

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038523.D
 Acq On : 3 Mar 2022 21:09
 Operator : SY/AP
 Sample : CAN 10315
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10315

Quant Time: Mar 04 04:34:45 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	833776	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	1846469	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	1629190	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1369187	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

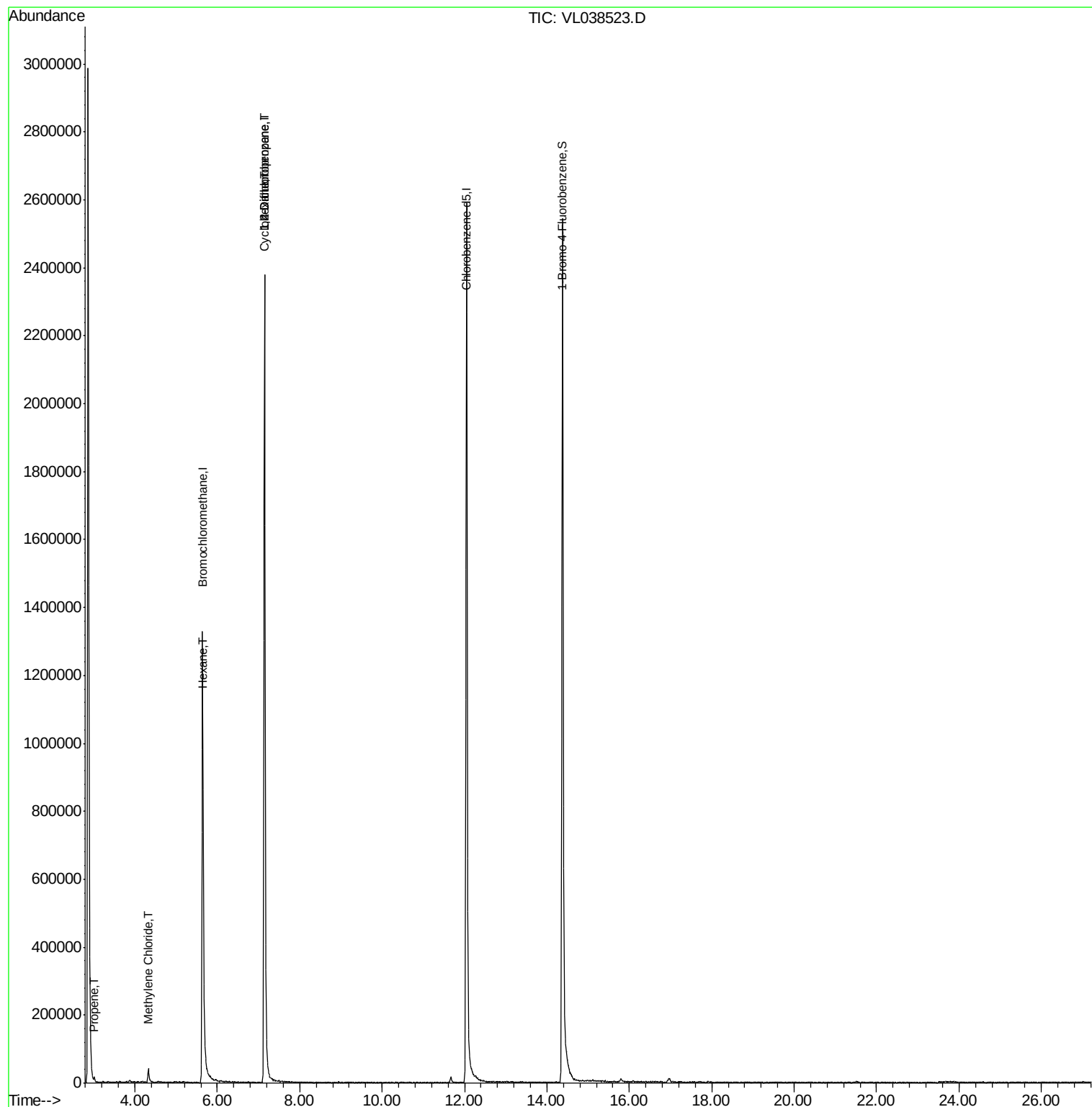
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2533	0.052	ppbv #	67
20) Methylene Chloride	4.32	84	15813	0.450	ppbv #	91
26) Hexane	5.66	57	3686	0.043	ppbv #	27
30) Cyclohexane	7.13	84	2918	0.041	ppbv #	1
39) 1,2-Dichloropropane	7.14	63	519964	8.031	ppbv #	25

