

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
 Data File : VL035185.D
 Acq On : 8 Jul 2020 15:10
 Operator : SY/AP
 Sample : L3190-02 1200X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-02DL

Quant Time: Jul 08 16:10:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	5.66	49	1121257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2685326	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2485218	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2065169	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

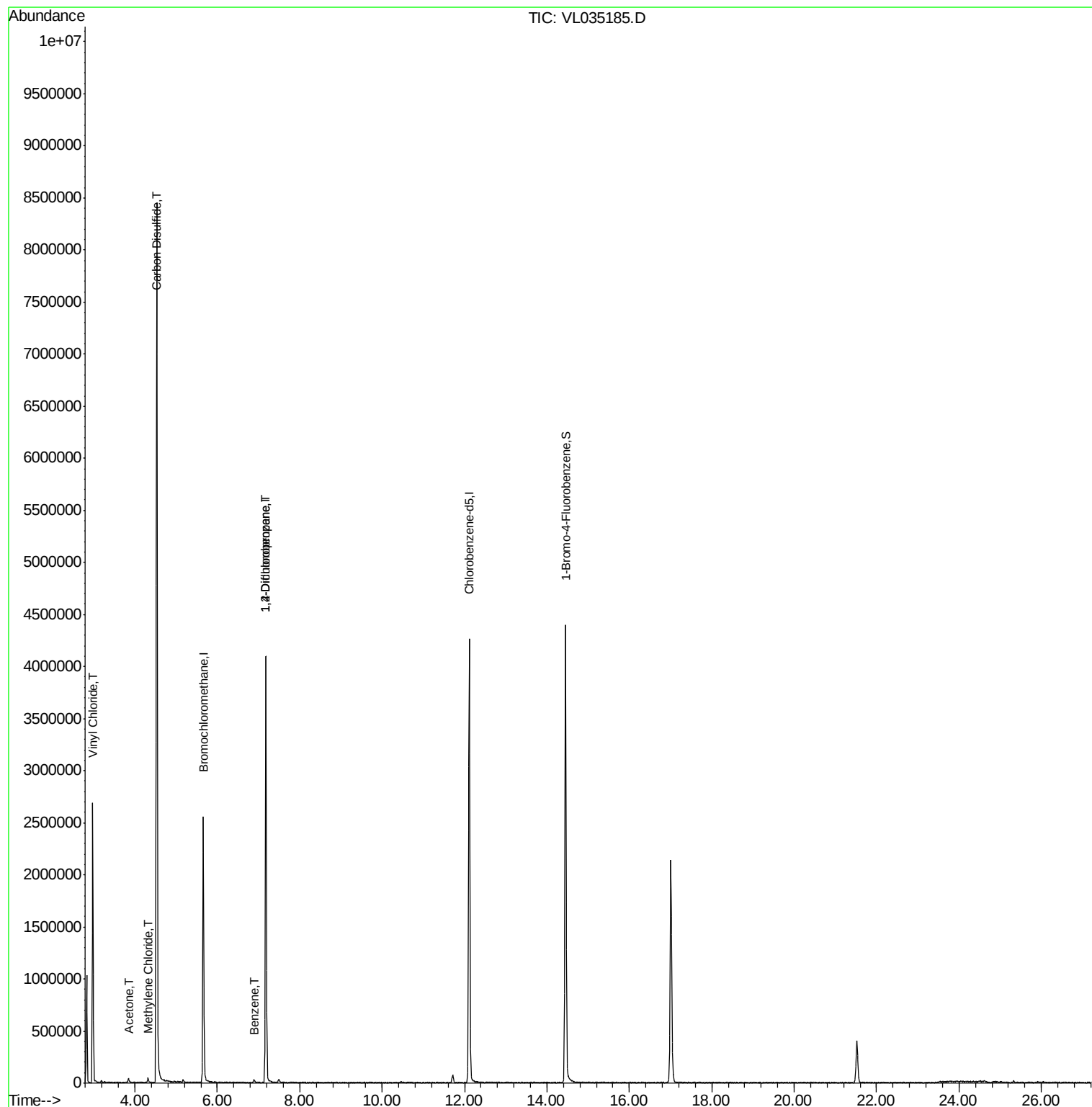
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	2.98	62	161259	2.162	ppbv #	47
15) Acetone	3.84	43	36932	0.243	ppbv #	73
20) Methylene Chloride	4.32	84	11841	0.179	ppbv #	92
27) Carbon Disulfide	4.53	76	10141123	69.919	ppbv #	81
36) Benzene	6.89	78	10712	0.055	ppbv #	85
39) 1,2-Dichloropropane	7.18	63	735512	9.516	ppbv #	23

