

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
 Data File : VL038501.D
 Acq On : 3 Mar 2022 3:18
 Operator : SY/AP
 Sample : N1754-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Quant Time: Mar 03 04:39:58 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	5.68	49	843648	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	1953102	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	1736042	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1412924	9.84	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

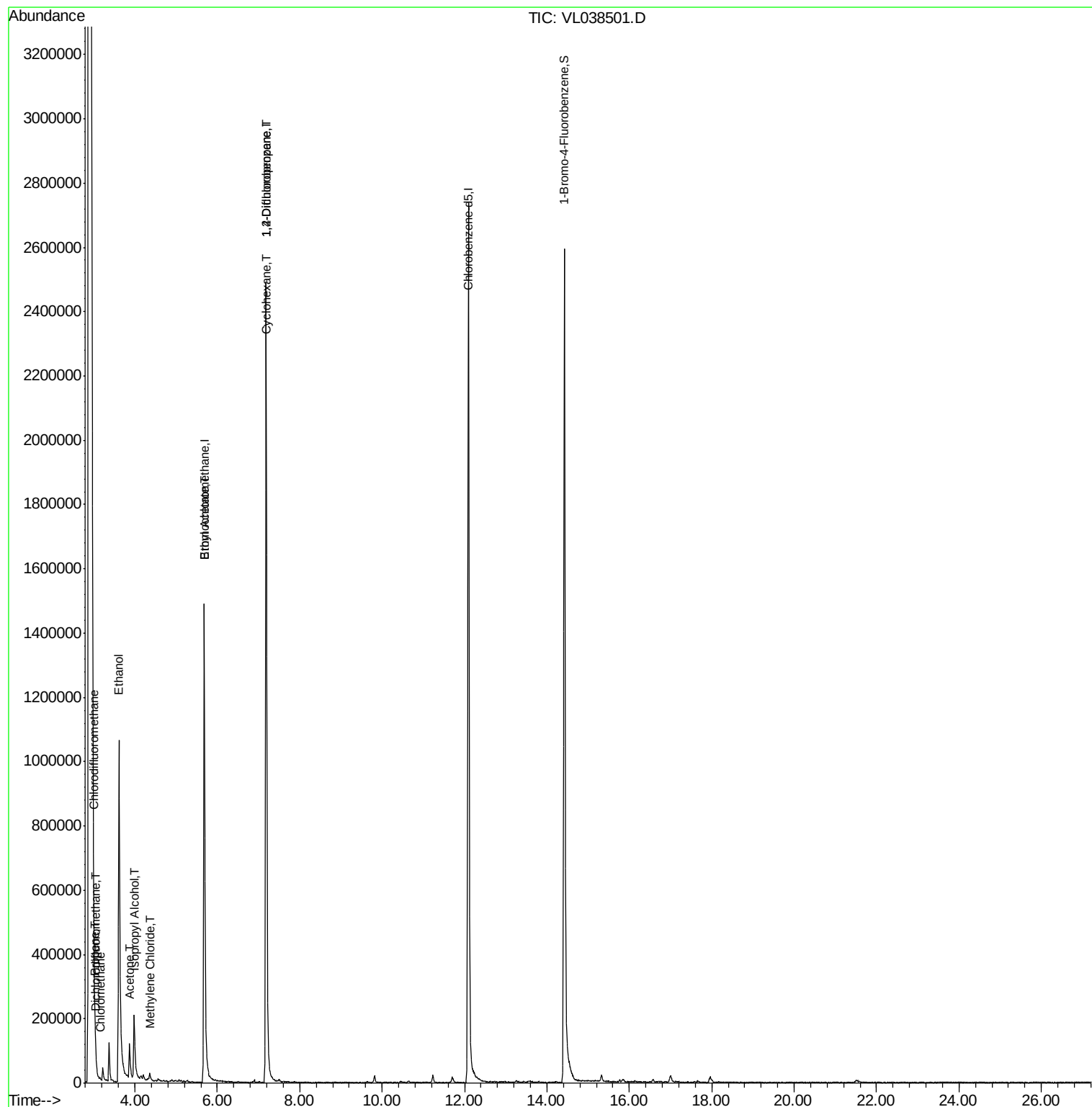
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	8711	0.07	ppbv	90
3) Chlorodifluoromethane	3.00	51	78354	0.53	ppbv	94
4) Chloromethane	3.16	50	3199	0.06	ppbv #	83
9) Propene	3.04	41	15486	0.31	ppbv #	79
13) Ethanol	3.61	45	1511509	307.92	ppbv	88
15) Acetone	3.87	43	122924	1.71	ppbv	100
19) Isopropyl Alcohol	3.98	45	256887	6.18	ppbv #	95
20) Methylene Chloride	4.36	84	7079	0.20	ppbv	90
25) Ethyl Acetate	5.69	43	15044	0.08	ppbv #	71
30) Cyclohexane	7.17	84	2323	0.03	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	542390	7.92	ppbv #	25

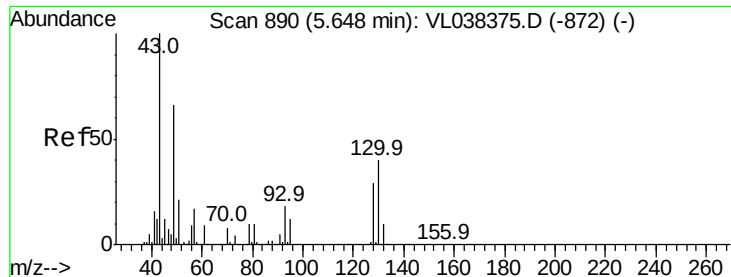
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 3:18

