

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038527.D
 Acq On : 3 Mar 2022 23:51
 Operator : SY/AP
 Sample : CAN 10285
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10285

Quant Time: Mar 04 04:35:10 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	521422	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	1223576	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.04	117	1048348	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	871139	10.04	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

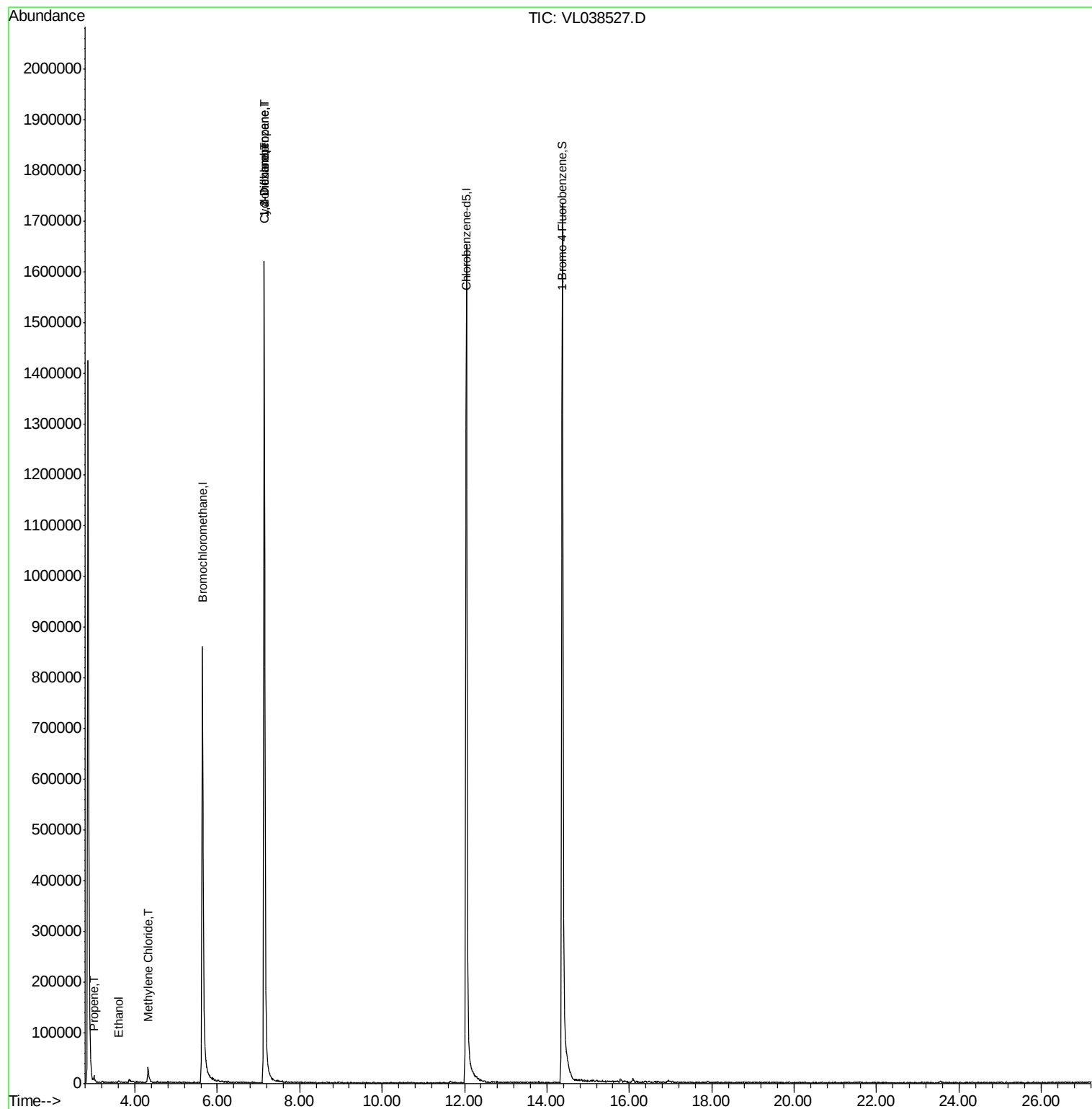
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	1183	0.039	ppbv #	16
13) Ethanol	3.59	45	112	0.037	ppbv #	31
20) Methylene Chloride	4.32	84	11182	0.509	ppbv #	73
30) Cyclohexane	7.13	84	1793	0.041	ppbv #	1
39) 1,2-Dichloropropane	7.14	63	349599	8.148	ppbv #	26

