

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037537.D
 Acq On : 4 Sep 2021 1:12
 Operator : SY/AP
 Sample : CAN 10282
 Misc : 400mL/MSVOA L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10282

Quant Time: Sep 04 04:23:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.66	49	1660545	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4853819	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	4211918	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3149739	10.53	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

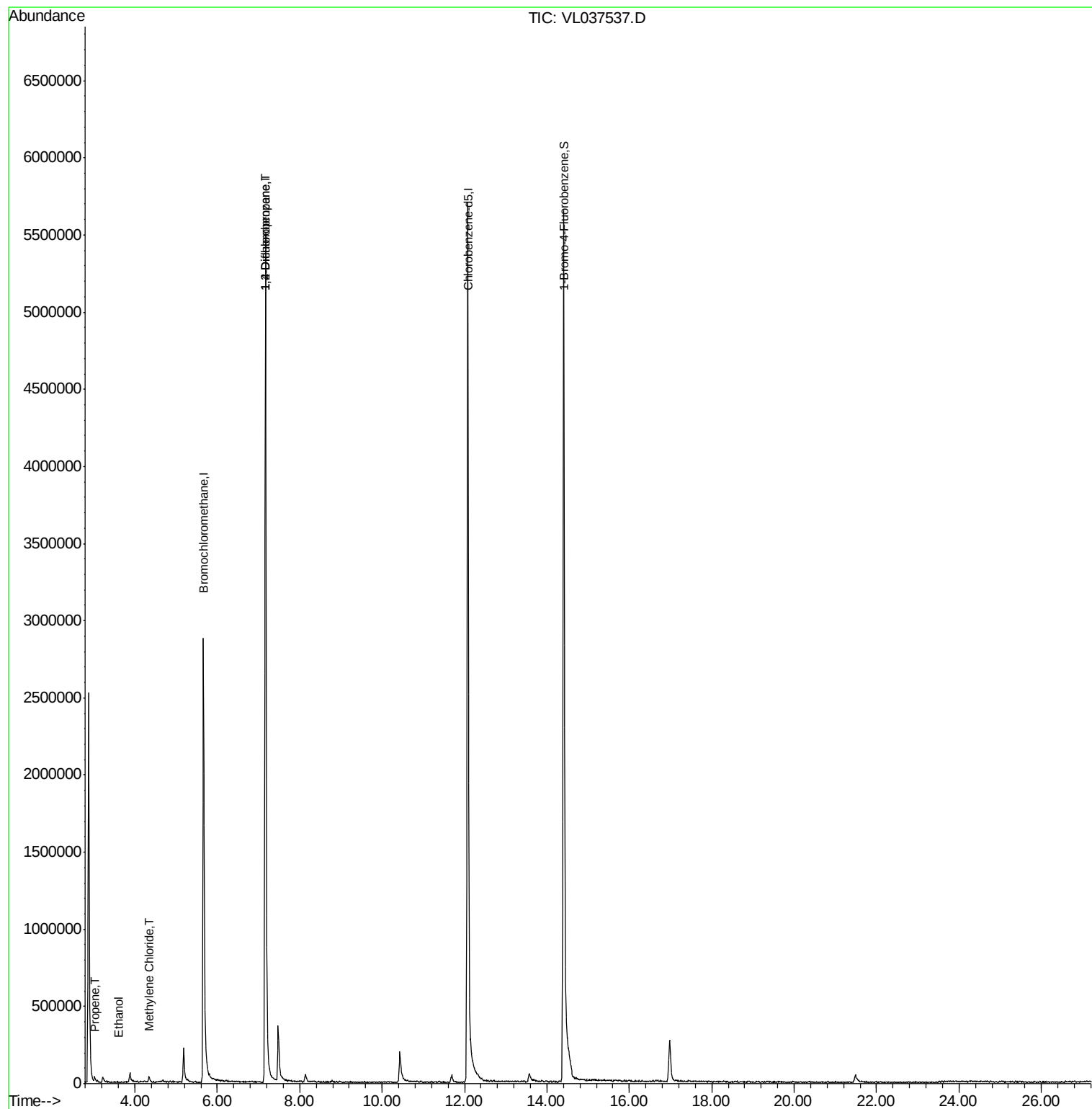
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	6809	0.060	ppbv #	70
13) Ethanol	3.61	45	449	0.041	ppbv #	39
20) Methylene Chloride	4.34	84	9837	0.116	ppbv #	63
39) 1,2-Dichloropropane	7.17	63	1136434	7.248	ppbv #	27

