

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039036.D
 Acq On : 13 May 2022 13:43
 Operator : SY/AP
 Sample : VL0513ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0513ABL02

Quant Time: May 14 00:51:36 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	899196	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2345562	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1928121	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1449331	9.49	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

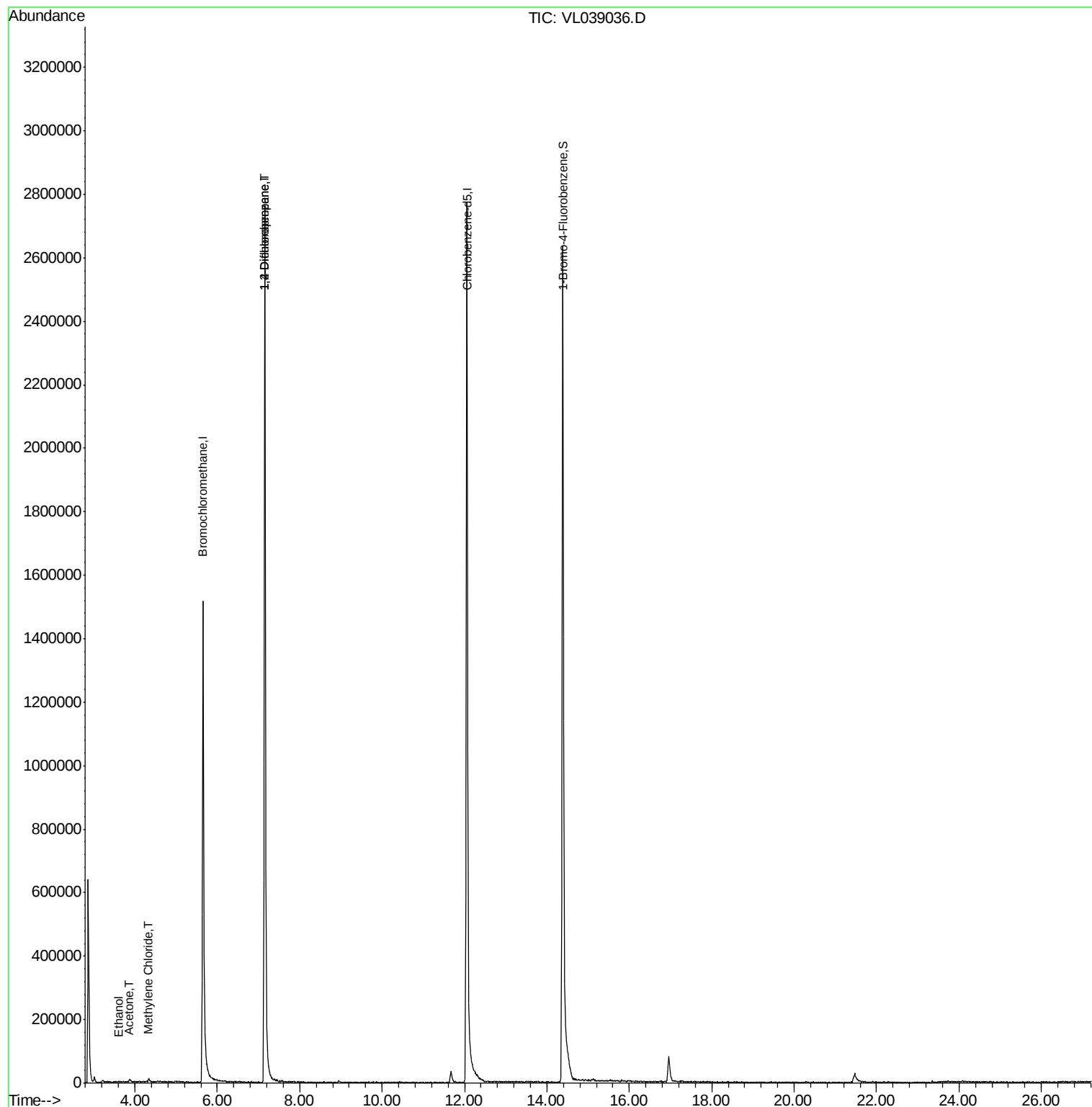
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	219	0.064	ppbv #	31
15) Acetone	3.87	43	5692	0.067	ppbv #	49
20) Methylene Chloride	4.33	84	1415	0.044	ppbv #	52
39) 1,2-Dichloropropane	7.15	63	609191	7.800	ppbv #	27

