

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
 Data File : VL039415.D
 Acq On : 30 Jun 2022 3:48
 Operator : SY/AP
 Sample : N3530-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Jun 30 05:45:56 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 30 05:40:11 2022
 QLast Update : Thu Jun 30 05:40:11 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1366644	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3737233	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3282531	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2351605	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

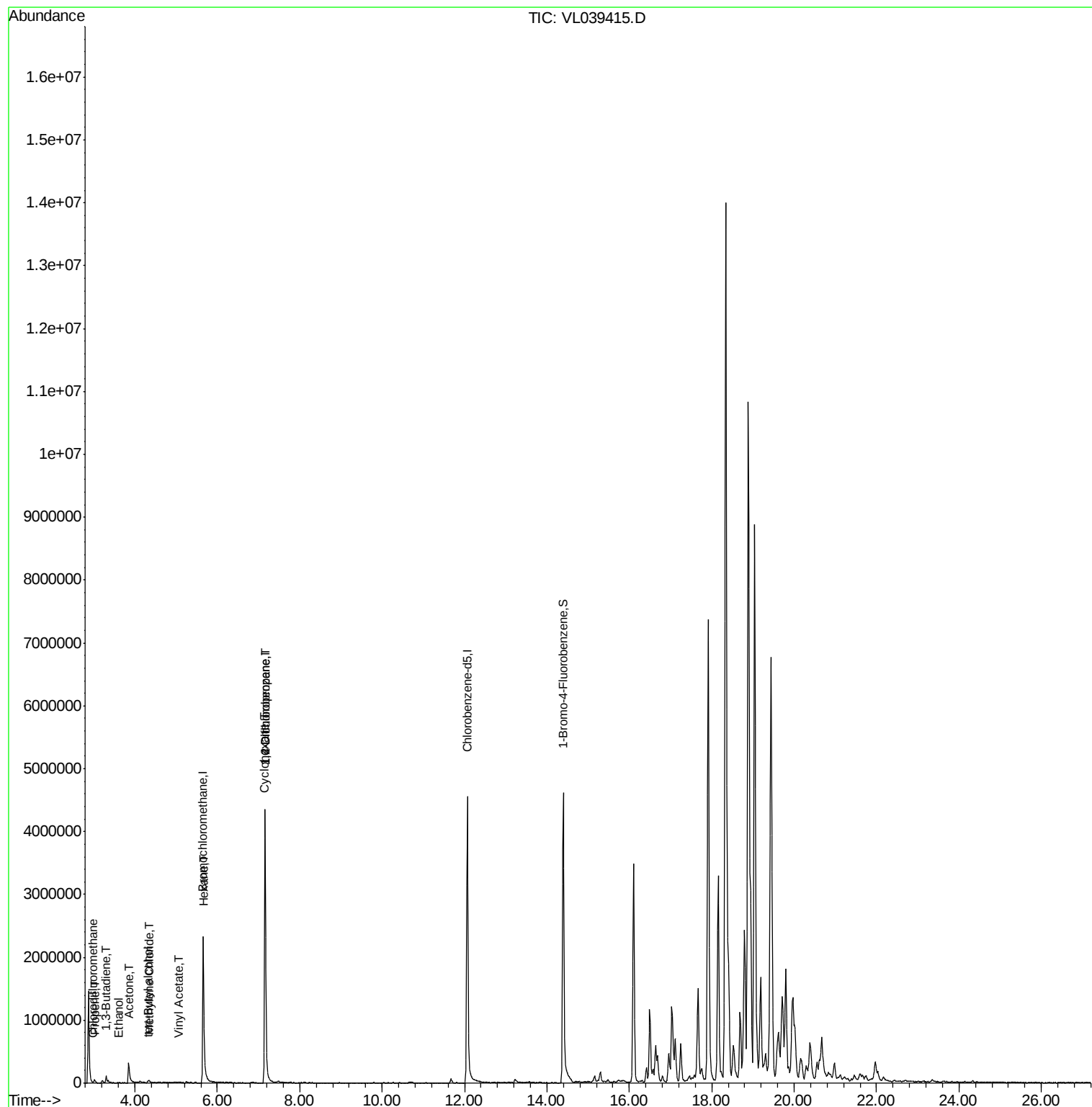
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	6808	0.04	ppbv #	73
9) Propene	3.02	41	8839	0.11	ppbv #	79
13) Ethanol	3.59	45	542	0.12	ppbv #	23
15) Acetone	3.85	43	457713	2.83	ppbv	95
16) 1,3-Butadiene	3.30	39	33491	0.40	ppbv #	12
17) tert-Butyl alcohol	4.31	59	9475	0.07	ppbv #	84
20) Methylene Chloride	4.34	84	8683	0.13	ppbv	97
23) Vinyl Acetate	5.06	43	2377	0.02	ppbv #	69
26) Hexane	5.67	57	9025	0.07	ppbv #	1
30) Cyclohexane	7.14	84	4237	0.03	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	912921	8.45	ppbv #	25

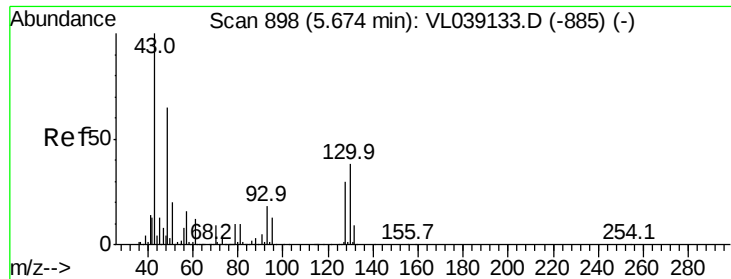
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 30 Jun 2022 3:48