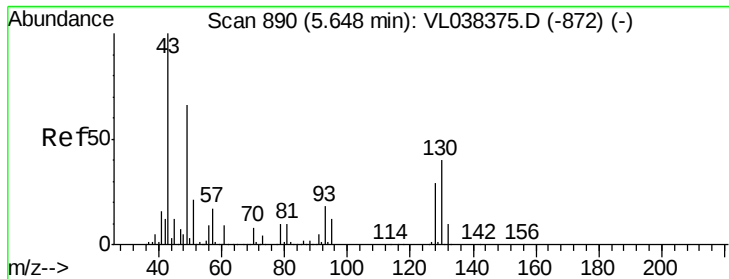
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: CAN 10285

Acq: 3 Mar 2022 23:51

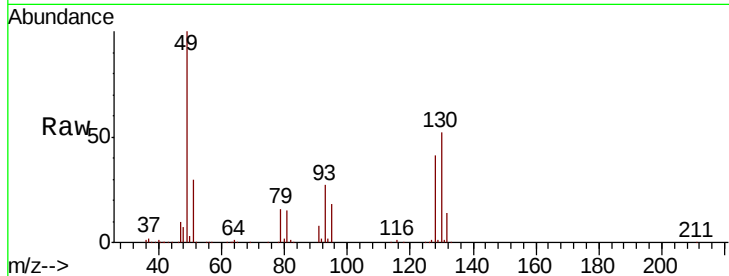
Tot Ion: 49 Resp: 521422

Ion Ratio Lower Upper

49 100

128 45.5 24.3 72.9

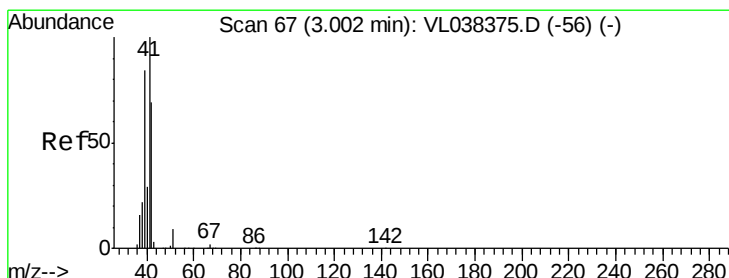
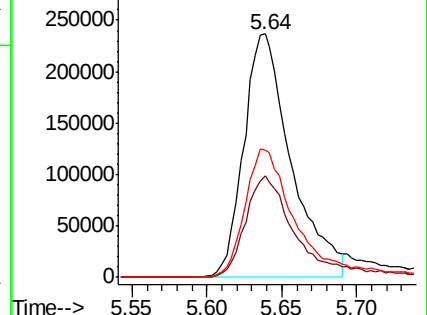
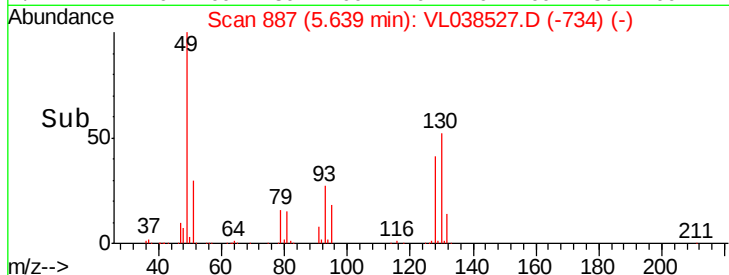
130 60.1 30.1 90.5



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: 0.039 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL038527.D

