

Data File : VL037825.D
Acq On : 8 Oct 2021 10:20
Operator : SY/AP
Sample : M4079-13DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P06DL

Quant Time: Oct 09 18:06:41 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1339781	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3858206	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3315582	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2295223	9.90	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

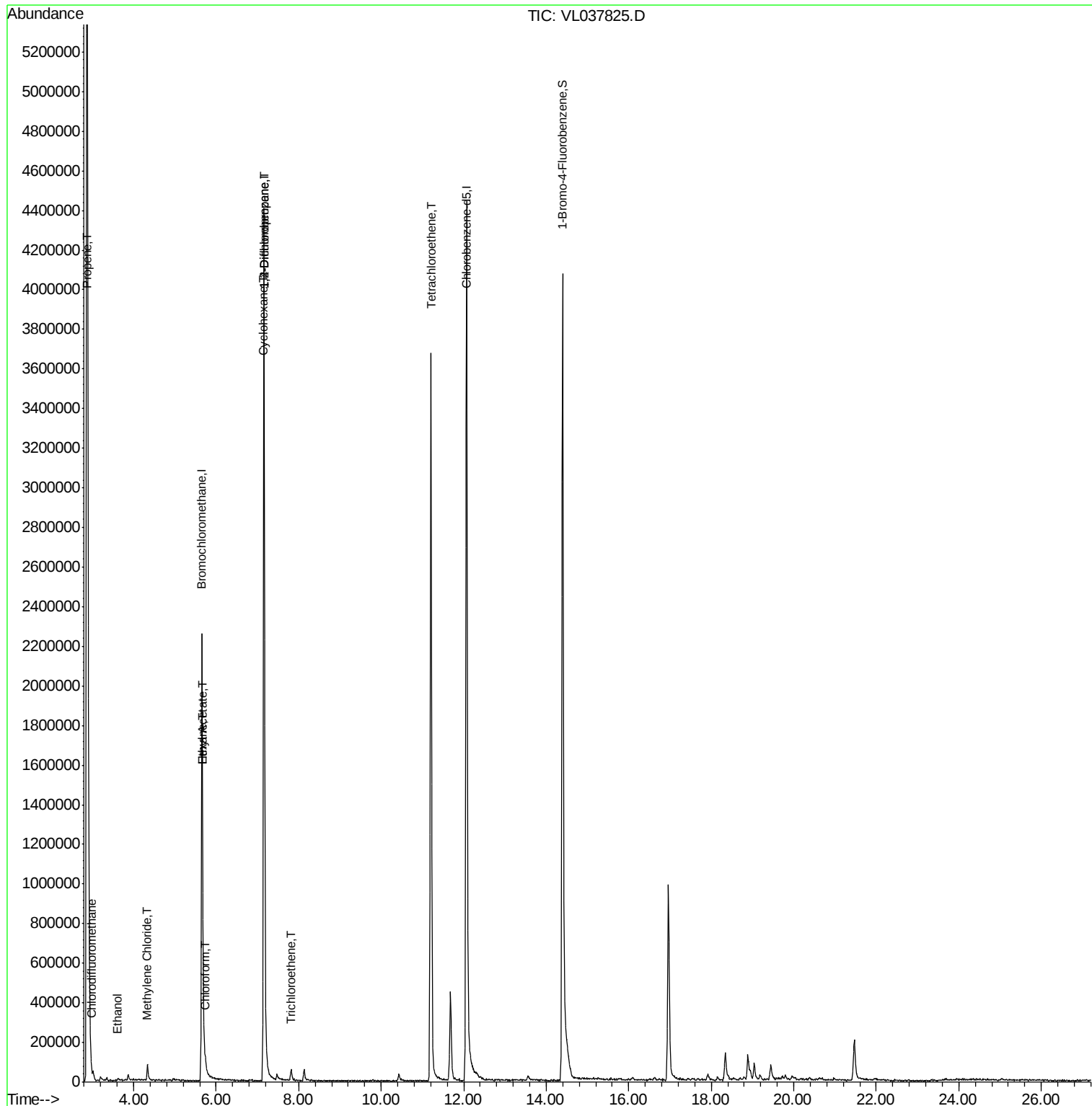
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	10773	0.042	ppbv	94
9) Propene	2.87	41	1958	0.021	ppbv	96
13) Ethanol	3.61	45	2897	0.374	ppbv #	27
20) Methylene Chloride	4.33	84	20285	0.334	ppbv #	66
25) Ethyl Acetate	5.68	43	14118	0.042	ppbv #	81
26) Hexane	5.68	57	9144	0.055	ppbv #	37
29) Chloroform	5.74	83	6740	0.028	ppbv	88
30) Cyclohexane	7.14	84	5205	0.037	ppbv #	1
38) Trichloroethene	7.82	130	7205	0.055	ppbv #	53
39) 1,2-Dichloropropane	7.16	63	913447	7.369	ppbv #	28
52) Tetrachloroethene	11.20	164	1022436	7.975	ppbv	98

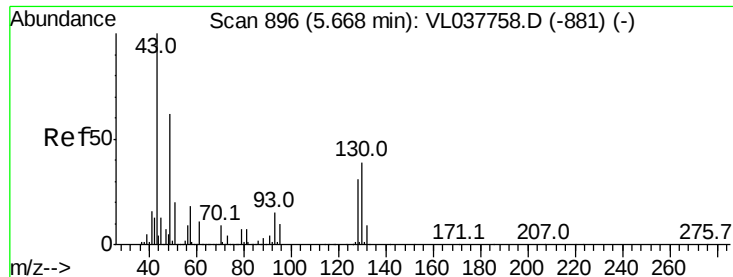
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL037825.D
Acq On : 8 Oct 2021 10:20
Operator : SY/AP
Sample : M4079-13DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P06DL

