

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037571.D
 Acq On : 8 Sep 2021 14:19
 Operator : SY/AP
 Sample : OC090721 CAN 10058
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC090721 CAN 10058

Quant Time: Sep 09 09:11:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1764271	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	5070128	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4336375	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3234372	10.50	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

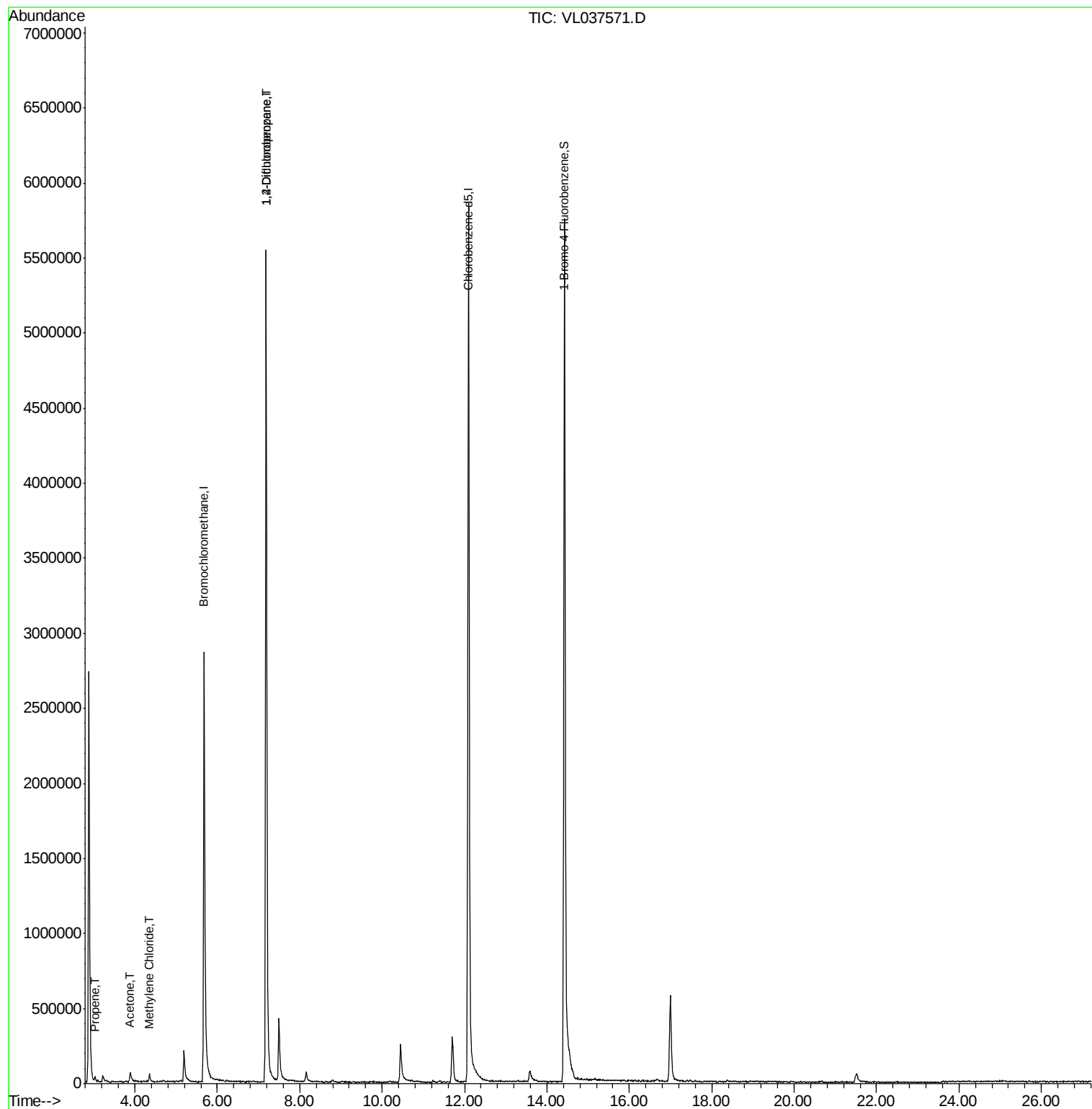
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	4417	0.037	ppbv #	16
15) Acetone	3.88	43	19470	0.108	ppbv #	44
20) Methylene Chloride	4.35	84	16938	0.188	ppbv #	79
39) 1,2-Dichloropropane	7.19	63	1120097	6.839	ppbv #	27