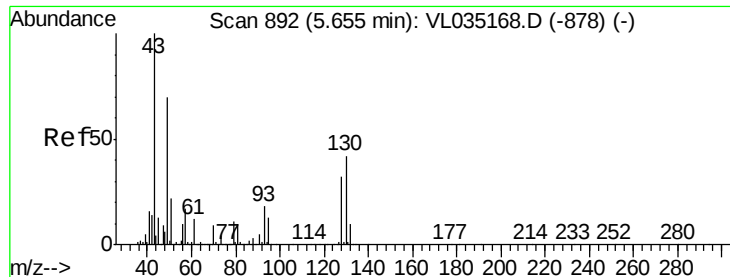
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL035185.D

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Instrument :

MSVOA_L

ClientSampleId :

CARBON-02DL

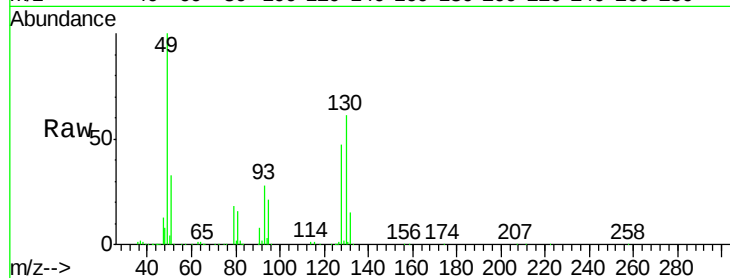
Tgt Ion: 49 Resp: 1121257

Ion Ratio Lower Upper

49 100

128 48.1 23.8 71.4

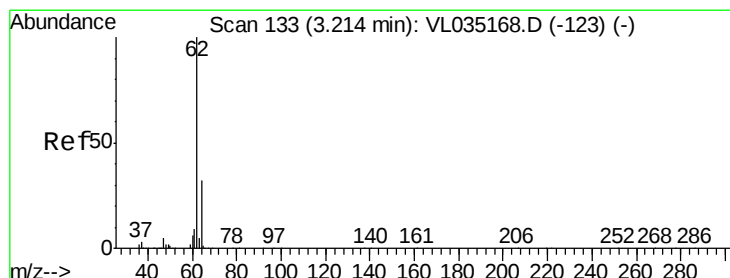
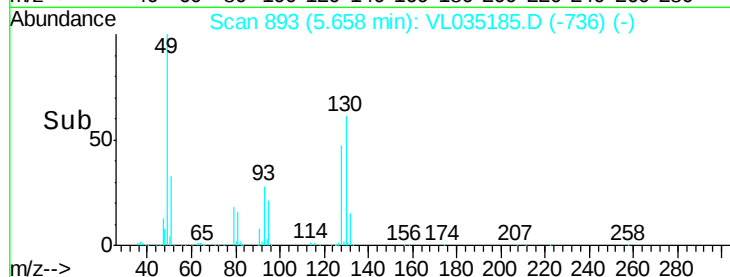
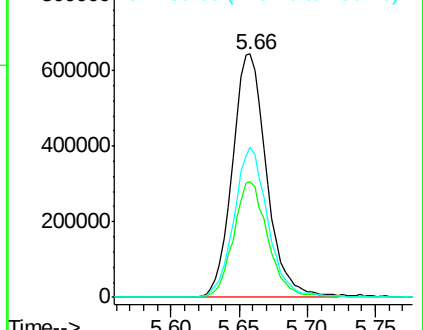
130 61.8 29.9 89.8