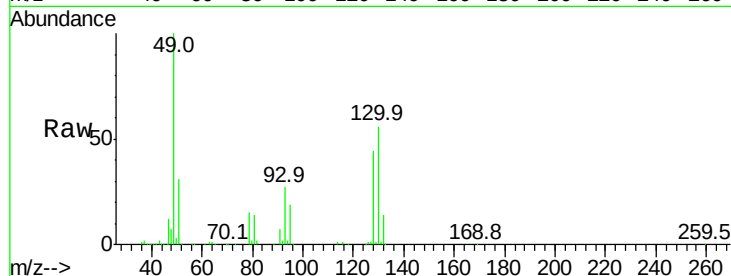
Tgt Ion: 49 Resp: 843648

Ion Ratio Lower Upper

49 100

128 46.6 24.3 72.9

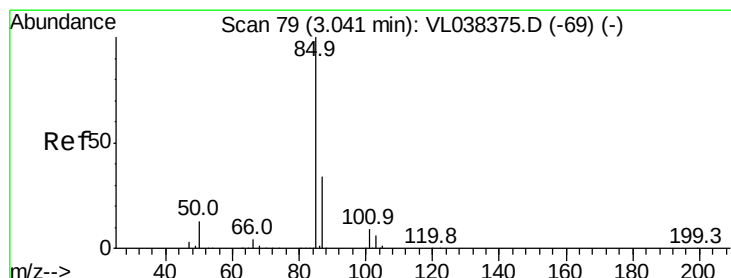
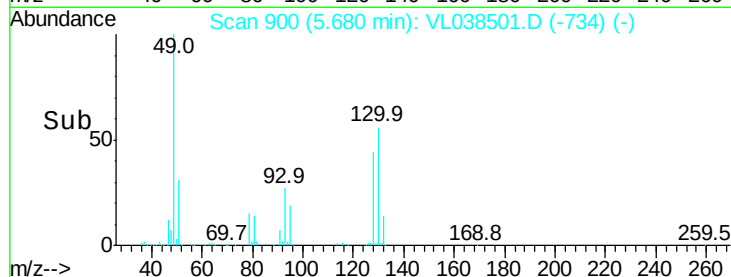
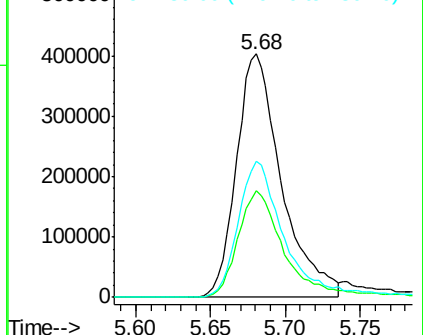
130 59.5 30.1 90.5



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



#2

Dichlorodifluoromethane

Concen: 0.07 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL038501.D

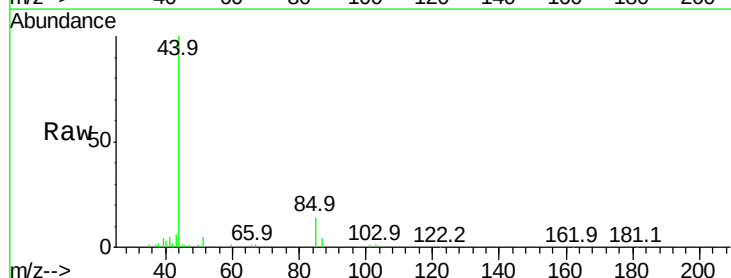
Acq: 3 Mar 2022 3:18

Tgt Ion: 85 Resp: 8711

Ion Ratio Lower Upper

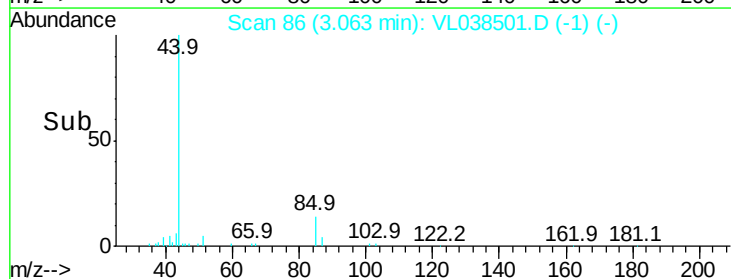
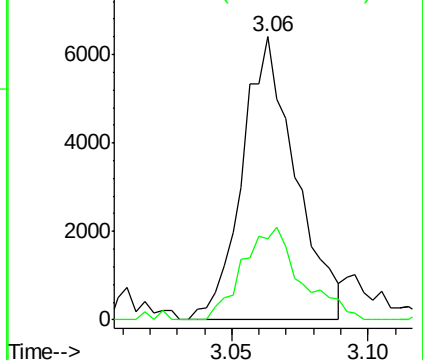
85 100

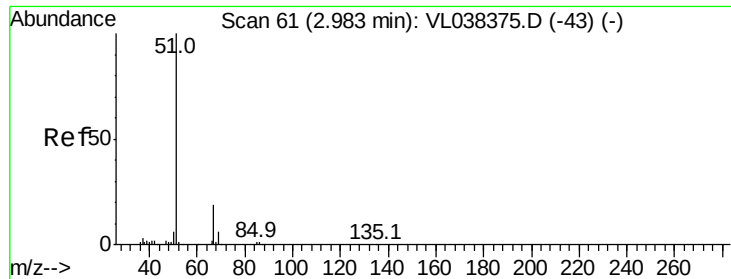
87 28.6 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.53 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