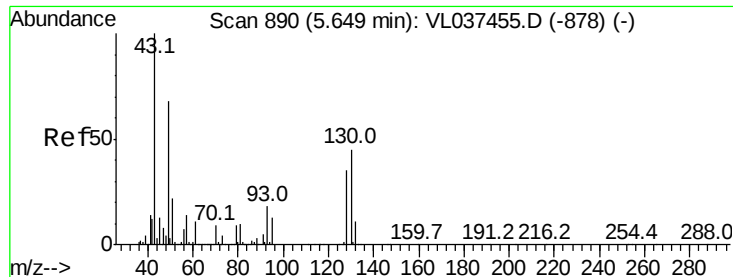
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037571.D

Acq: 8 Sep 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

QC090721 CAN 10058

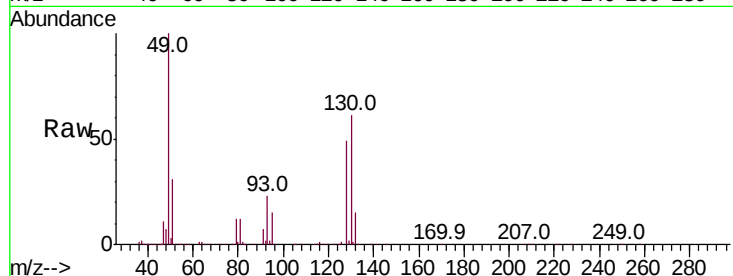
Tot Ion: 49 Resp: 1764271

Ion Ratio Lower Upper

49 100

128 52.6 27.5 82.4

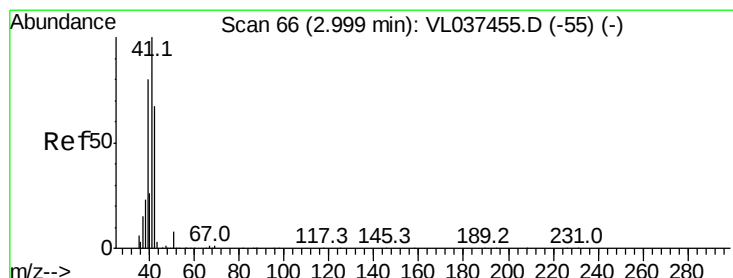
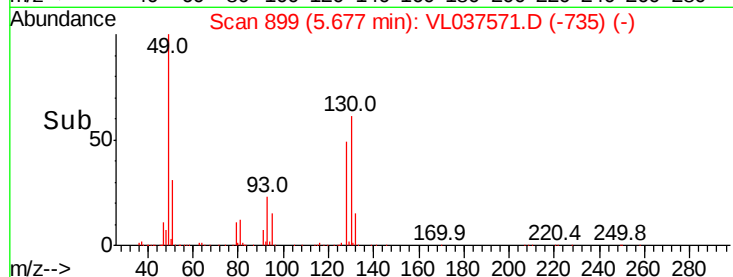
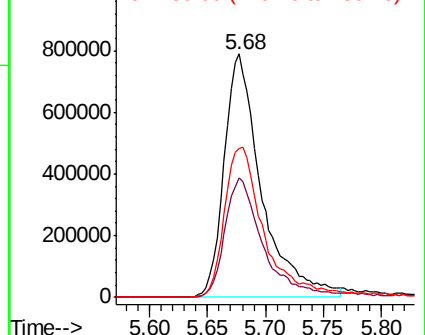
130 67.3 34.0 101.8



