

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038525.D
 Acq On : 3 Mar 2022 22:30
 Operator : SY/AP
 Sample : CAN 10054
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 04:34:58 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	507772	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	1157055	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	837993	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	654083	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

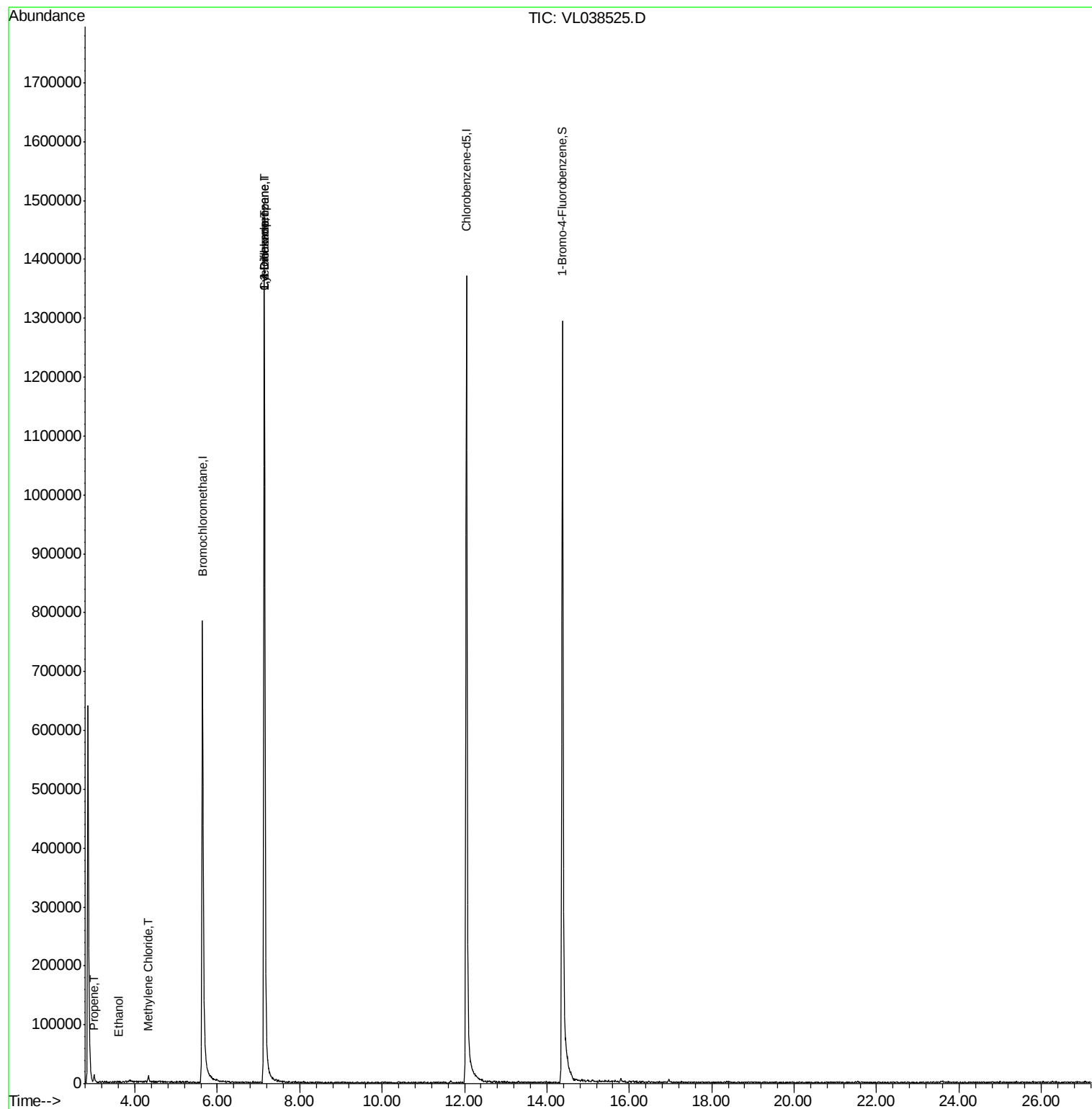
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2123	0.072	ppbv #	36
13) Ethanol	3.60	45	162	0.055	ppbv #	31
20) Methylene Chloride	4.32	84	2436	0.114	ppbv #	54
30) Cyclohexane	7.12	84	2297	0.053	ppbv #	1
39) 1,2-Dichloropropane	7.14	63	322202	7.941	ppbv #	26