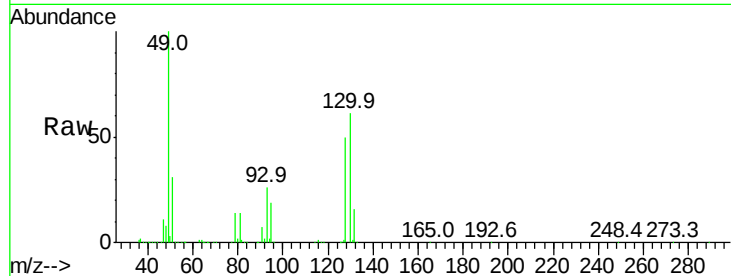
Tgt Ion: 49 Resp: 1366644

Ion Ratio Lower Upper

49 100

128 52.6 26.7 80.0

130 65.5 34.3 102.8



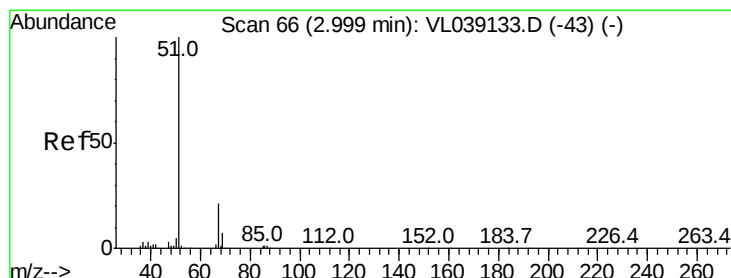
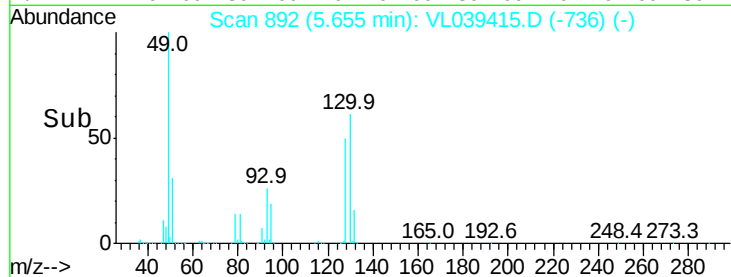
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

Time-->



#3

Chlorodifluoromethane

Concen: 0.04 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL039415.D

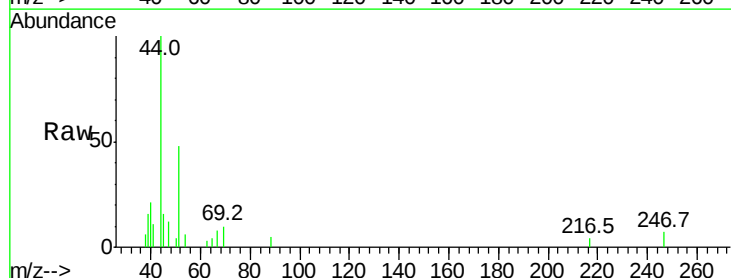
Acq: 30 Jun 2022 3:48

Tgt Ion: 51 Resp: 6808

Ion Ratio Lower Upper

51 100

67 7.4 15.7 23.5#

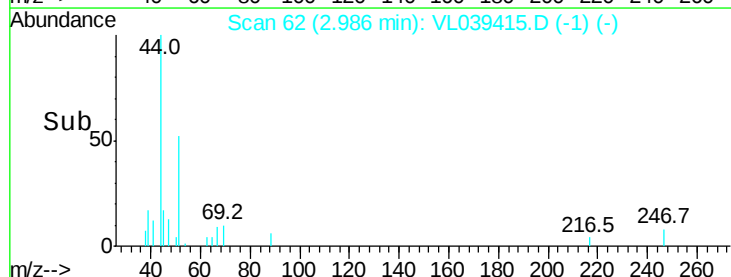


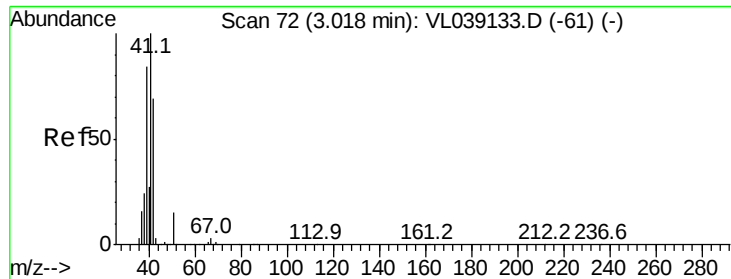
Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