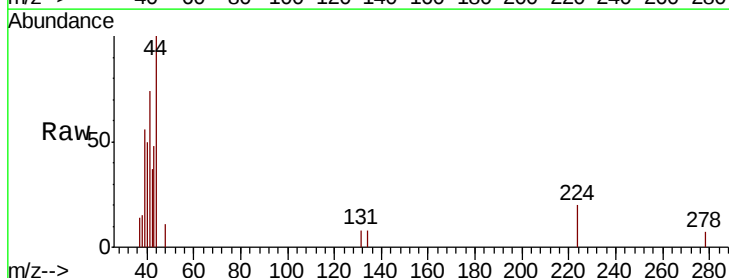
Acq: 3 Mar 2022 23:51

Tgt Ion: 41 Resp: 1183

Ion Ratio Lower Upper

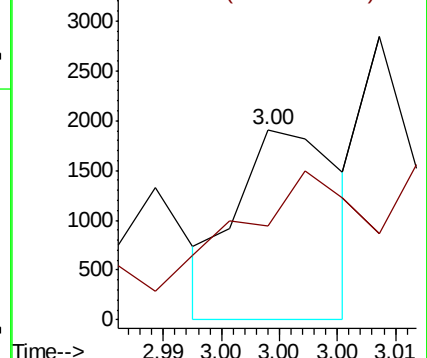
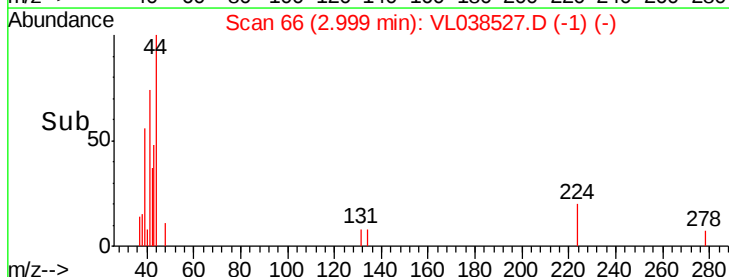
41 100

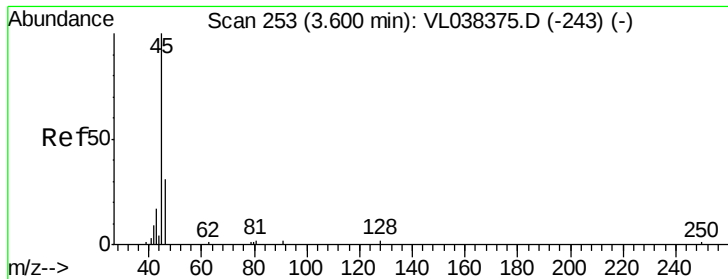
42 0.0 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

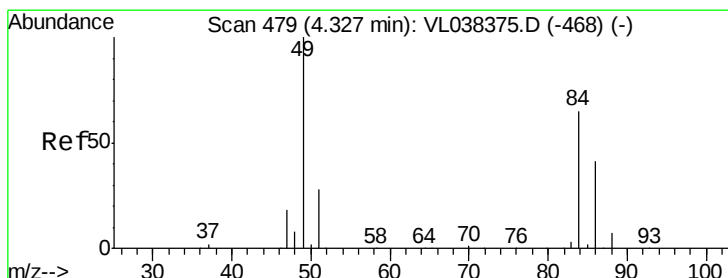
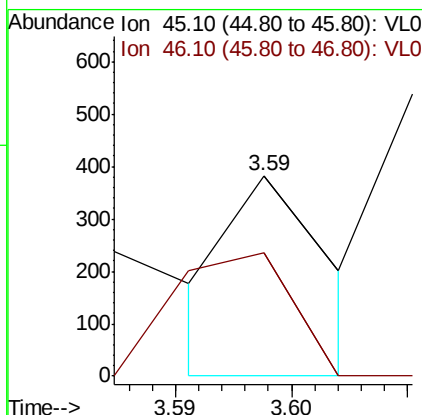
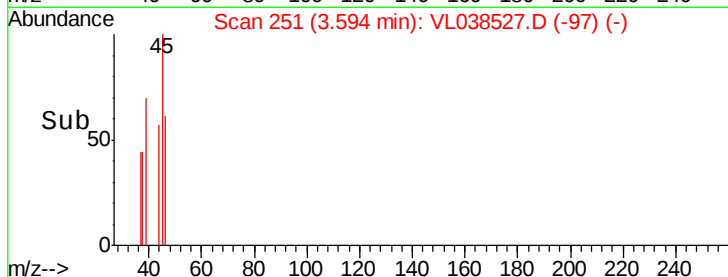
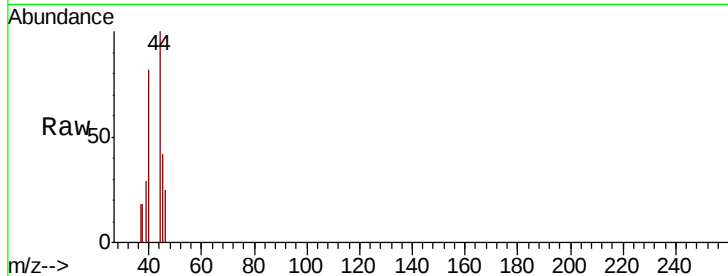
Ion 42.10 (41.80 to 42.80): VL0