Quant Time: Oct 09 18:06:41 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL037825.D

Acq: 8 Oct 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

C0P06DL

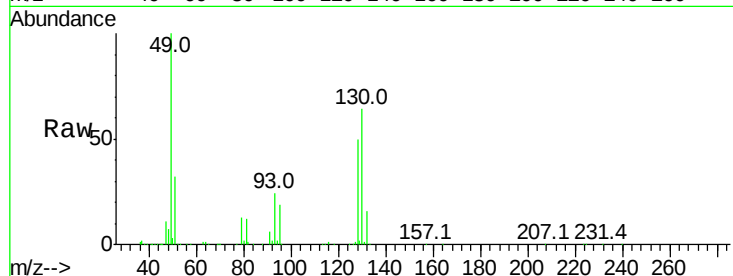
Tgt Ion: 49 Resp: 1339781

Ion Ratio Lower Upper

49 100

128 51.7 27.1 81.3

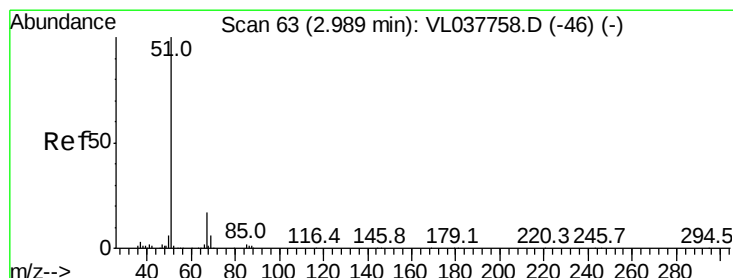
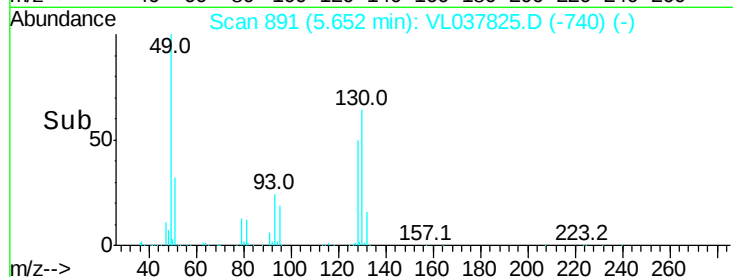
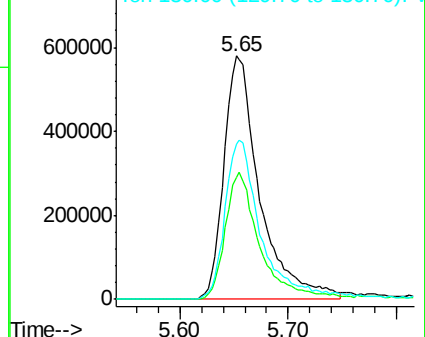
130 68.2 33.2 99.6



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



#3

Chlorodifluoromethane

Concen: 0.042 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037825.D

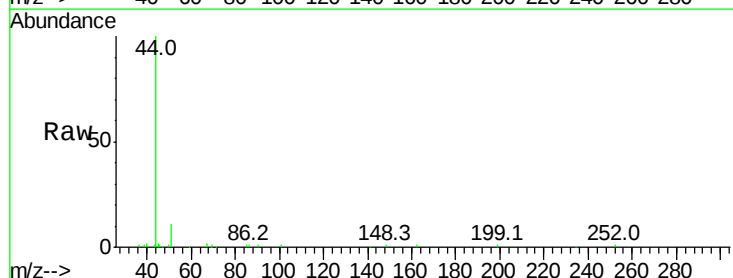
Acq: 8 Oct 2021 10:20

Tgt Ion: 51 Resp: 10773

Ion Ratio Lower Upper

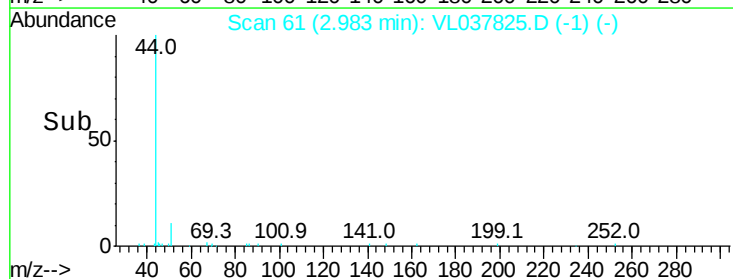
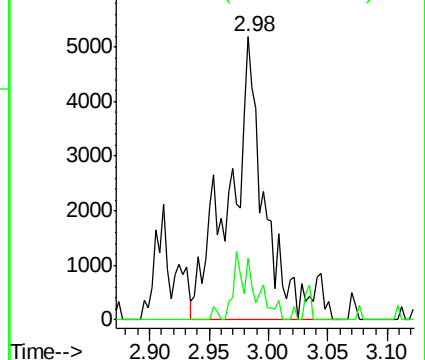
51 100

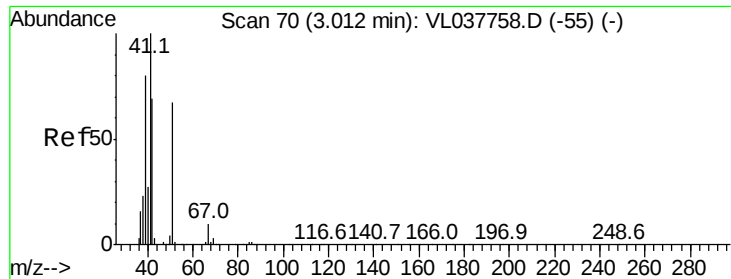
67 14.1 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.021 ppbv