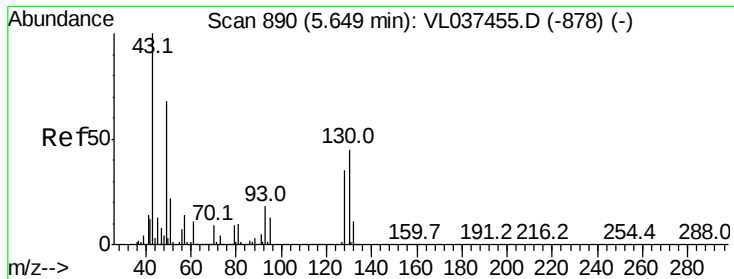
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

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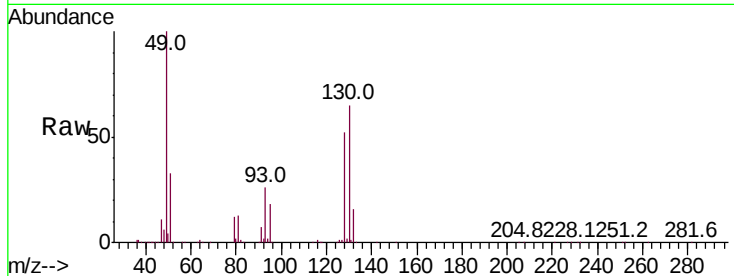
Tot Ion: 49 Resp: 1660545

Ion Ratio Lower Upper

49 100

128 54.6 27.5 82.4

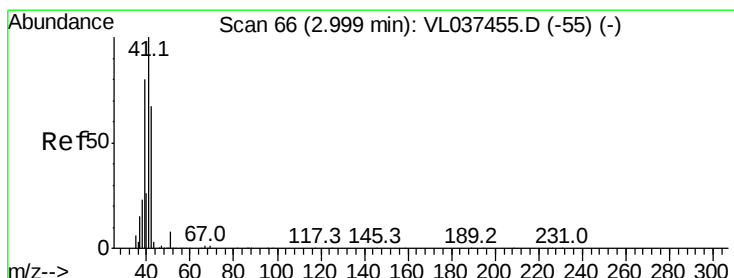
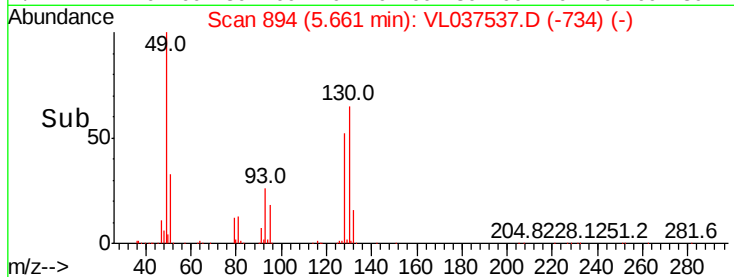
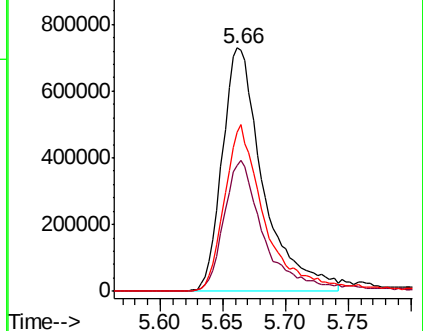
130 69.2 34.0 101.8