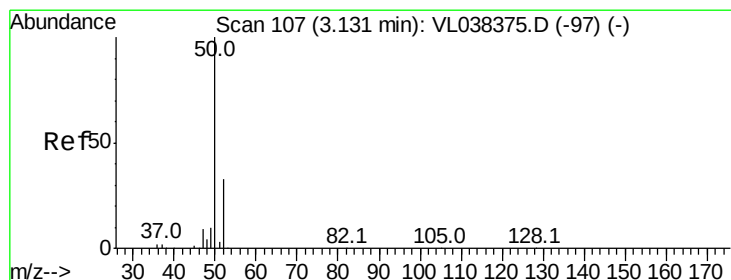
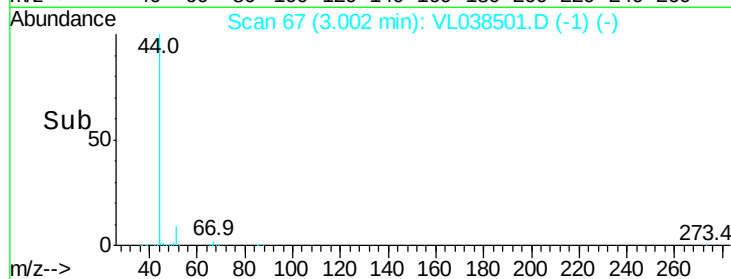
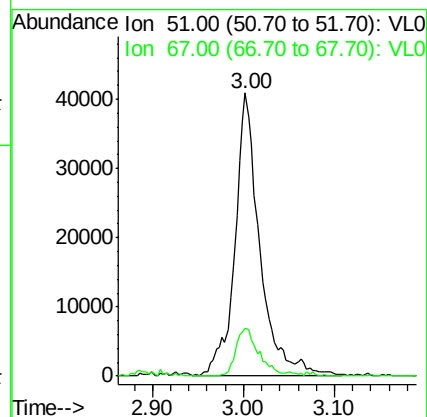
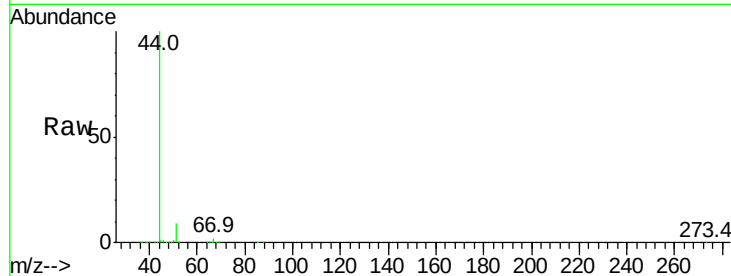
Acq: 3 Mar 2022 3:18

Tgt Ion: 51 Resp: 78354

Ion Ratio Lower Upper

51 100

67 15.9 14.7 22.1



#4

Chloromethane

Concen: 0.06 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.03 min

Lab File: VL038501.D

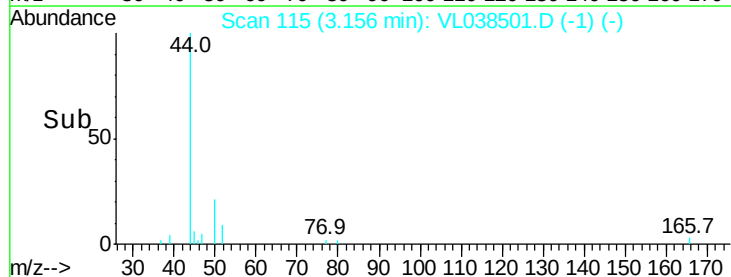
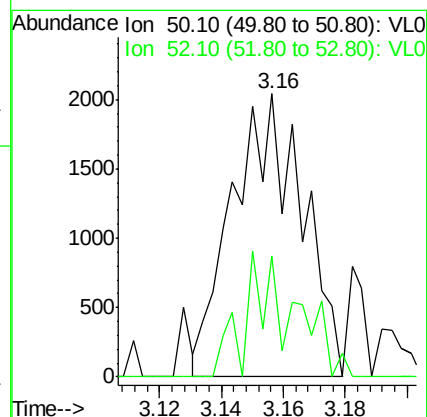
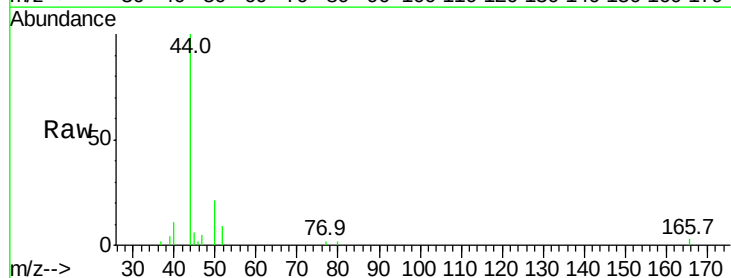
Acq: 3 Mar 2022 3:18