RT: 2.87 min Scan# 26

Delta R.T. -0.14 min

Lab File: VL037825.D

Acq: 8 Oct 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

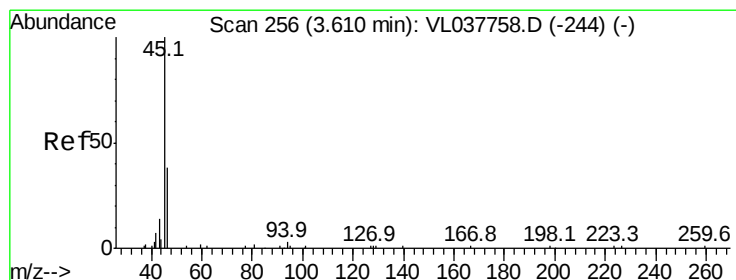
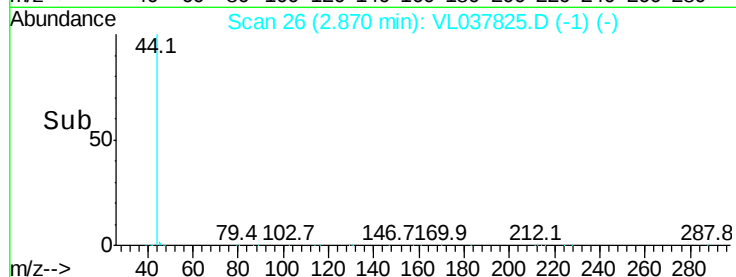
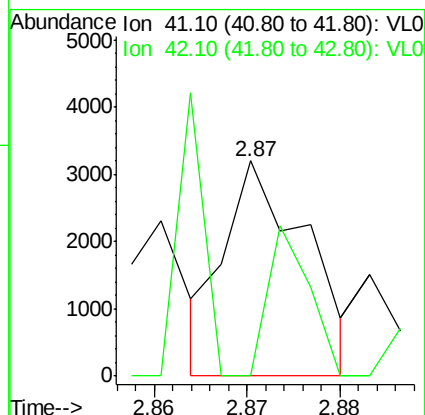
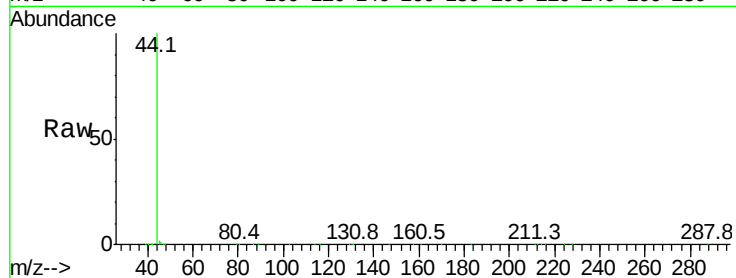
C0P06DL

Tgt Ion: 41 Resp: 1958

Ion Ratio Lower Upper

41 100

42 70.8 54.2 81.2



#13

Ethanol

Concen: 0.374 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL037825.D

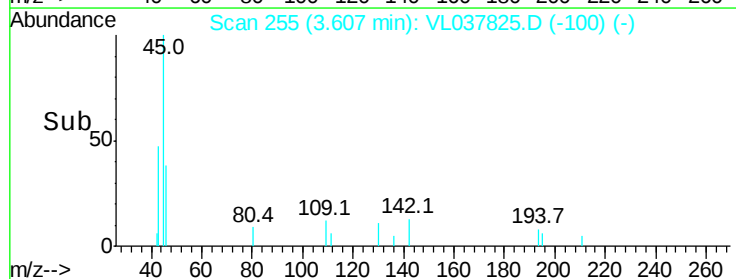
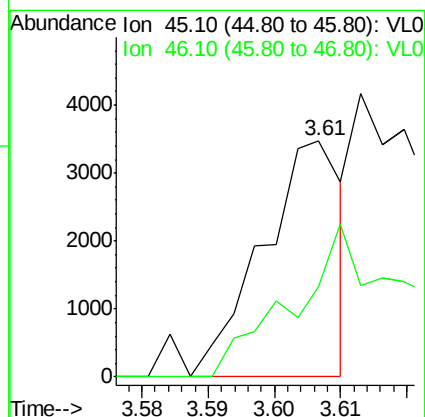
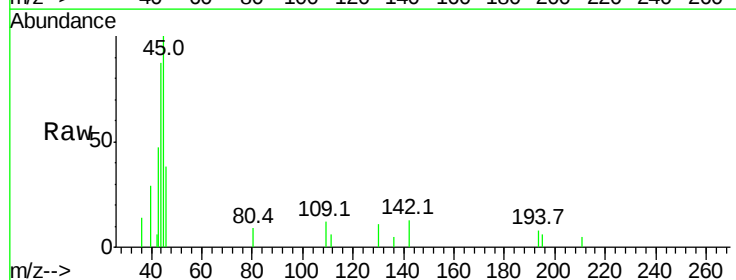
Acq: 8 Oct 2021 10:20