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



#9

Propene

Concen: 0.060 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL037537.D

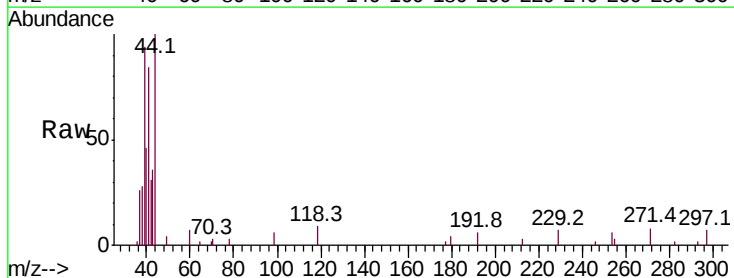
Acq: 4 Sep 2021 1:12

Tgt Ion: 41 Resp: 6809

Ion Ratio Lower Upper

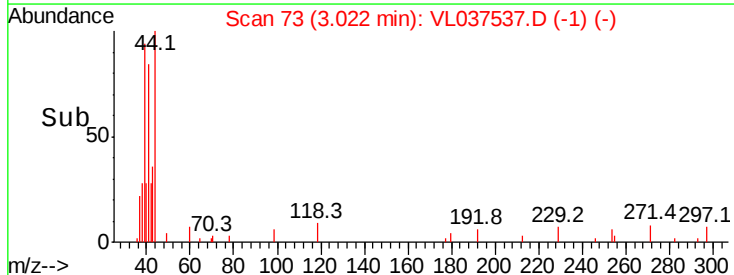
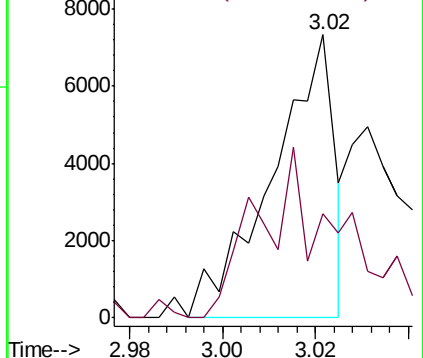
41 100

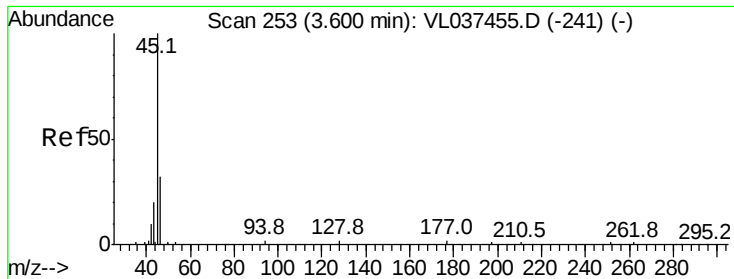
42 91.4 53.7 80.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.041 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037537.D

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ClientSampleId :

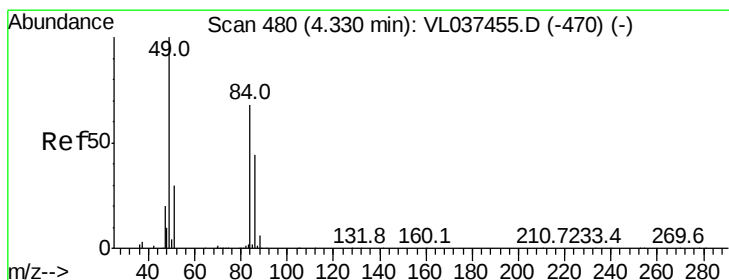
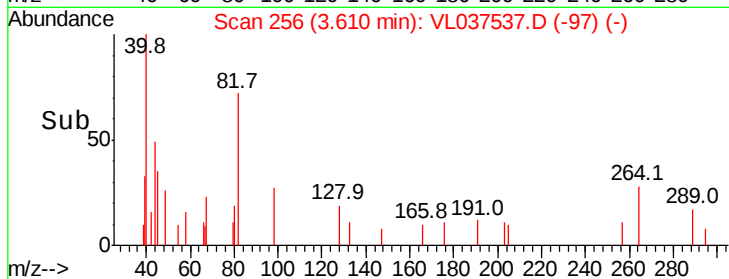
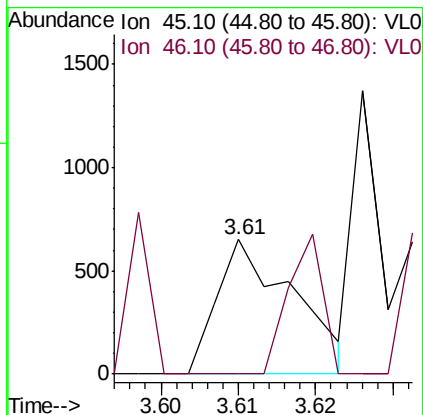
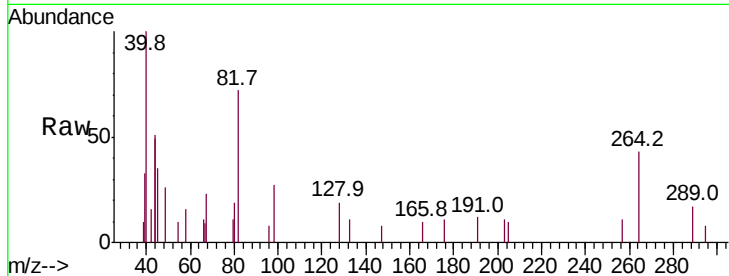
CAN 10282