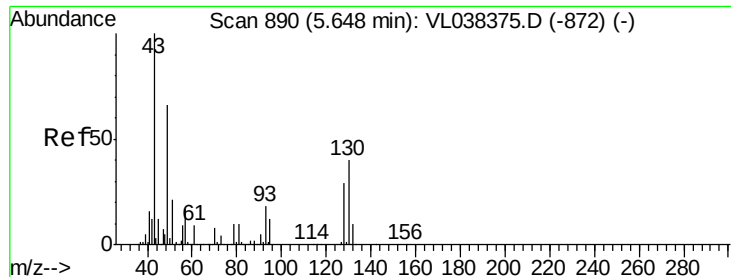
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: CAN 10315

Acq: 3 Mar 2022 21:09

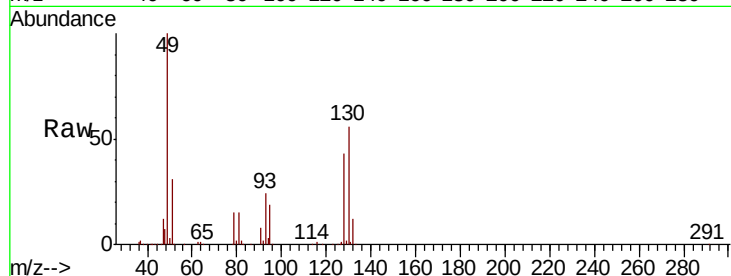
Tot Ion: 49 Resp: 833776

Ion Ratio Lower Upper

49 100

128 43.6 24.3 72.9

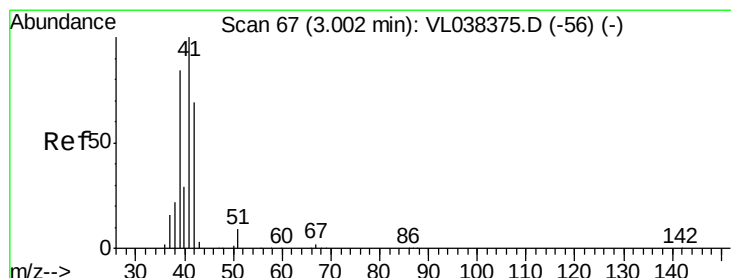
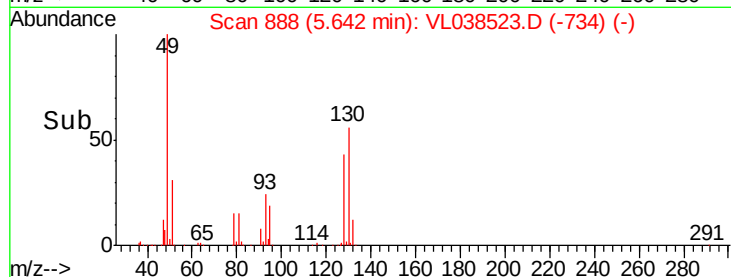
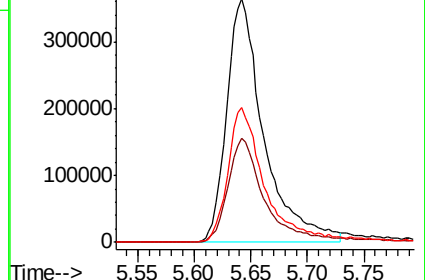
130 56.8 30.1 90.5



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: 0.052 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL038523.D