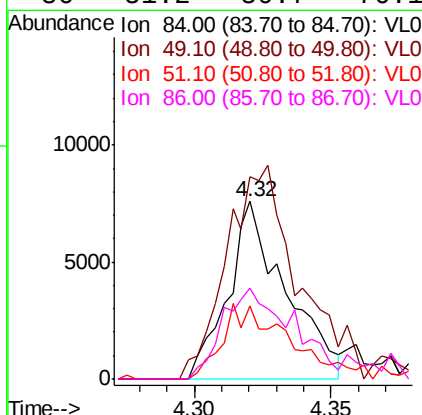
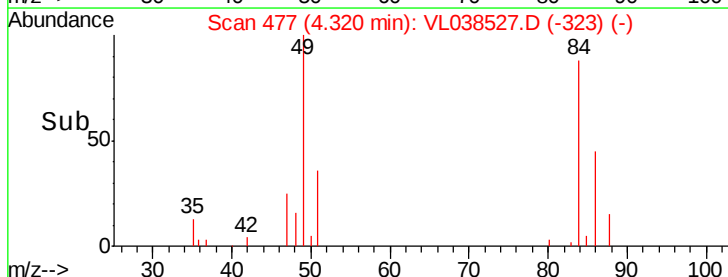
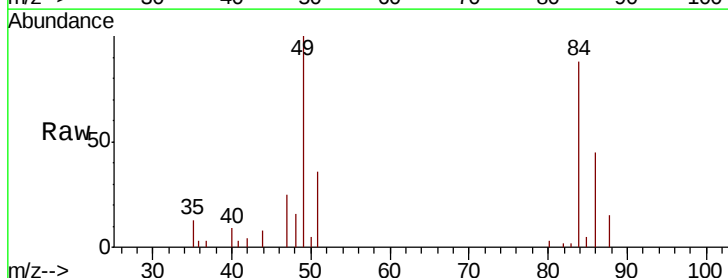
#13
Ethanol
Concen: 0.037 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 23:51

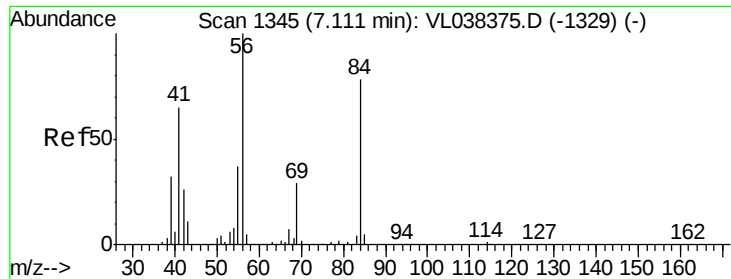
Tot Ion: 45 Resp: 112
Ion Ratio Lower Upper
45 100
46 0.0 18.2 72.8#



