

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081621\
Quantitation Report (Not Reviewed)

Data File : VL037460.D
Acq On : 16 Aug 2021 13:37
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Quant Time: Aug 16 14:25:35 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 11:33:04 2021
QLast Update : Mon Aug 16 11:33:04 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1516557	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4355246	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3718874	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2661193	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	12286	0.041	ppbv	97
7) Chloroethane	3.55	64	1593	0.041	ppbv #	87
13) Ethanol	3.61	45	679	0.064	ppbv #	39
15) Acetone	3.88	43	15793	0.098	ppbv #	44
20) Methylene Chloride	4.33	84	7368	0.087	ppbv #	69
39) 1,2-Dichloropropane	7.16	63	1035123	7.399	ppbv #	28

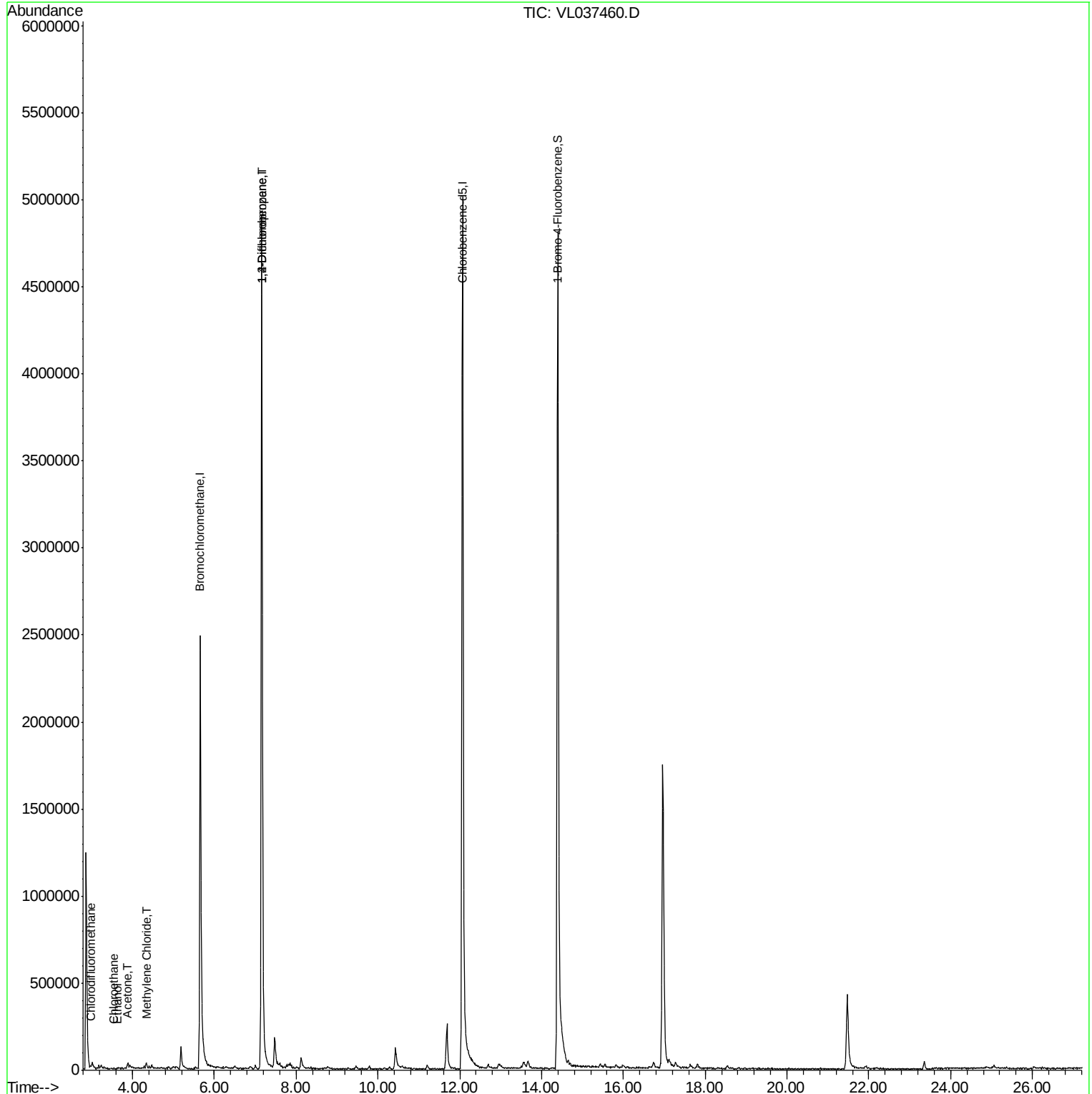
(#) = qualifier out of range (m) = manual integration (+) = signals summed