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: 2.162 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.23 min

Lab File: VL035185.D

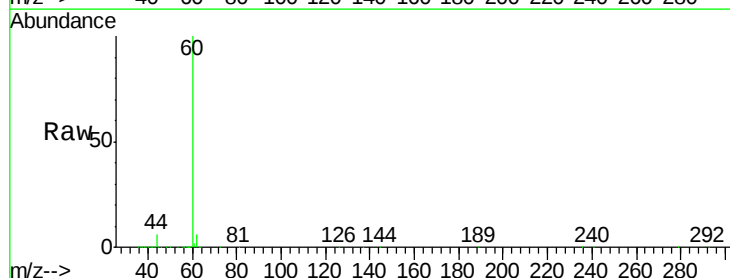
Acq: 8 Jul 2020 15:10

Tgt Ion: 62 Resp: 161259

Ion Ratio Lower Upper

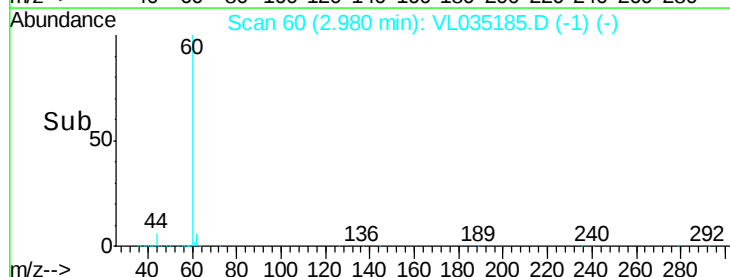
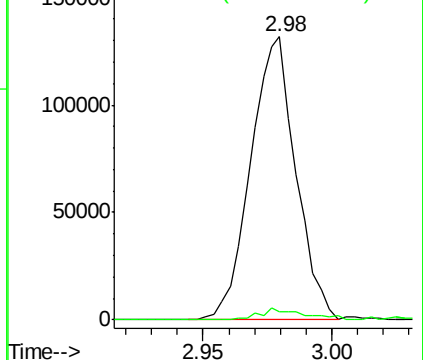
62 100

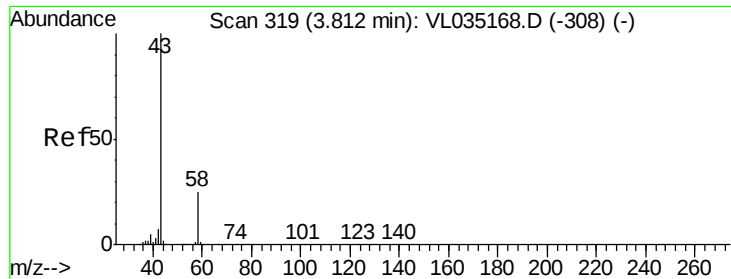
64 2.7 25.9 38.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