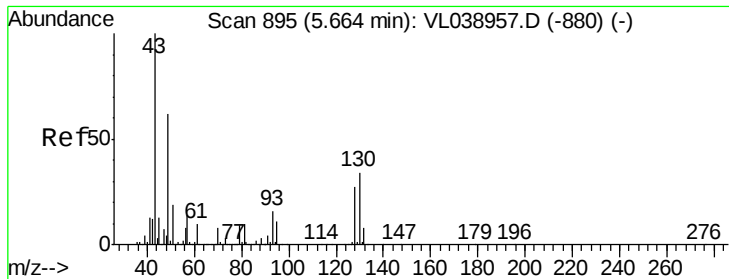
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0513ABL02

Acq: 13 May 2022 13:43

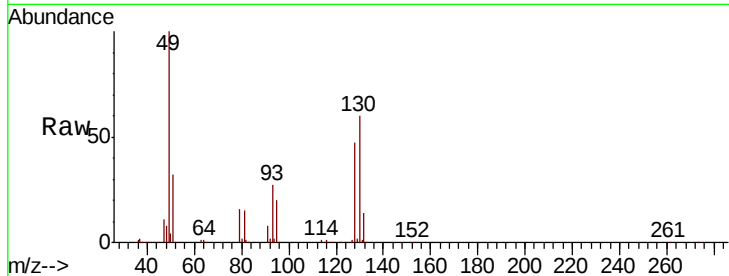
Tot Ion: 49 Resp: 899196

Ion Ratio Lower Upper

49 100

128 49.7 23.3 69.8

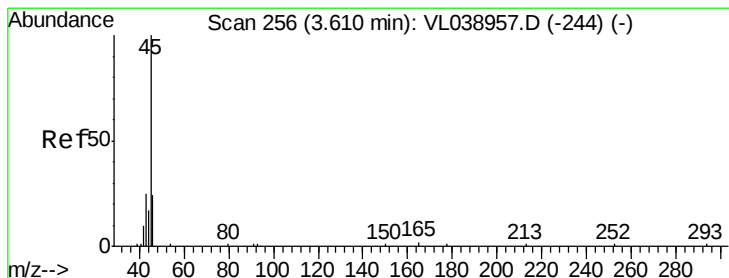
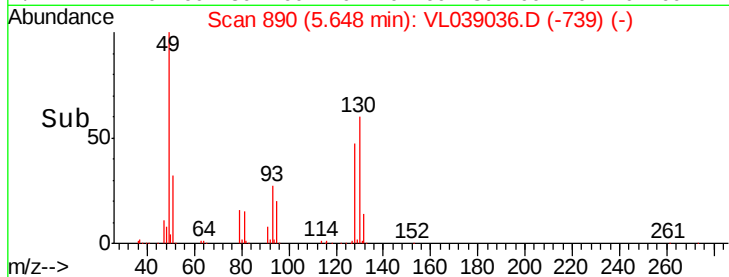
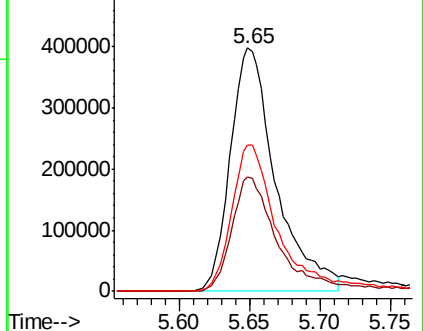
130 64.7 29.8 89.3



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: 0.064 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL039036.D