Tot Ion: 45 Resp: 449

Ion Ratio Lower Upper

45 100

46 0.0 14.1 56.5#



#20

Methylene Chloride

Concen: 0.116 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.01 min

Lab File: VL037537.D

Acq: 4 Sep 2021 1:12

Tgt Ion: 84 Resp: 9837

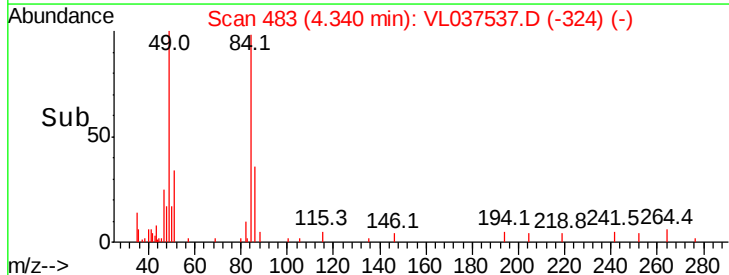
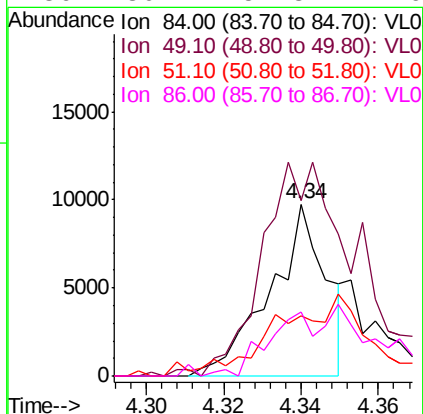
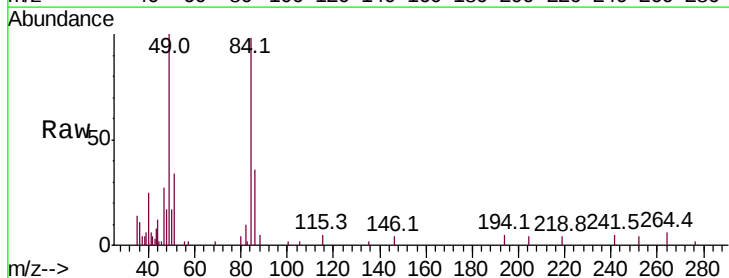
Ion Ratio Lower Upper