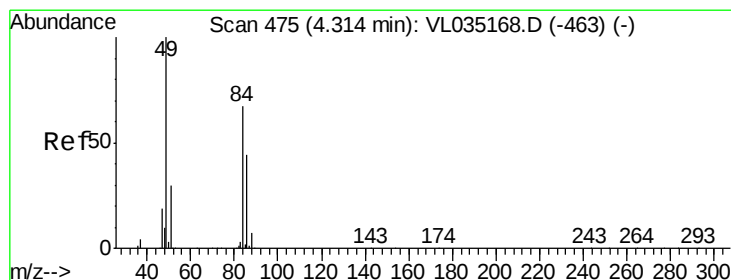
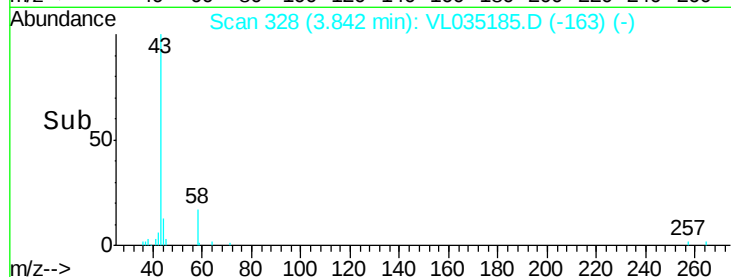
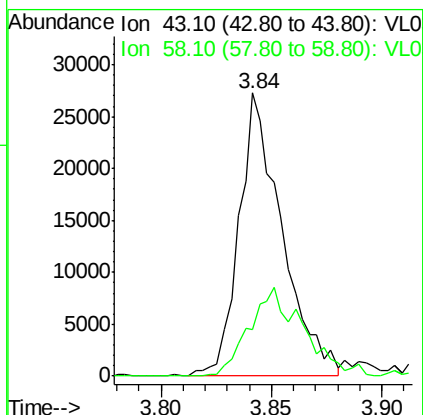
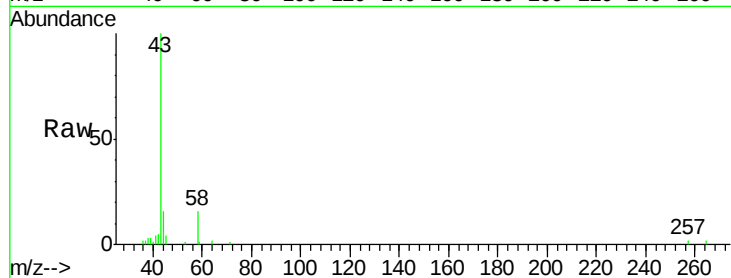




#15
Acetone
Concen: 0.243 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.03 min
Lab File: VL035185.D
Acq: 8 Jul 2020 15:10

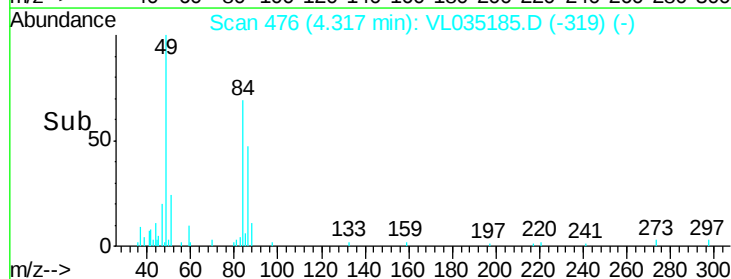
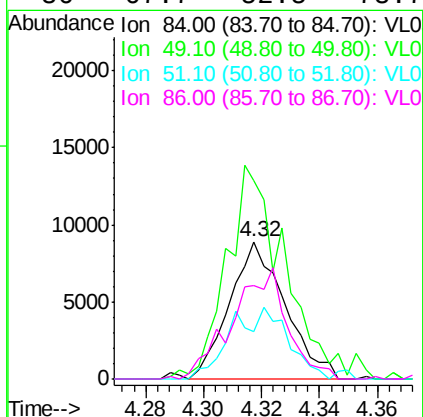
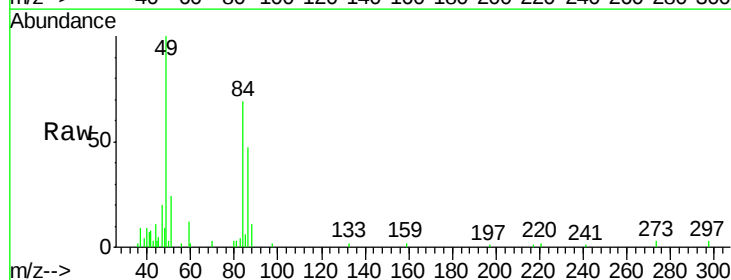
Instrument :
MSVOA_L
ClientSampleId :
CARBON-02DL

