

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039504.D
 Acq On : 20 Jul 2022 8:09
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jul 21 05:27:49 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	917505	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	2594047	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2309890	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1766579	10.31	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

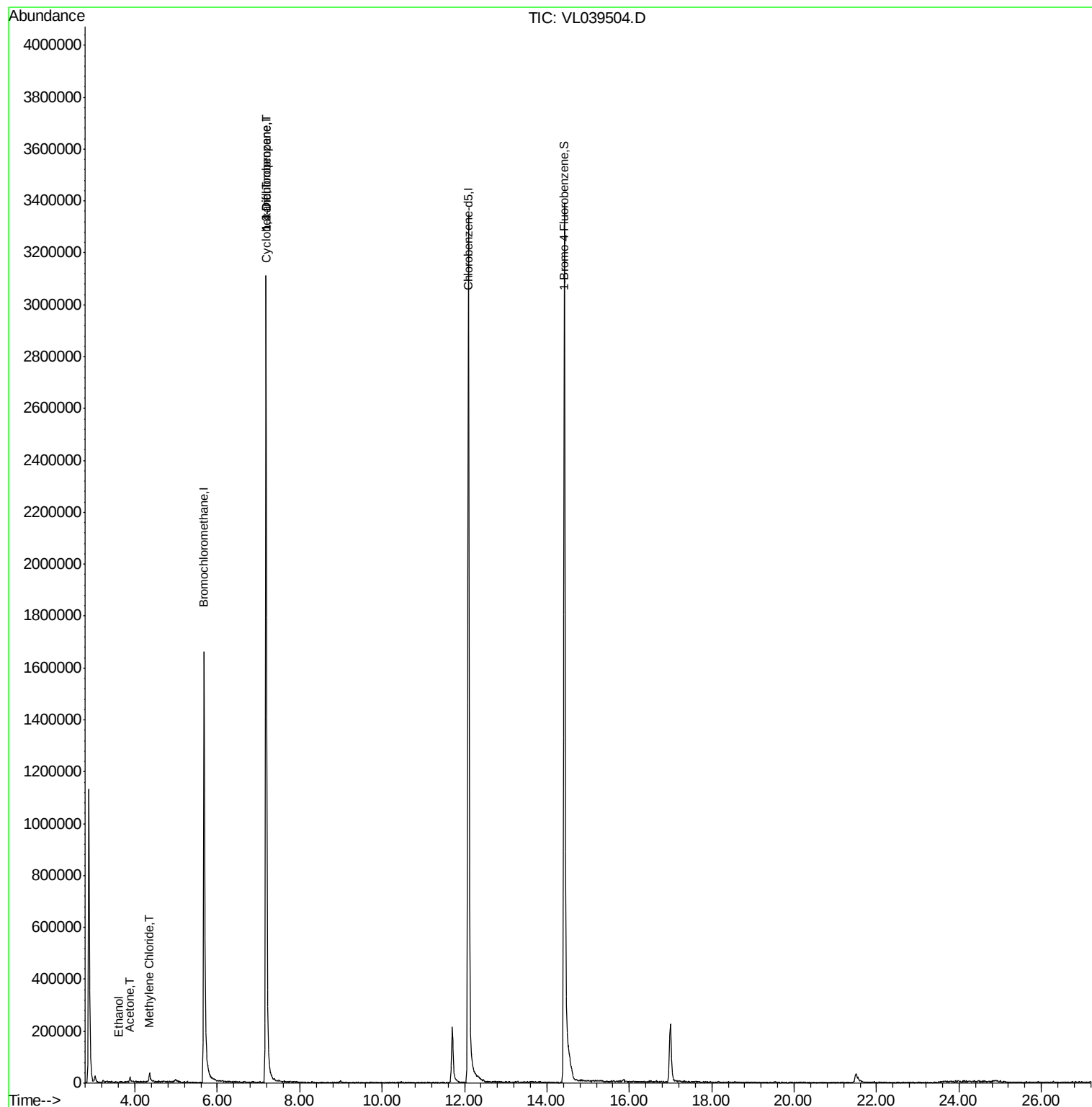
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	296	0.097	ppbv #	23
15) Acetone	3.87	43	8327	0.077	ppbv #	49
20) Methylene Chloride	4.35	84	4541	0.105	ppbv #	88
30) Cyclohexane	7.17	84	5448	0.067	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	639154	8.522	ppbv #	25