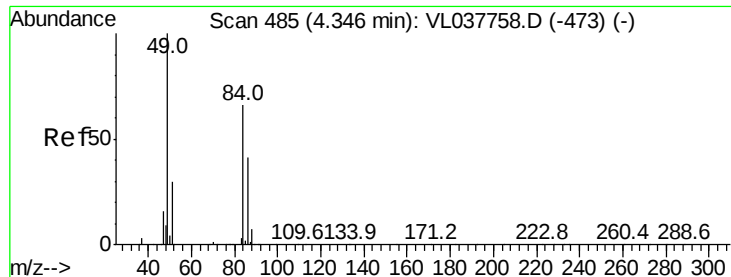
Tgt Ion: 45 Resp: 2897

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#

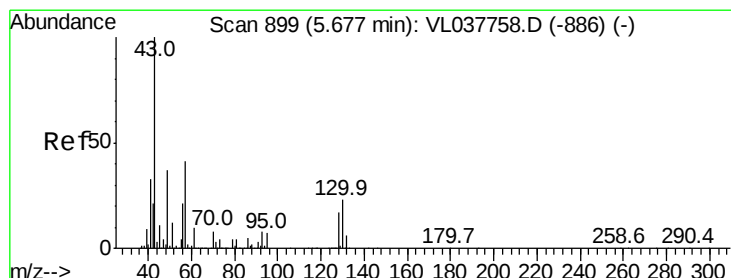
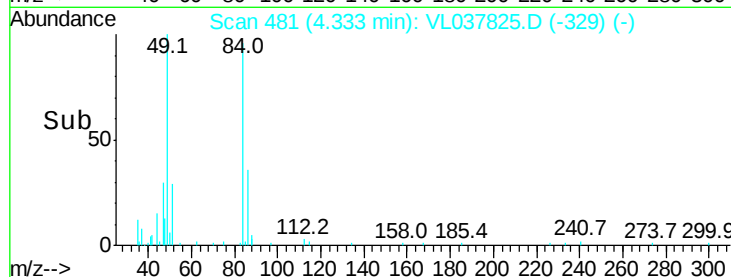
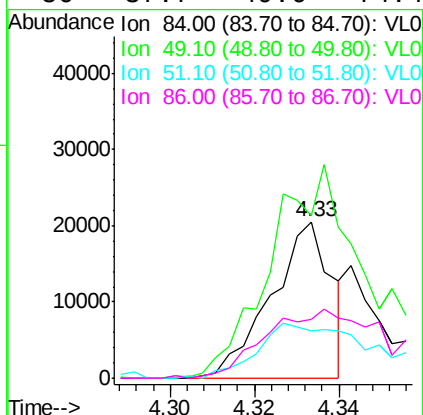
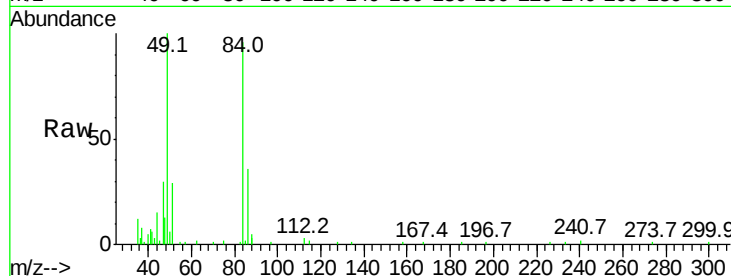




#20
Methylene Chloride
Concen: 0.334 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL037825.D
Acq: 8 Oct 2021 10:20

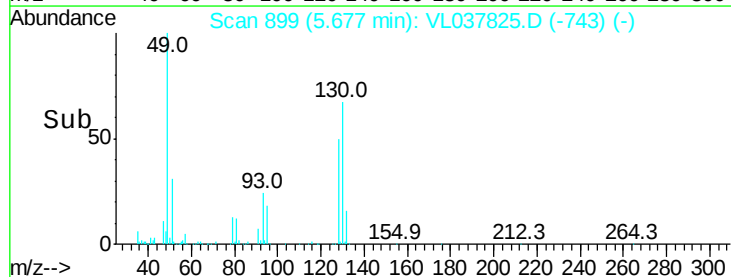
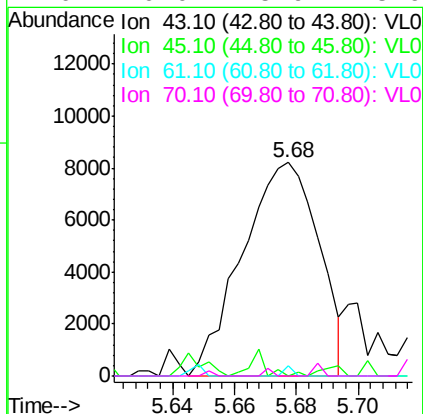
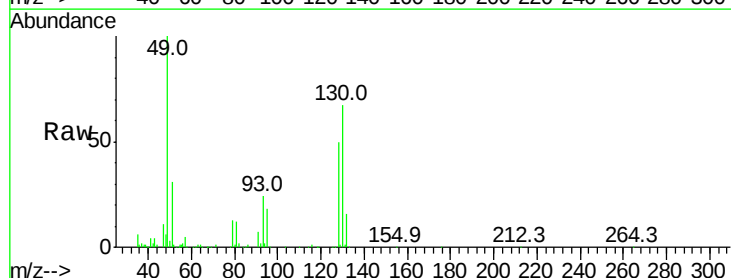
Instrument :
MSVOA_L
ClientSampleId :
C0P06DL

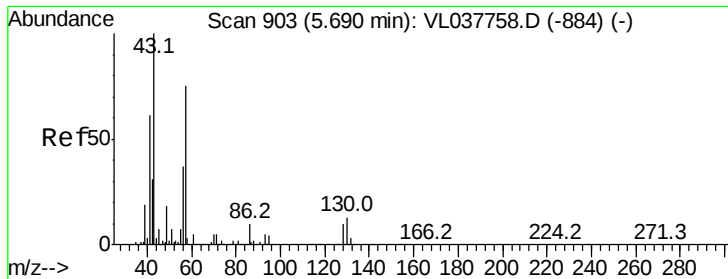
Tgt Ion:	84	Resp:	20285
Ion	Ratio	Lower	Upper
84	100		
49	103.2	120.7	181.1#
51	28.5	36.2	54.4#
86	37.7	49.6	74.4#



#25
Ethyl Acetate
Concen: 0.042 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL037825.D
Acq: 8 Oct 2021 10:20