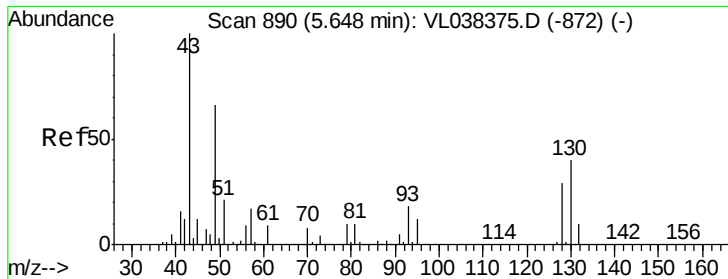
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 22:30

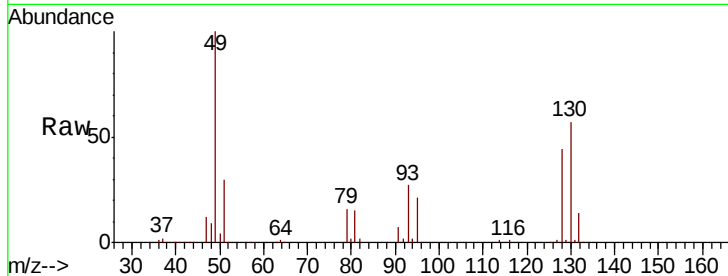
Tot Ion: 49 Resp: 507772

Ion Ratio Lower Upper

49 100

128 43.8 24.3 72.9

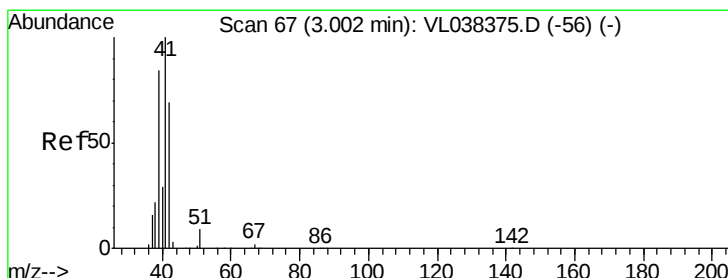
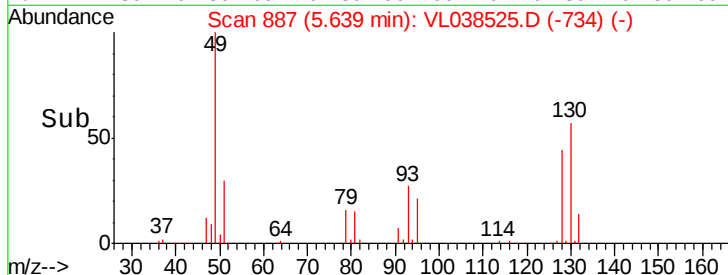
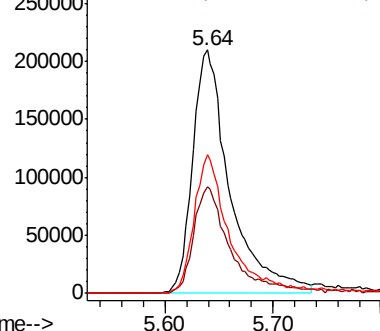
130 55.8 30.1 90.5



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: 0.072 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL038525.D

