

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037800.D
 Acq On : 7 Oct 2021 17:45
 Operator : SY/AP
 Sample : M4079-07DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P18DL

Quant Time: Oct 08 10:06:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1476178	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4216480	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	3617896	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.39	95	2541547	10.05	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%	

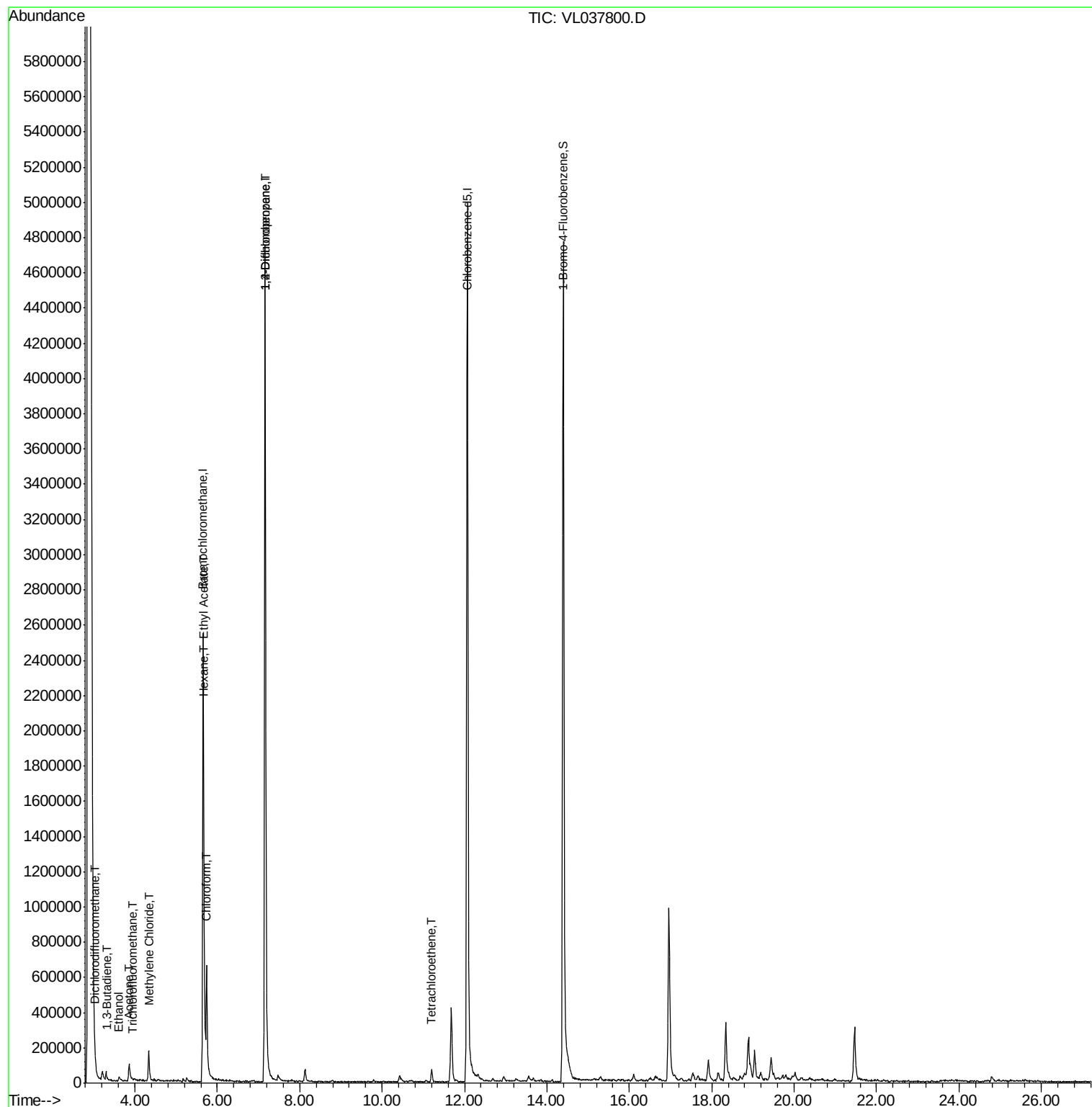
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	11522	0.049	ppbv #	80
11) Trichlorofluoromethane	3.94	101	4326	0.021	ppbv #	46
13) Ethanol	3.61	45	11859	1.389	ppbv #	27
15) Acetone	3.86	43	129408	0.977	ppbv #	85
16) 1,3-Butadiene	3.32	39	2293	0.024	ppbv #	11
20) Methylene Chloride	4.34	84	61544	0.919	ppbv	92
25) Ethyl Acetate	5.67	43	17474	0.047	ppbv #	80
26) Hexane	5.67	57	50819	0.278	ppbv #	42
29) Chloroform	5.74	83	441205	1.686	ppbv	99
39) 1,2-Dichloropropane	7.16	63	985490	7.275	ppbv #	29
52) Tetrachloroethene	11.21	164	7427	0.053	ppbv #	71

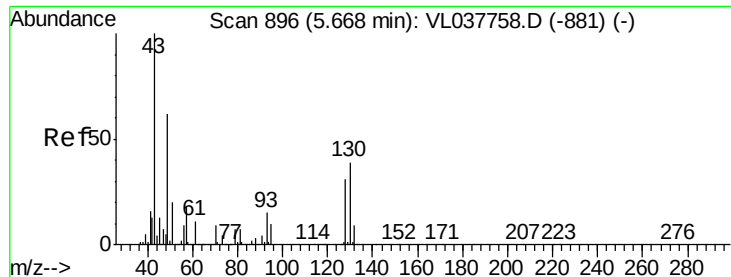
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL037800.D