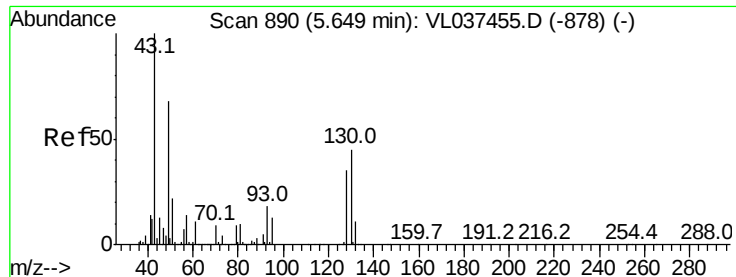
Quantitation Report (Not Reviewed)

ALS Vial : 1 Sample Multiplier: 1

VSTDICC0.03

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037460.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

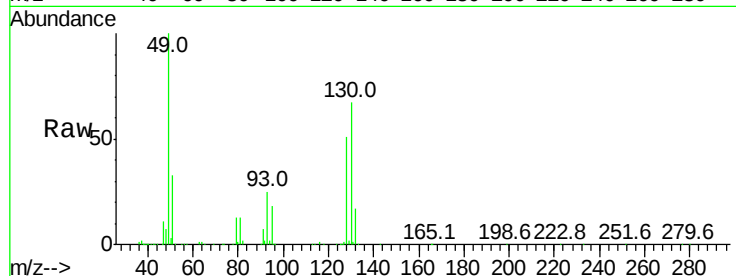
Tgt Ion: 49 Resp: 1516557

Ion Ratio Lower Upper

49 100

128 53.6 27.5 82.4

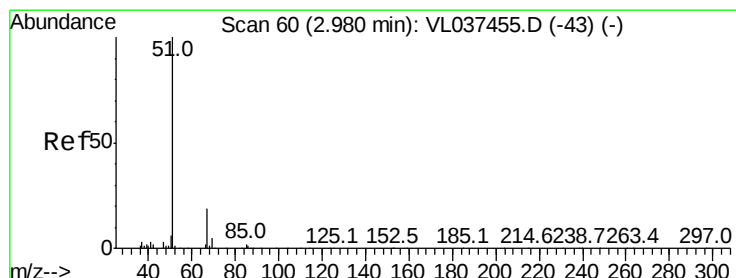
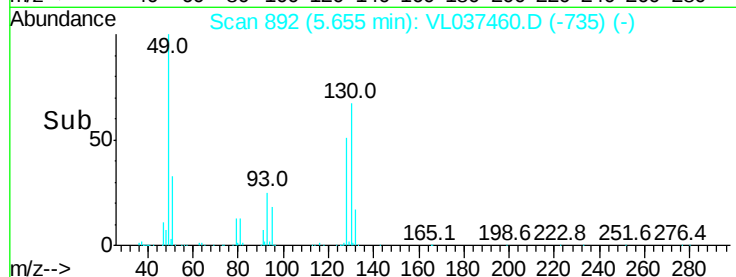
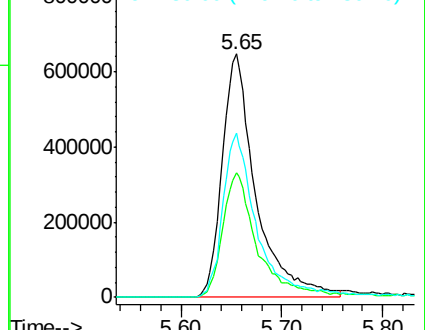
130 68.7 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.041 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037460.D