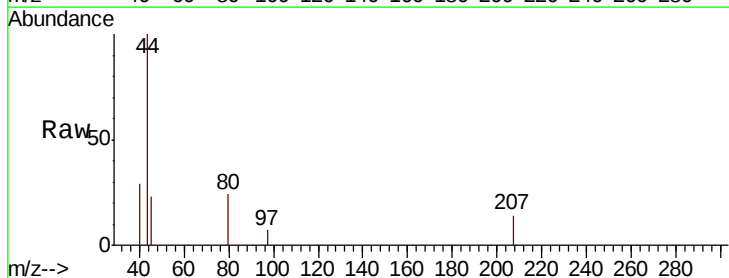
Acq: 13 May 2022 13:43

Tgt Ion: 45 Resp: 219

Ion Ratio Lower Upper

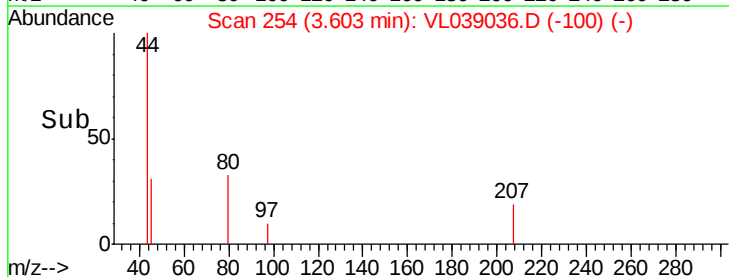
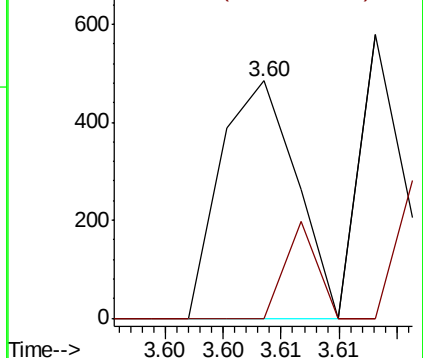
45 100

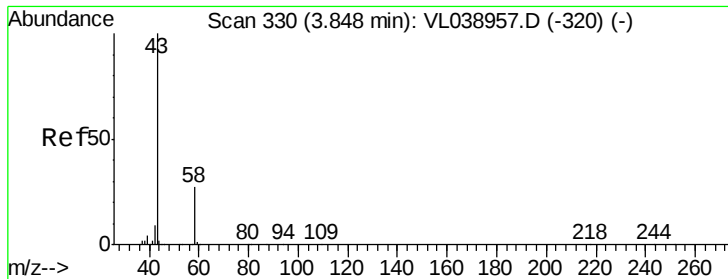
46 0.0 18.0 72.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.067 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

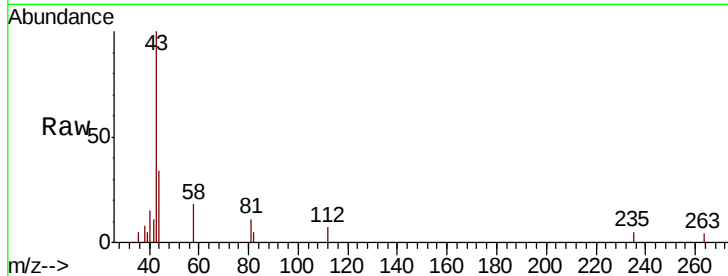
Acq: 13 May 2022 13:43 VL0513ABL02

Tot Ion: 43 Resp: 5692

Ion Ratio Lower Upper

43 100

58 52.6 21.3 31.9#

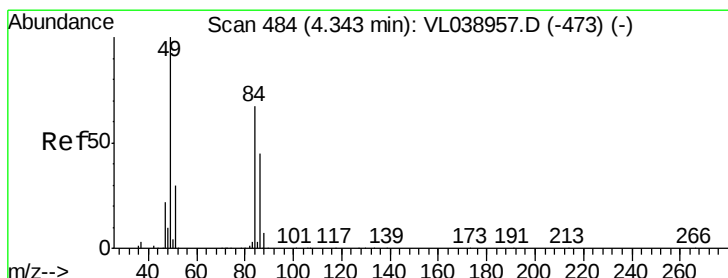
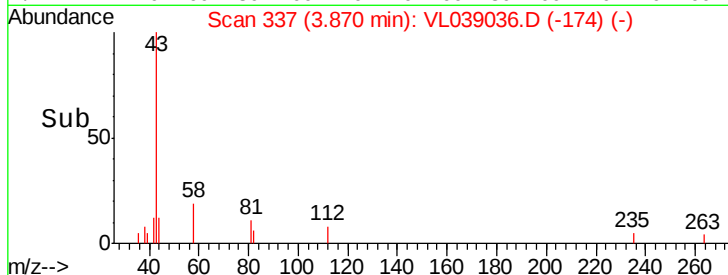