Tgt Ion:	43	Resp:	14118
Ion	Ratio	Lower	Upper
43	100		
45	5.7	8.1	12.1#
61	0.0	7.5	11.3#
70	0.0	5.9	8.9#

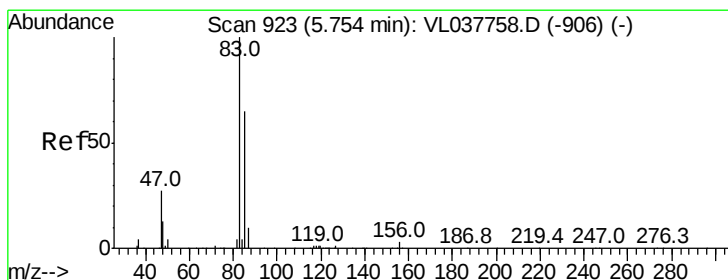
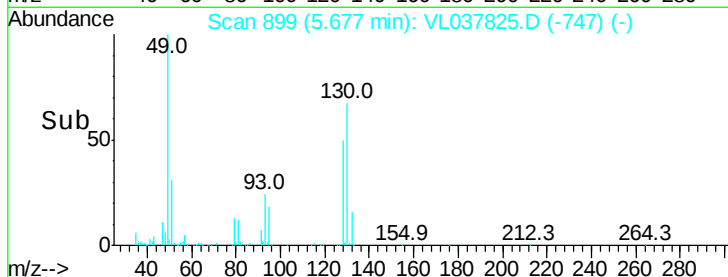
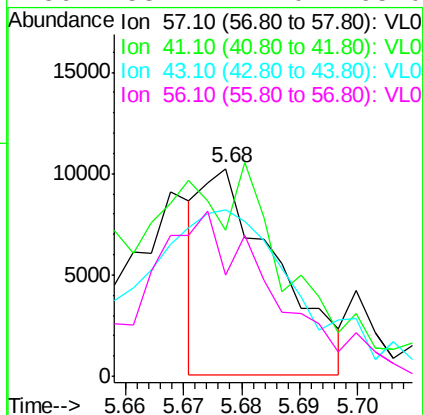
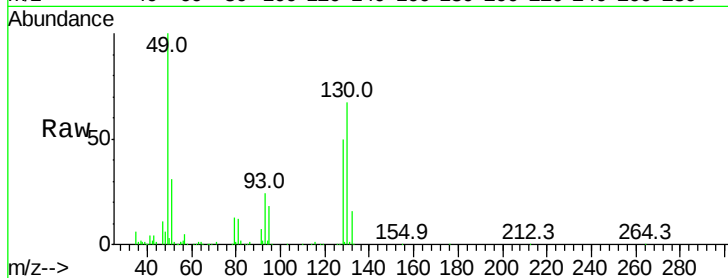




#26
Hexane
Concen: 0.055 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL037825.D
Acq: 8 Oct 2021 10:20

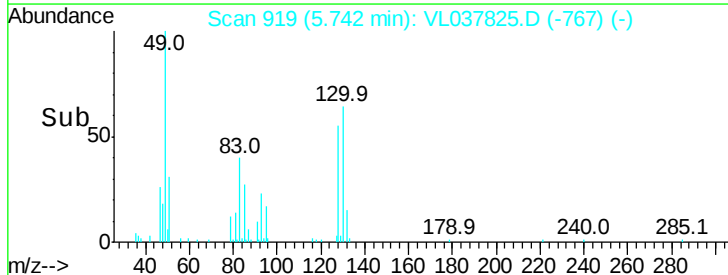
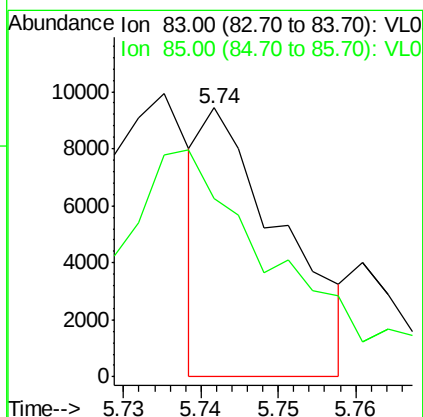
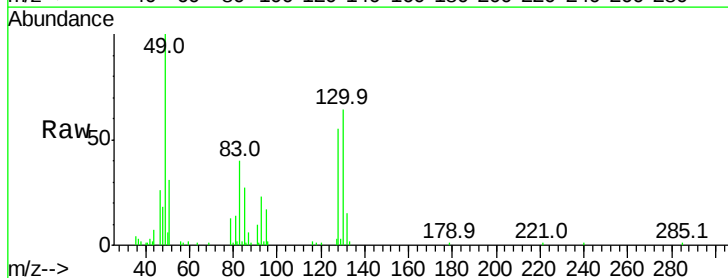
Instrument :
MSVOA_L
ClientSampleId :
C0P06DL

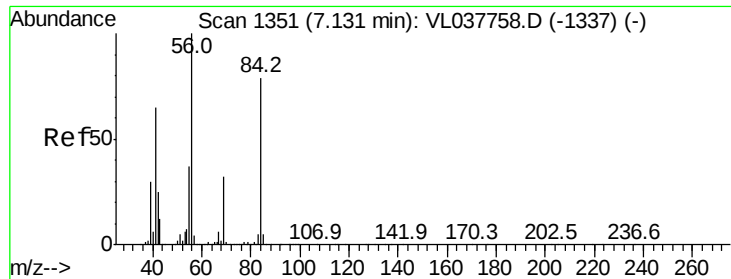
Tgt Ion: 57 Resp: 9144
Ion Ratio Lower Upper
57 100
41 219.2 69.6 104.4#
43 198.2 171.4 257.0
56 153.4 42.0 63.0#



#29
Chloroform
Concen: 0.028 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL037825.D
Acq: 8 Oct 2021 10:20