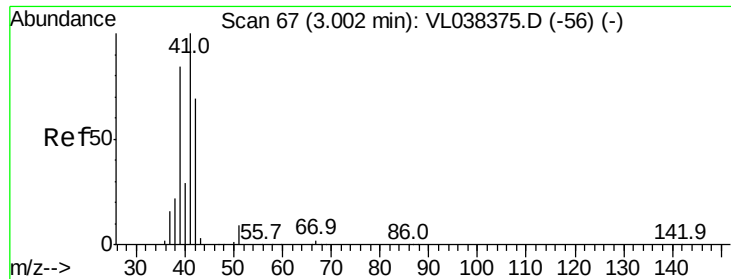
Tgt Ion: 50 Resp: 3199

Ion Ratio Lower Upper

50 100

52 42.6 26.5 39.7#





#9

Propene

Concen: 0.31 ppbv

RT: 3.04 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: A1DL

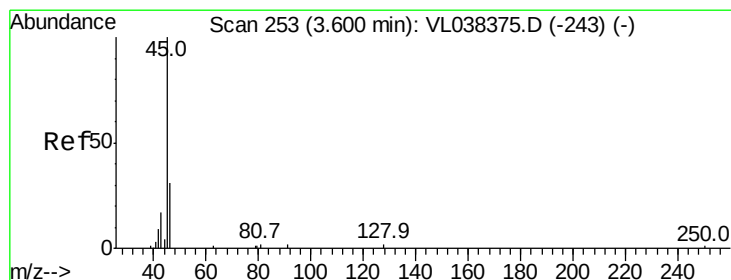
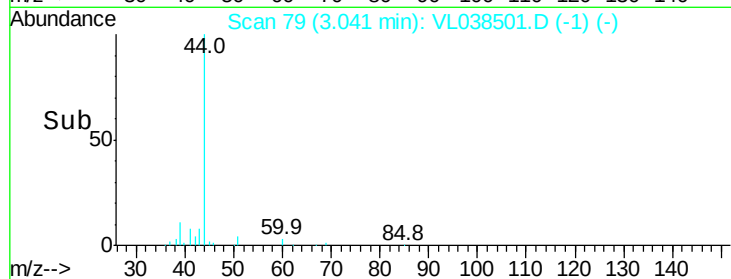
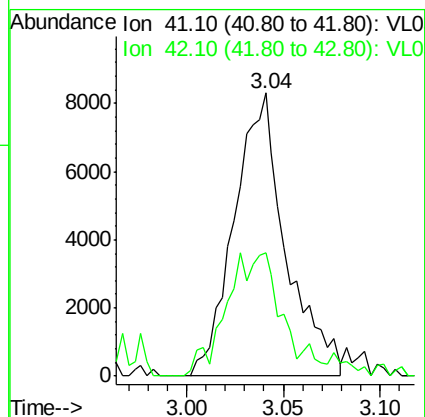
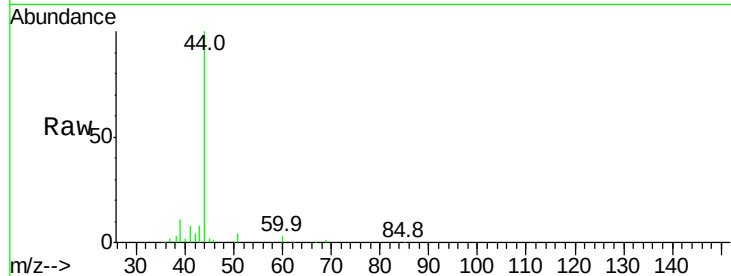
Acq: 3 Mar 2022 3:18

Tgt Ion: 41 Resp: 15486

Ion Ratio Lower Upper

41 100

42 51.6 54.6 82.0#



#13

Ethanol

Concen: 307.92 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL038501.D

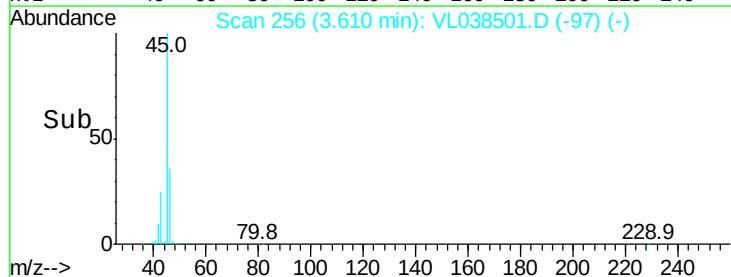
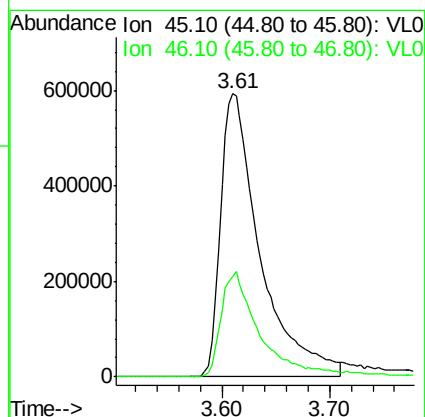
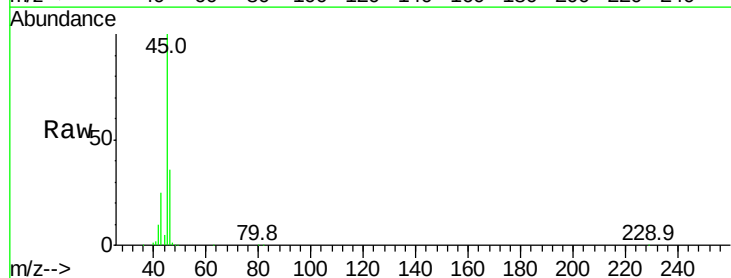
Acq: 3 Mar 2022 3:18