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.87

Time-->



#20

Methylene Chloride

Concen: 0.044 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL039036.D

Acq: 13 May 2022 13:43

Tgt Ion: 84 Resp: 1415

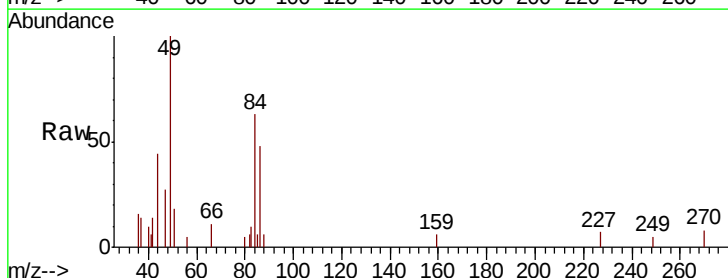
Ion Ratio Lower Upper

84 100

49 85.0 119.9 179.9#

51 2.3 35.7 53.5#

86 44.5 53.8 80.6#



Abundance Ion 84.00 (83.70 to 84.70): VL0

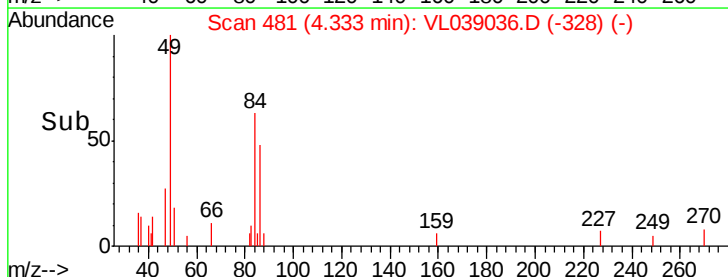
Ion 49.10 (48.80 to 49.80): VL0

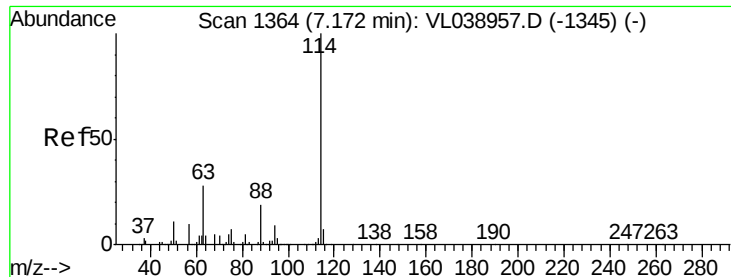
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

