

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037523.D
 Acq On : 3 Sep 2021 16:20
 Operator : SY/AP
 Sample : CAN 10279
 Misc : 400mL/MSVOA L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10279

Quant Time: Sep 04 04:21:55 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	5.66	49	1638236	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4865138	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4157457	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3178443	10.76	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.60%

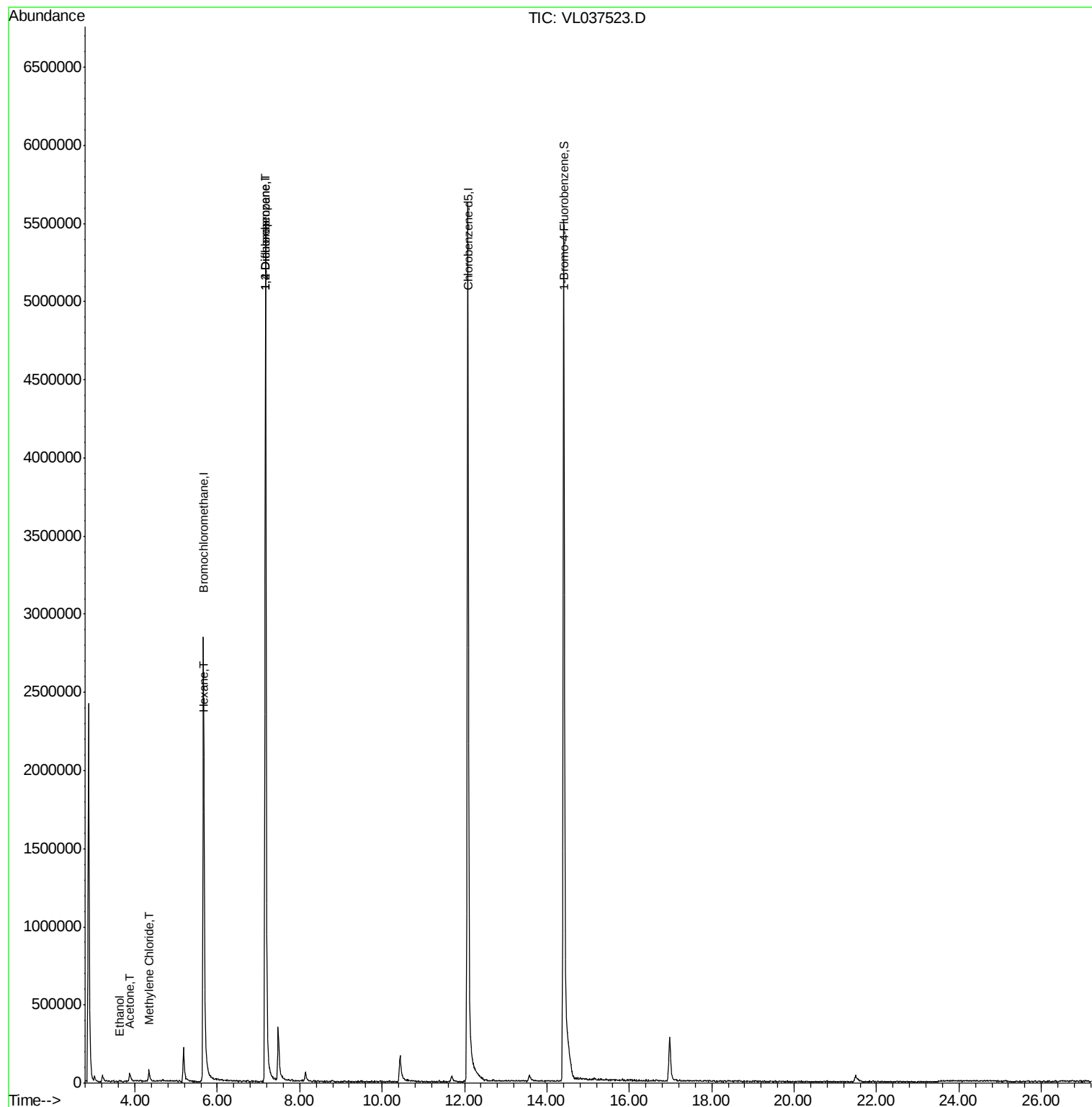
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	681	0.062	ppbv #	39
15) Acetone	3.87	43	29144	0.175	ppbv #	44
20) Methylene Chloride	4.34	84	25250	0.302	ppbv #	78
26) Hexane	5.68	57	11069	0.053	ppbv #	45
39) 1,2-Dichloropropane	7.17	63	1131932	7.203	ppbv #	28