Acq: 7 Oct 2021 17:45

Instrument :

MSVOA_L

ClientSampleId :

C0P18DL

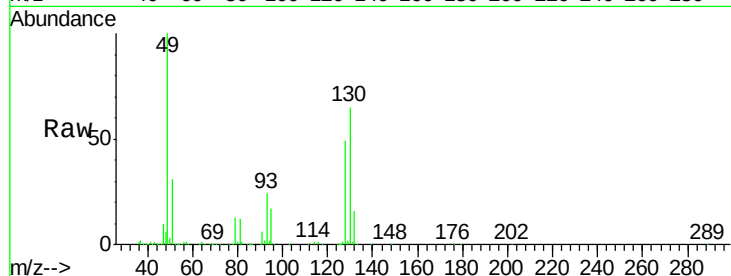
Tgt Ion: 49 Resp: 1476178

Ion Ratio Lower Upper

49 100

128 52.8 27.1 81.3

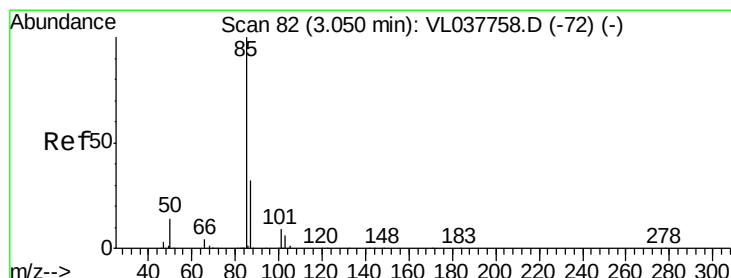
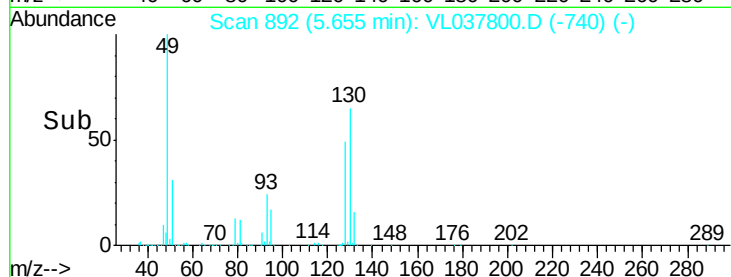
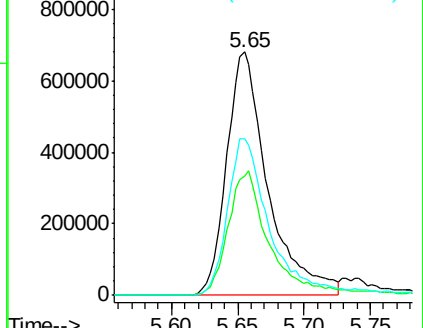
130 68.4 33.2 99.6



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



#2

Dichlorodifluoromethane

Concen: 0.049 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037800.D

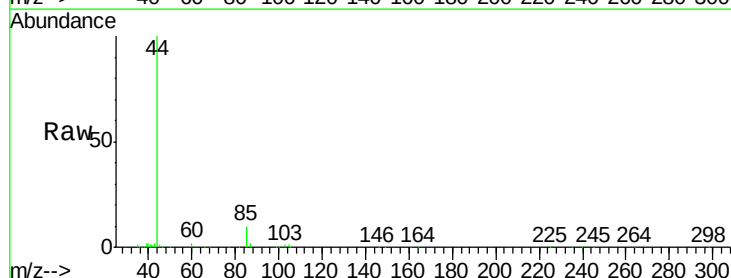
Acq: 7 Oct 2021 17:45

Tgt Ion: 85 Resp: 11522

Ion Ratio Lower Upper

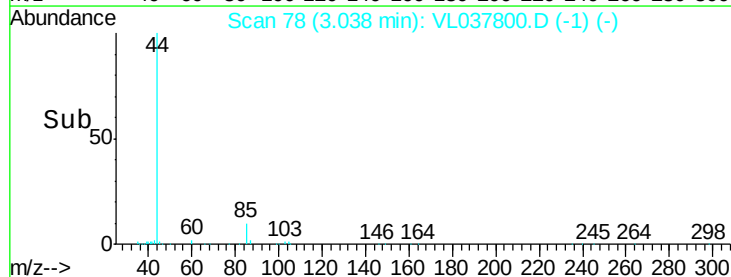
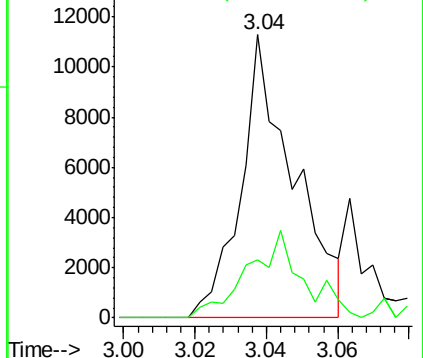
85 100