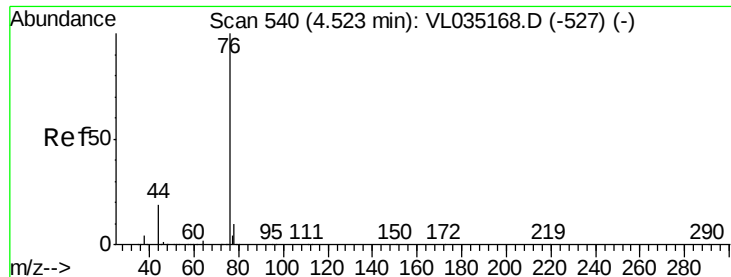
Tgt Ion: 43 Resp: 36932
Ion Ratio Lower Upper
43 100
58 40.3 21.3 31.9#



#20
Methylene Chloride
Concen: 0.179 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035185.D
Acq: 8 Jul 2020 15:10

Tgt Ion: 84 Resp: 11841
Ion Ratio Lower Upper
84 100
49 140.4 119.4 179.0
51 34.2 36.6 55.0#
86 67.7 52.5 78.7





#27

Carbon Disulfide

Concen: 69.919 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL035185.D

Acq: 8 Jul 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02DL

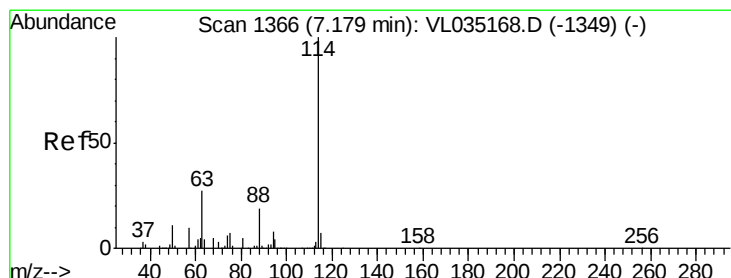
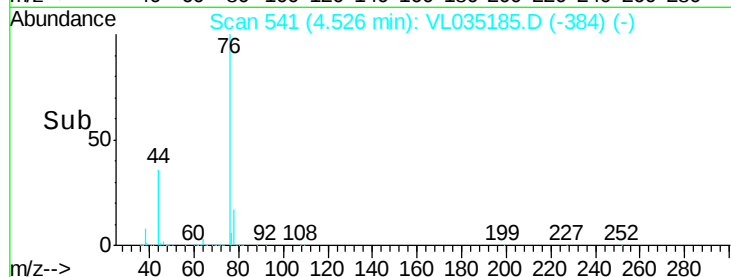
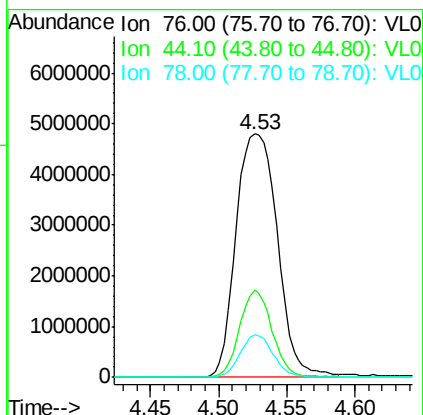
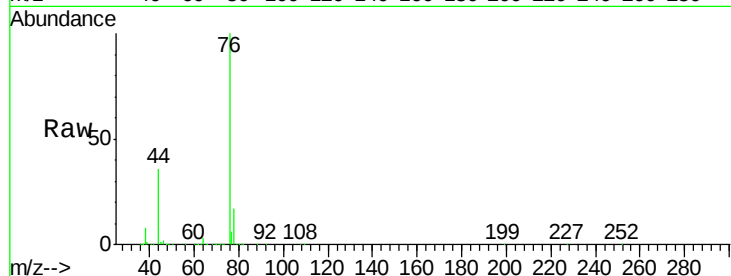
Tgt Ion: 76 Resp:10141123