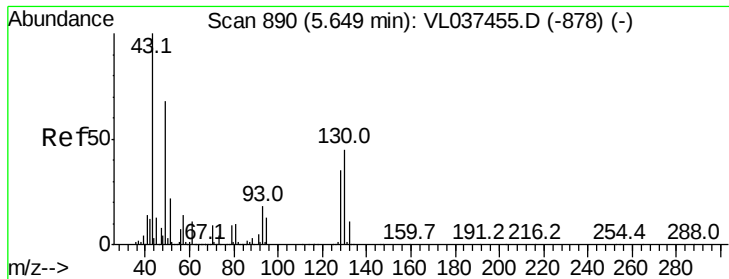
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL037523.D

Acq: 3 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

CAN 10279

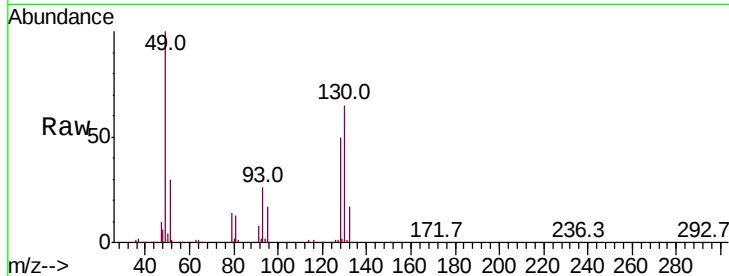
Tot Ion: 49 Resp: 1638236

Ion Ratio Lower Upper

49 100

128 56.2 27.5 82.4

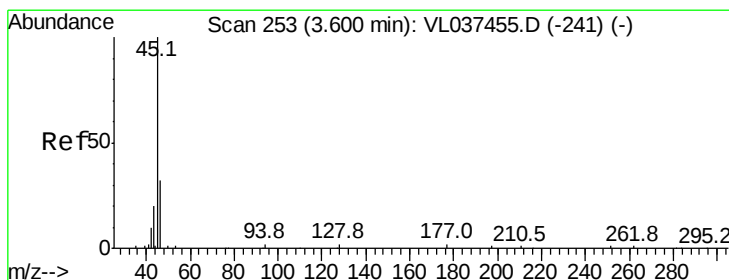
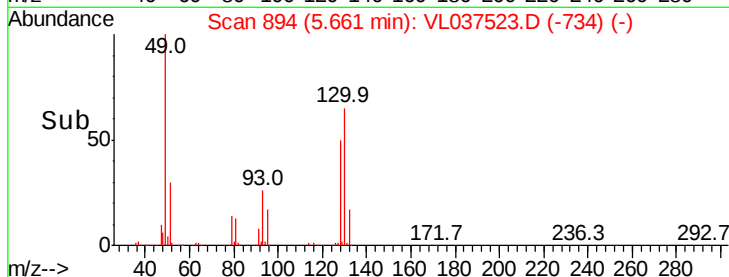
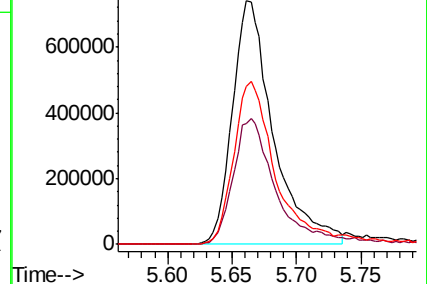
130 72.5 34.0 101.8