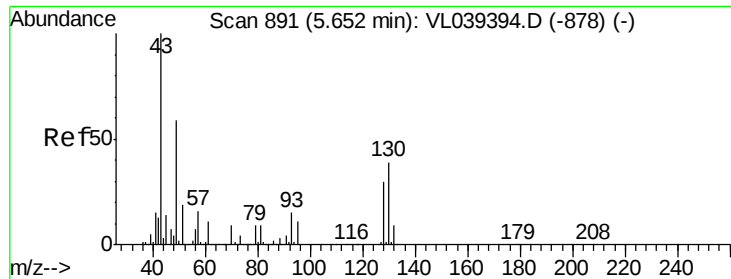
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 20 Jul 2022 8:09

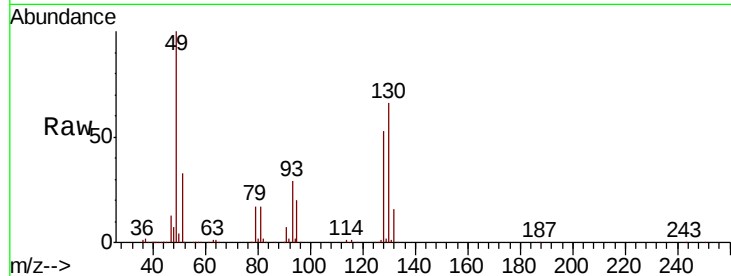
Tot Ion: 49 Resp: 917505

Ion Ratio Lower Upper

49 100

128 53.9 26.7 80.0

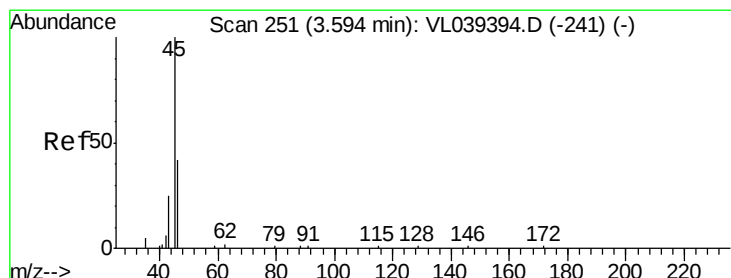
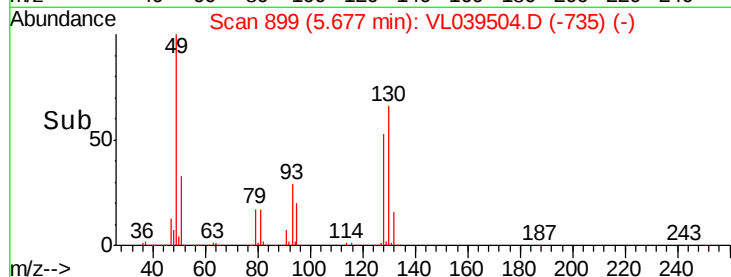
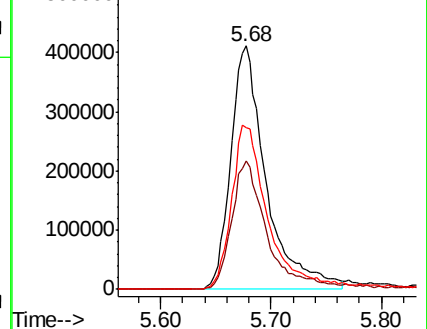
130 71.8 34.3 102.8



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: 0.097 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.02 min