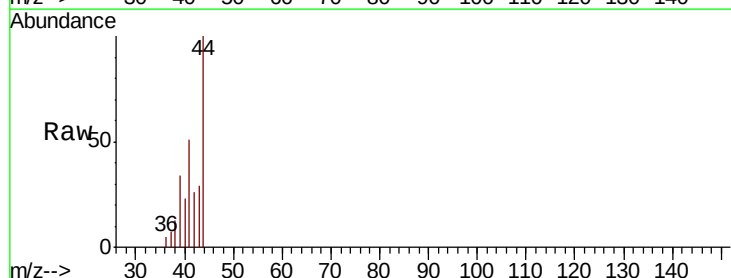
Acq: 3 Mar 2022 21:09

Tgt Ion: 41 Resp: 2533

Ion Ratio Lower Upper

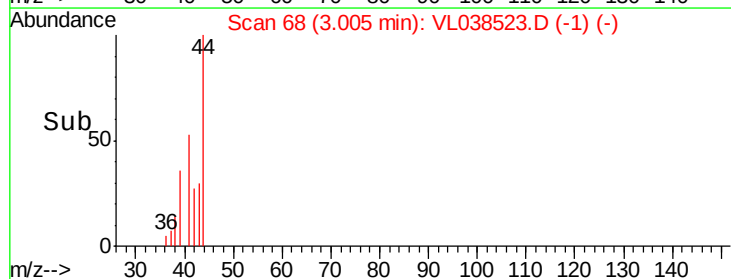
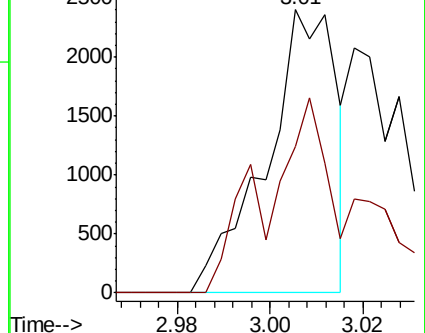
41 100

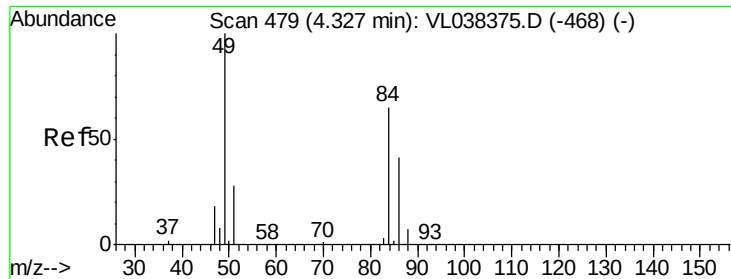
42 94.9 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

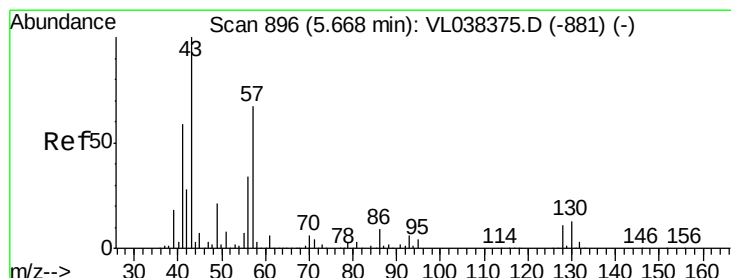
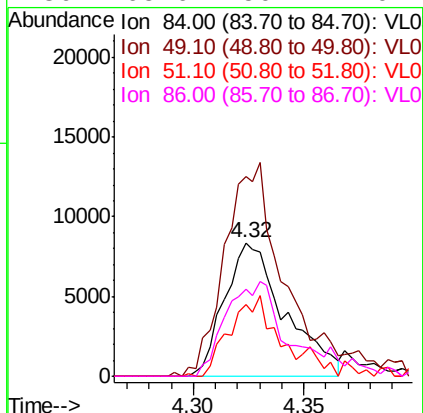
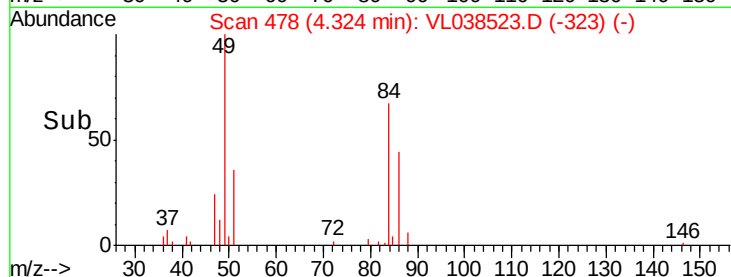
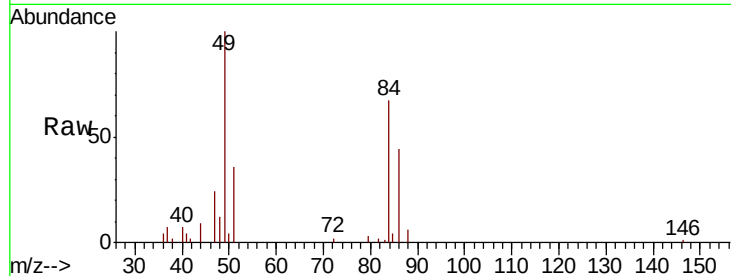
Ion 42.10 (41.80 to 42.80): VL0