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



#13

Ethanol

Concen: 0.062 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL037523.D

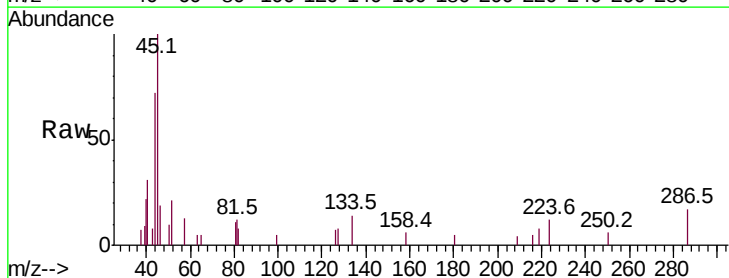
Acq: 3 Sep 2021 16:20

Tgt Ion: 45 Resp: 681

Ion Ratio Lower Upper

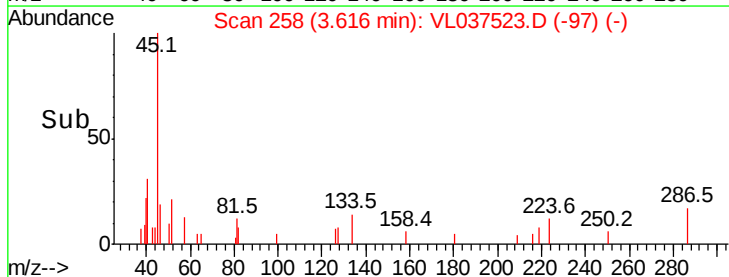
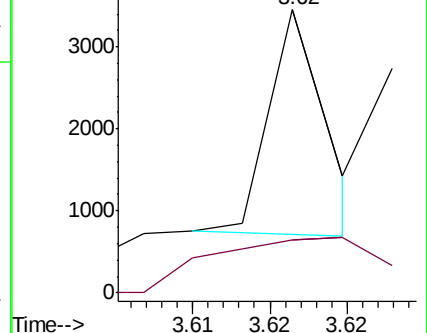
45 100

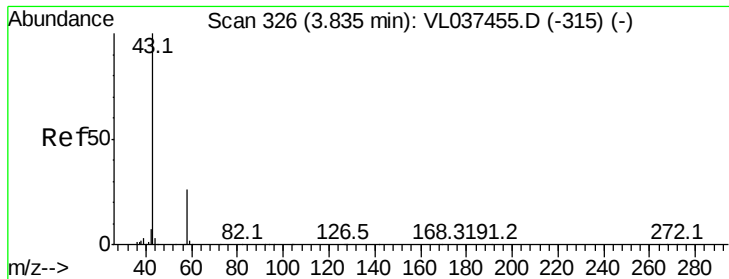
46 0.0 14.1 56.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.175 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.04 min

Lab File: VL037523.D

Acq: 3 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

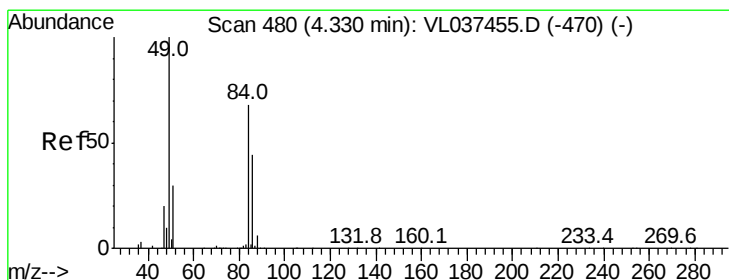
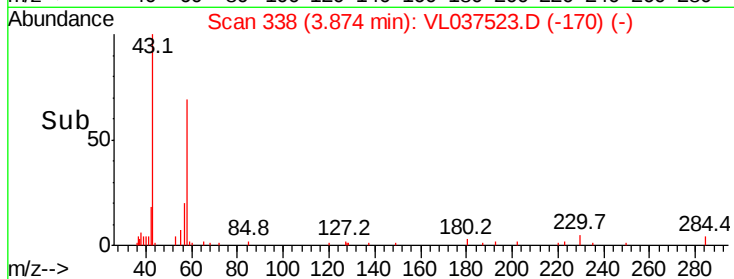
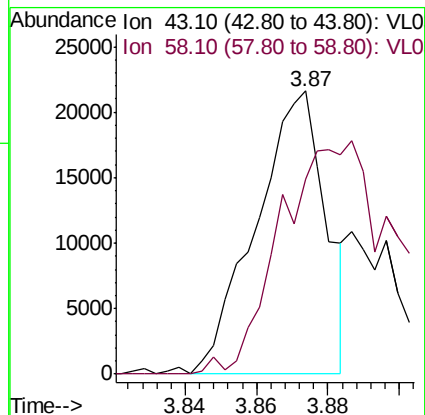
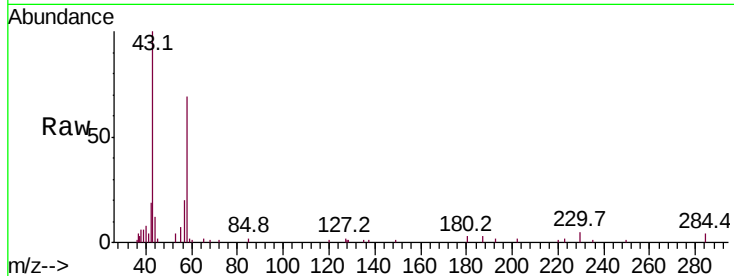
CAN 10279