Lab File: VL039504.D

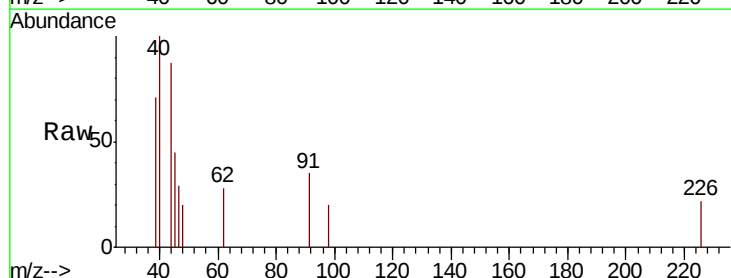
Acq: 20 Jul 2022 8:09

Tgt Ion: 45 Resp: 296

Ion Ratio Lower Upper

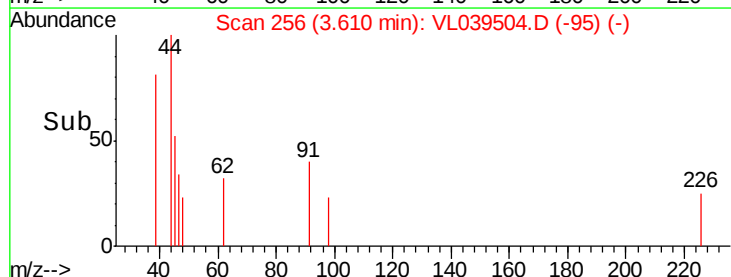
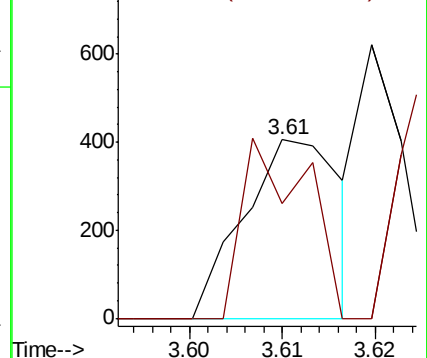
45 100

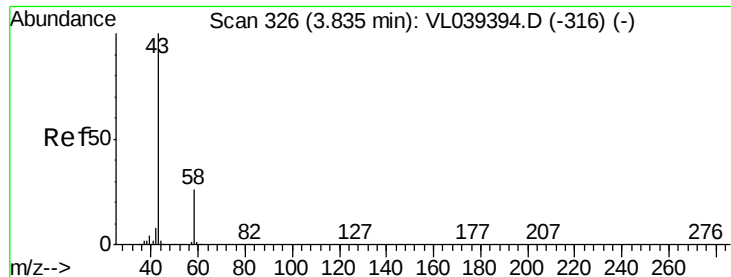
46 0.0 22.8 91.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.077 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

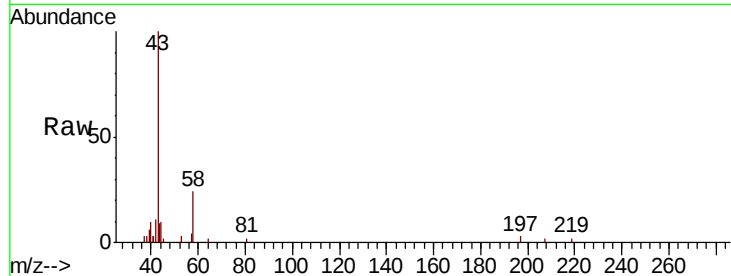
Acq: 20 Jul 2022 8:09

Tot Ion: 43 Resp: 8327

Ion Ratio Lower Upper

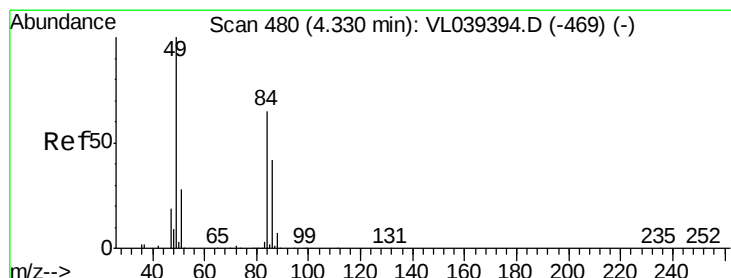
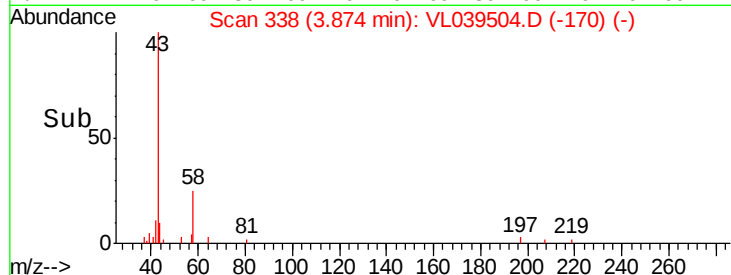
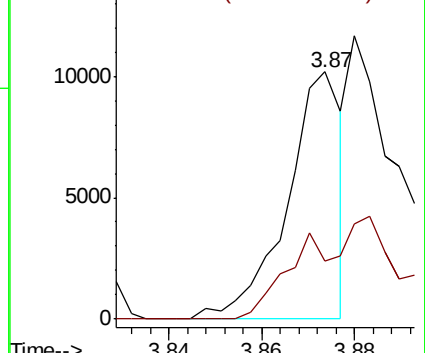
43 100

