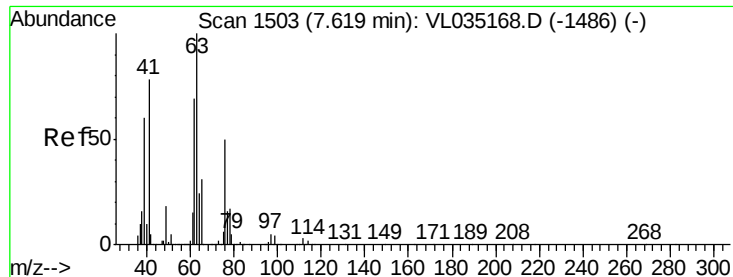


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

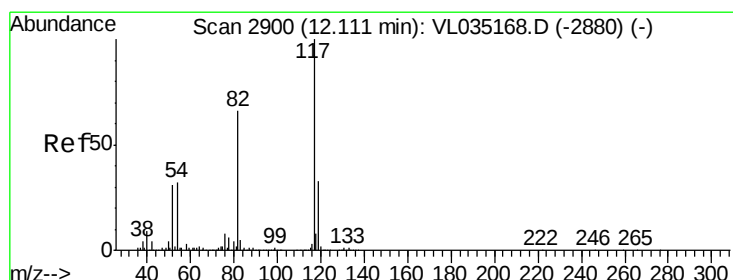
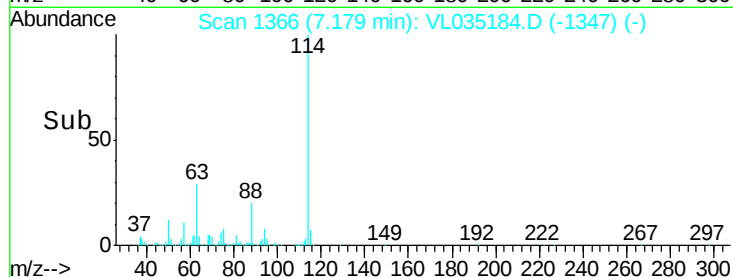
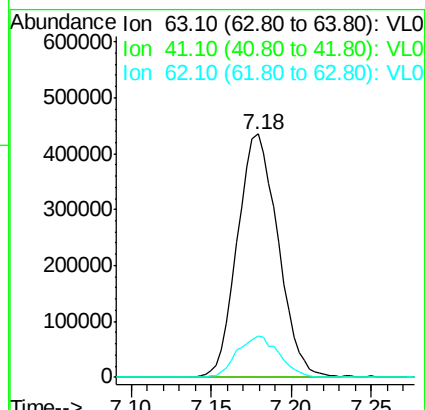
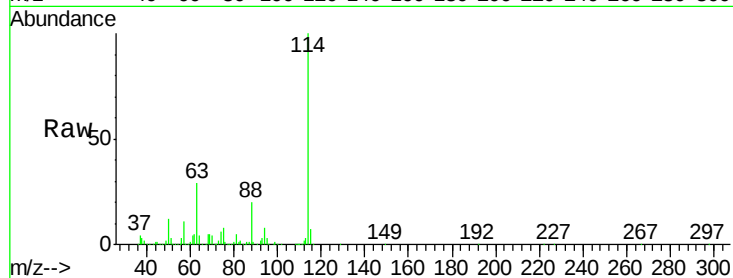




#39
 1,2-Dichloropropane
 Concen: 9.510 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL035184.D
 Acq: 8 Jul 2020 14:32

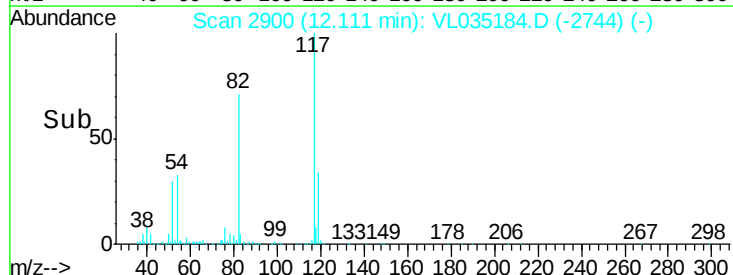
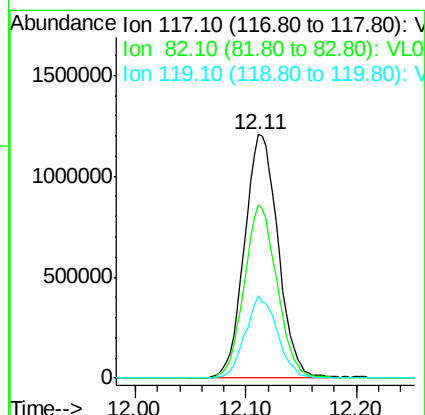
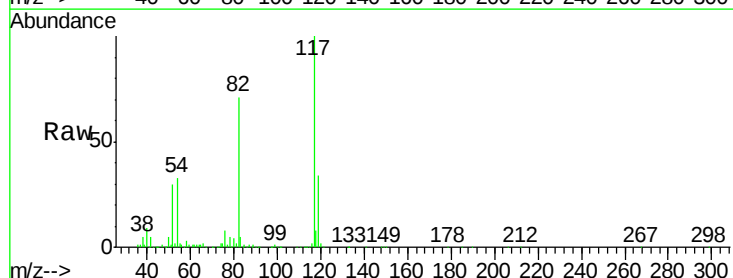
Instrument :
 MSVOA_L
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 CARBON-02

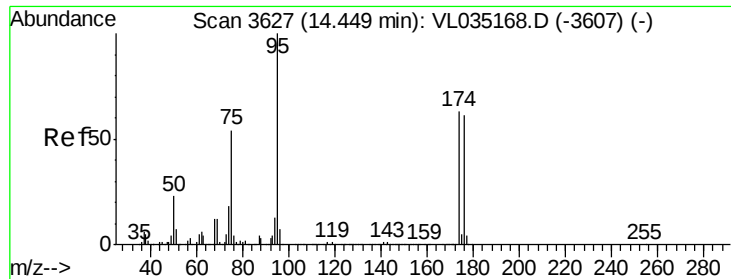
Tgt Ion: 63 Resp: 753369
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.6 94.0#
 62 17.2 55.0 82.6#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VL035184.D
 Acq: 8 Jul 2020 14:32

Tgt Ion: 117 Resp: 2548075
 Ion Ratio Lower Upper
 117 100
 82 69.7 52.3 78.5
 119 32.2 24.9 37.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.006 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.00 min

Lab File: VL035184.D

Acq: 8 Jul 2020 14:32

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02

Tgt Ion: 95 Resp: 2071203

Ion Ratio Lower Upper

95 100

174 65.3 52.2 78.2

175 4.9 4.0 6.0