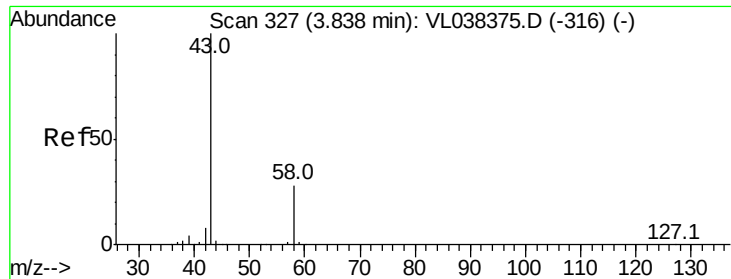
Tgt Ion: 45 Resp: 1511509

Ion Ratio Lower Upper

45 100

46 37.9 18.2 72.8





#15

Acetone

Concen: 1.71 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

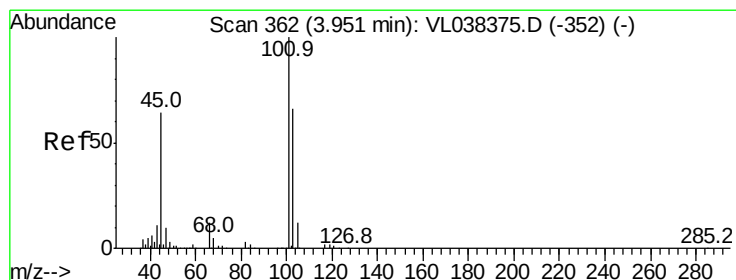
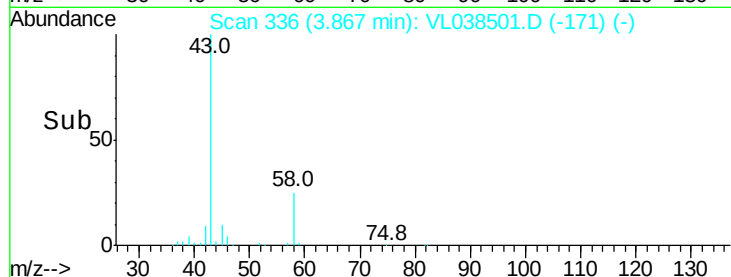
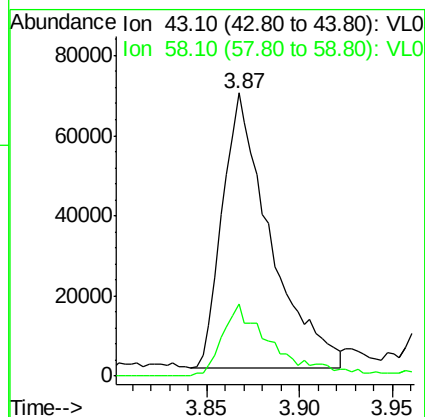
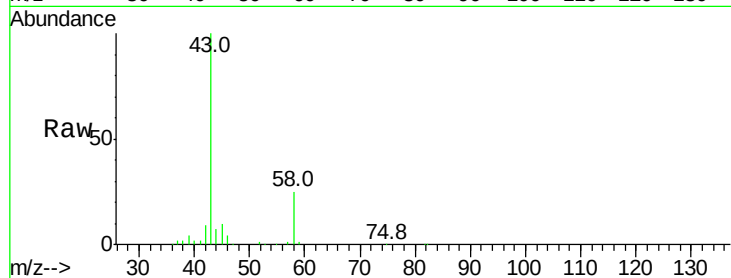
Acq: 3 Mar 2022 3:18

Tgt Ion: 43 Resp: 122924

Ion Ratio Lower Upper

43 100

58 27.1 21.7 32.5



#19

Isopropyl Alcohol

Concen: 6.18 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.03 min

Lab File: VL038501.D

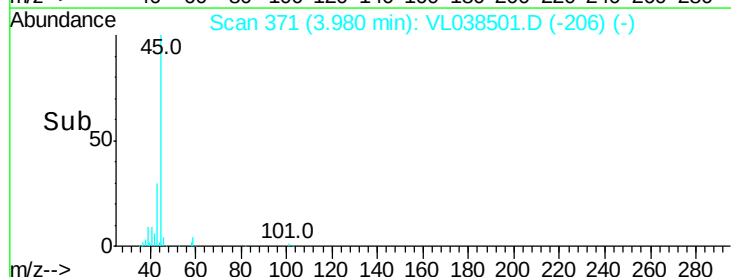
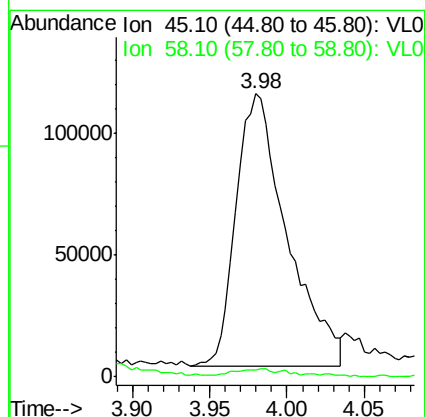
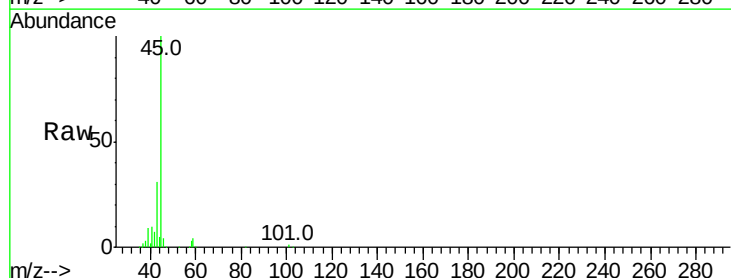
Acq: 3 Mar 2022 3:18