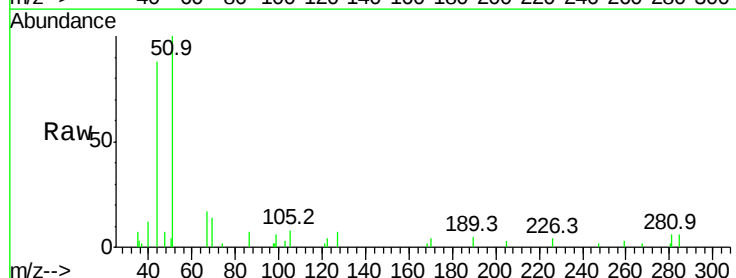
Acq: 16 Aug 2021 13:37

Tgt Ion: 51 Resp: 12286

Ion Ratio Lower Upper

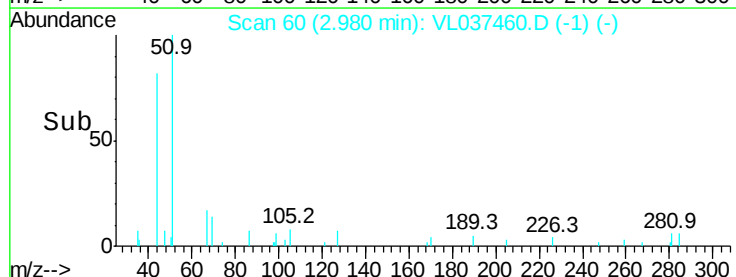
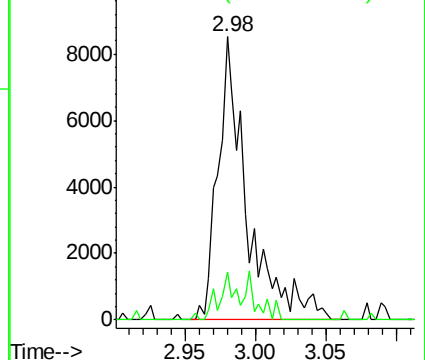
51 100

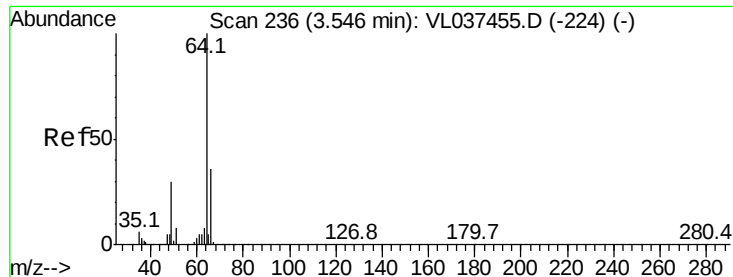
67 16.2 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#7