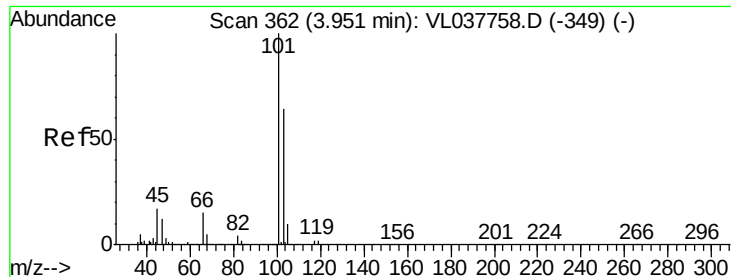
87 20.7 25.7 38.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#11

Trichlorofluoromethane

Concen: 0.021 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.01 min

Lab File: VL037800.D

Acq: 7 Oct 2021 17:45

Instrument :

MSVOA_L

ClientSampleId :

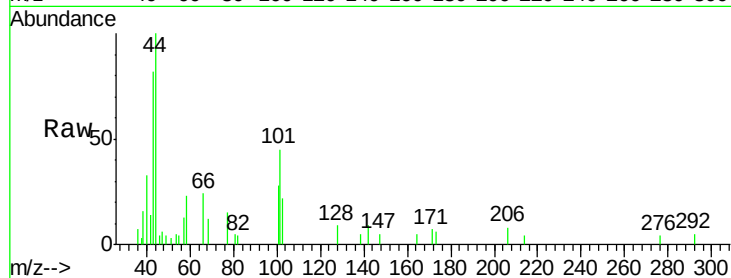
C0P18DL

Tgt Ion:101 Resp: 4326

Ion Ratio Lower Upper

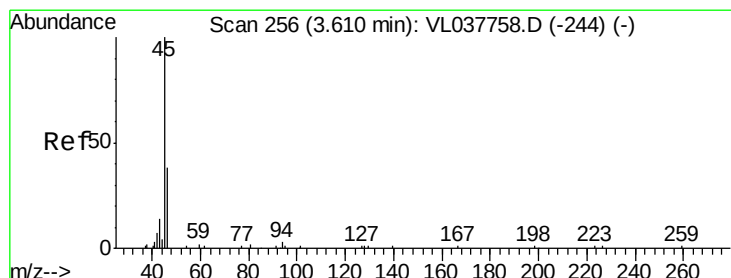
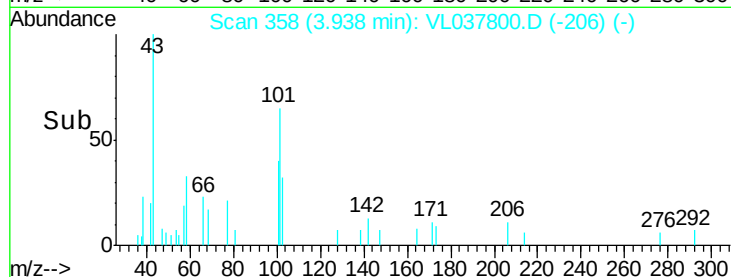
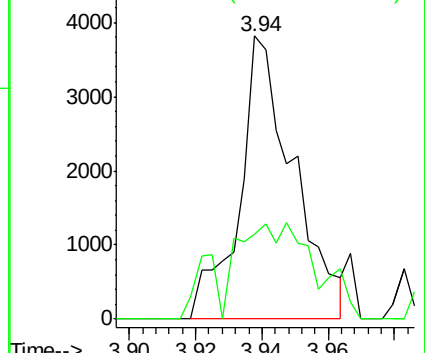
101 100

103 22.2 51.5 77.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 1.389 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL037800.D

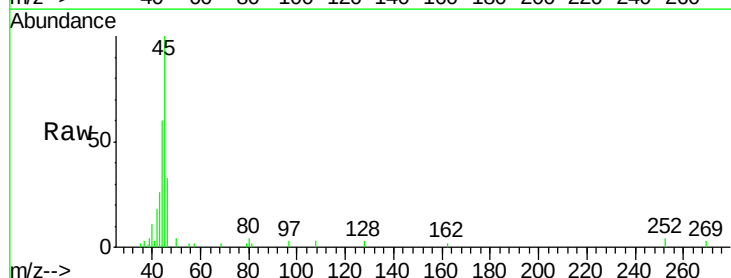
Acq: 7 Oct 2021 17:45

Tgt Ion: 45 Resp: 11859

Ion Ratio Lower Upper

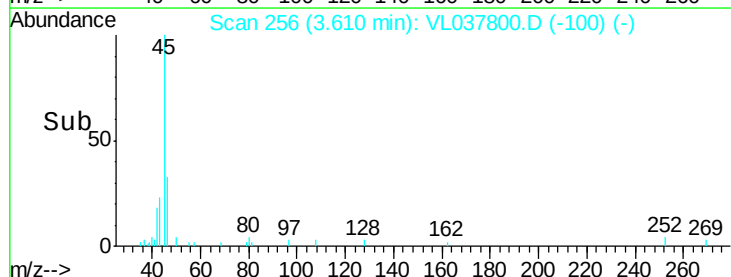
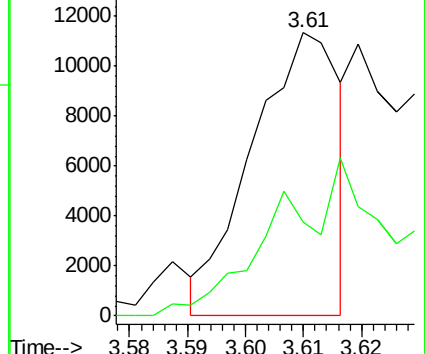
45 100