58 0.0 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.105 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL039504.D

Acq: 20 Jul 2022 8:09

Tgt Ion: 84 Resp: 4541

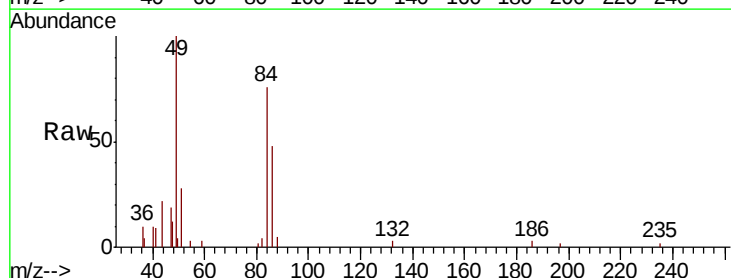
Ion Ratio Lower Upper

84 100

49 135.5 123.1 184.7

51 29.6 34.4 51.6#

86 65.4 51.1 76.7

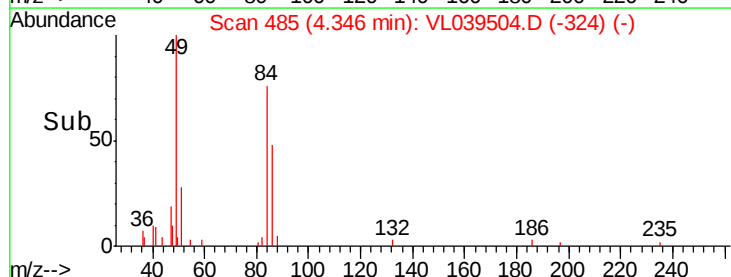
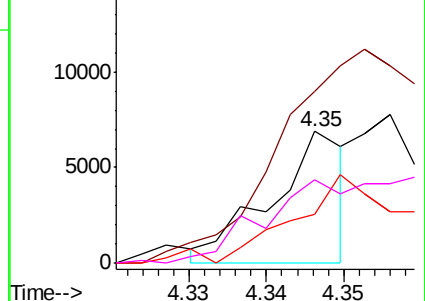


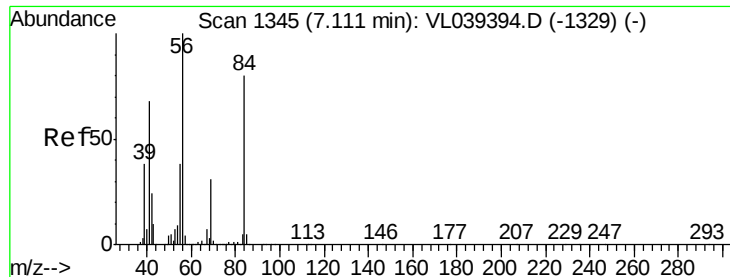
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