Chloroethane

Concen: 0.041 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037460.D

Acq: 16 Aug 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

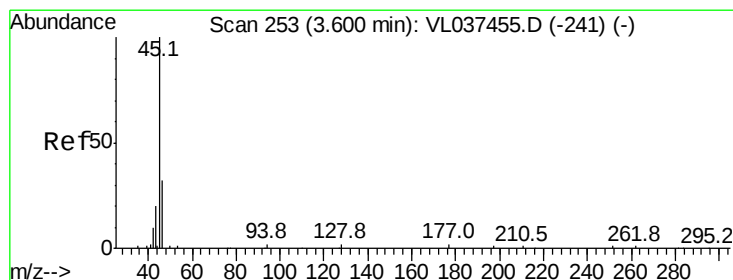
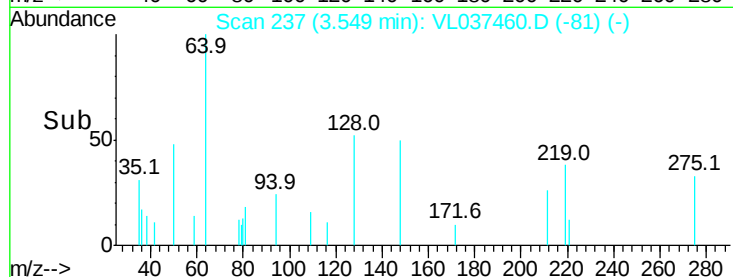
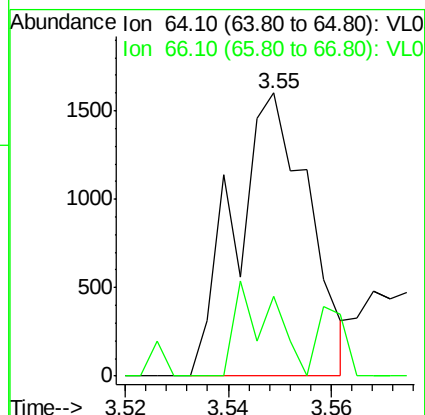
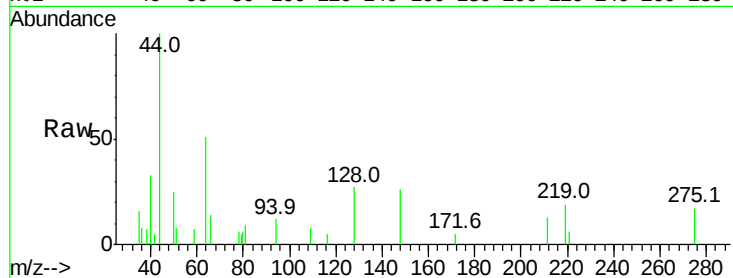
VSTDIC0.03

Tgt Ion: 64 Resp: 1593

Ion Ratio Lower Upper

64 100

66 28.1 28.6 43.0#



#13

Ethanol

Concen: 0.064 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL037460.D

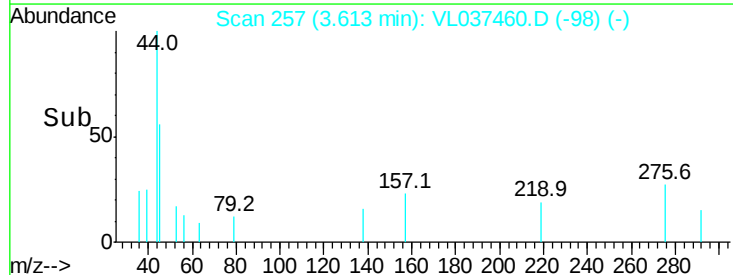
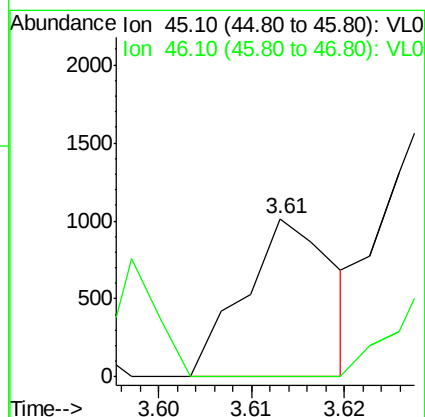
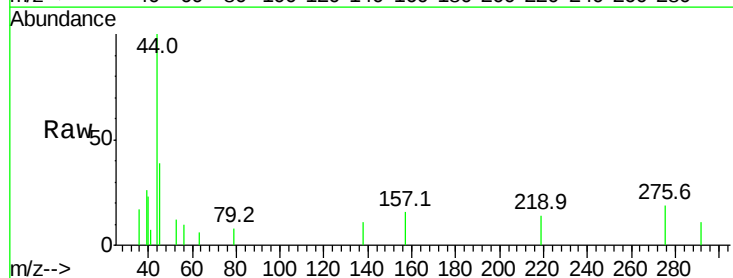
Acq: 16 Aug 2021 13:37