Time-->





#9

Propene

Concen: 0.11 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. -0.00

Lab File: ClientSampleId: SV1DL

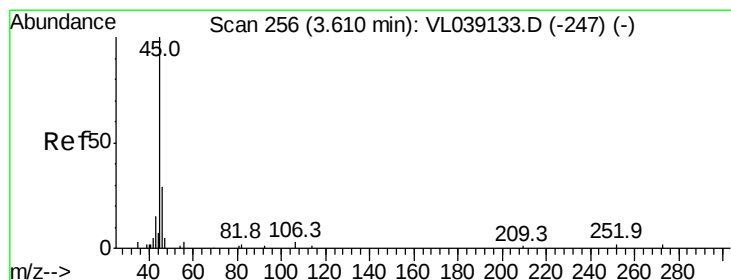
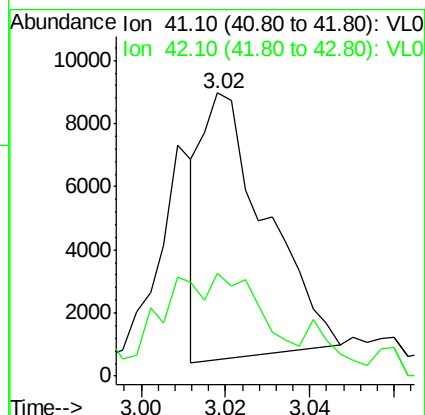
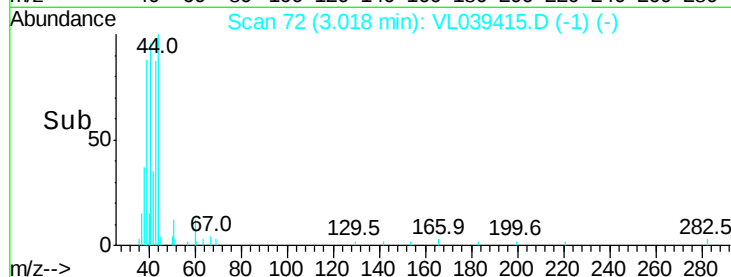
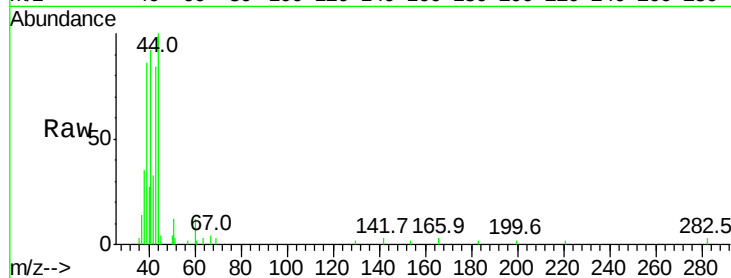
Acq: 30 Jun 2022 3:48

Tgt Ion: 41 Resp: 8839

Ion Ratio Lower Upper

41 100

42 86.5 55.2 82.8#



#13

Ethanol

Concen: 0.12 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.00 min

Lab File: VL039415.D

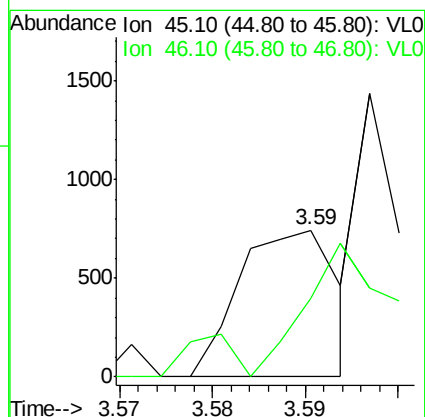
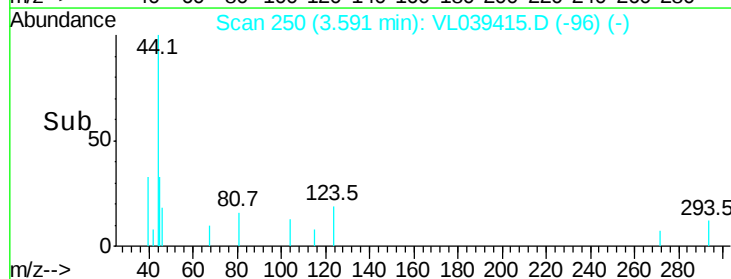
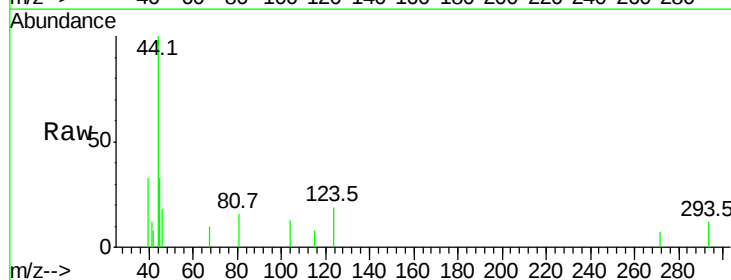
Acq: 30 Jun 2022 3:48