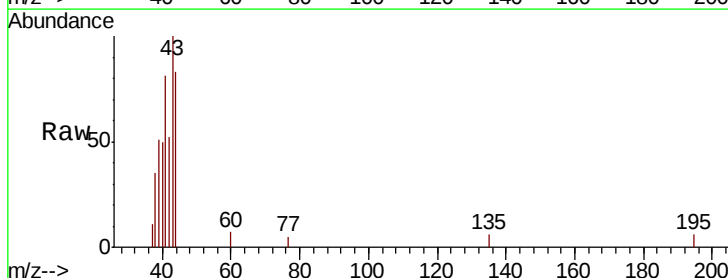
Acq: 3 Mar 2022 22:30

Tgt Ion: 41 Resp: 2123

Ion Ratio Lower Upper

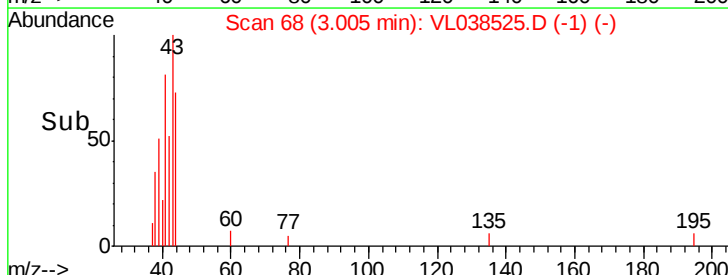
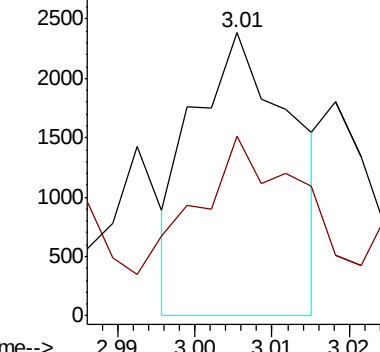
41 100

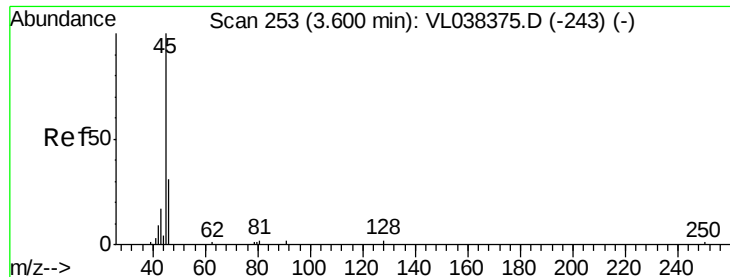
42 120.3 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