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



#9

Propene

Concen: 0.037 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037571.D

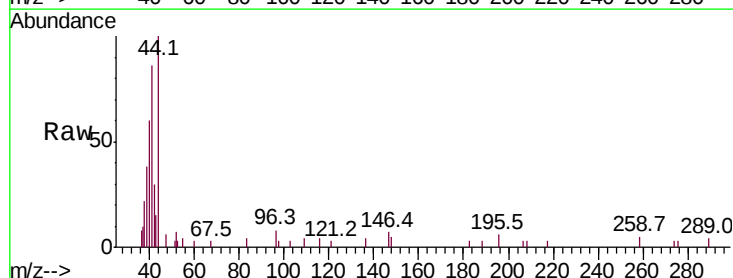
Acq: 8 Sep 2021 14:19

Tgt Ion: 41 Resp: 4417

Ion Ratio Lower Upper

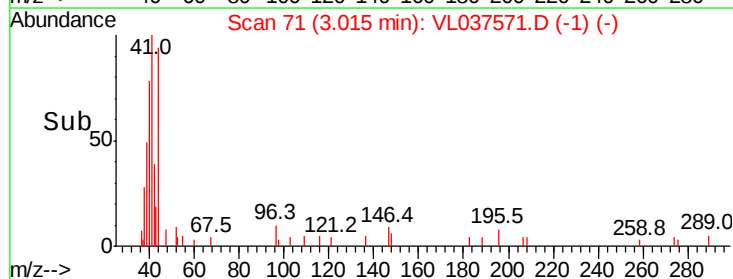
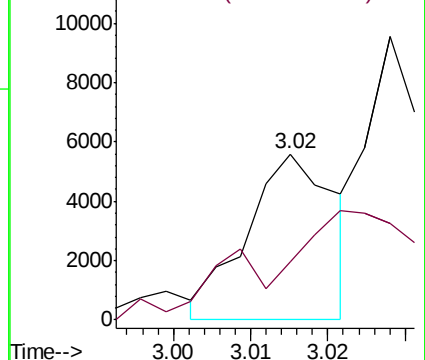
41 100

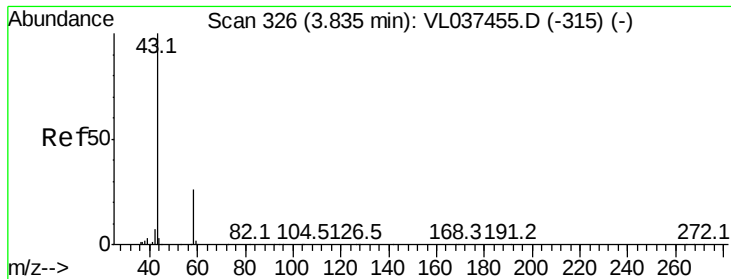
42 0.0 53.7 80.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.108 ppbv

RT: 3.88 min Scan# 339

Delta R.T. 0.04 min

Lab File: VL037571.D

Acq: 8 Sep 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

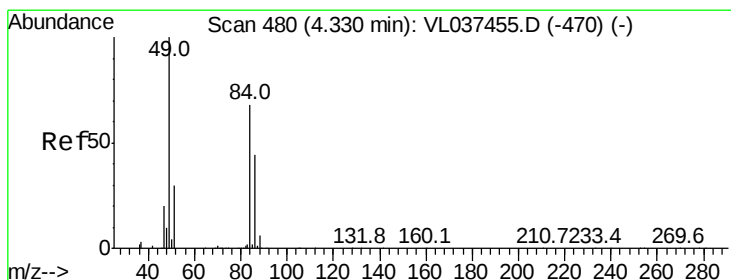
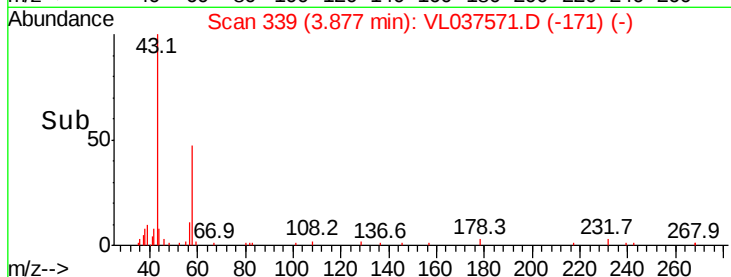
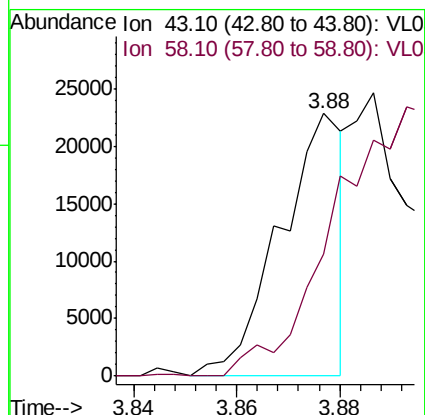
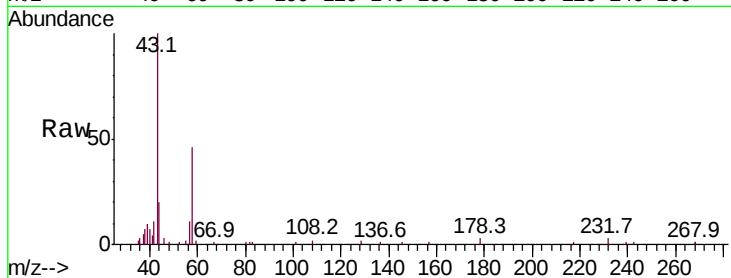
QC090721 CAN 10058