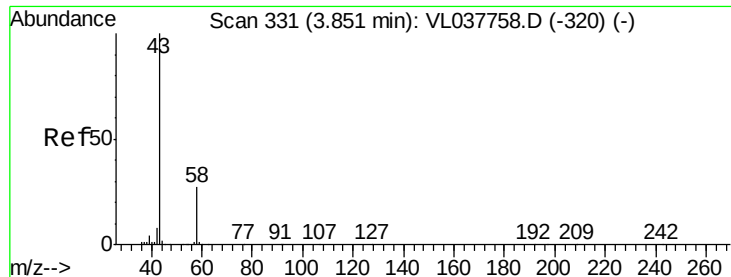
46 0.0 20.2 81.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.977 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL037800.D

Acq: 7 Oct 2021 17:45

Instrument :

MSVOA_L

ClientSampleId :

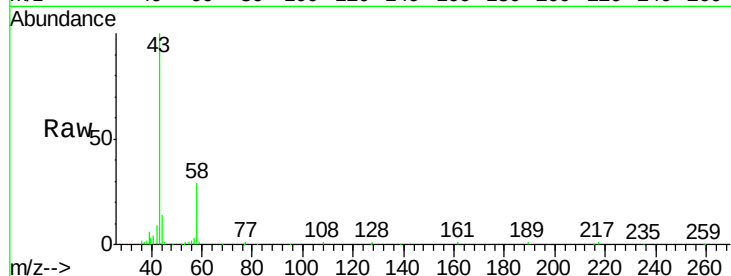
C0P18DL

Tgt Ion: 43 Resp: 129408

Ion Ratio Lower Upper

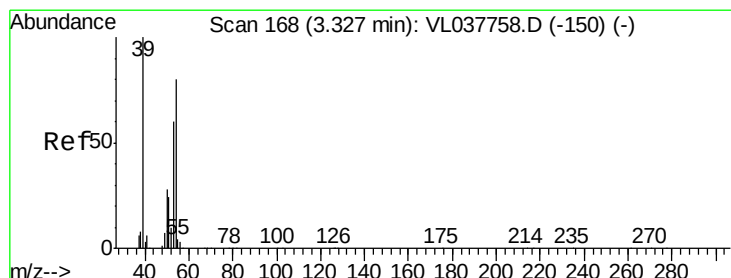
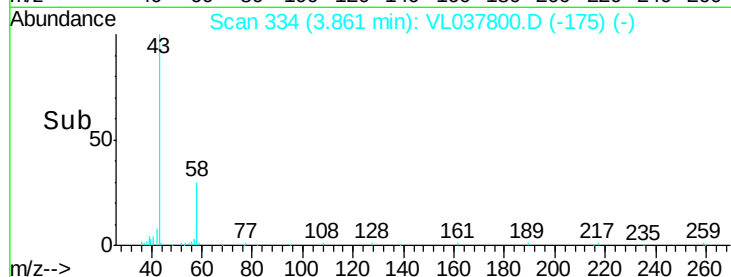
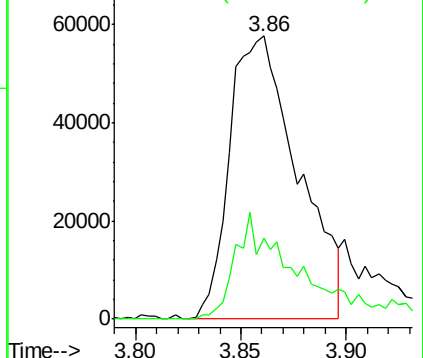
43 100

58 37.0 23.0 34.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.024 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL037800.D

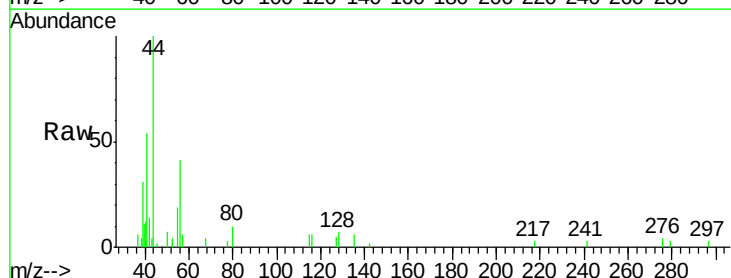
Acq: 7 Oct 2021 17:45

Tgt Ion: 39 Resp: 2293

Ion Ratio Lower Upper

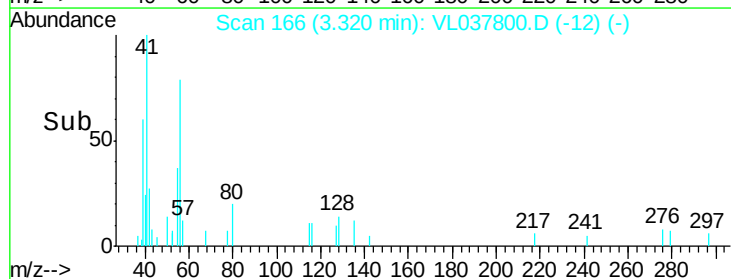
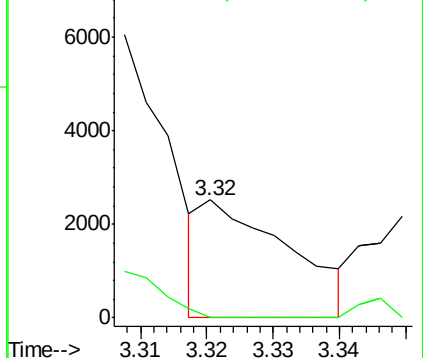
39 100