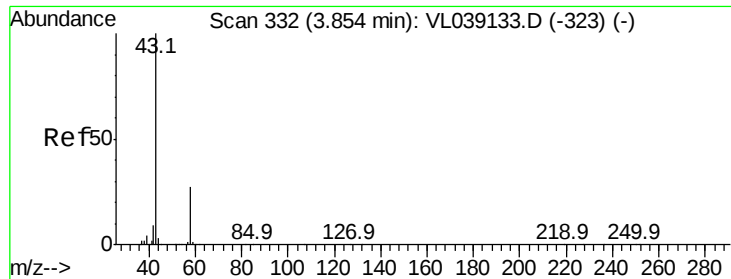
Tgt Ion: 45 Resp: 542

Ion Ratio Lower Upper

45 100

46 0.0 22.8 91.2#





#15

Acetone

Concen: 2.83 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

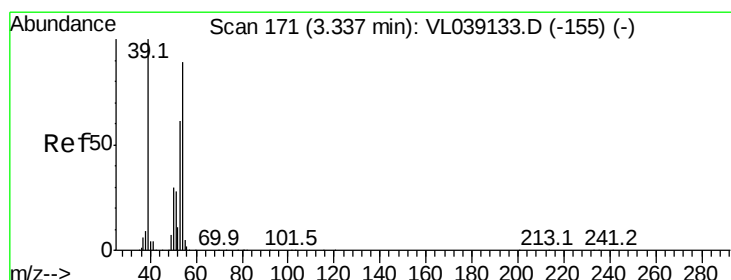
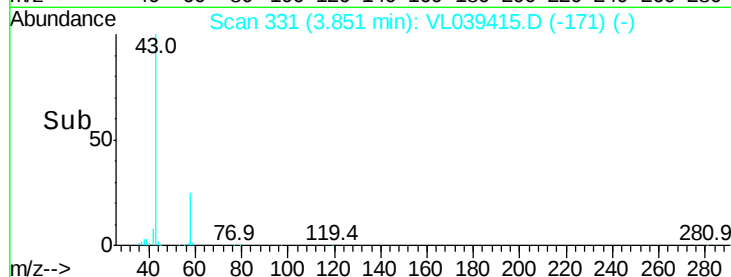
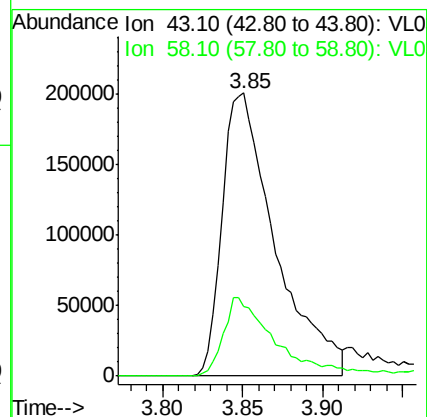
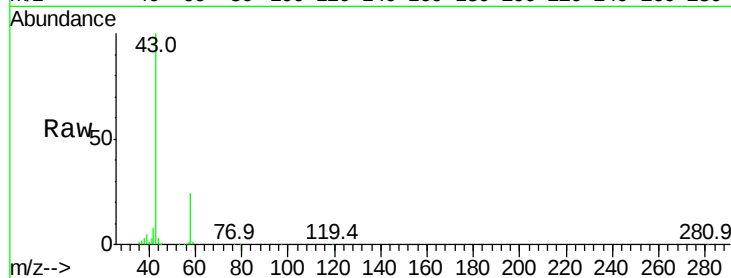
Acq: 30 Jun 2022 3:48

Tgt Ion: 43 Resp: 457713

Ion Ratio Lower Upper

43 100

58 28.6 21.0 31.6



#16

1,3-Butadiene

Concen: 0.40 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL039415.D

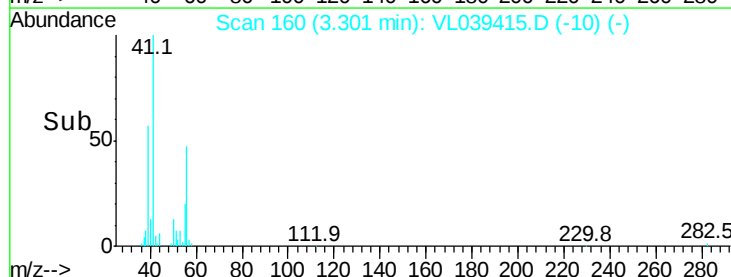
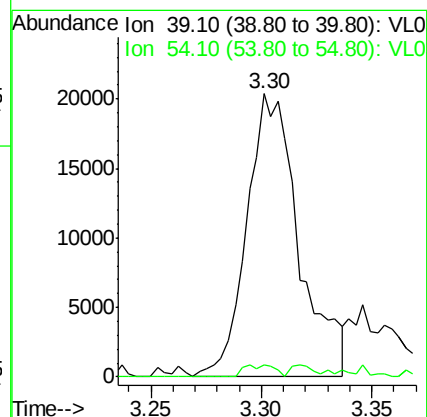
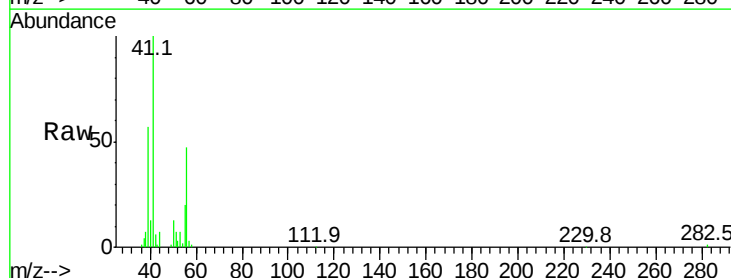
Acq: 30 Jun 2022 3:48