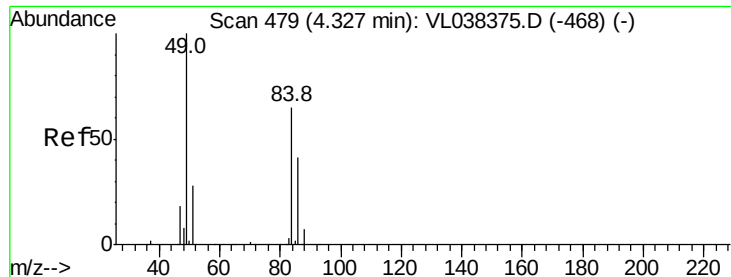
Tgt Ion: 45 Resp: 256887

Ion Ratio Lower Upper

45 100

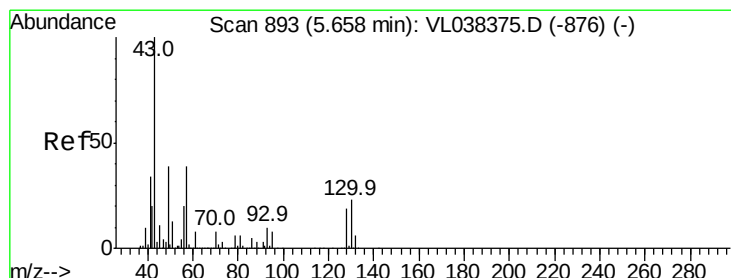
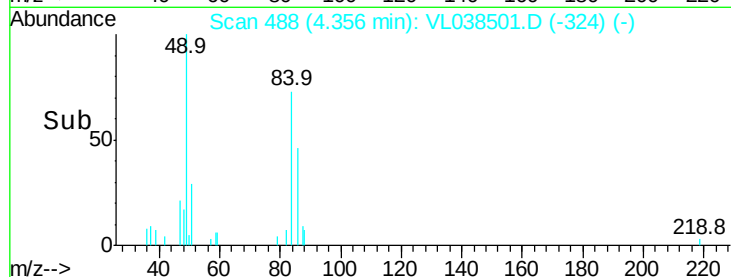
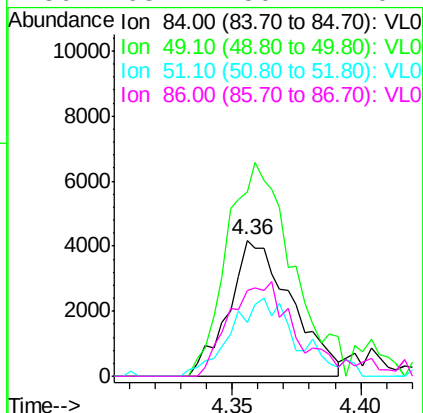
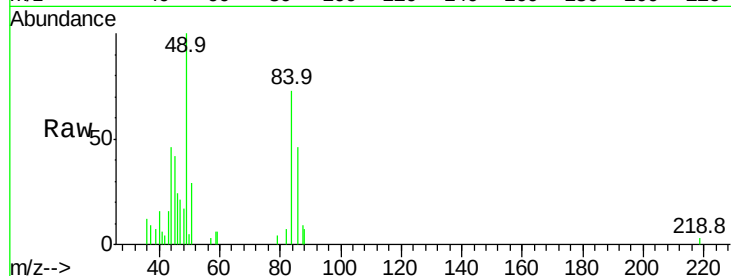
58 3.9 1.8 2.8#





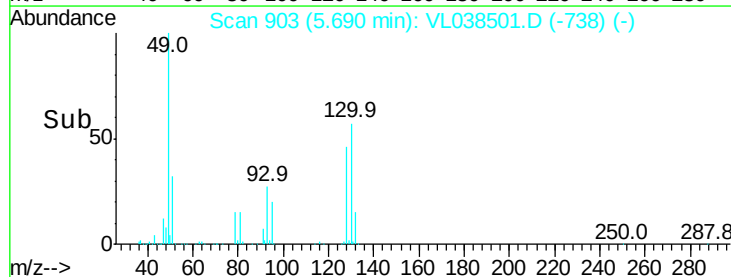
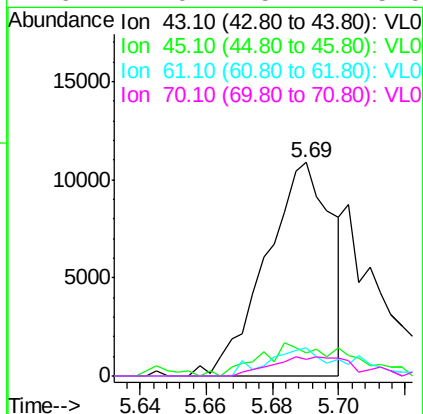
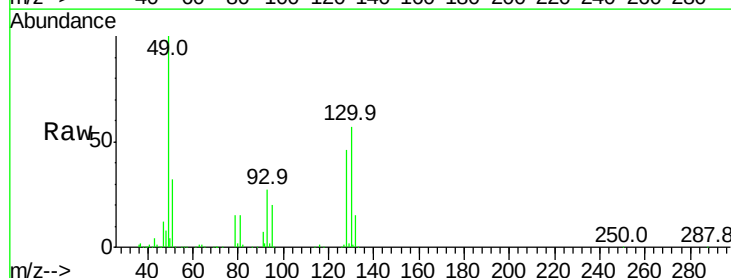
#20
Methylene Chloride
Concen: 0.20 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 3:18

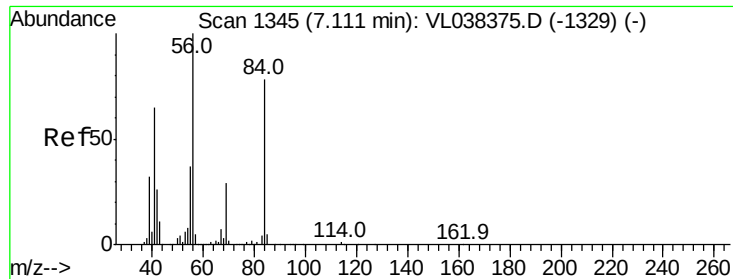
Tgt Ion:	84	Resp:	7079
Ion	Ratio	Lower	Upper
84	100		
49	136.2	122.4	183.6
51	34.7	33.3	49.9
86	63.2	50.7	76.1



#25
Ethyl Acetate
Concen: 0.08 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL038501.D
Acq: 3 Mar 2022 3:18