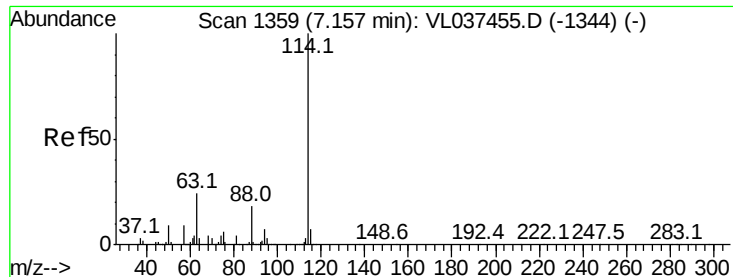
84 100

49 98.2 118.2 177.2#

51 31.8 36.6 55.0#

86 30.1 51.8 77.6#

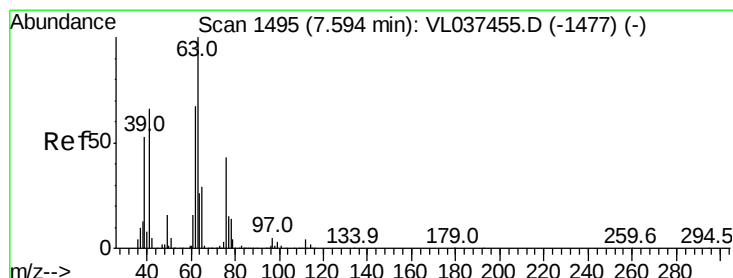
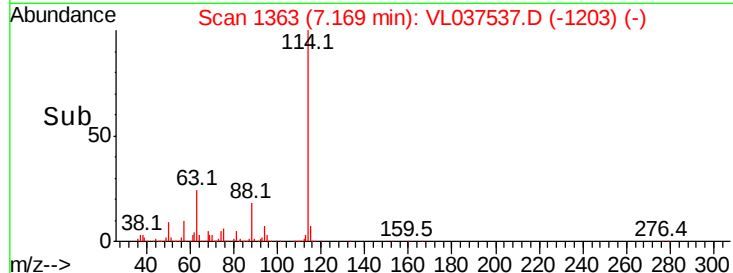
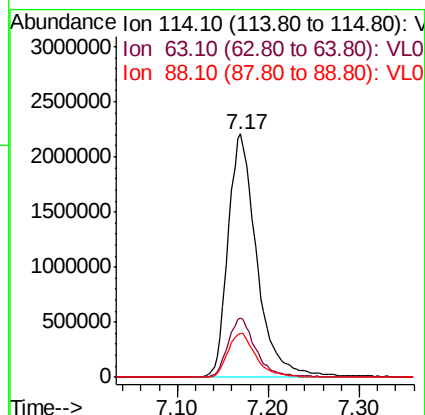
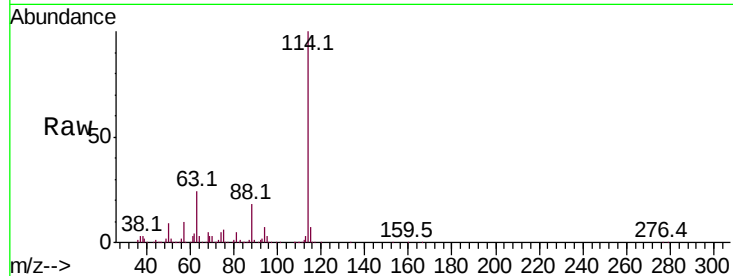




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VL037537.D
 Acq: 4 Sep 2021 1:12

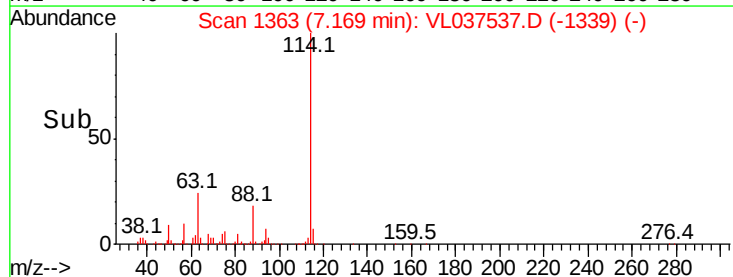
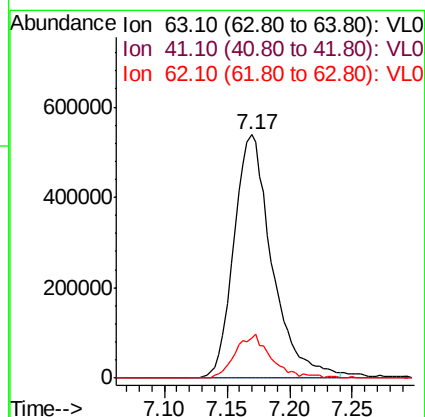
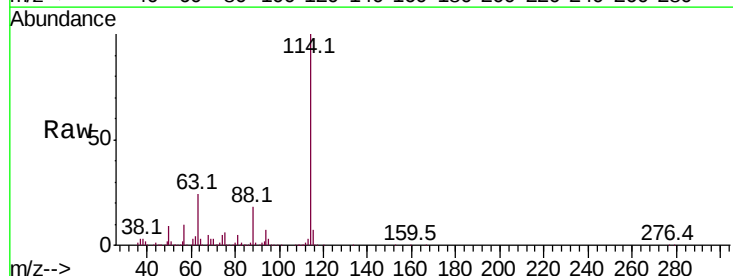
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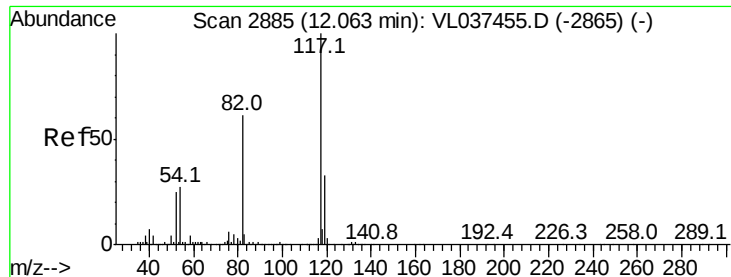
Tot Ion:114 Resp: 4853819
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.3 28.9
 88 17.9 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 7.248 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.42 min
 Lab File: VL037537.D
 Acq: 4 Sep 2021 1:12