Tot Ion: 43 Resp: 29144

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#



#20

Methylene Chloride

Concen: 0.302 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037523.D

Acq: 3 Sep 2021 16:20

Tgt Ion: 84 Resp: 25250

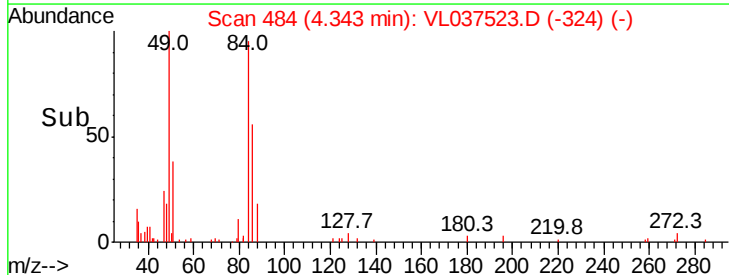
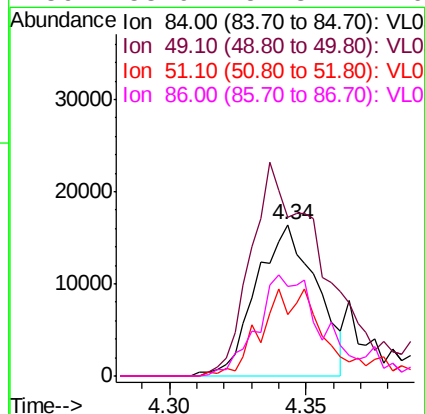
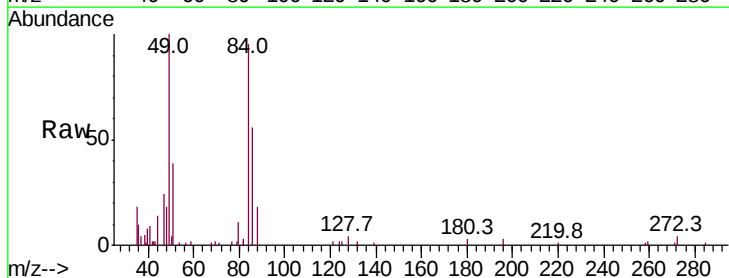
Ion Ratio Lower Upper