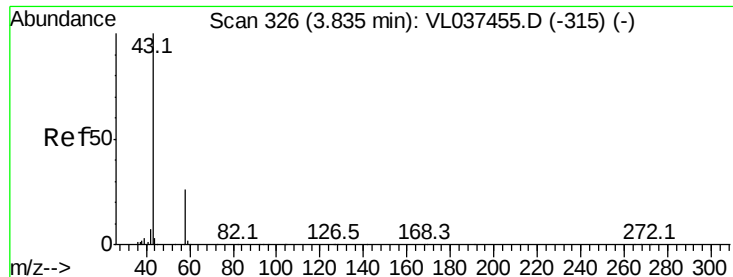
Tgt Ion: 45 Resp: 679

Ion Ratio Lower Upper

45 100

46 0.0 14.1 56.5#





#15

Acetone

Concen: 0.098 ppbv

RT: 3.88 min Scan# 339

Delta R.T. 0.04 min

Lab File: VL037460.D

Acq: 16 Aug 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

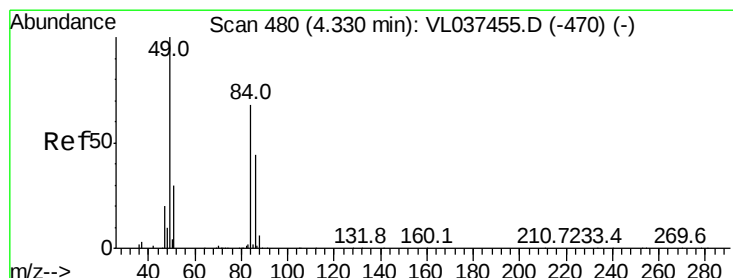
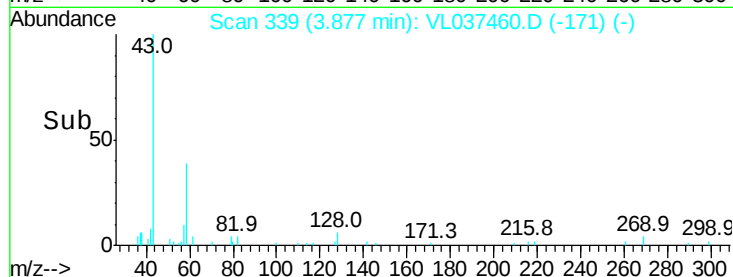
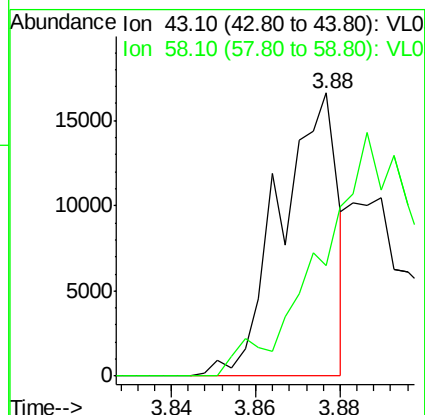
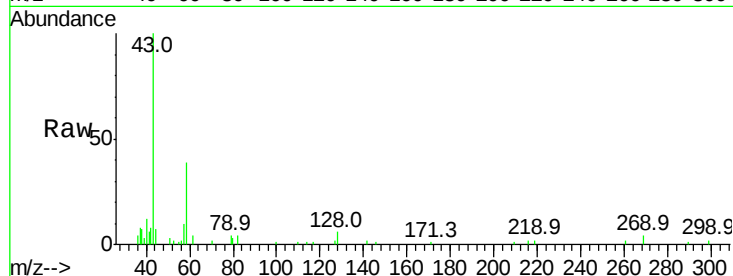
VSTDIC0.03