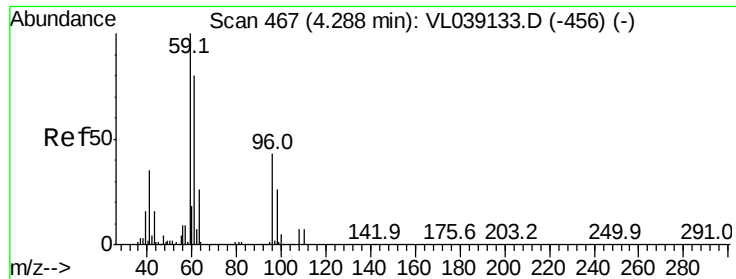
Tgt Ion: 39 Resp: 33491

Ion Ratio Lower Upper

39 100

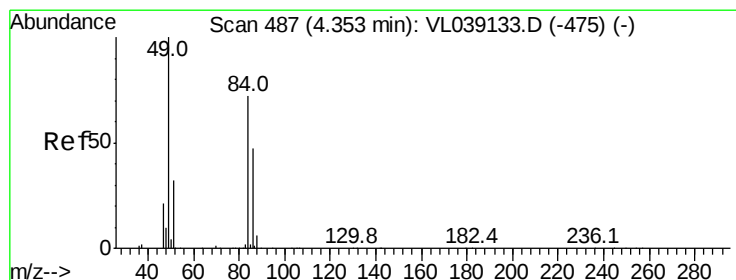
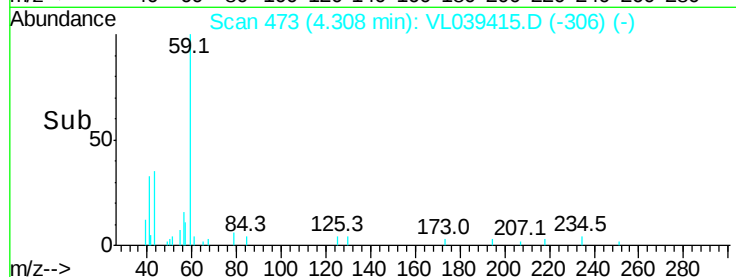
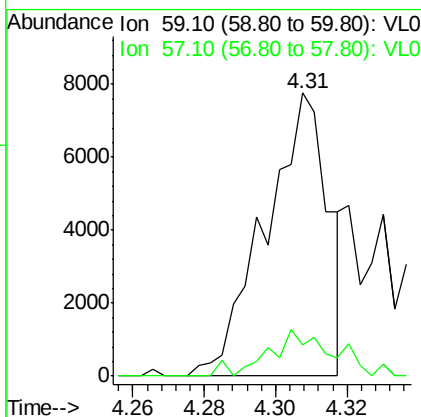
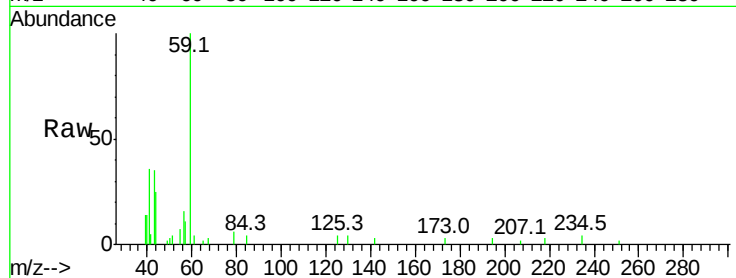
54 2.5 63.7 95.5#





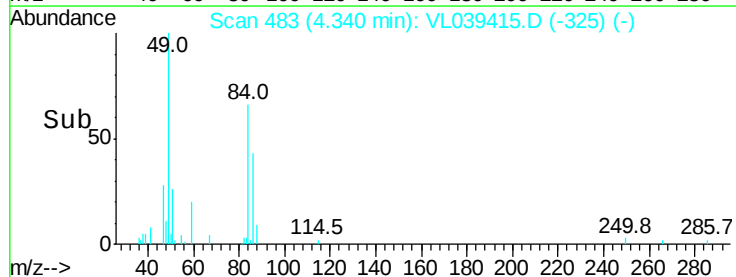
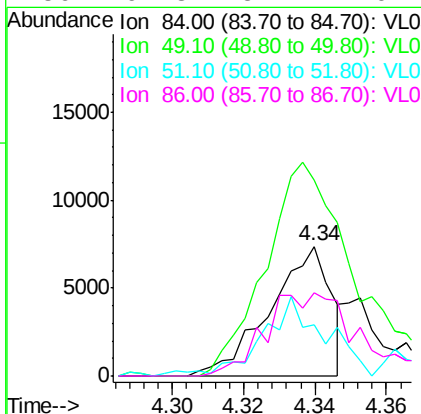
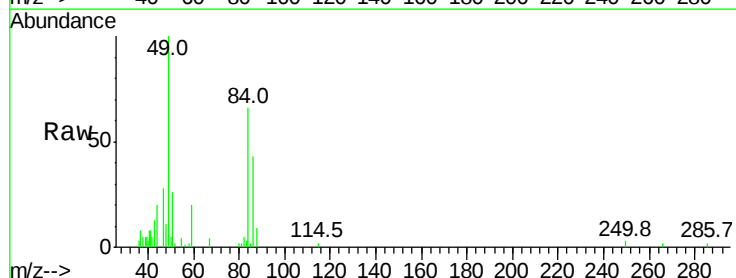
#17
 tert-Butyl alcohol
 Concen: 0.07 ppbv
 RT: 4.31
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 SV1DL
 Acq: 30 Jun 2022 3:48

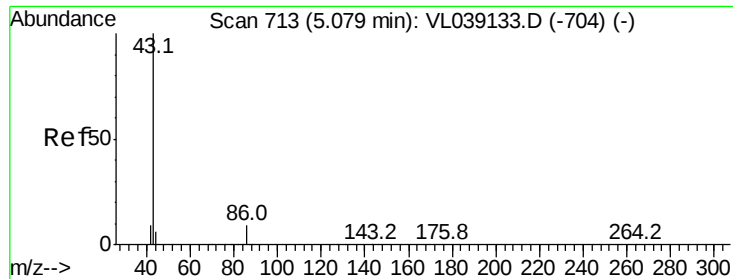
Tgt Ion: 59 Resp: 9475
 Ion Ratio Lower Upper
 59 100
 57 16.8 8.7 13.1#



#20
 Methylene Chloride
 Concen: 0.13 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.01 min
 Lab File: VL039415.D
 Acq: 30 Jun 2022 3:48