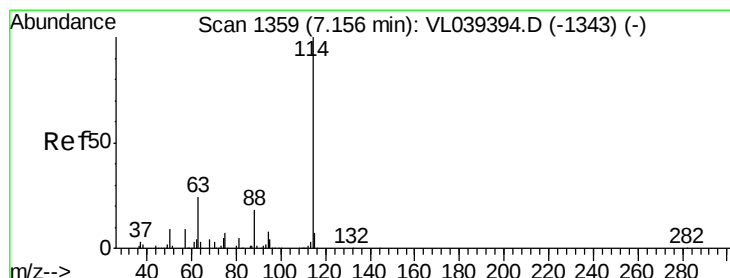
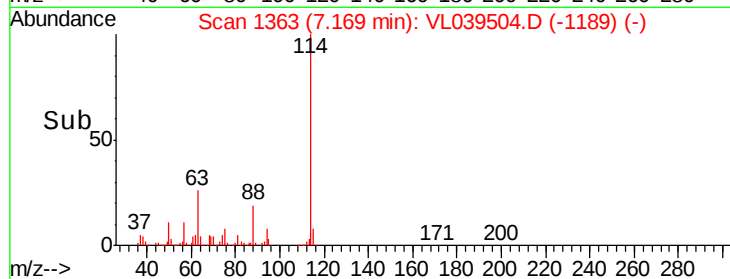
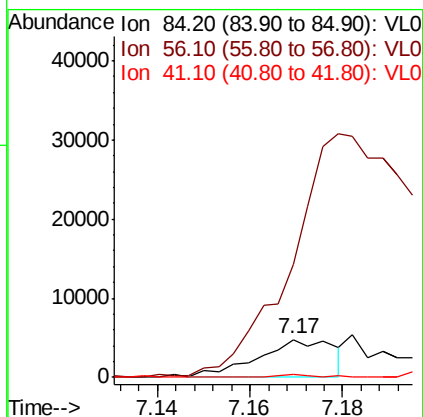
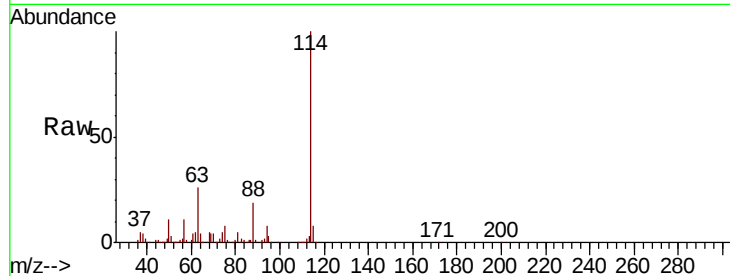
Ion 86.00 (85.70 to 86.70): VL0





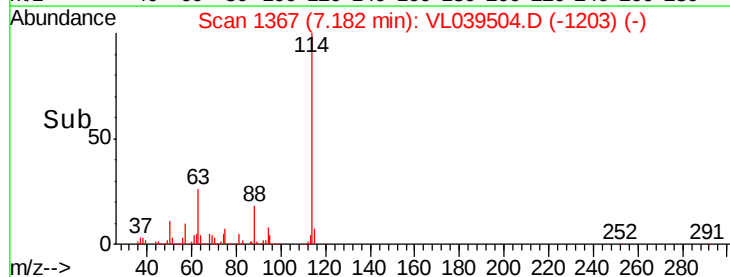
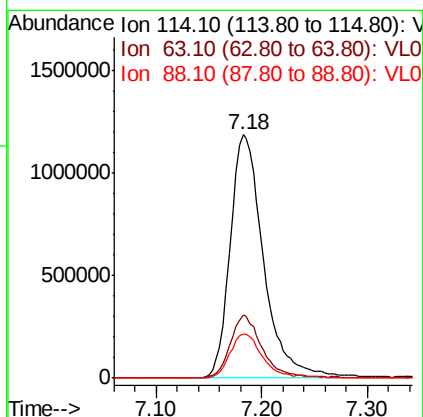
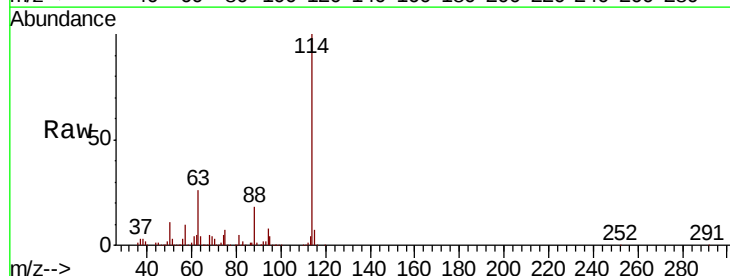
#30
Cvclohexane
Concen: 0.067 ppbv
RT: 7.17
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 8:09