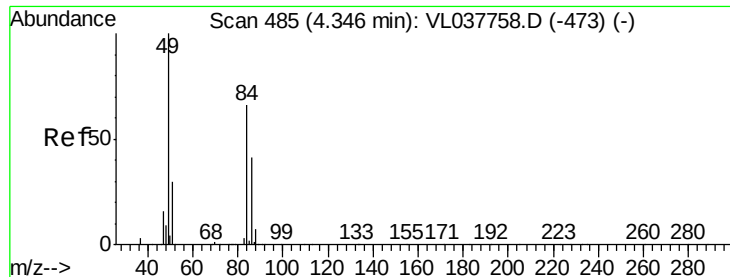
54 0.0 61.7 92.5#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

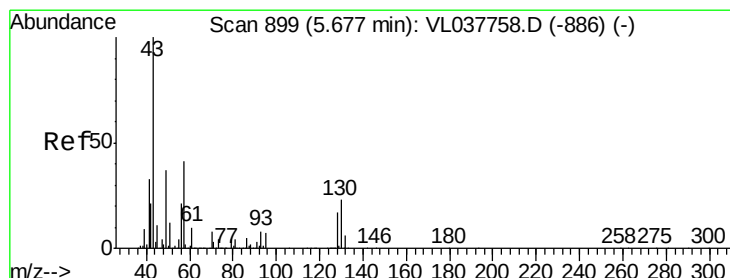
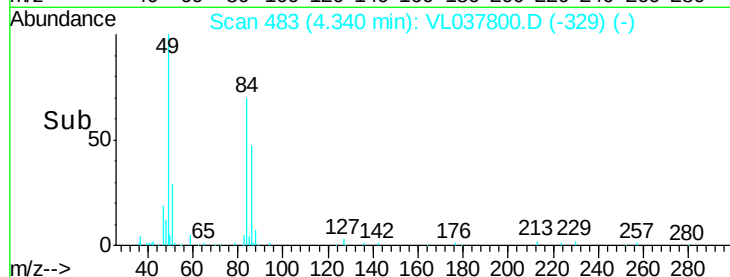
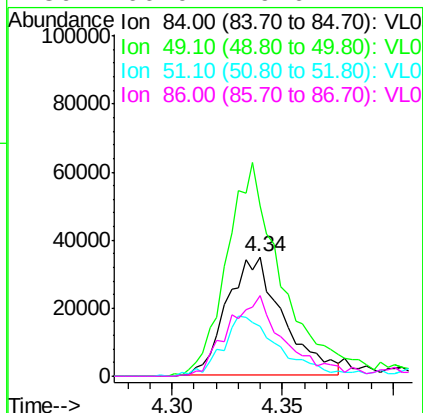
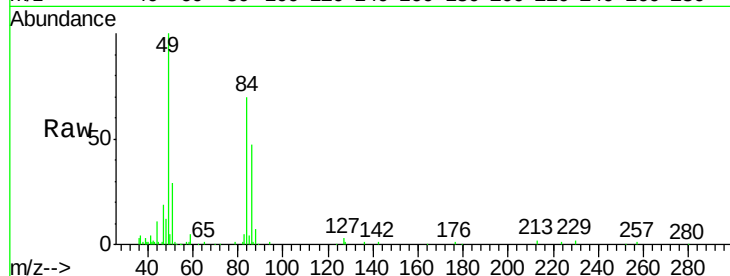




#20
Methylene Chloride
Concen: 0.919 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037800.D
Acq: 7 Oct 2021 17:45

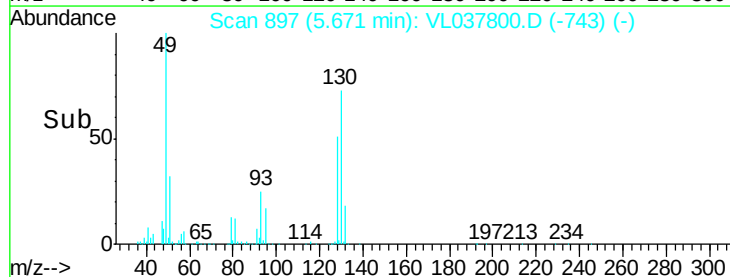
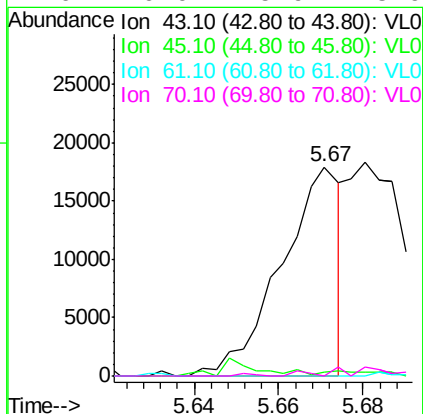
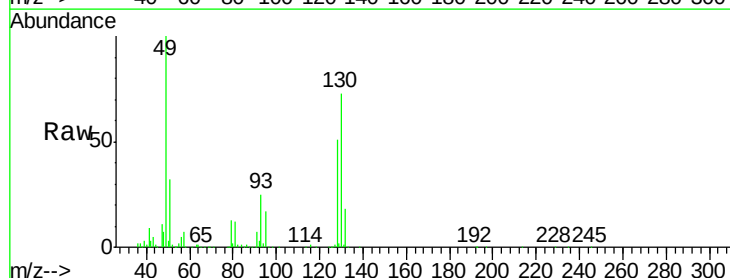
Instrument :
MSVOA_L
ClientSampleId :
C0P18DL