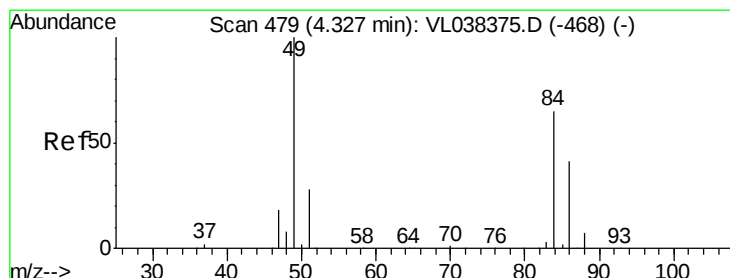
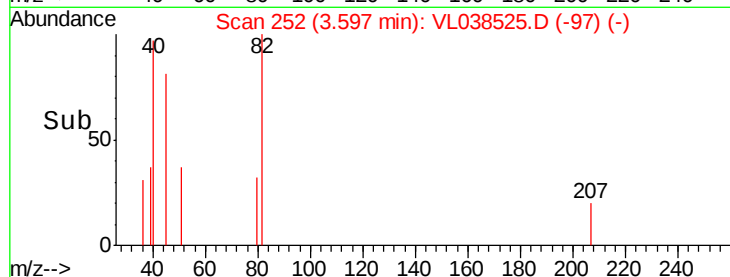
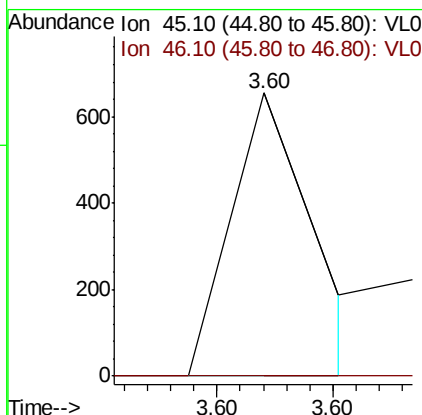
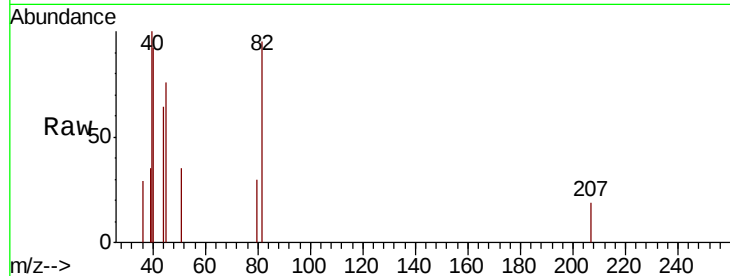
Ion 42.10 (41.80 to 42.80): VL0





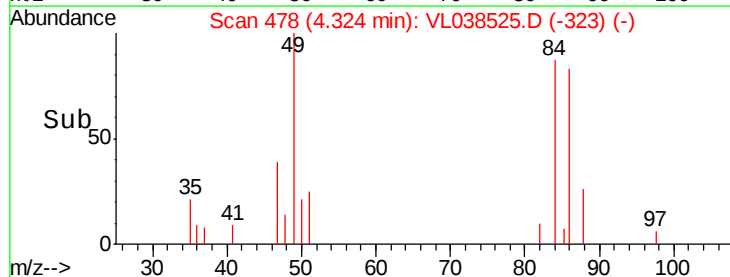
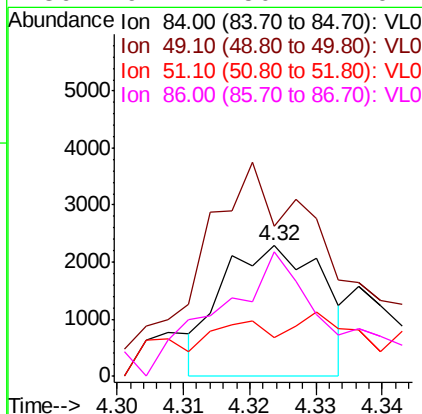
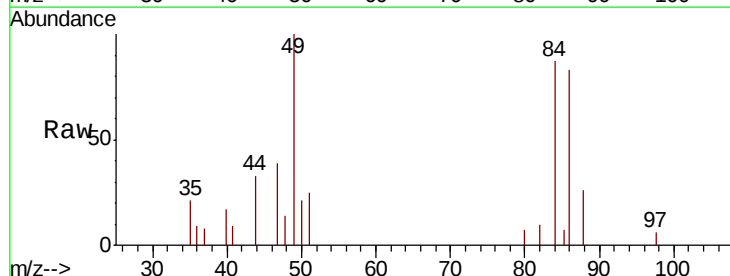
#13
Ethanol
Concen: 0.055 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 3 Mar 2022 22:30

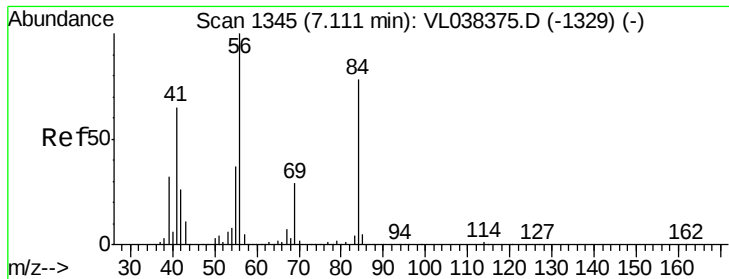
Tot Ion: 45 Resp: 162
Ion Ratio Lower Upper
45 100
46 0.0 18.2 72.8#