4.33

Time-->

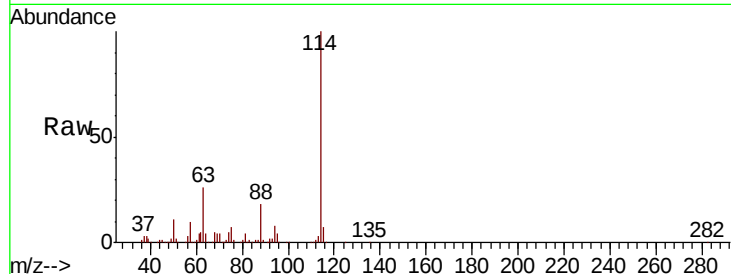




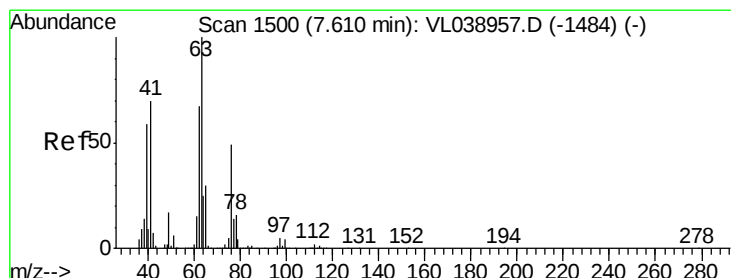
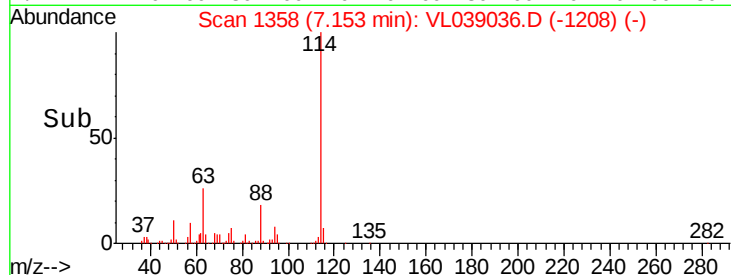
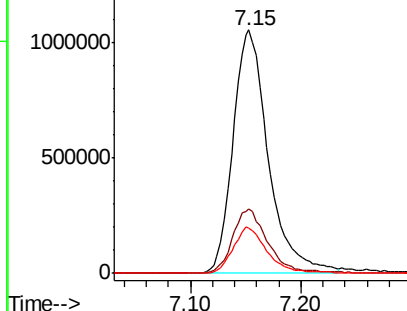
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0513ABL02
 Acq: 13 May 2022 13:43

Tot Ion: 114 Resp: 2345562

Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.6	33.8
88	18.6	15.4	23.0



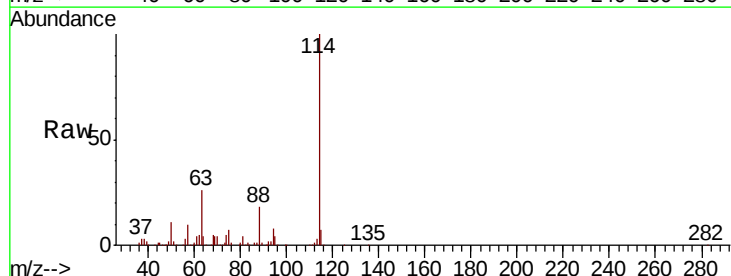
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



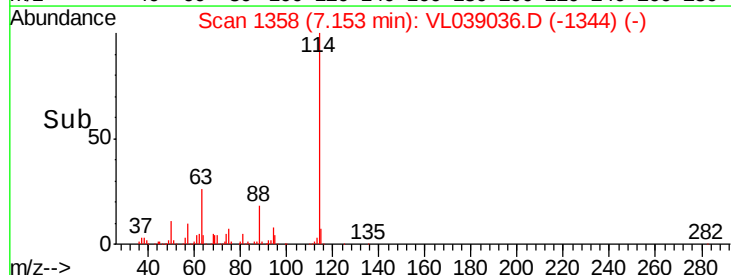
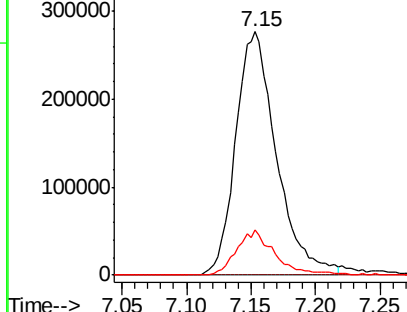
#39
 1,2-Dichloropropane
 Concen: 7.800 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.46 min
 Lab File: VL039036.D
 Acq: 13 May 2022 13:43