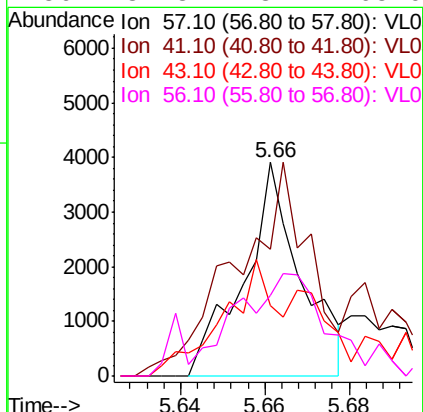
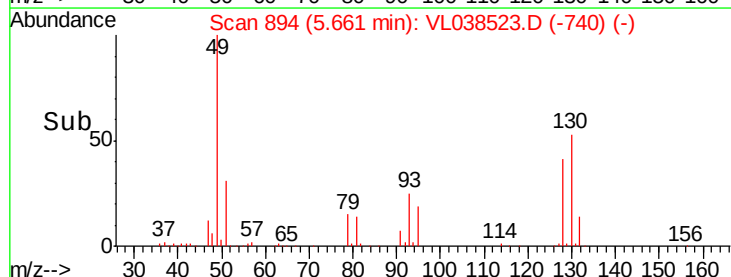
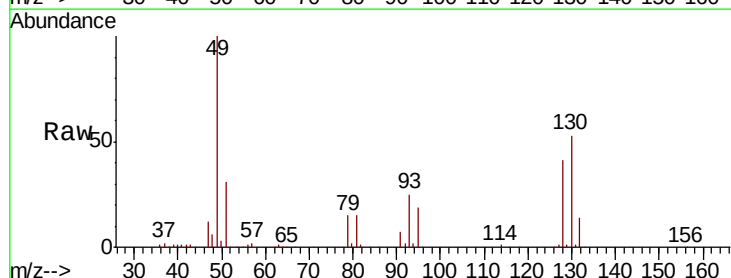
#20
Methvlene Chloride
Concen: 0.450 ppbv
RT: 4.32
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 21:09

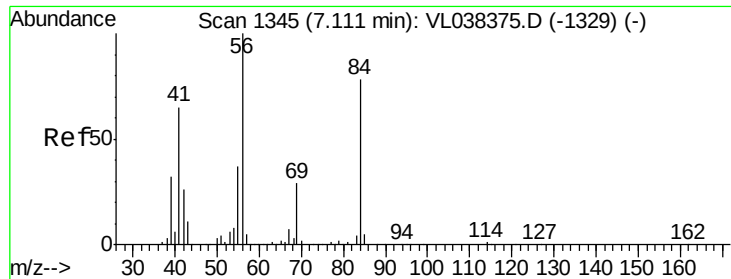
Tot Ion: 84 Resp: 15813
Ion Ratio Lower Upper
84 100
49 142.5 122.4 183.6
51 53.6 33.3 49.9#
86 65.6 50.7 76.1



#26
Hexane
Concen: 0.043 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL038523.D
Acq: 3 Mar 2022 21:09