Tgt Ion: 43 Resp: 15793

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#



#20

Methylene Chloride

Concen: 0.087 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL037460.D

Acq: 16 Aug 2021 13:37

Tgt Ion: 84 Resp: 7368

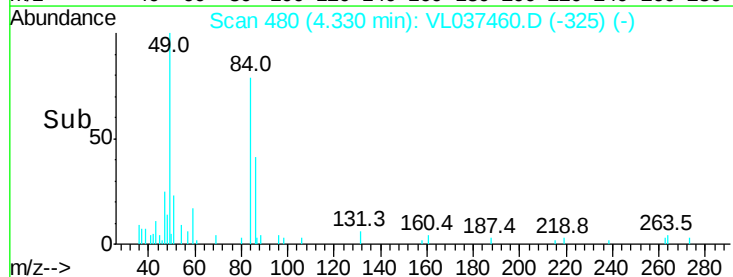
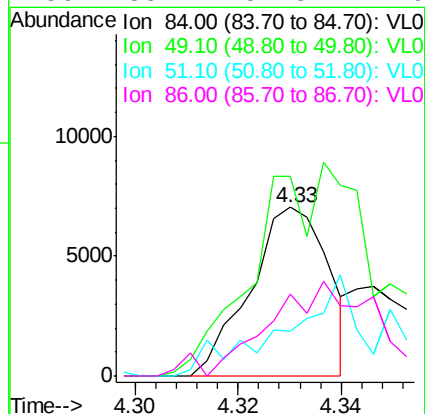
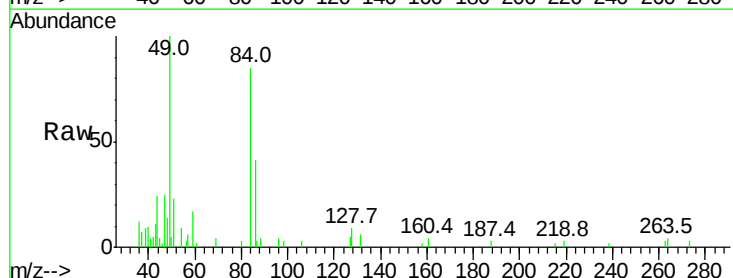
Ion Ratio Lower Upper