Tgt Ion: 83 Resp: 6740
Ion Ratio Lower Upper
83 100
85 55.5 51.8 77.8

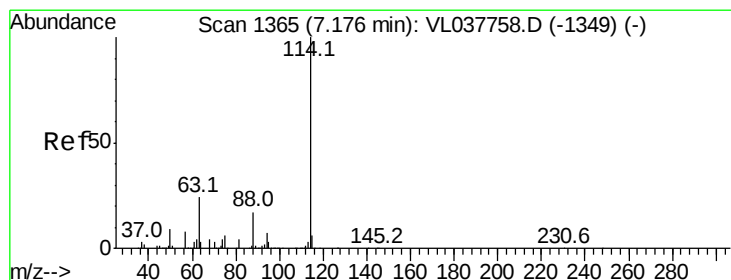
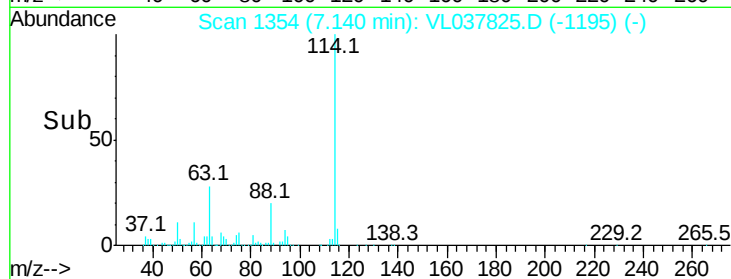
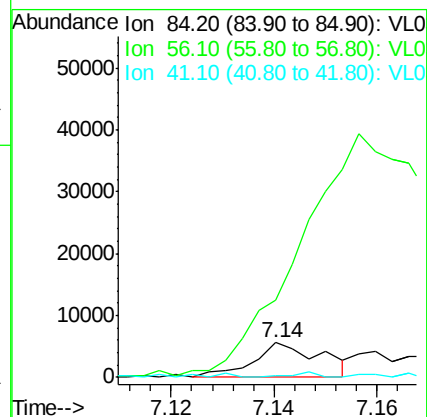
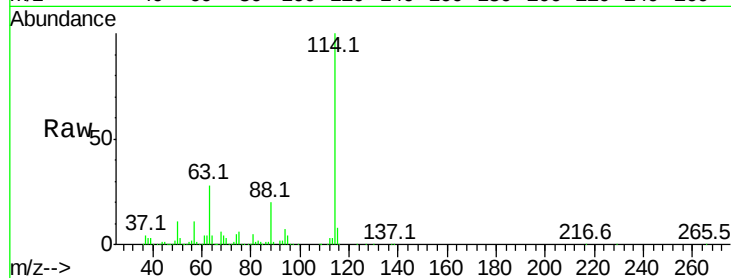




#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL037825.D
Acq: 8 Oct 2021 10:20

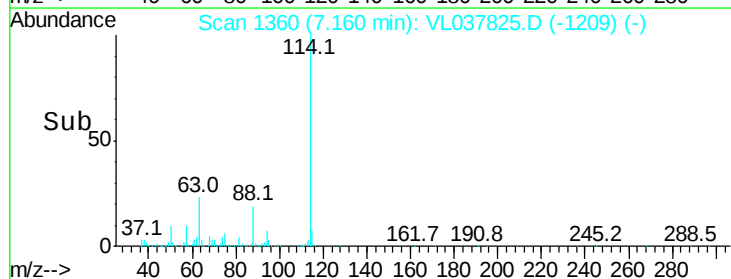
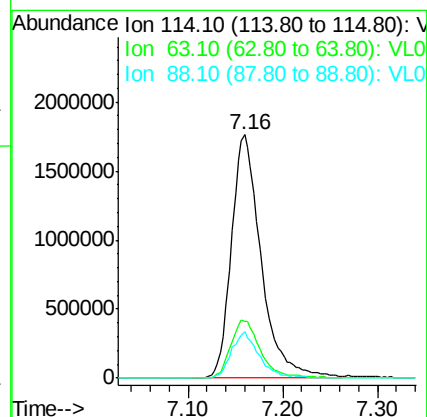
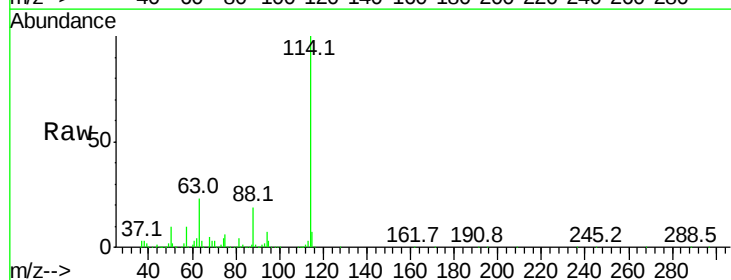
Instrument :
MSVOA_L
ClientSampleId :
C0P06DL

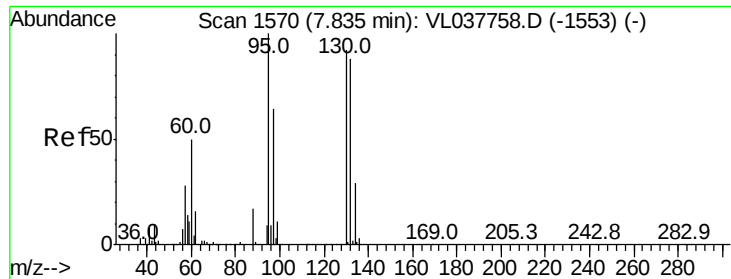
Tgt Ion: 84 Resp: 5205
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 17.0 69.1 103.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL037825.D
Acq: 8 Oct 2021 10:20

Tgt Ion: 114 Resp: 3858206
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.2
88 18.0 14.4 21.6