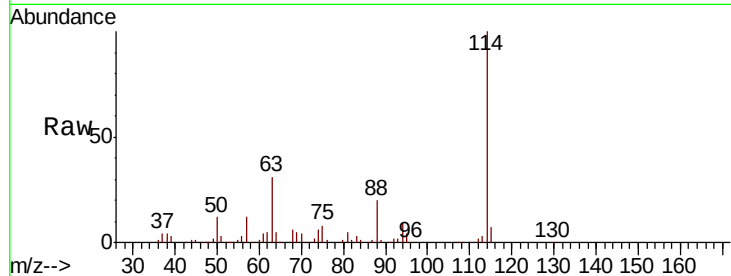
Tgt Ion: 57 Resp: 3686
Ion Ratio Lower Upper
57 100
41 169.7 73.1 109.7#
43 102.6 181.0 271.4#
56 87.3 43.4 65.0#



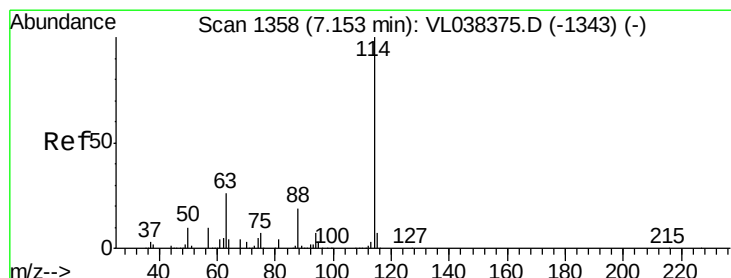
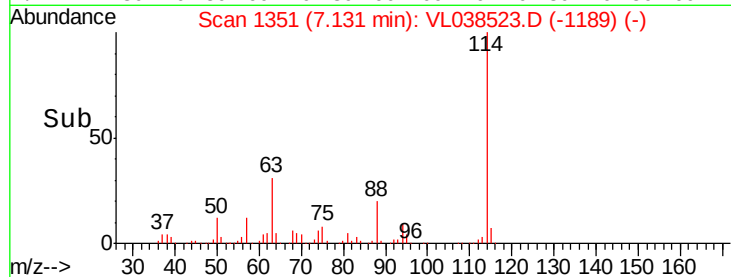
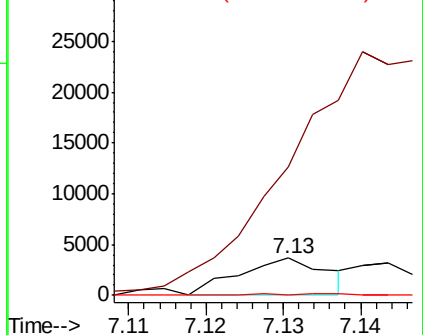


#30
Cyclohexane
Concen: 0.041 ppbv
RT: 7.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 21:09

Tot Ion: 84 Resp: 2918
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 3.6 74.3 111.5#

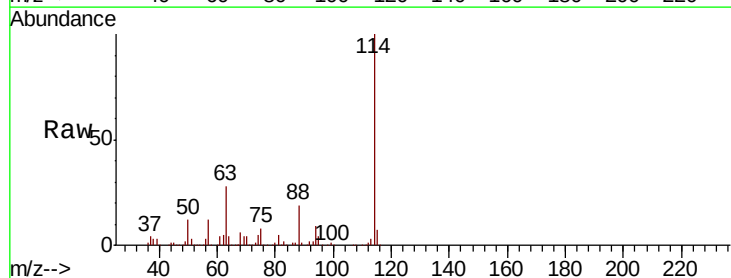


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

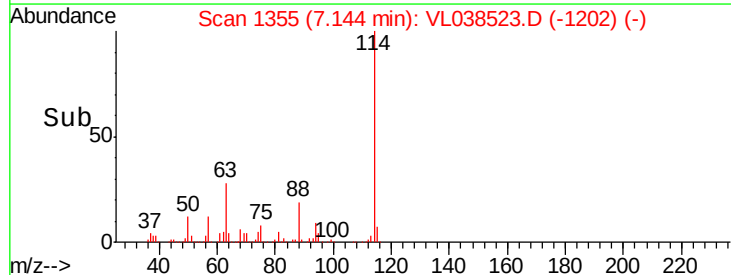
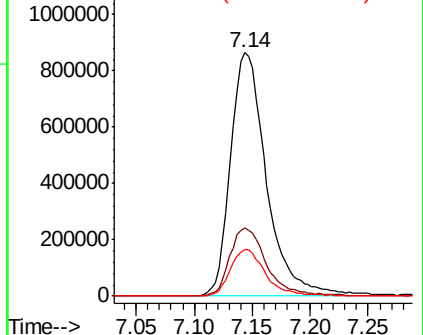