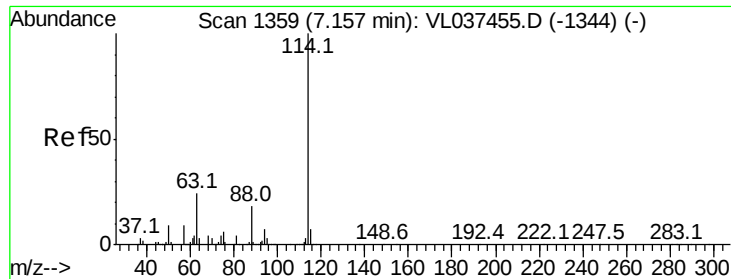
84 100

49 113.6 118.2 177.2#

51 23.1 36.6 55.0#

86 35.1 51.8 77.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

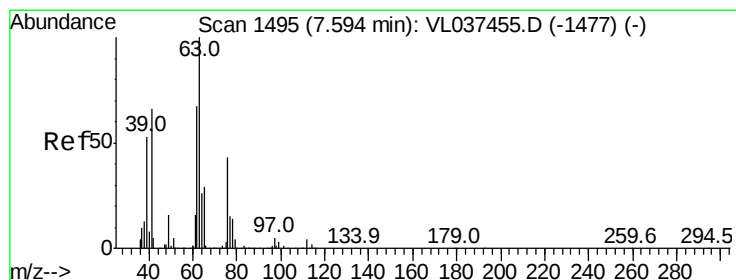
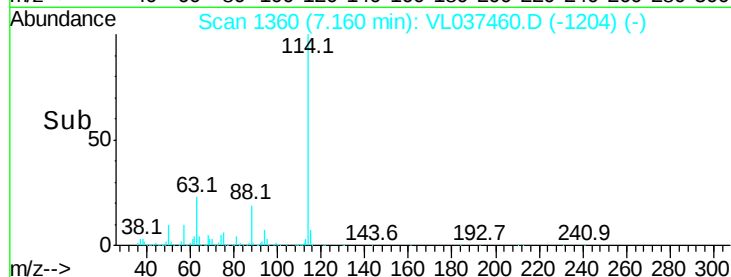
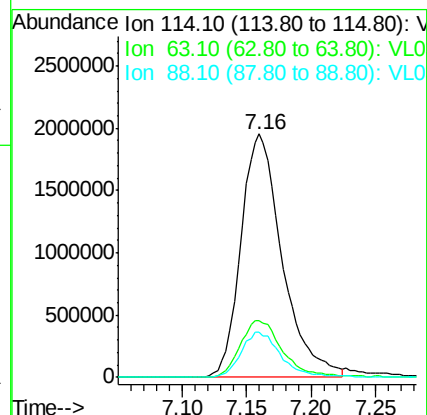
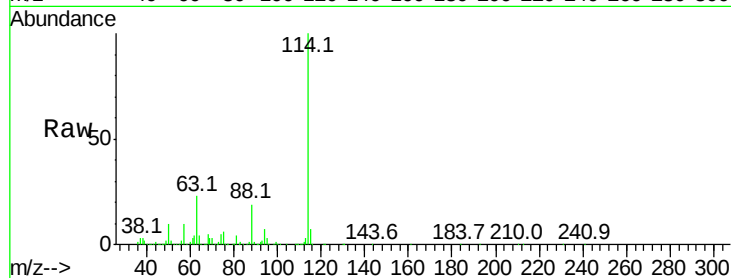
Lab File: VL037460.D

Acq: 16 Aug 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion:114 Resp: 4355246

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.3	28.9
88	18.3	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.399 ppbv

RT: 7.16 min Scan# 1359

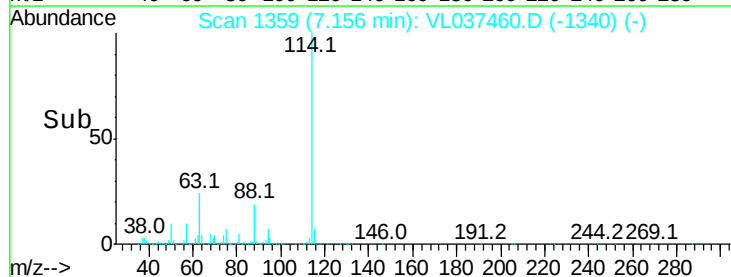
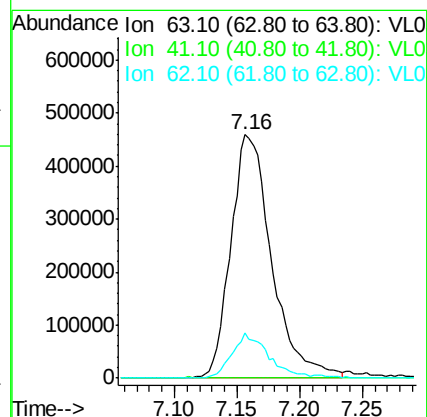
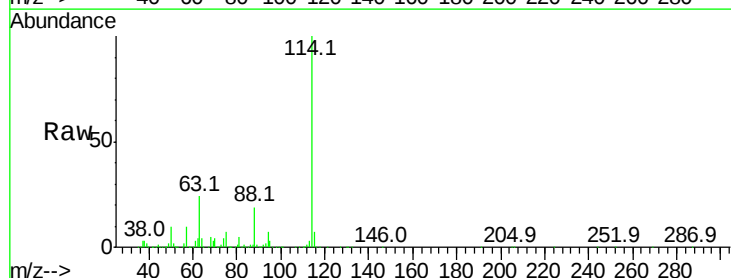
Delta R.T. -0.44 min