#38

Trichloroethene

Concen: 0.055 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.02 min

Lab File: VL037825.D

Acq: 8 Oct 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

C0P06DL

Tgt Ion:130 Resp: 7205

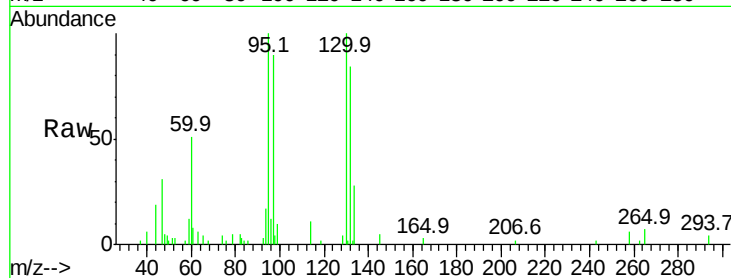
Ion Ratio Lower Upper

130 100

95 32.6 87.4 131.0#

132 71.3 76.8 115.2#

97 100.8 55.8 83.8#

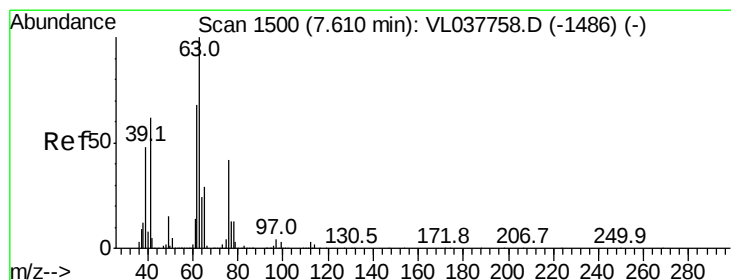
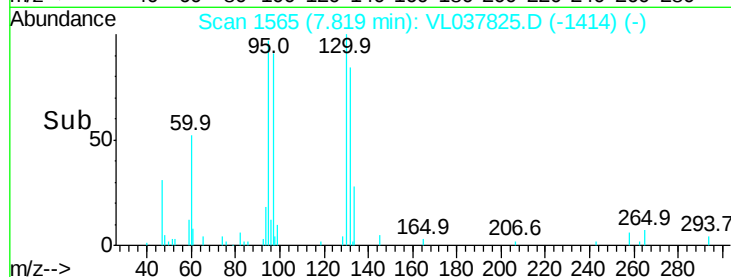
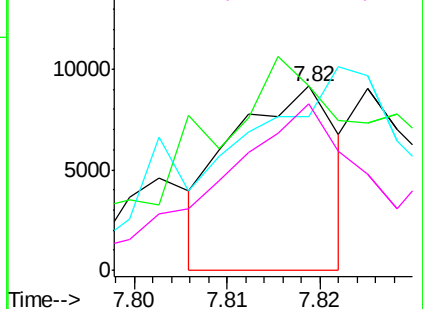


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.369 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.45 min

Lab File: VL037825.D

Acq: 8 Oct 2021 10:20

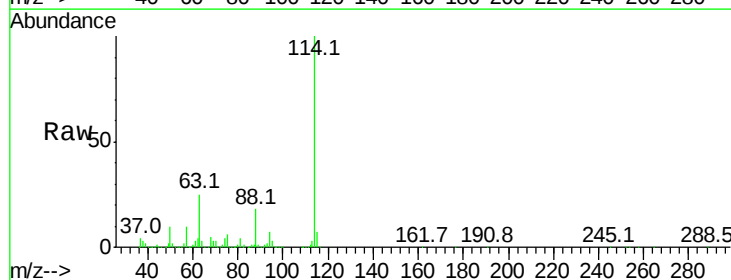
Tgt Ion: 63 Resp: 913447

Ion Ratio Lower Upper

63 100

41 0.0 49.8 74.6#

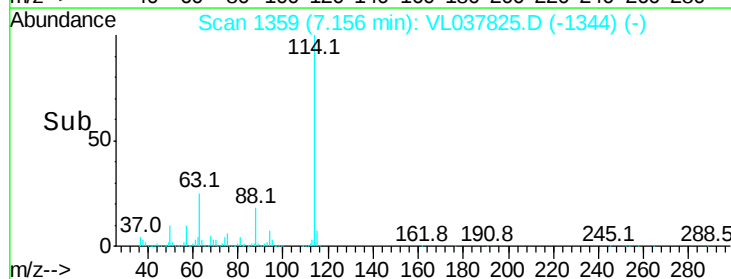
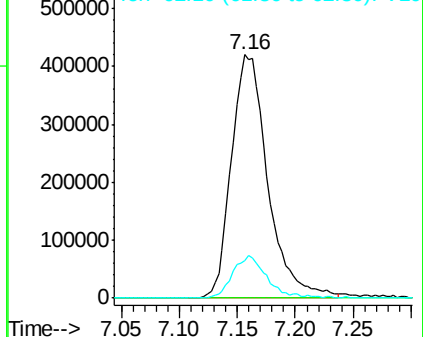
62 15.7 54.6 82.0#

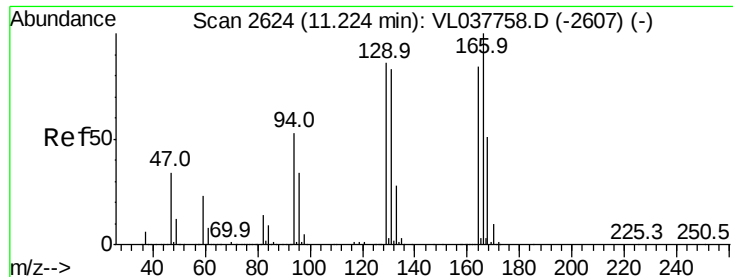


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 7.975 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. -0.02 min