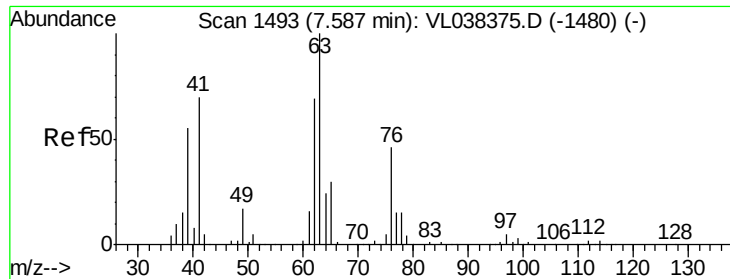
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL038523.D
Acq: 3 Mar 2022 21:09

Tgt Ion: 114 Resp: 1846469
Ion Ratio Lower Upper
114 100
63 29.2 22.2 33.2
88 19.3 15.2 22.8



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.031 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 21:09 CAN 10315

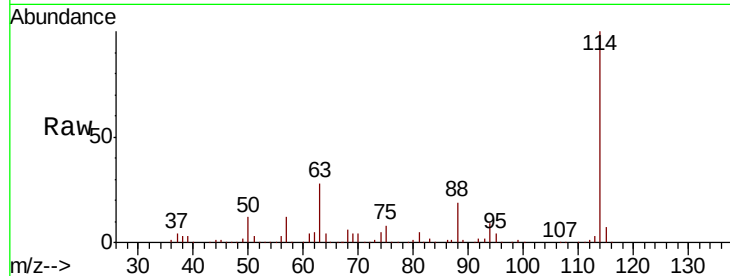
Tot Ion: 63 Resp: 519964

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

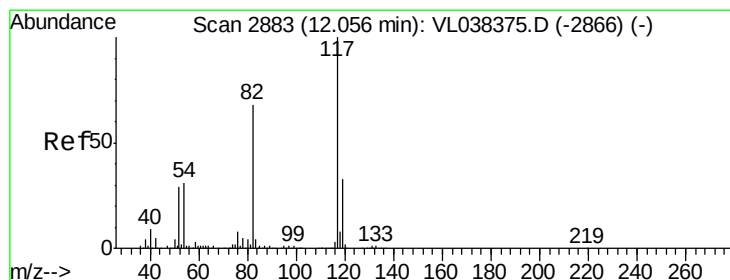
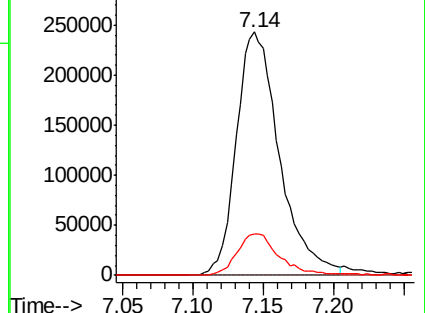
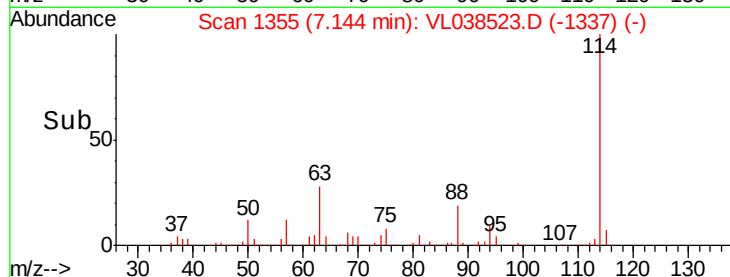
62 16.8 55.5 83.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2881