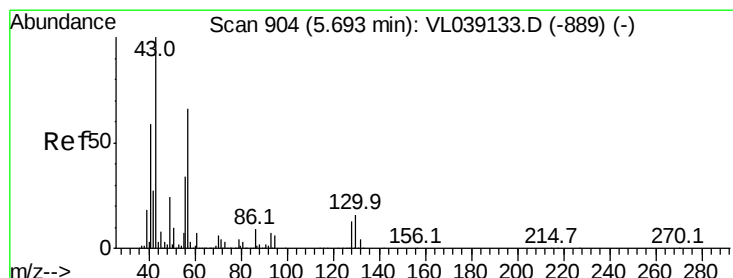
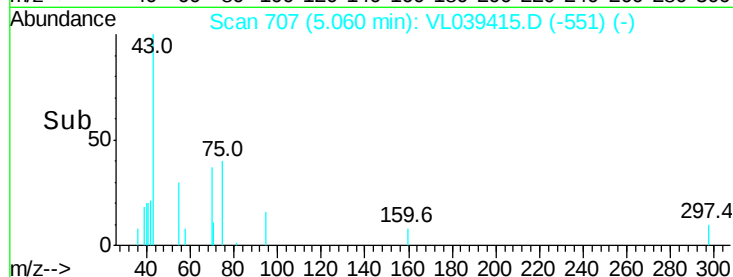
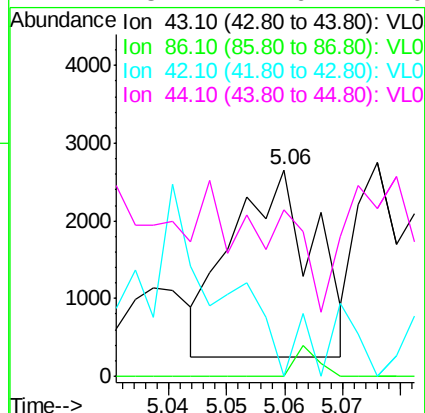
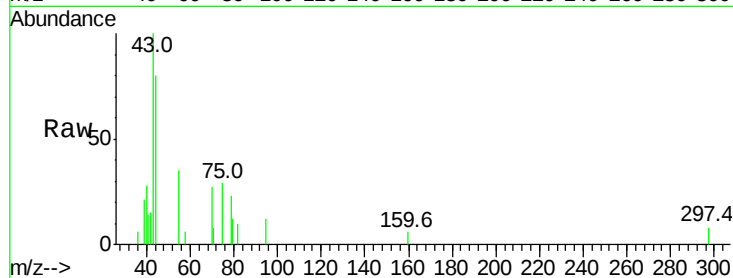
Tgt Ion: 84 Resp: 8683
 Ion Ratio Lower Upper
 84 100
 49 150.9 123.1 184.7
 51 38.1 34.4 51.6
 86 64.3 51.1 76.7





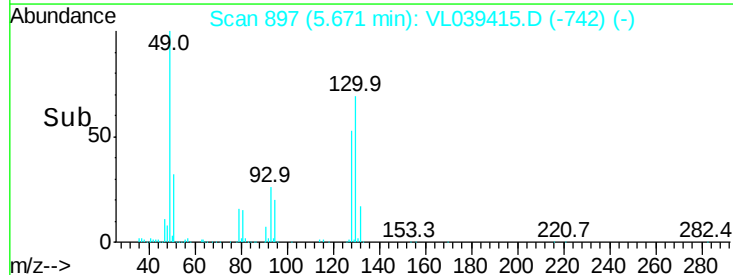
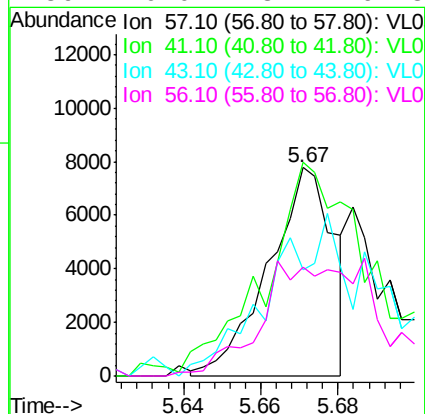
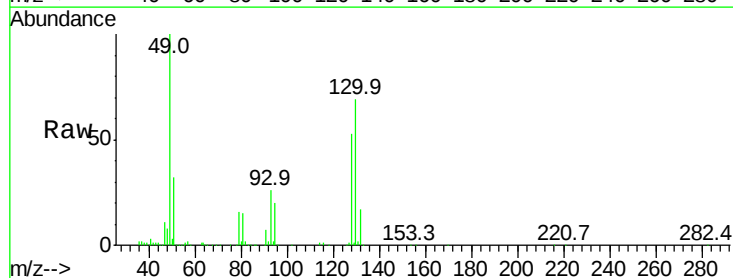
#23
 Vinyl Acetate
 Concen: 0.02 ppbv
 RT: 5.06
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1DL
 Acq: 30 Jun 2022 3:48

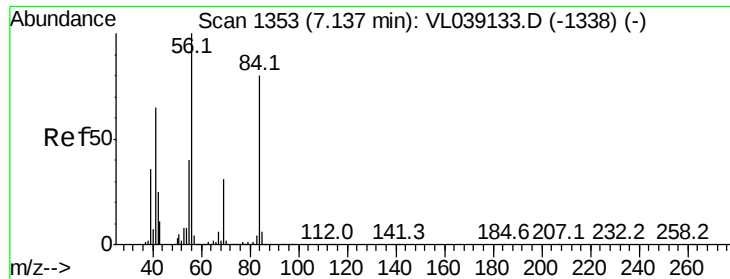
Tgt Ion:	43	Resp:	2377
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	0.0	7.7	11.5#
44	23.2	4.6	7.0#



#26
 Hexane
 Concen: 0.07 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: VL039415.D
 Acq: 30 Jun 2022 3:48