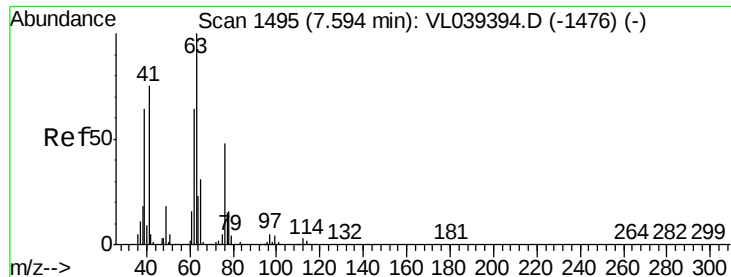
Tot Ion: 84 Resp: 5448
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 3.8 67.7 101.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.03 min
Lab File: VL039504.D
Acq: 20 Jul 2022 8:09

Tgt Ion: 114 Resp: 2594047
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.4
88 18.2 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.522 ppbv

RT: 7.18 Instrument: MSVOA_1

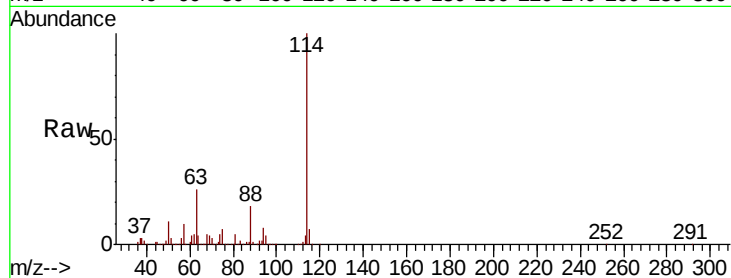
Delta R.T. 0.03 min

Lab File: ClientSampleId: VIBLK

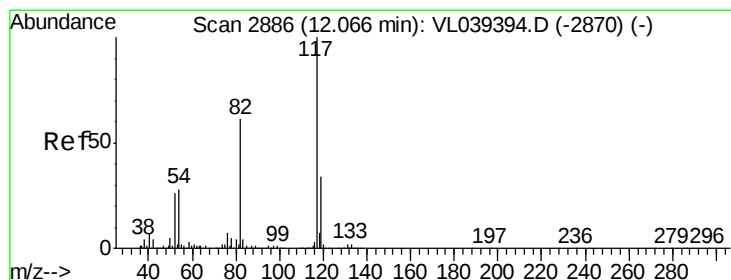
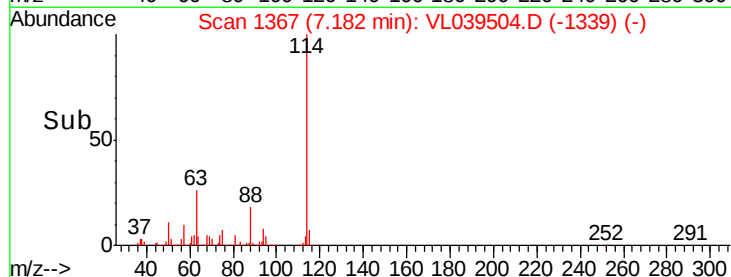
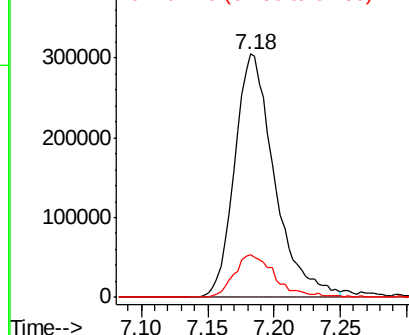
Acq: 20 Jul 2022 8:09