Delta R.T. -0.01 min

Lab File: VL038523.D

Acq: 3 Mar 2022 21:09

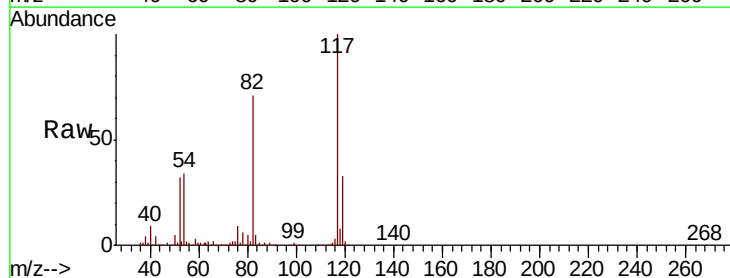
Tgt Ion: 117 Resp: 1629190

Ion Ratio Lower Upper

117 100

82 74.8 54.9 82.3

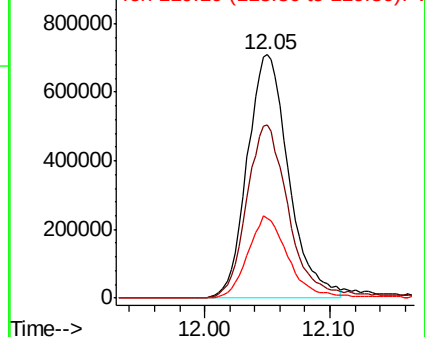
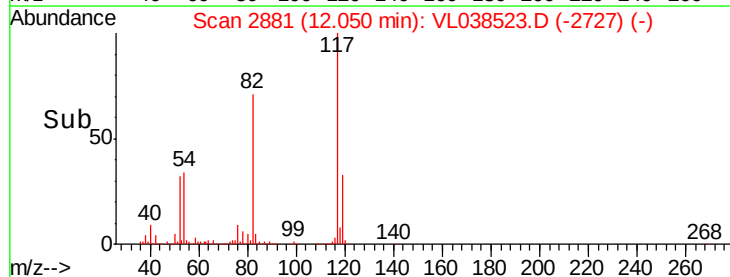
119 33.8 46.1 69.1#

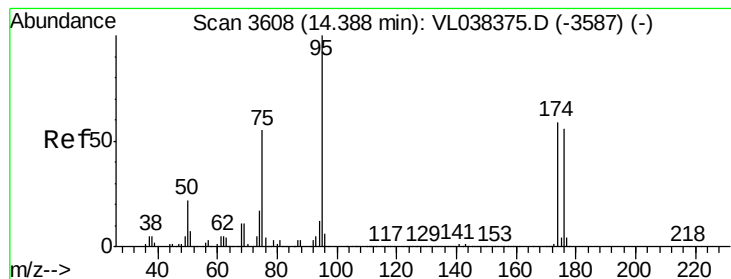


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.157 ppbv

RT: 14.38

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 21:09

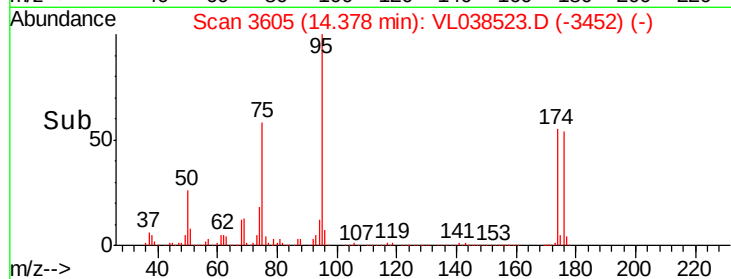
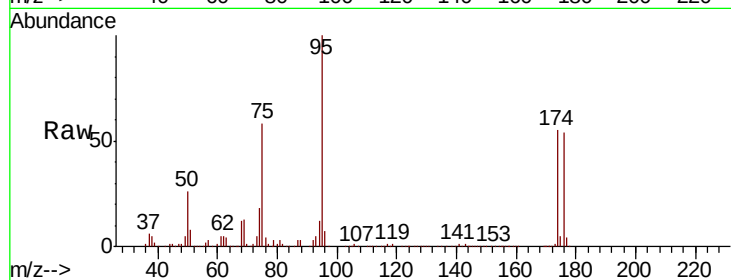
Tot Ion: 95 Resp: 1369187

Ion Ratio Lower Upper

95 100

174 59.2 49.0 73.4

175 4.2 3.6 5.4



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