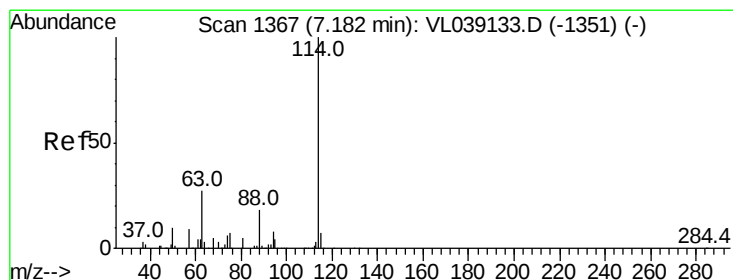
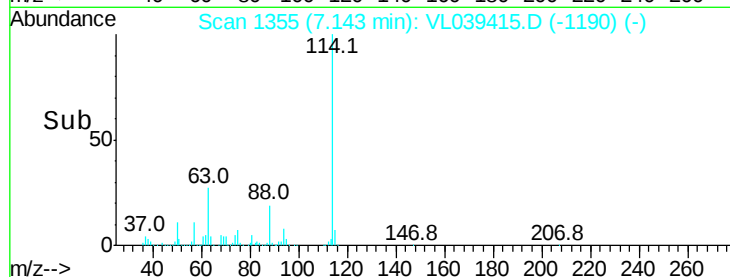
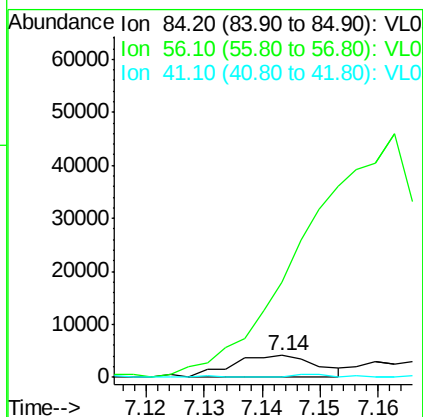
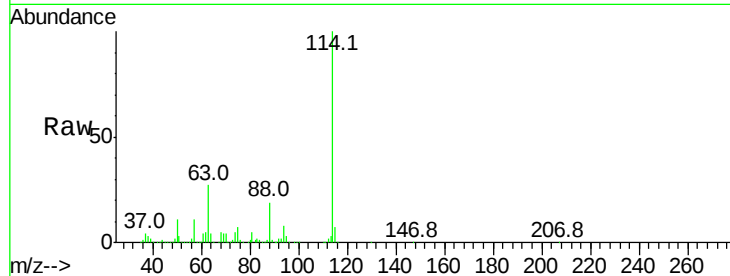
Tgt Ion:	57	Resp:	9025
Ion	Ratio	Lower	Upper
57	100		
41	197.0	76.9	115.3#
43	0.0	191.0	286.6#
56	0.0	43.2	64.8#





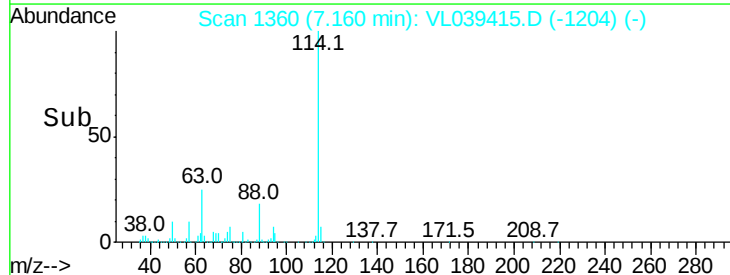
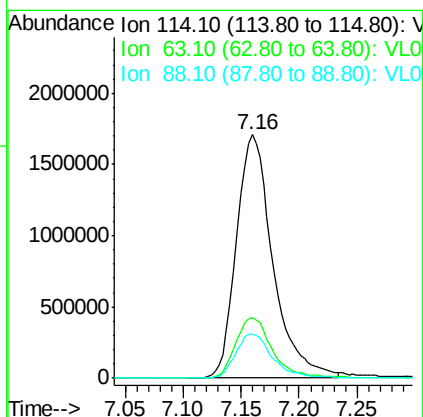
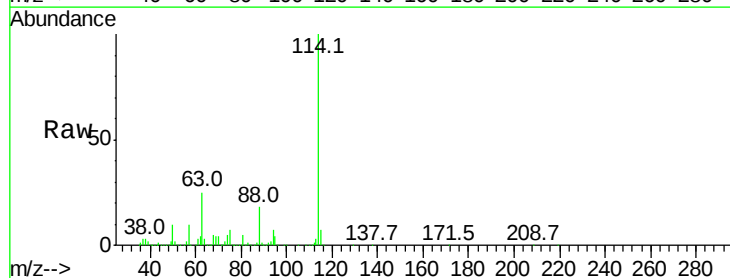
#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1DL
Acq: 30 Jun 2022 3:48

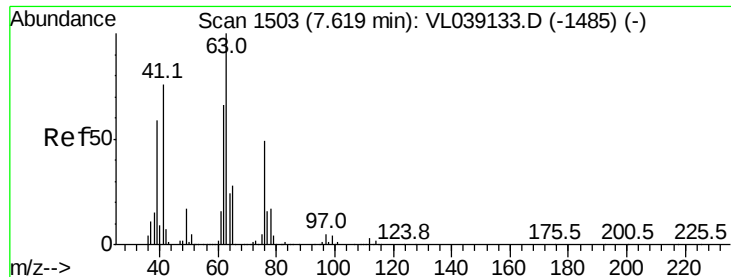
Tgt Ion: 84 Resp: 4237
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 8.6 67.7 101.5#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL039415.D
Acq: 30 Jun 2022 3:48

Tgt Ion: 114 Resp: 3737233
Ion Ratio Lower Upper
114 100
63 25.3 20.2 30.4
88 18.7 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.45 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 30 Jun 2022 3:48 SV1DL