Lab File: VL037825.D

Acq: 8 Oct 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

C0P06DL

Tgt Ion:164 Resp: 1022436

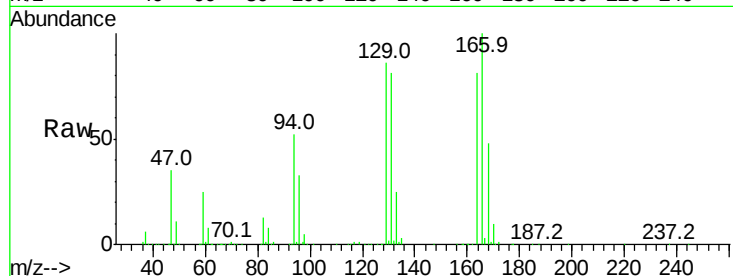
Ion Ratio Lower Upper

164 100

166 122.9 95.4 143.2

129 106.2 82.2 123.4

131 99.9 79.4 119.2



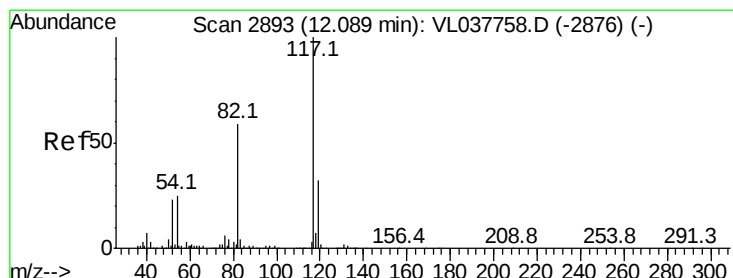
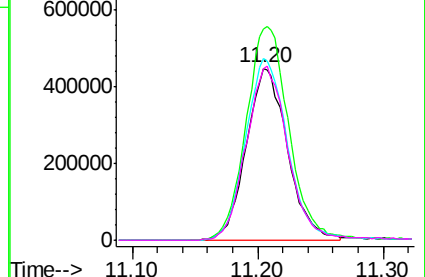
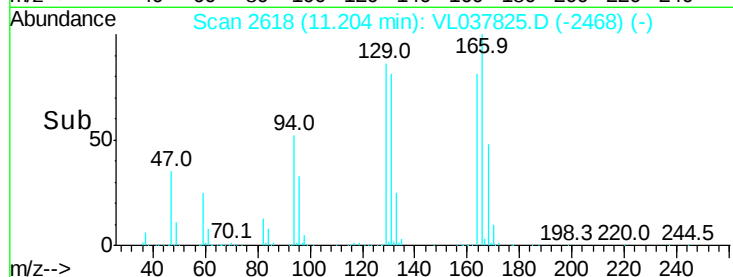
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.02 min

Lab File: VL037825.D

Acq: 8 Oct 2021 10:20

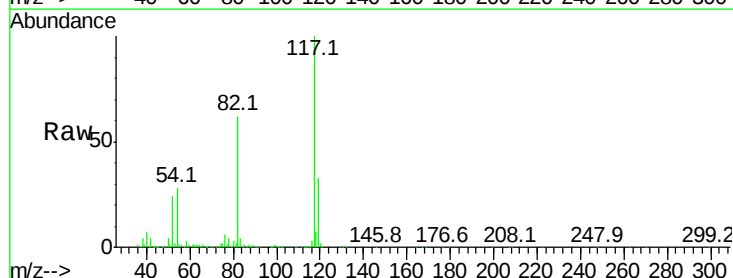
Tgt Ion:117 Resp: 3315582

Ion Ratio Lower Upper

117 100

82 62.9 52.2 78.2

119 33.8 26.0 39.0

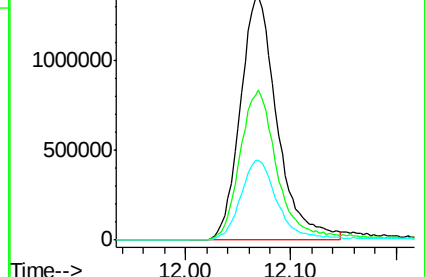
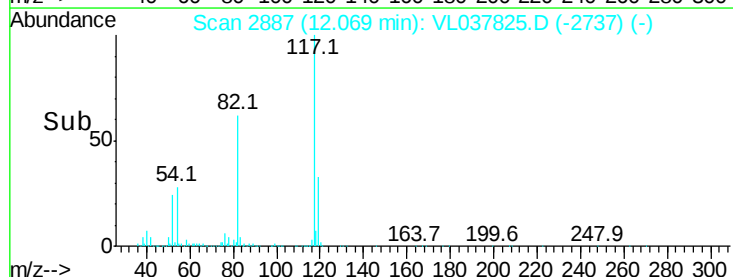


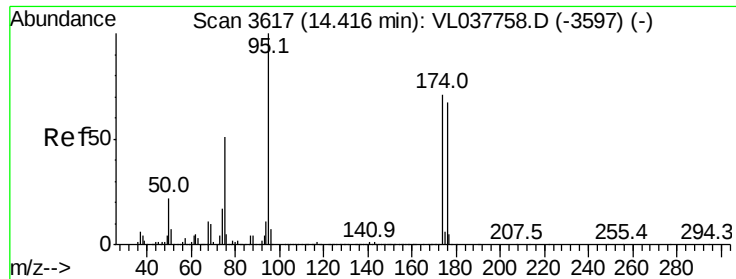
Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

Time-->





#68

1-Bromo-4-Fluorobenzene

Concen: 9.899 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL037825.D

Acq: 8 Oct 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

C0P06DL

Tgt Ion: 95 Resp: 2295223

Ion Ratio Lower Upper

95 100

174 76.0 57.8 86.6

175 5.5 4.7 7.1