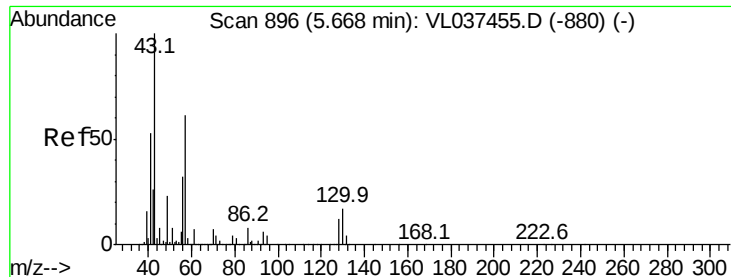
84 100

49 105.5 118.2 177.2#

51 41.1 36.6 55.0

86 58.9 51.8 77.6





#26

Hexane

Concen: 0.053 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.02 min

Lab File: VL037523.D

Acq: 3 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

CAN 10279

Tot Ion: 57 Resp: 11069

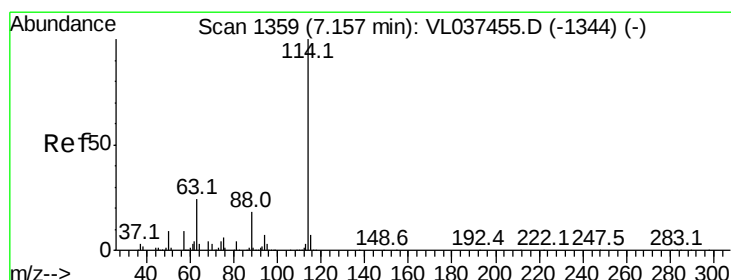
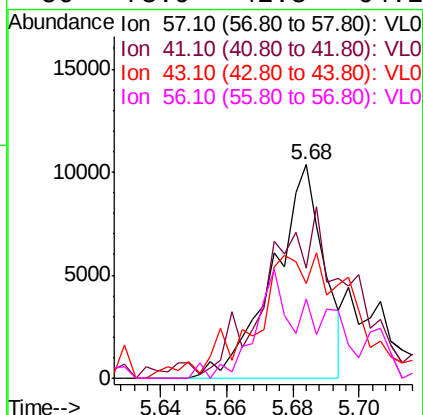
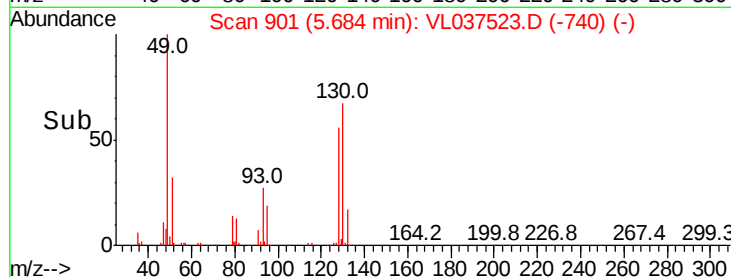
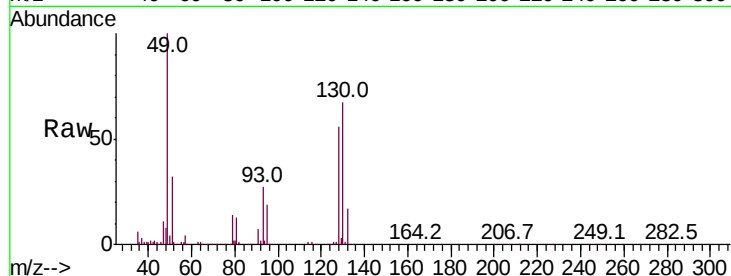
Ion Ratio Lower Upper

57 100

41 139.2 72.3 108.5#

43 115.4 172.3 258.5#

56 73.9 42.8 64.2#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. 0.02 min

Lab File: VL037523.D

Acq: 3 Sep 2021 16:20

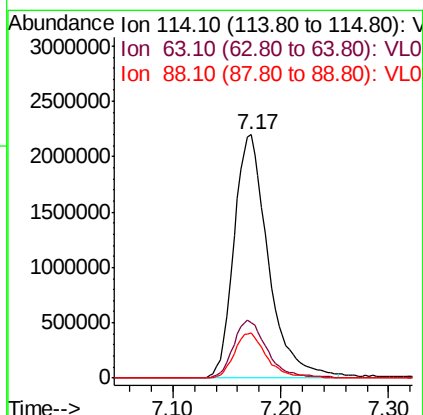
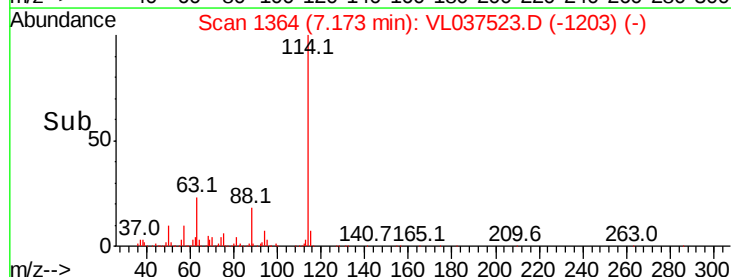
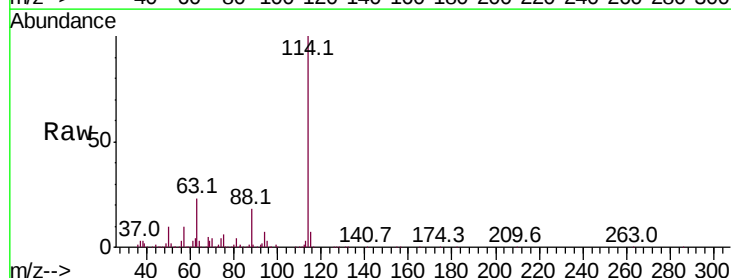
Tgt Ion: 114 Resp: 4865138