#20
Methylene Chloride
Concen: 0.509 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL038527.D
Acq: 3 Mar 2022 23:51

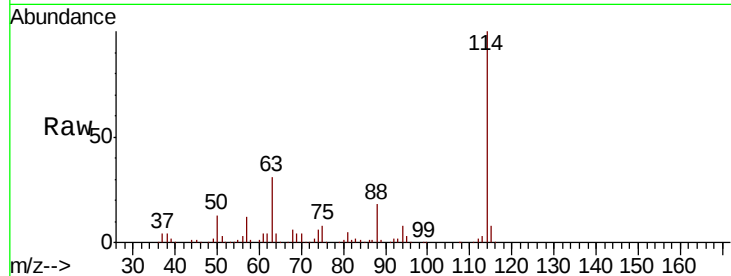
Tgt Ion: 84 Resp: 11182
Ion Ratio Lower Upper
84 100
49 103.3 122.4 183.6#
51 40.7 33.3 49.9
86 51.2 50.7 76.1



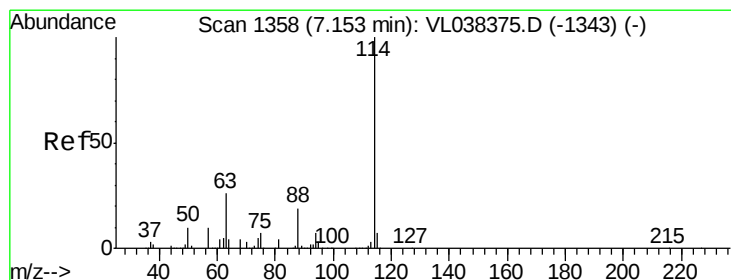
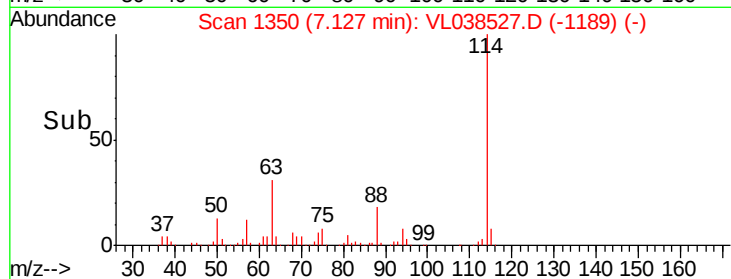
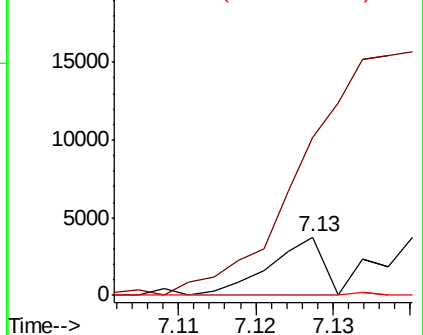


#30
Cvclohexane
Concen: 0.041 ppbv
RT: 7.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 23:51

Tot Ion: 84 Resp: 1793
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 0.0 74.3 111.5#