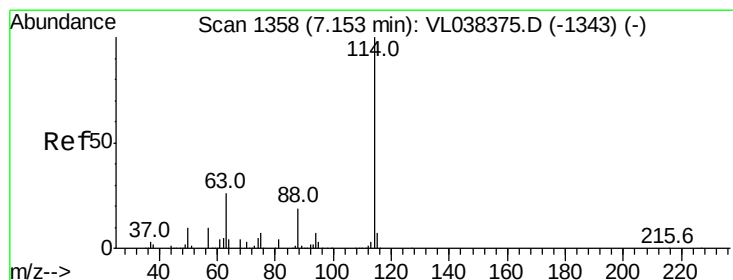
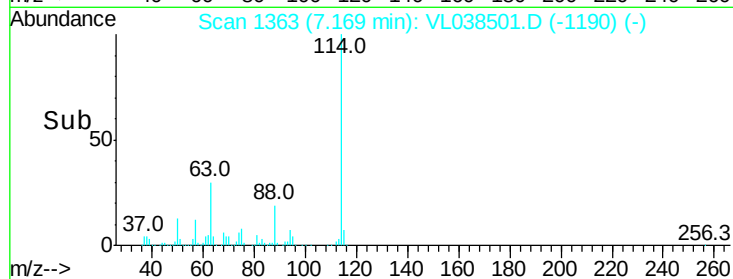
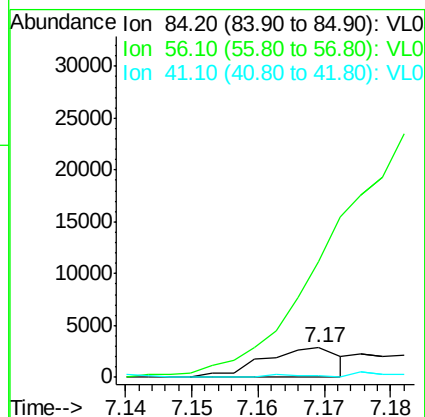
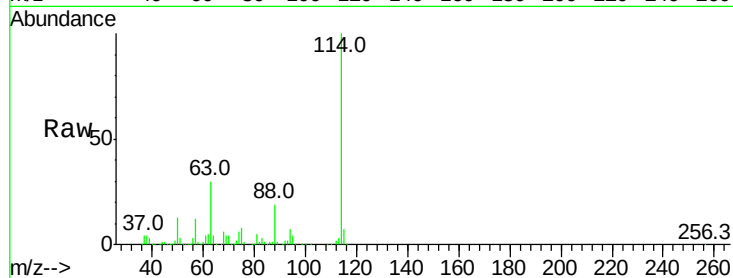
Tgt Ion:	43	Resp:	15044
Ion	Ratio	Lower	Upper
43	100		
45	27.0	7.8	11.6#
61	16.9	7.5	11.3#
70	12.0	5.4	8.0#





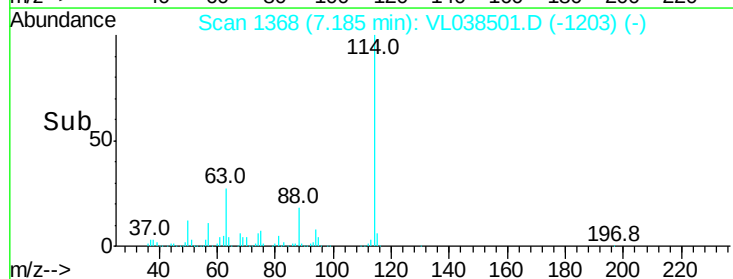
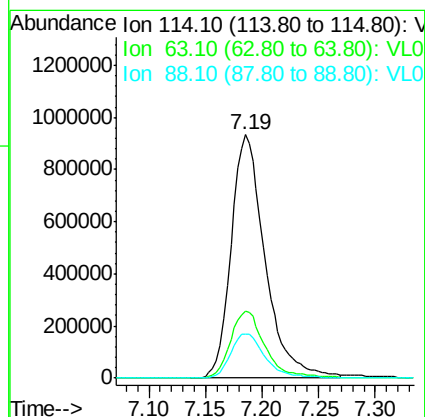
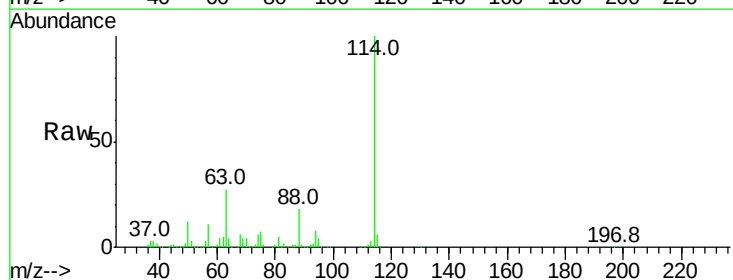
#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.17
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 3:18

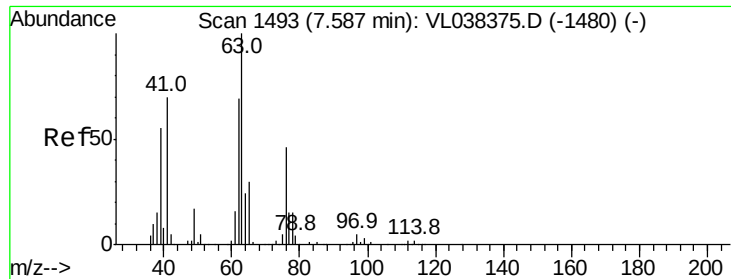
Tgt Ion: 84 Resp: 2323
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 13.4 74.3 111.5#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VL038501.D
Acq: 3 Mar 2022 3:18

Tgt Ion: 114 Resp: 1953102
Ion Ratio Lower Upper
114 100
63 28.3 22.2 33.2
88 18.9 15.2 22.8