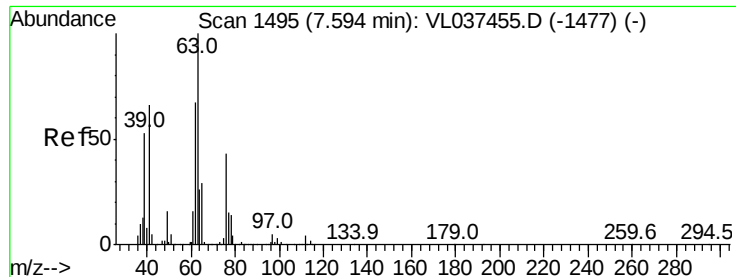
Ion Ratio Lower Upper

114 100

63 24.1 19.3 28.9

88 18.2 14.2 21.4



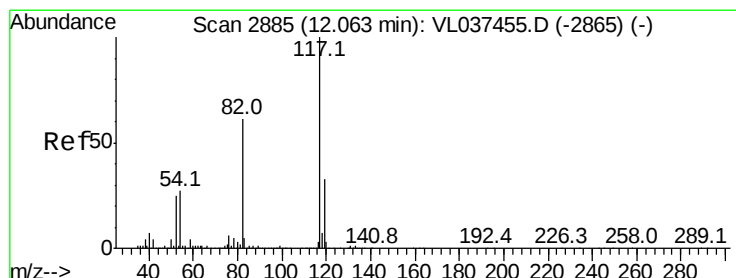
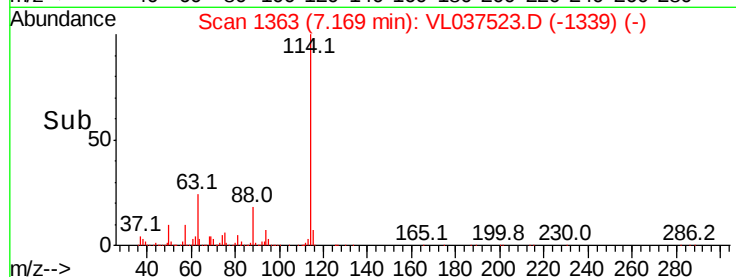
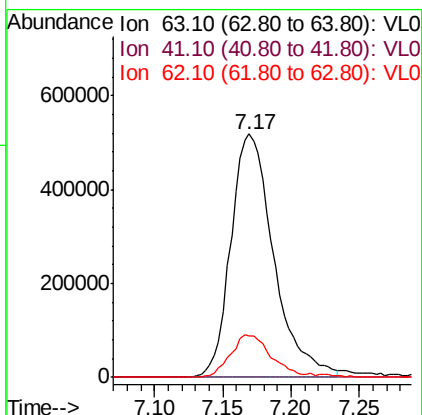
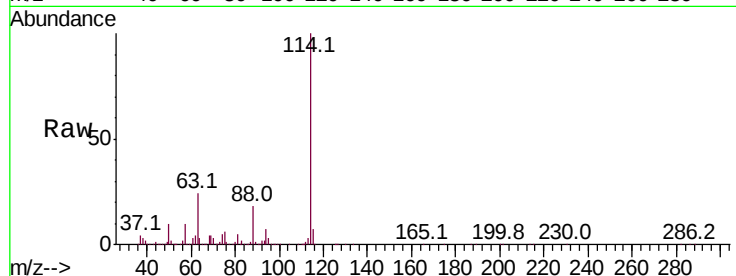