Ion Ratio Lower Upper

76 100

44 28.3 14.9 22.3#

78 14.0 7.5 11.3#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VL035185.D

Acq: 8 Jul 2020 15:10

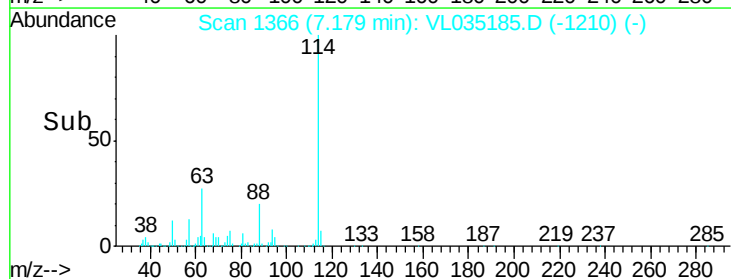
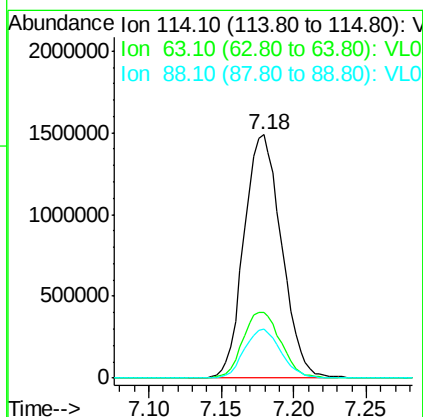
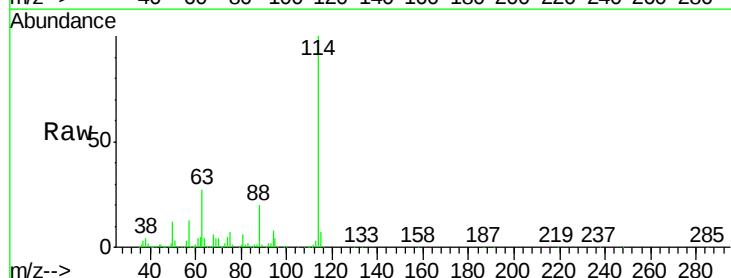
Tgt Ion:114 Resp: 2685326