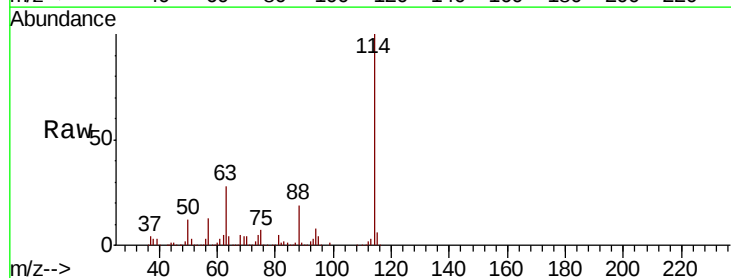


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

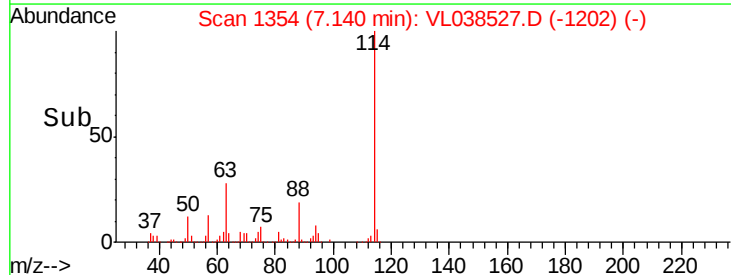
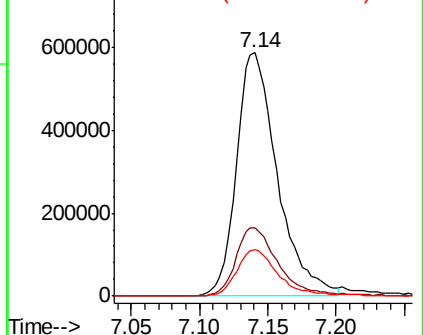


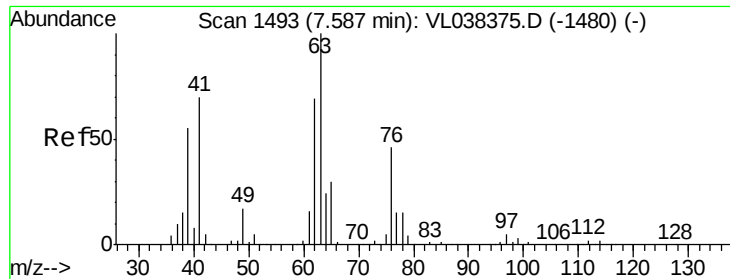
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL038527.D
Acq: 3 Mar 2022 23:51

Tgt Ion: 114 Resp: 1223576
Ion Ratio Lower Upper
114 100
63 29.7 22.2 33.2
88 19.8 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: 8.148 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 23:51 CAN 10285

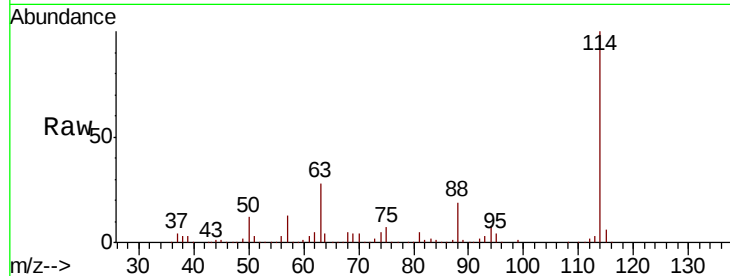
Tot Ion: 63 Resp: 349599

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

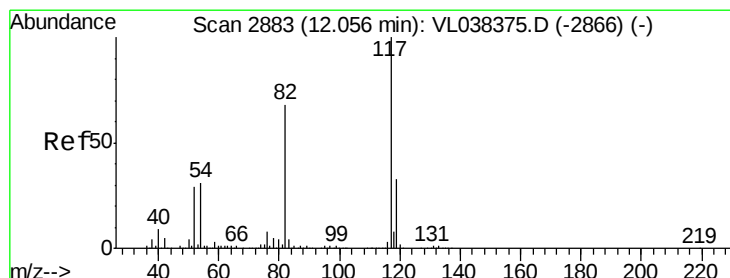
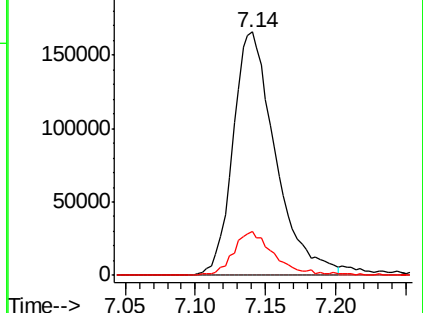
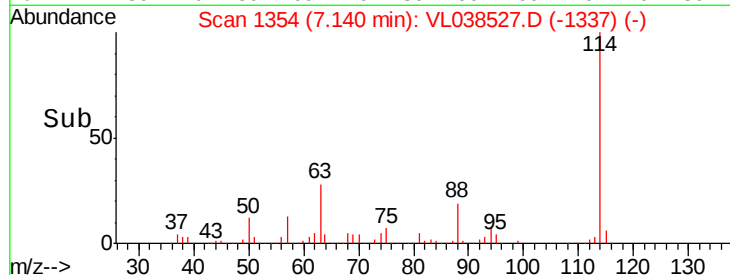
62 18.3 55.5 83.3#