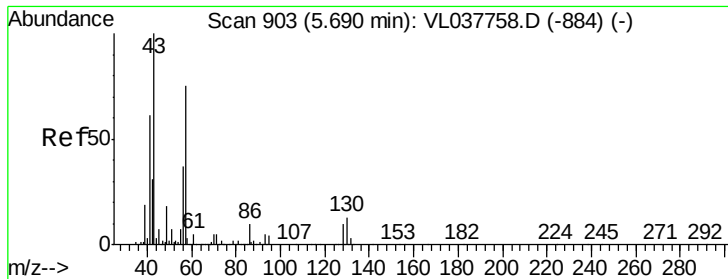
Tgt Ion:	84	Resp:	61544
Ion	Ratio	Lower	Upper
84	100		
49	138.7	120.7	181.1
51	40.2	36.2	54.4
86	66.0	49.6	74.4



#25
Ethyl Acetate
Concen: 0.047 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL037800.D
Acq: 7 Oct 2021 17:45

Tgt Ion:	43	Resp:	17474
Ion	Ratio	Lower	Upper
43	100		
45	5.4	8.1	12.1#
61	0.0	7.5	11.3#
70	0.0	5.9	8.9#

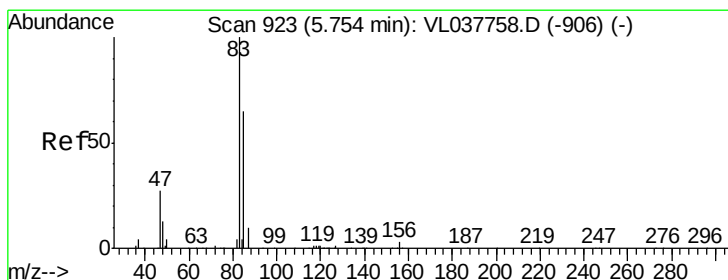
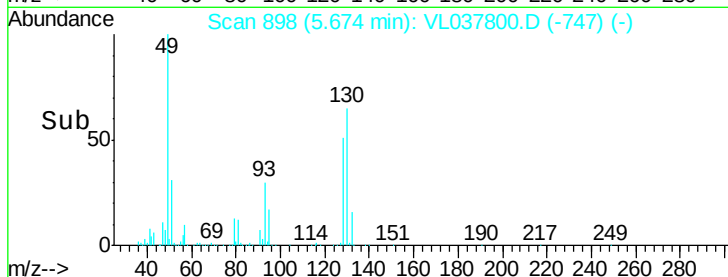
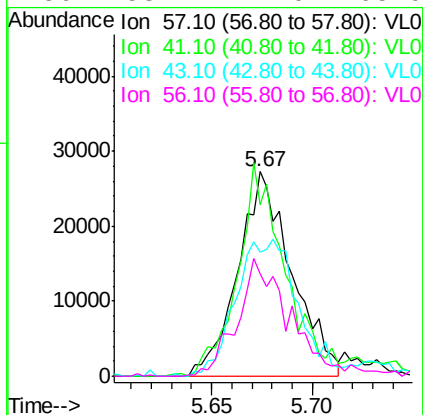
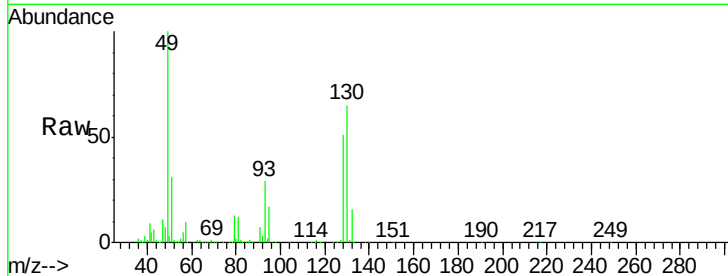




#26
Hexane
Concen: 0.278 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL037800.D
Acq: 7 Oct 2021 17:45

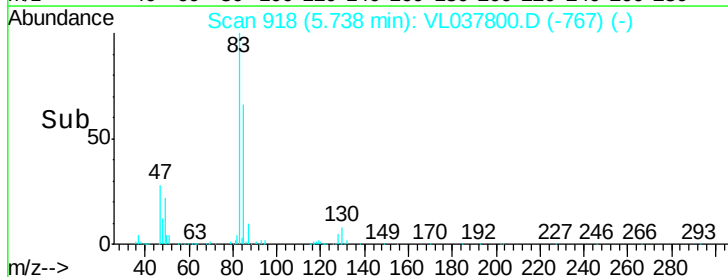
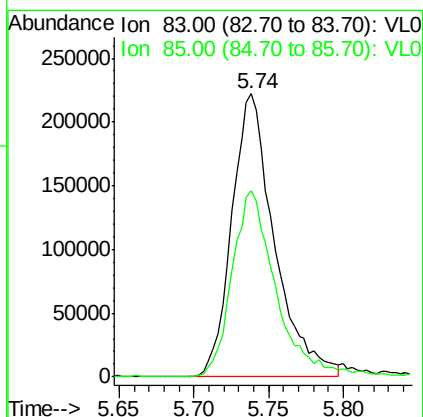
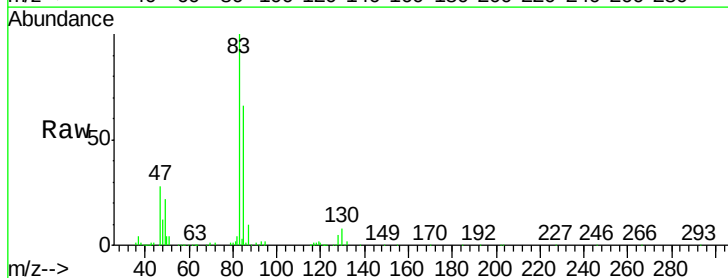
Instrument :
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ClientSampleId :
C0P18DL