Tot Ion: 63 Resp: 639154

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	17.6	51.4	77.0#



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: 12.10 min Scan# 2895

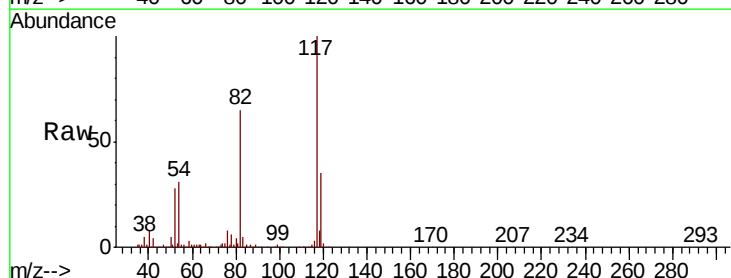
Delta R.T. 0.03 min

Lab File: VL039504.D

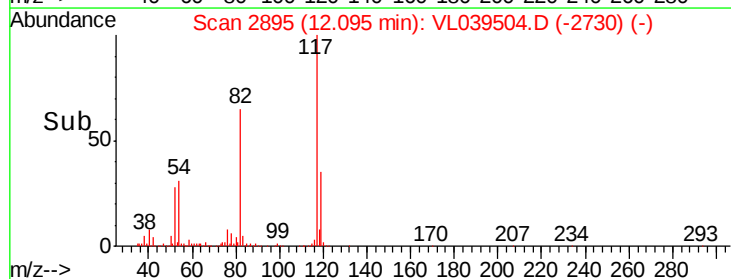
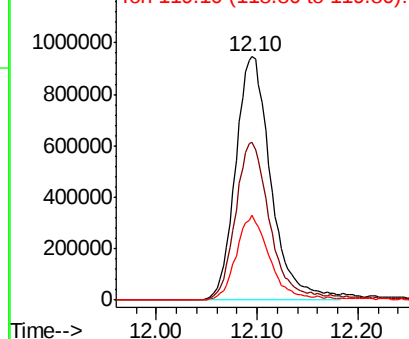
Acq: 20 Jul 2022 8:09

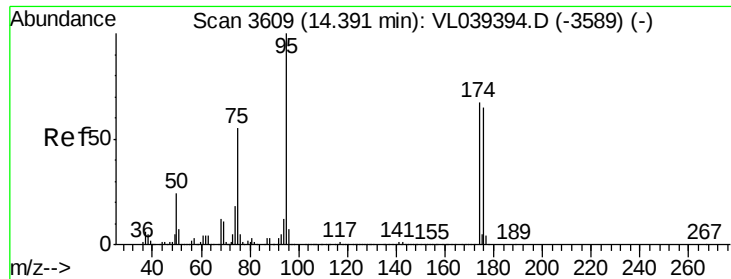
Tgt Ion: 117 Resp: 2309890

Ion	Ratio	Lower	Upper
117	100		
82	65.1	50.8	76.2
119	33.7	24.1	36.1



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: 10.309 ppbv

RT: 14.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Jul 2022 8:09

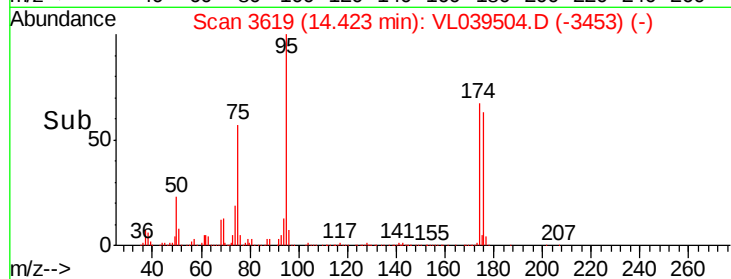
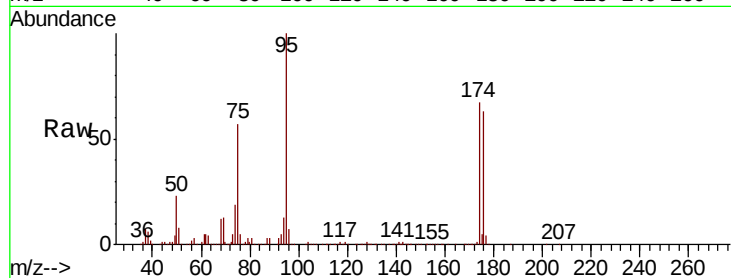
Tot Ion: 95 Resp: 1766579

Ion Ratio Lower Upper

95 100

174 70.8 55.9 83.9

175 5.3 4.2 6.4



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