Tgt Ion: 63 Resp: 1136434
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.4 78.6#
 62 16.1 53.6 80.4#

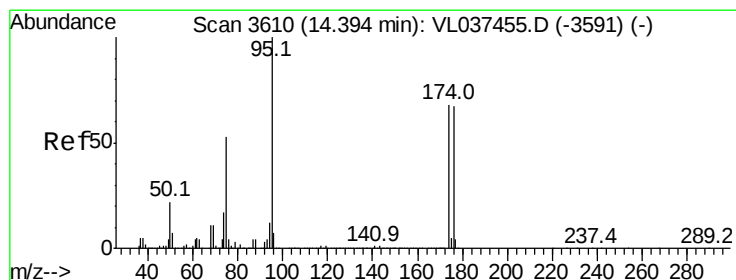
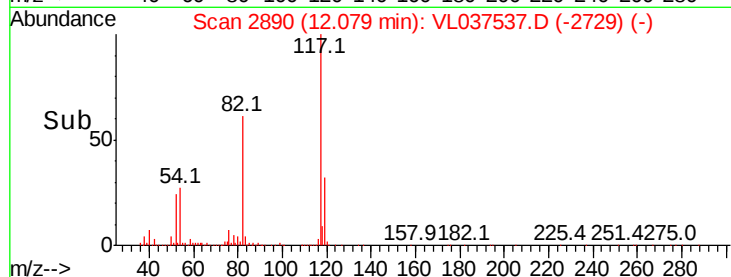
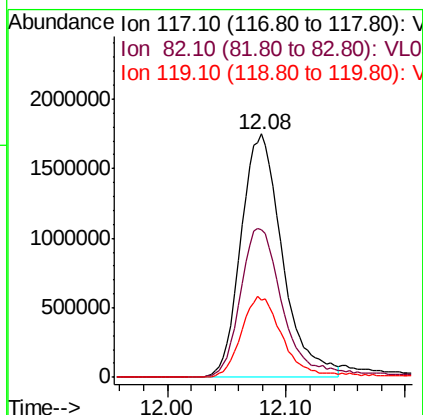
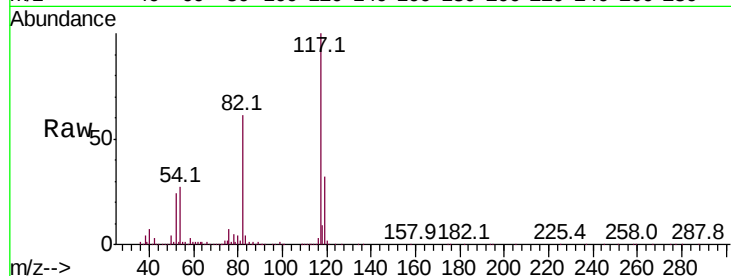




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.02 min
Lab File: VL037537.D
Acq: 4 Sep 2021 1:12

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion:117 Resp: 4211918
Ion Ratio Lower Upper
117 100
82 65.8 52.9 79.3
119 35.3 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.526 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.01 min
Lab File: VL037537.D
Acq: 4 Sep 2021 1:12

Tgt Ion: 95 Resp: 3149739
Ion Ratio Lower Upper
95 100
174 73.6 59.6 89.4
175 5.5 4.6 7.0