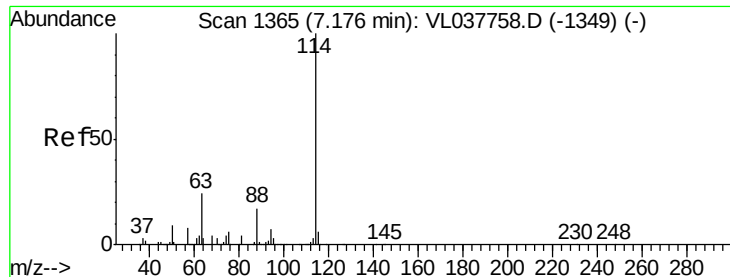
Tgt Ion: 57 Resp: 50819
Ion Ratio Lower Upper
57 100
41 101.5 69.6 104.4
43 77.6 171.4 257.0#
56 58.7 42.0 63.0



#29
Chloroform
Concen: 1.686 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037800.D
Acq: 7 Oct 2021 17:45

Tgt Ion: 83 Resp: 441205
Ion Ratio Lower Upper
83 100
85 65.7 51.8 77.8

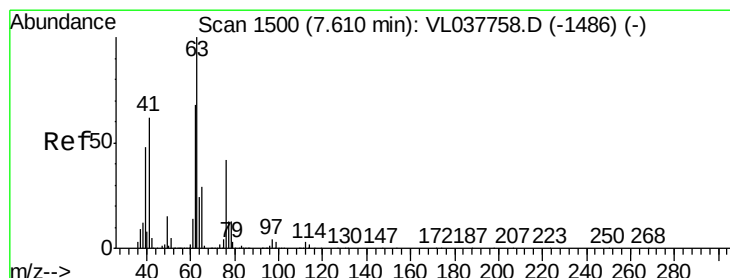
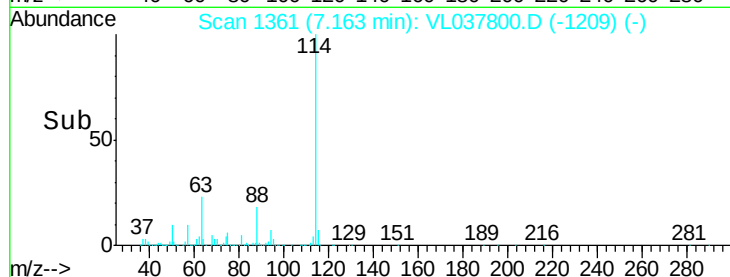
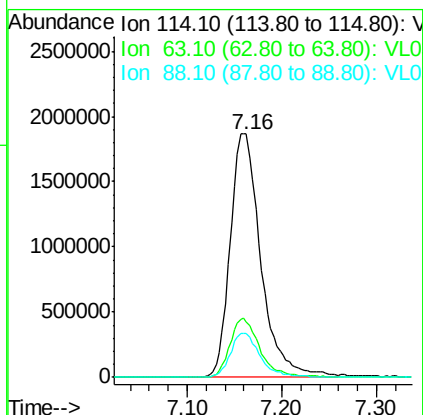
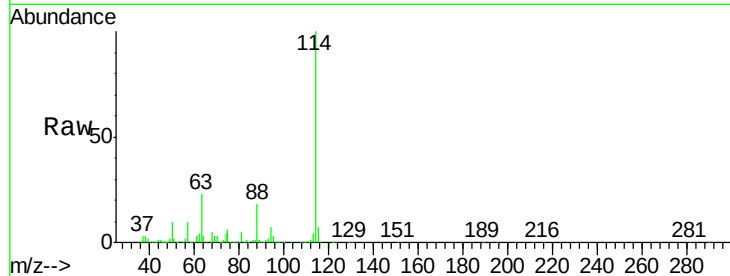




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: VL037800.D
 Acq: 7 Oct 2021 17:45

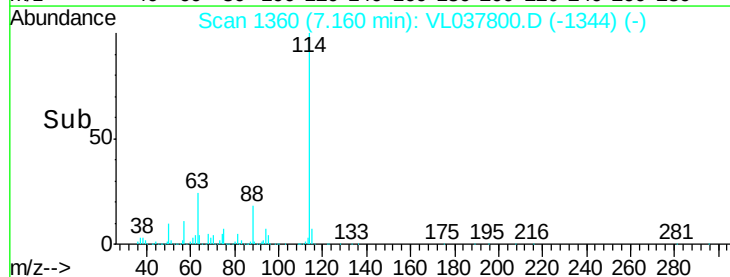
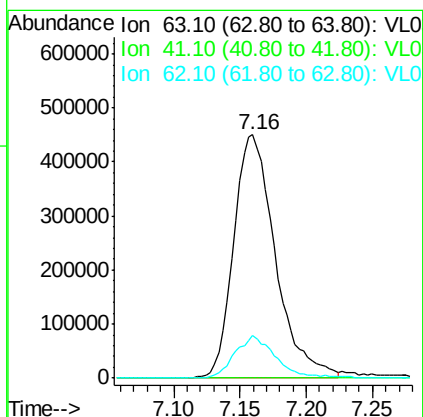
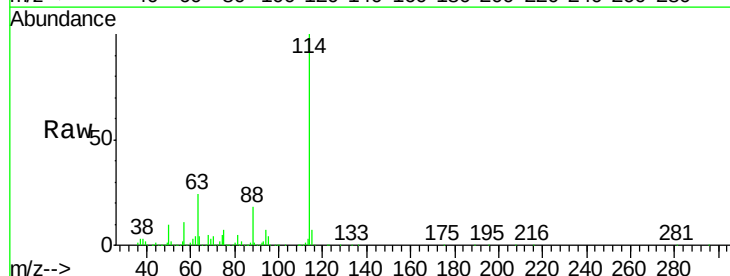
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P18DL