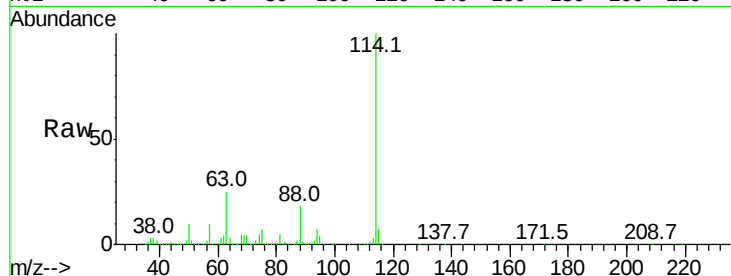
Tgt Ion: 63 Resp: 912921

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

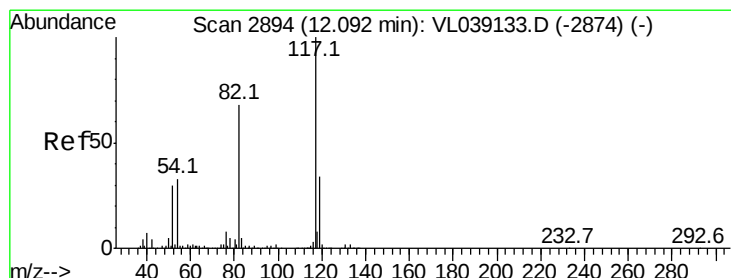
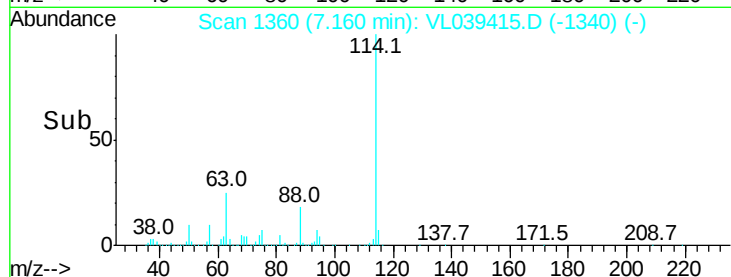
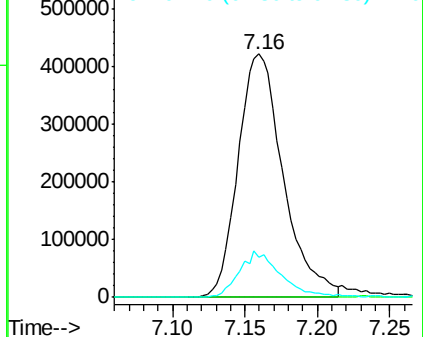
62 16.7 51.4 77.0#



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: 10.00 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VL039415.D

Acq: 30 Jun 2022 3:48

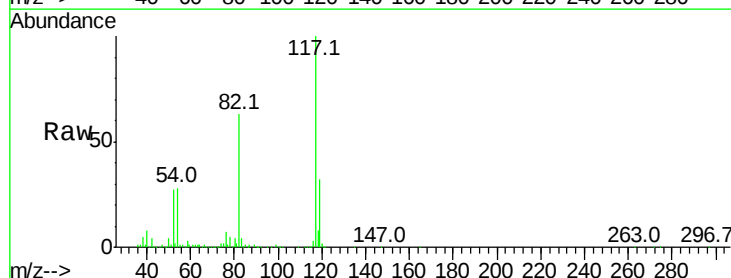
Tgt Ion: 117 Resp: 3282531

Ion Ratio Lower Upper

117 100

82 66.1 50.8 76.2

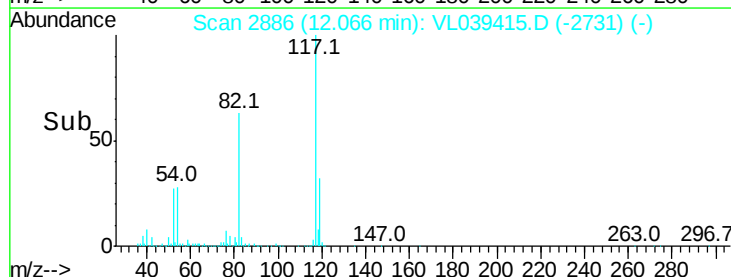
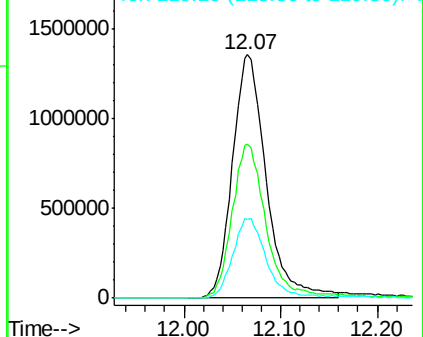
119 33.1 24.1 36.1

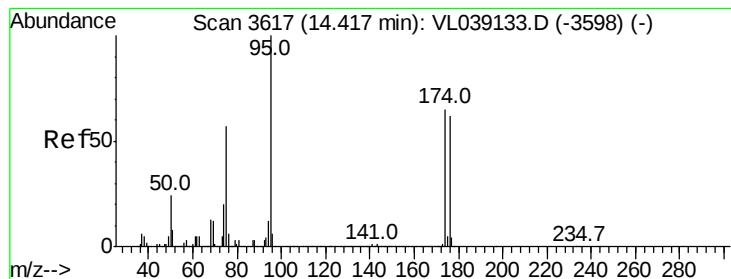


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.66 ppbv

RT: 14.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV1DL

Acq: 30 Jun 2022 3:48

Tgt Ion: 95 Resp: 2351605

Ion Ratio Lower Upper

95 100

174 74.5 55.9 83.9

175 5.5 4.2 6.4