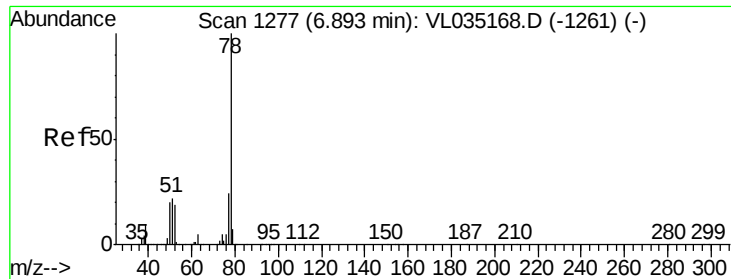
Ion Ratio Lower Upper

114 100

63 27.5 22.0 33.0

88 19.6 15.4 23.0





#36

Benzene

Concen: 0.055 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035185.D

Acq: 8 Jul 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02DL

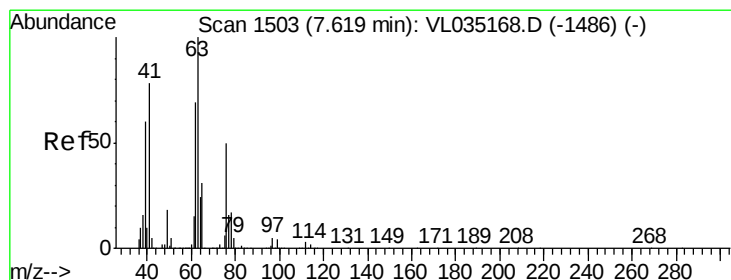
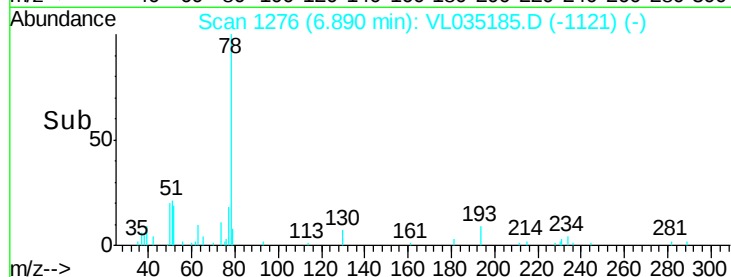
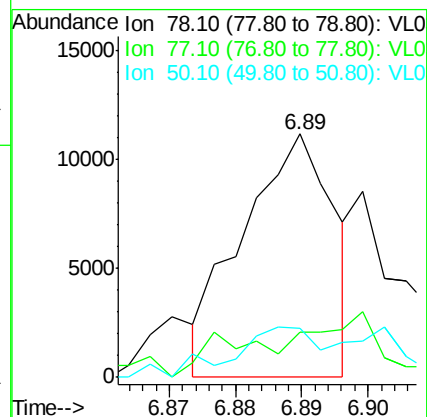
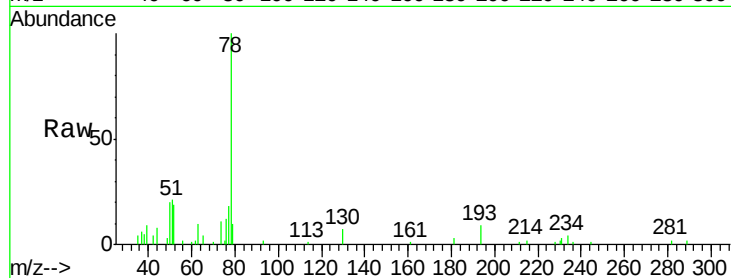
Tgt Ion: 78 Resp: 10712

Ion Ratio Lower Upper

78 100

77 16.3 19.3 28.9#

50 13.1 16.0 24.0#



#39

1,2-Dichloropropane

Concen: 9.516 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.44 min

Lab File: VL035185.D

Acq: 8 Jul 2020 15:10

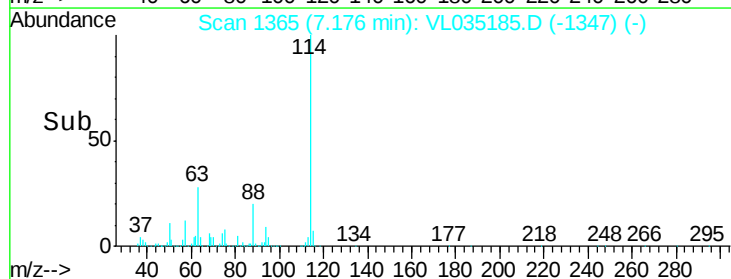
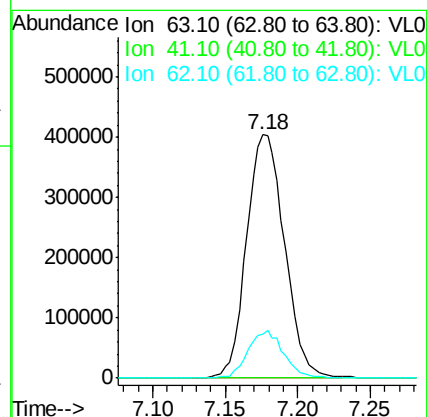
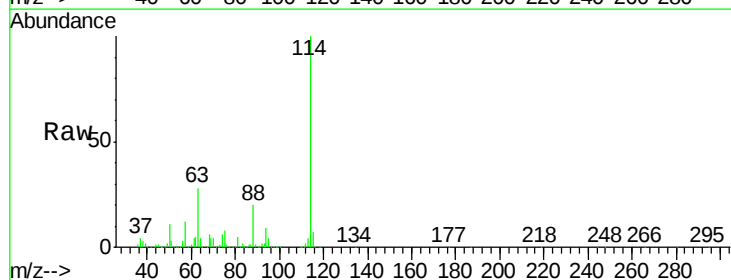
Tgt Ion: 63 Resp: 735512