Tot Ion: 43 Resp: 19470

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#



#20

Methylene Chloride

Concen: 0.188 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL037571.D

Acq: 8 Sep 2021 14:19

Tgt Ion: 84 Resp: 16938

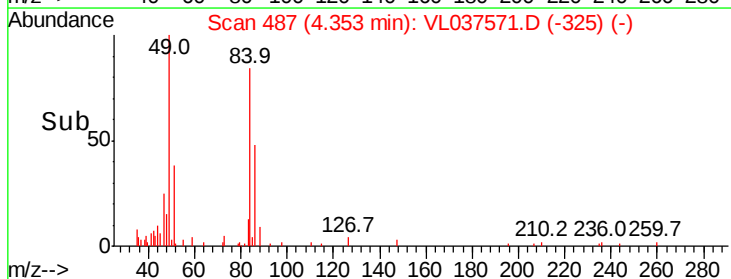
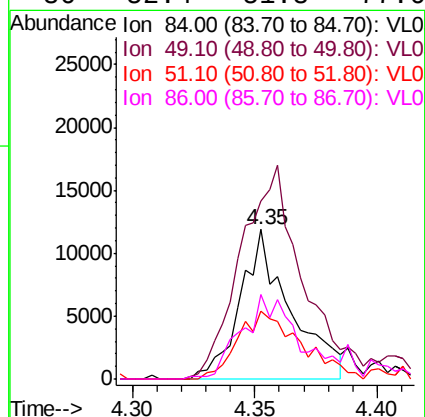
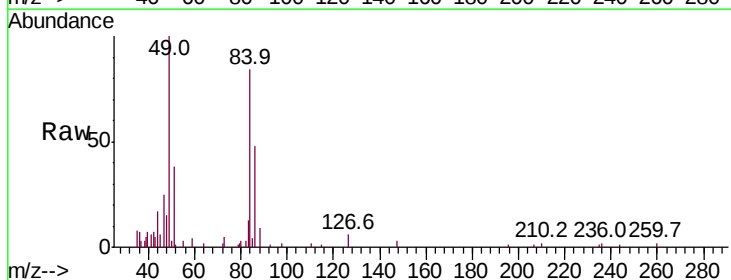
Ion Ratio Lower Upper