#39
 1,2-Dichloropropane
 Concen: 7.203 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.42 min
 Lab File: VL037523.D
 Acq: 3 Sep 2021 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10279

Tot Ion: 63 Resp: 1131932

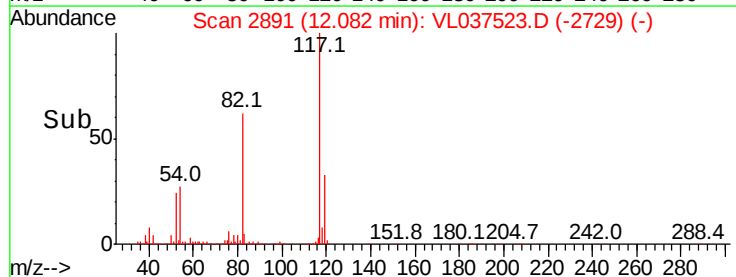
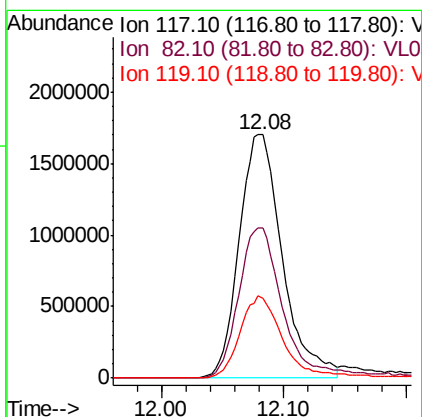
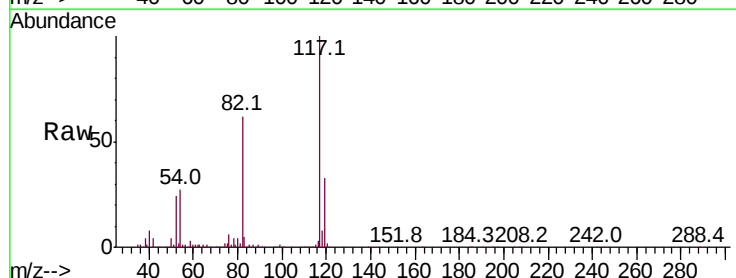
Ion	Ratio	Lower	Upper
63	100		
41	0.1	52.4	78.6#
62	17.1	53.6	80.4#

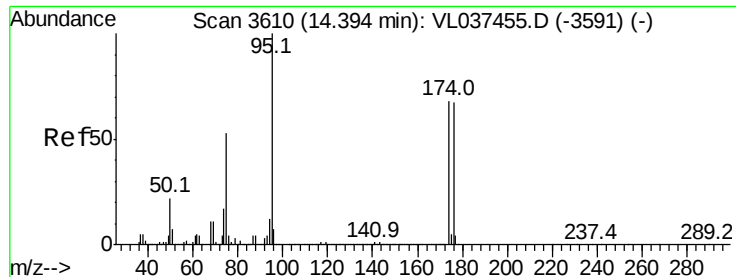


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2891
 Delta R.T. 0.02 min
 Lab File: VL037523.D
 Acq: 3 Sep 2021 16:20

Tgt Ion: 117 Resp: 4157457

Ion	Ratio	Lower	Upper
117	100		
82	66.8	52.9	79.3
119	35.6	24.8	37.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.761 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037523.D

Acq: 3 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

CAN 10279

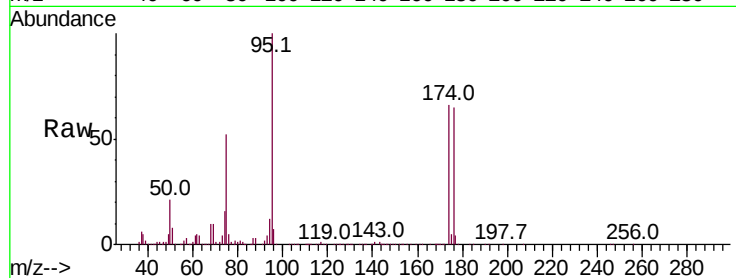
Tot Ion: 95 Resp: 3178443

Ion Ratio Lower Upper

95 100

174 72.6 59.6 89.4

175 5.8 4.6 7.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