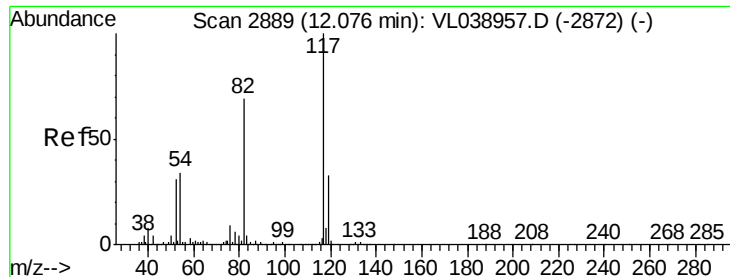
Tgt Ion: 63 Resp: 609191

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	18.6	53.8	80.6#



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

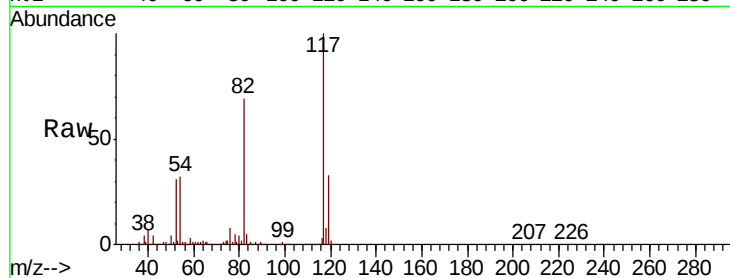




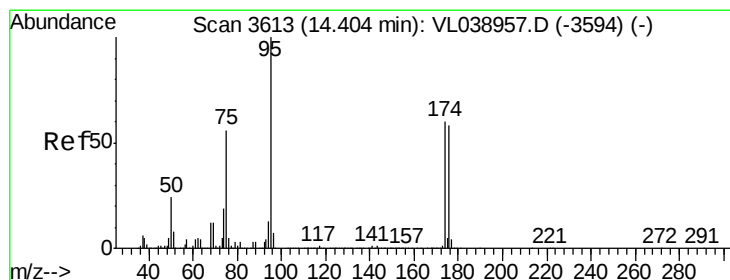
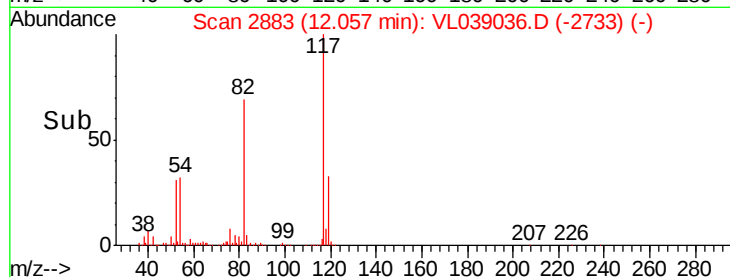
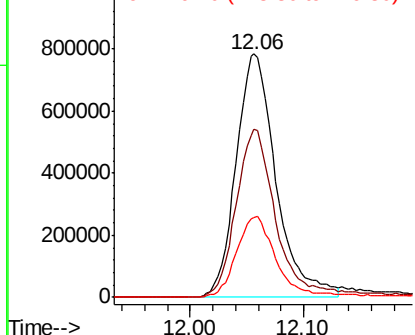
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0513ABL02
Acq: 13 May 2022 13:43

Tot Ion: 117 Resp: 1928121

Ion	Ratio	Lower	Upper
117	100		
82	71.3	57.0	85.6
119	34.6	27.2	40.8



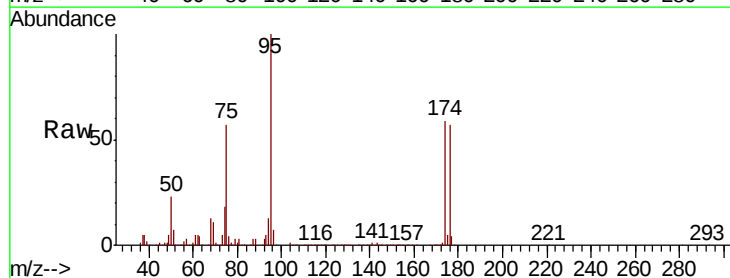
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.492 ppbv
RT: 14.38 min Scan# 3606
Delta R.T.: -0.02 min
Lab File: VL039036.D
Acq: 13 May 2022 13:43

Tgt Ion: 95 Resp: 1449331

Ion	Ratio	Lower	Upper
95	100		
174	68.6	50.8	76.2
175	5.1	3.8	5.6



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