#39

1,2-Dichloropropane

Concen: 7.92 ppbv

RT: 7.19 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 3 Mar 2022 3:18

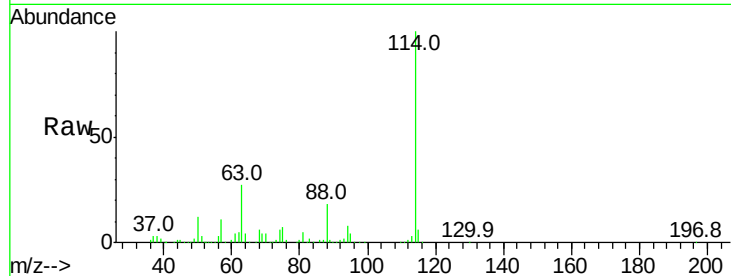
Tgt Ion: 63 Resp: 542390

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

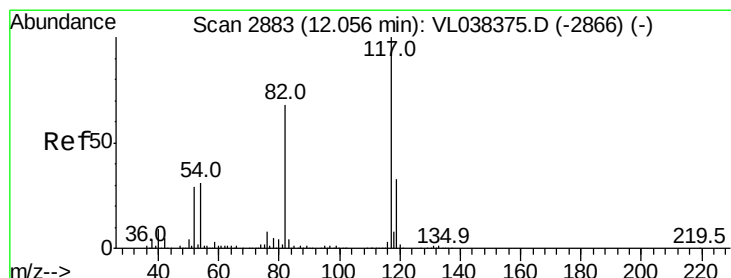
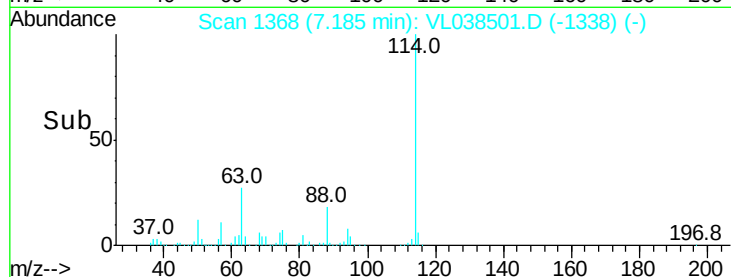
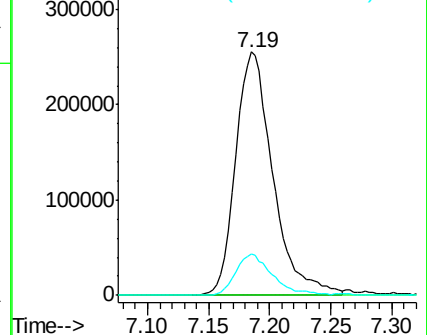
62 17.0 55.5 83.3#



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: 10.00 ppbv

RT: 12.09 min Scan# 2895

Delta R.T. 0.04 min

Lab File: VL038501.D

Acq: 3 Mar 2022 3:18

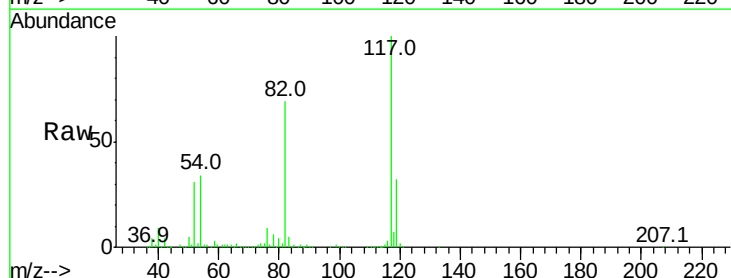
Tgt Ion: 117 Resp: 1736042

Ion Ratio Lower Upper

117 100

82 72.4 54.9 82.3

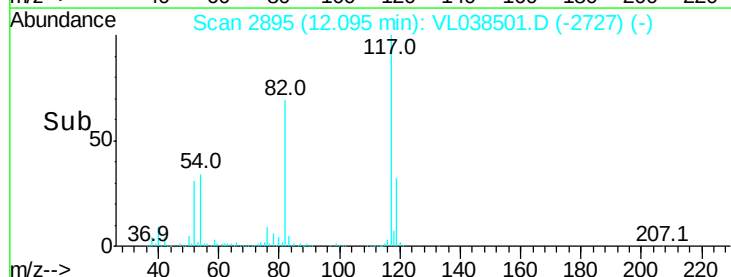
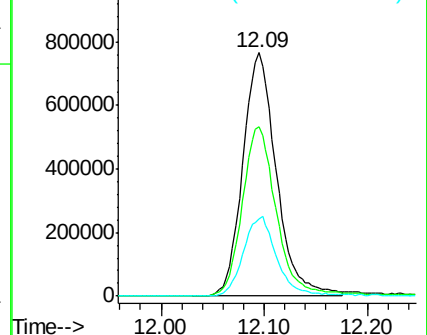
119 33.0 46.1 69.1#

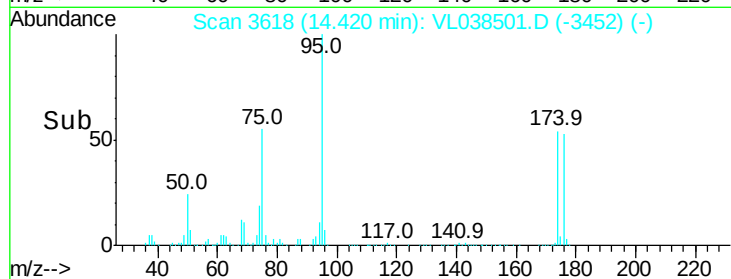
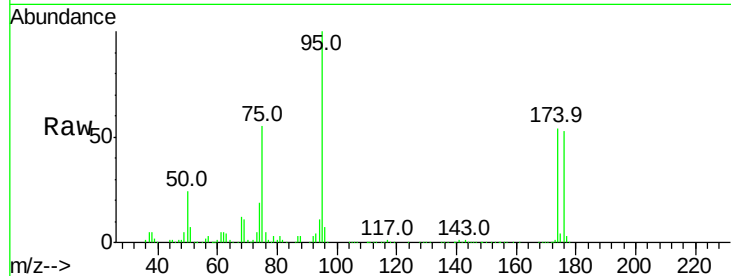
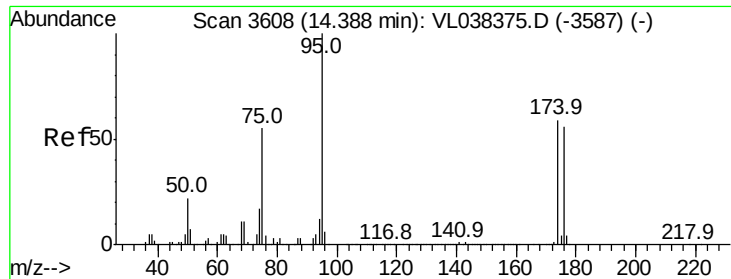


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.84 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 3.18

Tgt Ion: 95 Resp: 1412924

Ion Ratio Lower Upper

95 100

174 60.0 49.0 73.4

175 4.2 3.6 5.4