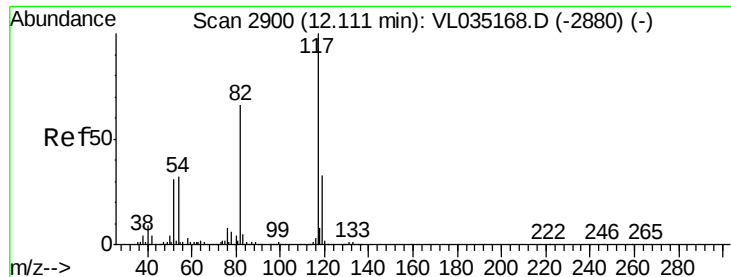
Ion Ratio Lower Upper

63 100

41 0.2 62.6 94.0#

62 18.0 55.0 82.6#

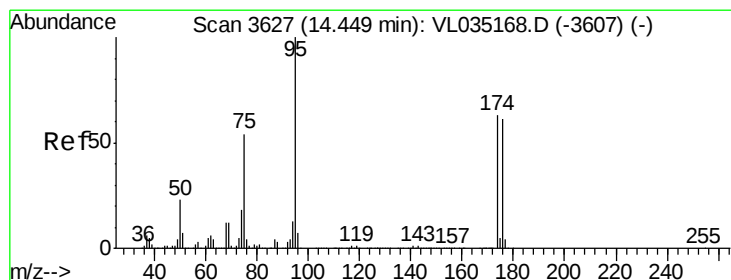
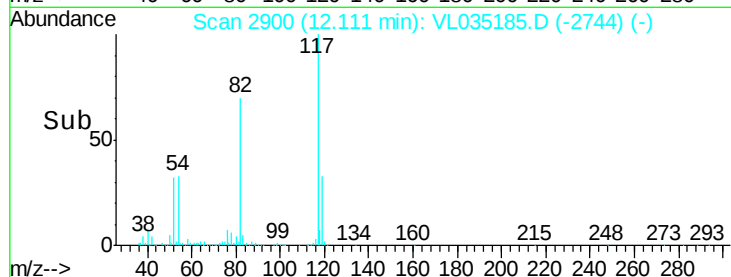
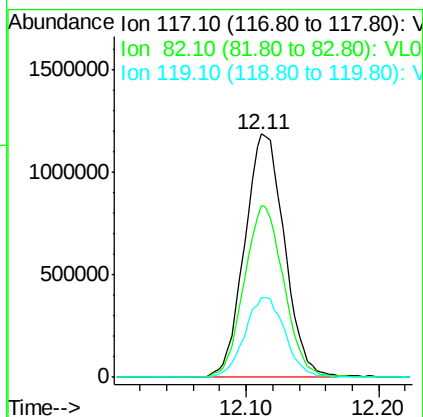
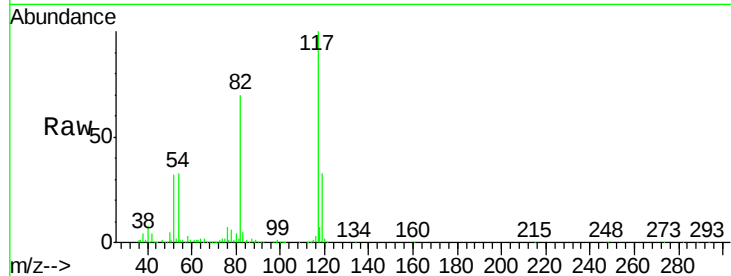




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035185.D
Acq: 8 Jul 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
CARBON-02DL

Tgt Ion:117 Resp: 2485218
Ion Ratio Lower Upper
117 100
82 70.3 52.3 78.5
119 33.2 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.229 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. 0.00 min
Lab File: VL035185.D
Acq: 8 Jul 2020 15:10

Tgt Ion: 95 Resp: 2065169
Ion Ratio Lower Upper
95 100
174 64.8 52.2 78.2
175 4.8 4.0 6.0