#20
Methylene Chloride
Concen: 0.114 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL038525.D
Acq: 3 Mar 2022 22:30

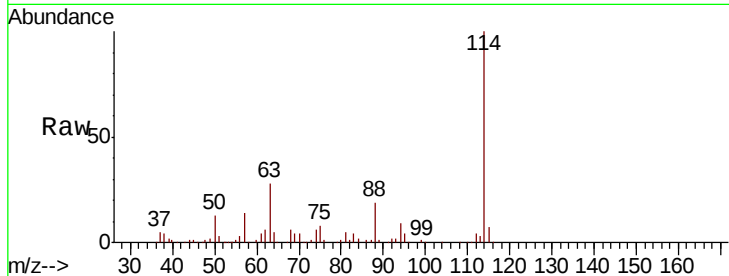
Tgt Ion: 84 Resp: 2436
Ion Ratio Lower Upper
84 100
49 88.7 122.4 183.6#
51 15.5 33.3 49.9#
86 94.7 50.7 76.1#





#30
Cvclohexane
Concen: 0.053 ppbv
RT: 7.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 3 Mar 2022 22:30

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

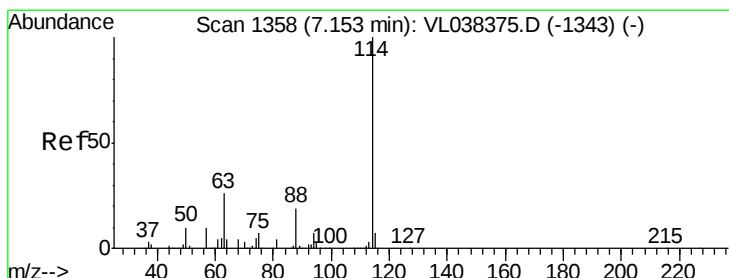
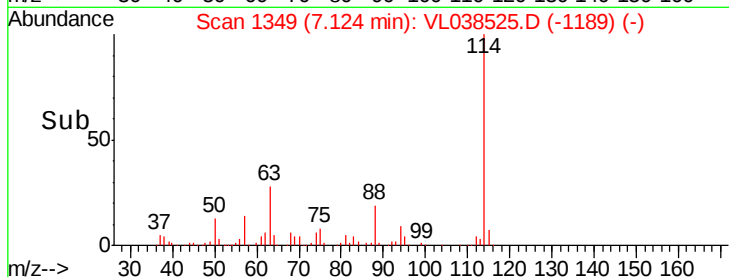
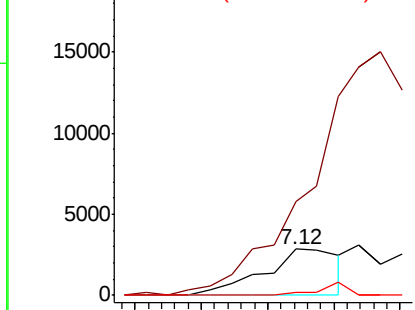


Abundance

Ion 84.20 (83.90 to 84.90): VL0

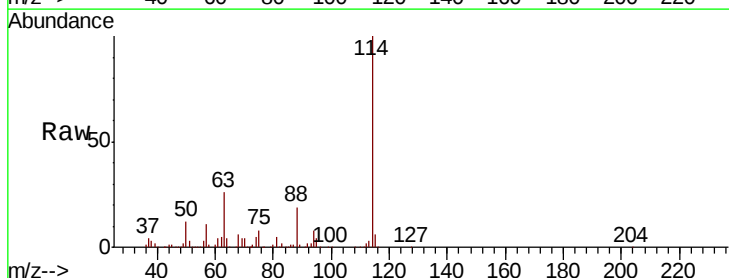
Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL038525.D
Acq: 3 Mar 2022 22:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.2	33.2
88	19.5	15.2	22.8