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: 12.04 min Scan# 2878

Delta R.T. -0.02 min

Lab File: VL038527.D

Acq: 3 Mar 2022 23:51

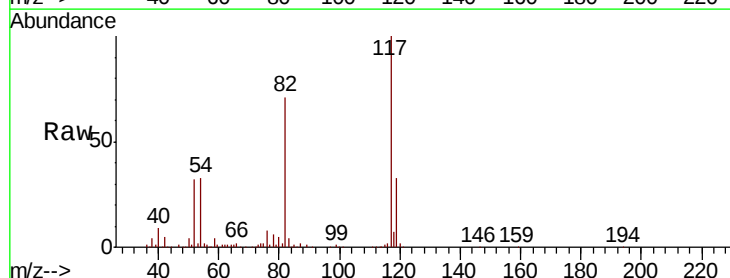
Tgt Ion: 117 Resp: 1048348

Ion Ratio Lower Upper

117 100

82 75.7 54.9 82.3

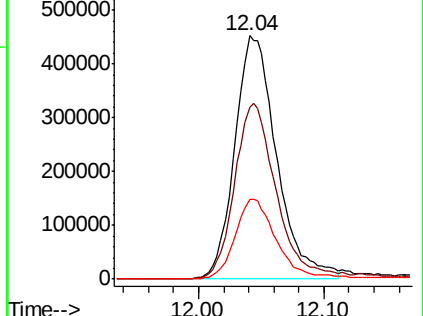
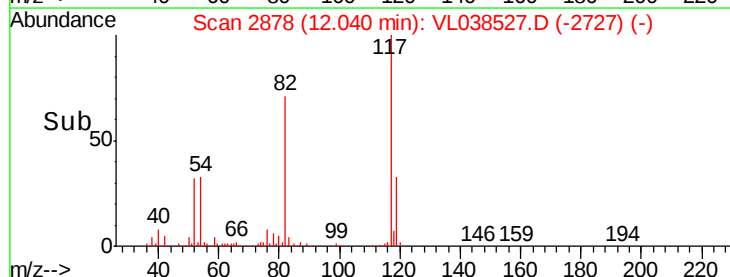
119 34.0 46.1 69.1#

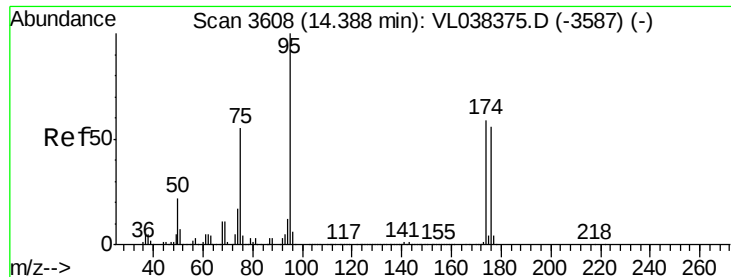


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.043 ppbv

RT: 14.37 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 23:51

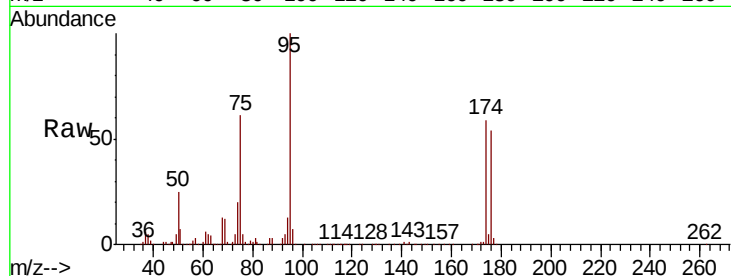
Tot Ion: 95 Resp: 871139

Ion Ratio Lower Upper

95 100

174 63.0 49.0 73.4

175 4.8 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