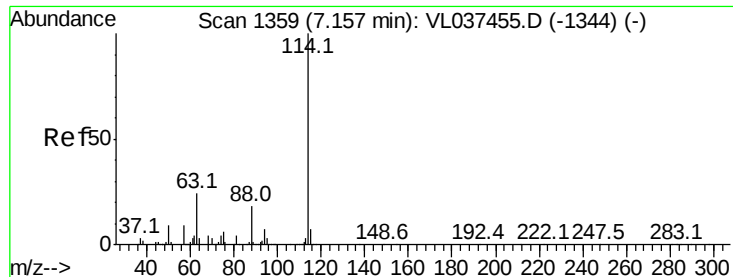
84 100

49 112.0 118.2 177.2#

51 43.2 36.6 55.0

86 52.4 51.8 77.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.03 min

Lab File: VL037571.D

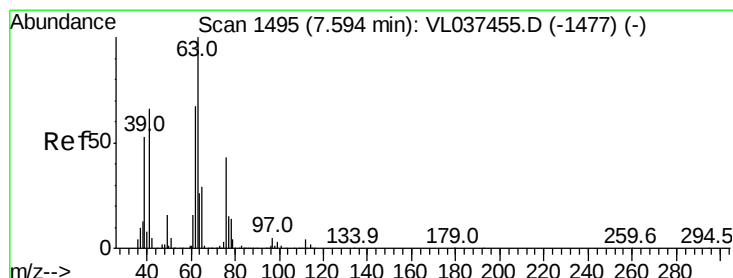
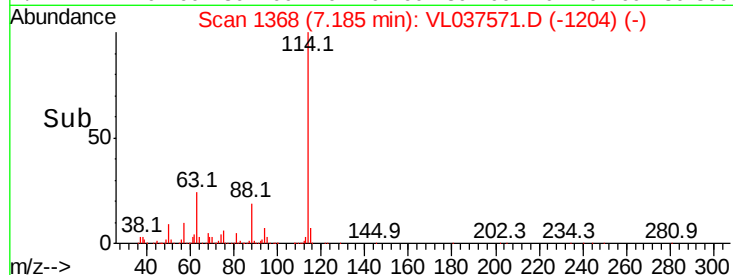
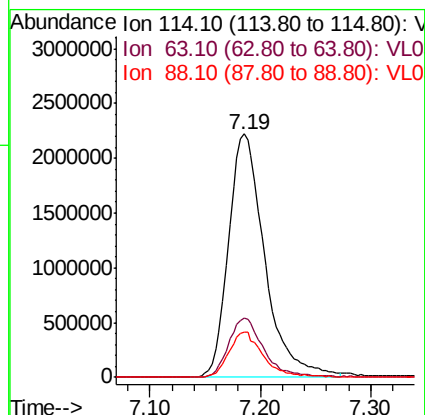
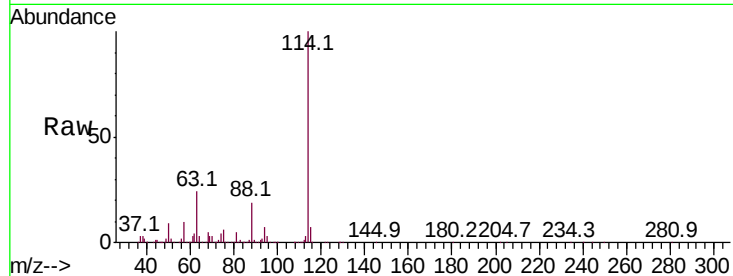
Acq: 8 Sep 2021 14:19

Instrument :
MSVOA_L

ClientSampleId :
QC090721 CAN 10058

Tot Ion:114 Resp: 5070128

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.3	28.9
88	18.0	14.2	21.4



#39

1,2-Dichloropropane

Concen: 6.839 ppbv

RT: 7.19 min Scan# 1368

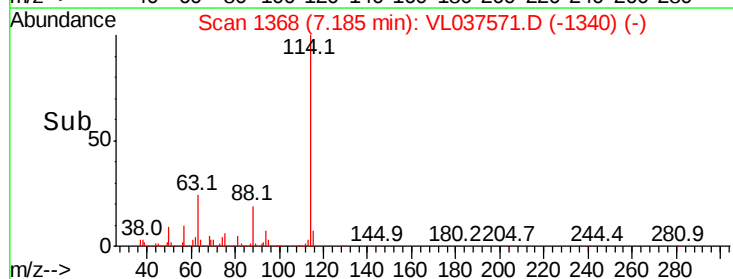
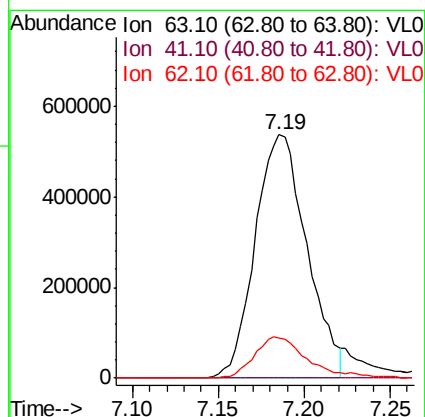
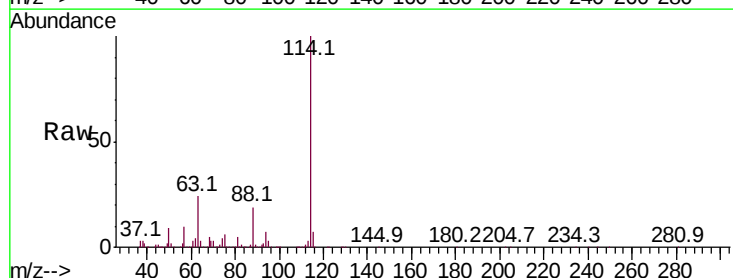
Delta R.T. -0.41 min