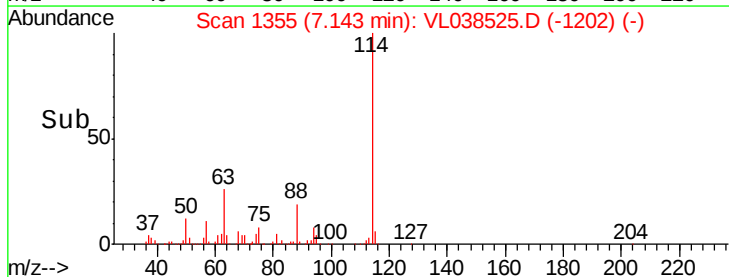
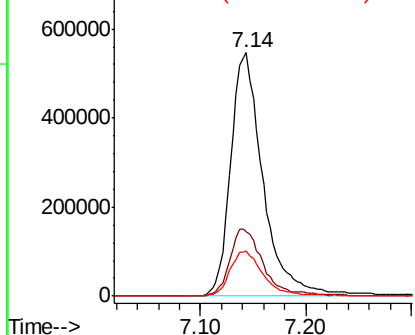


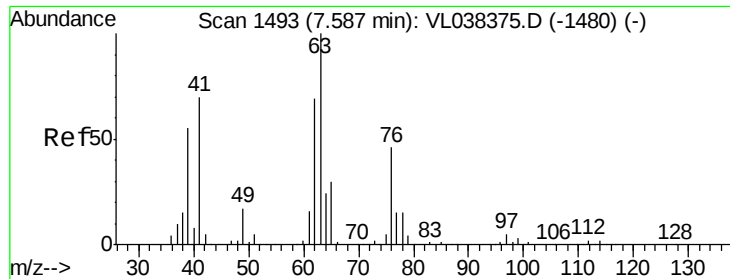
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

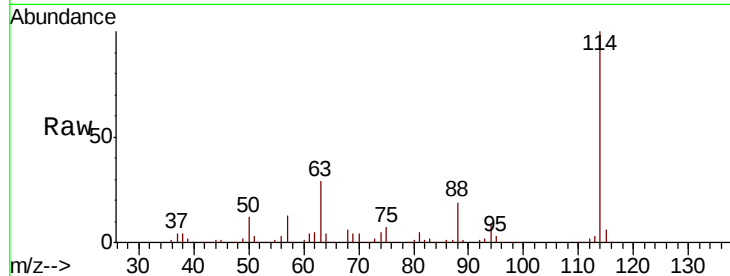
Ion 88.10 (87.80 to 88.80): VL0





#39
 1,2-Dichloropropane
 Concen: 7.941 ppbv
 RT: 7.14
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 22:30