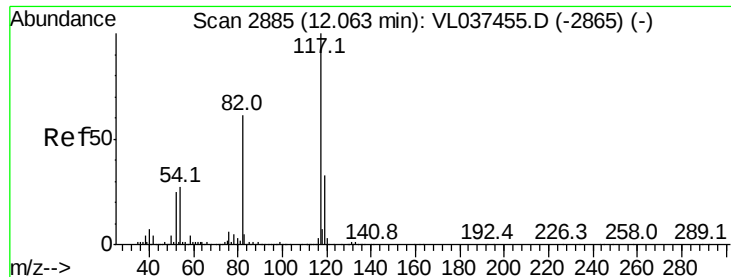
Lab File: VL037460.D

Acq: 16 Aug 2021 13:37

Tgt Ion: 63 Resp: 1035123

Ion	Ratio	Lower	Upper
63	100		
41	0.1	52.4	78.6#
62	18.4	53.6	80.4#

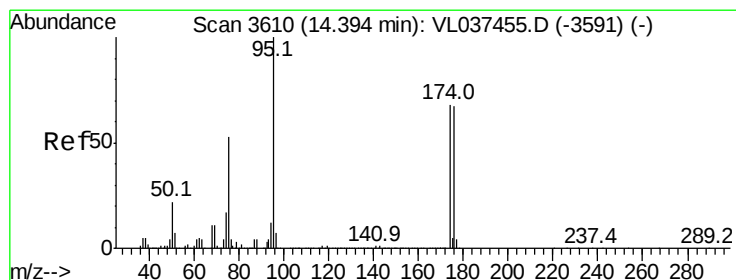
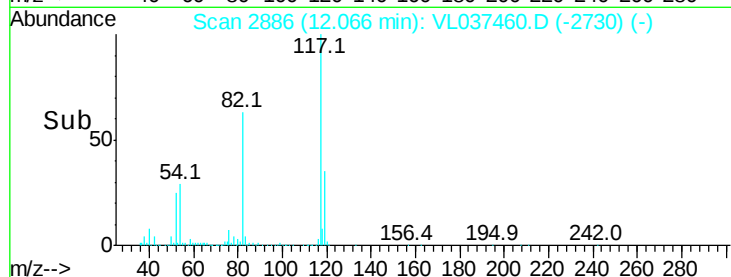
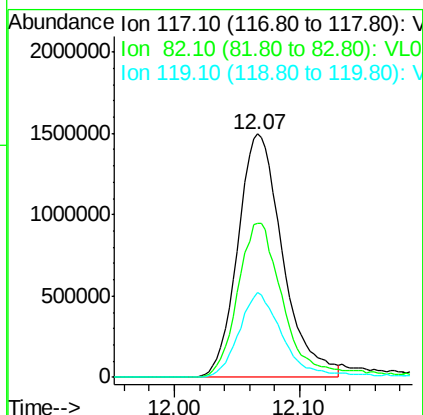
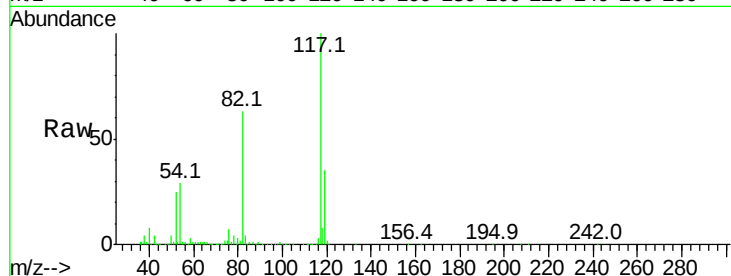




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037460.D
Acq: 16 Aug 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion: 117 Resp: 3718874
Ion Ratio Lower Upper
117 100
82 67.3 52.9 79.3
119 35.6 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.976 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.00 min
Lab File: VL037460.D
Acq: 16 Aug 2021 13:37

Tgt Ion: 95 Resp: 2661193
Ion Ratio Lower Upper
95 100
174 76.2 59.6 89.4
175 5.6 4.6 7.0