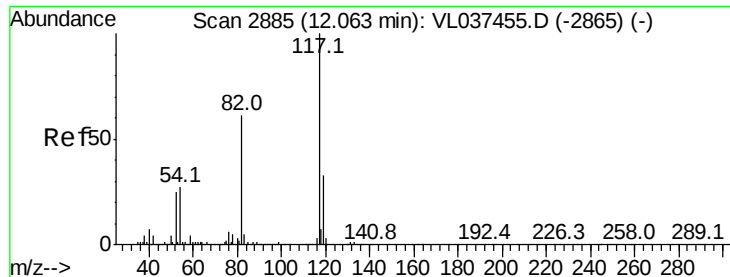
Lab File: VL037571.D

Acq: 8 Sep 2021 14:19

Tgt Ion: 63 Resp: 1120097

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.4	78.6#
62	16.4	53.6	80.4#

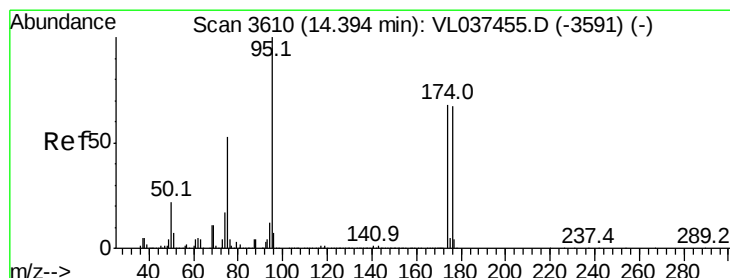
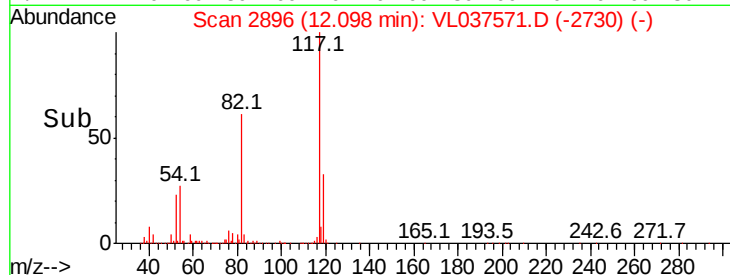
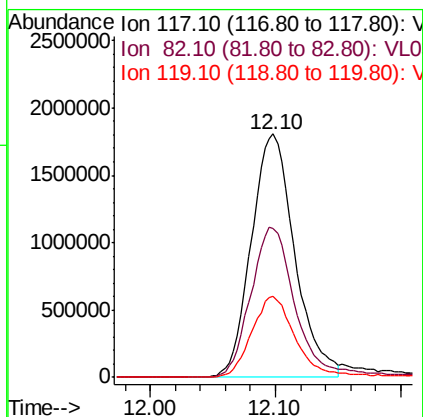
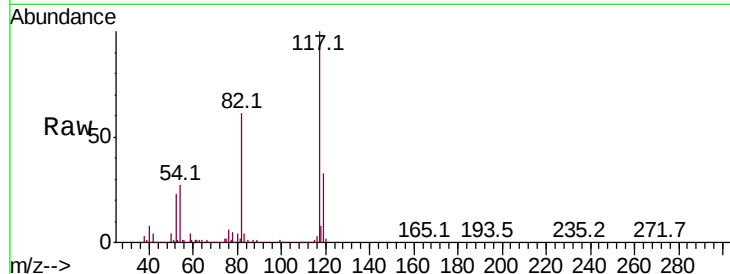




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.04 min
Lab File: VL037571.D
Acq: 8 Sep 2021 14:19

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Tot Ion:117 Resp: 4336375
Ion Ratio Lower Upper
117 100
82 66.5 52.9 79.3
119 34.6 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.499 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. 0.03 min
Lab File: VL037571.D
Acq: 8 Sep 2021 14:19

Tgt Ion: 95 Resp: 3234372
Ion Ratio Lower Upper
95 100
174 75.5 59.6 89.4
175 5.6 4.6 7.0