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	17.5	55.5	83.3#

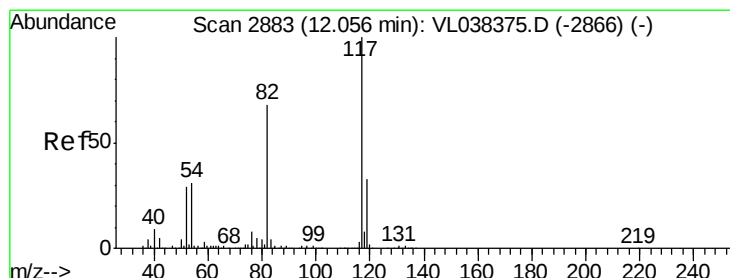
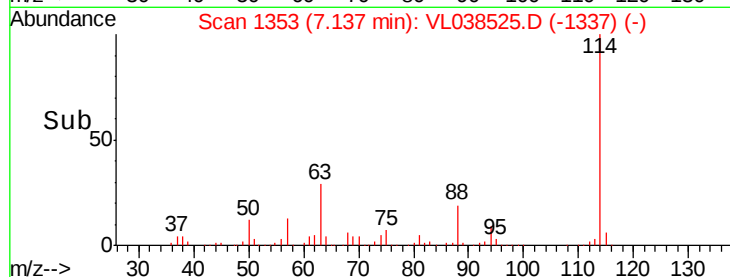
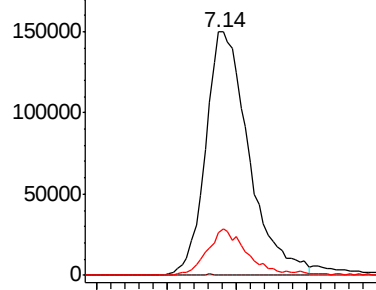


Abundance

Ion 63.10 (62.80 to 63.80): VL0

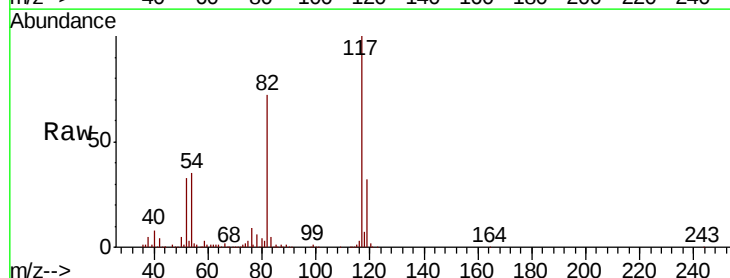
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.05 min Scan# 2880
 Delta R.T. -0.01 min
 Lab File: VL038525.D
 Acq: 3 Mar 2022 22:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	78.6	54.9	82.3
119	35.4	46.1	69.1#

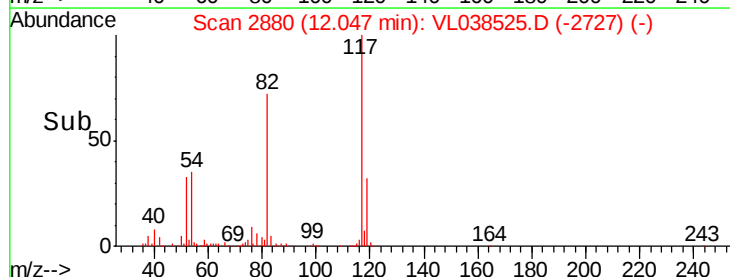
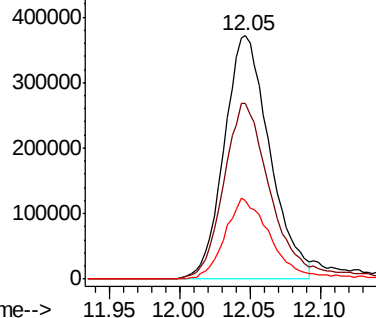


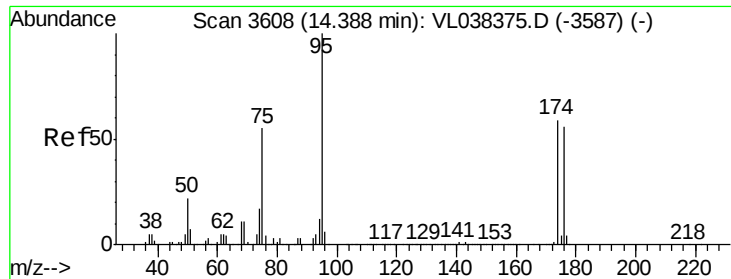
Abundance

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: 9.433 ppbv

RT: 14.38

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 22:30

Tot Ion: 95 Resp: 654083

Ion Ratio Lower Upper

95 100

174 63.2 49.0 73.4

175 4.0 3.6 5.4