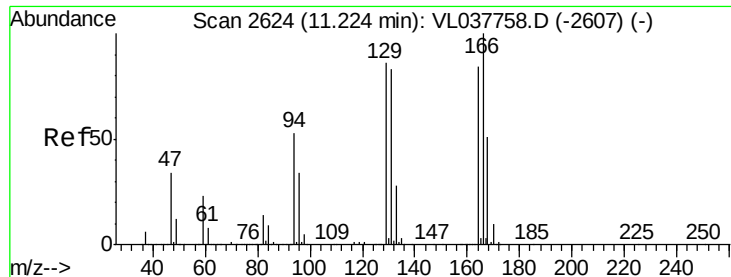
Tgt Ion: 114 Resp: 4216480
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.4 29.2
 88 17.9 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 7.275 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.45 min
 Lab File: VL037800.D
 Acq: 7 Oct 2021 17:45

Tgt Ion: 63 Resp: 985490
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.8 74.6#
 62 17.3 54.6 82.0#





#52

Tetrachloroethene

Concen: 0.053 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.02 min

Lab File: VL037800.D

Acq: 7 Oct 2021 17:45

Instrument :

MSVOA_L

ClientSampleId :

C0P18DL

Tgt Ion:164 Resp: 7427

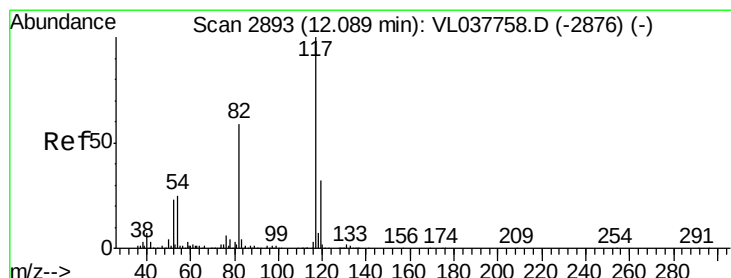
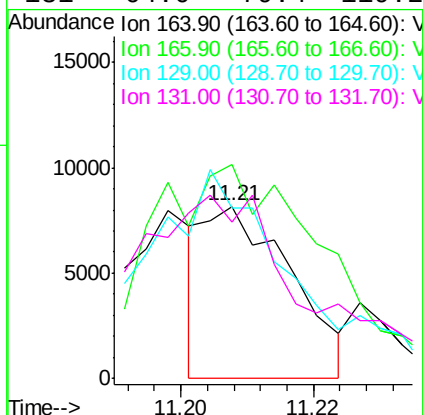
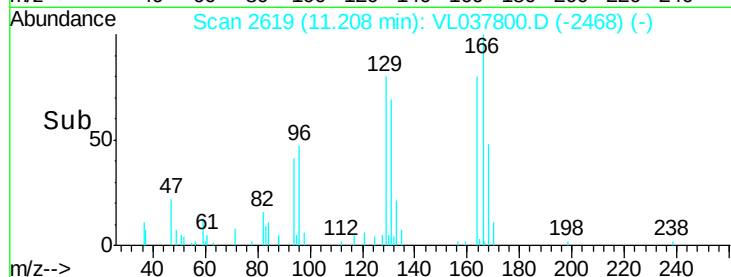
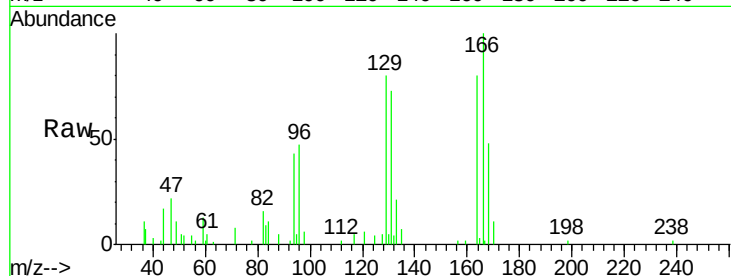
Ion Ratio Lower Upper

164 100

166 70.9 95.4 143.2#

129 96.8 82.2 123.4

131 64.0 79.4 119.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.02 min

Lab File: VL037800.D

Acq: 7 Oct 2021 17:45

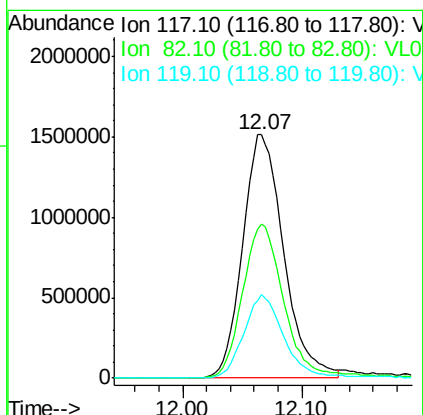
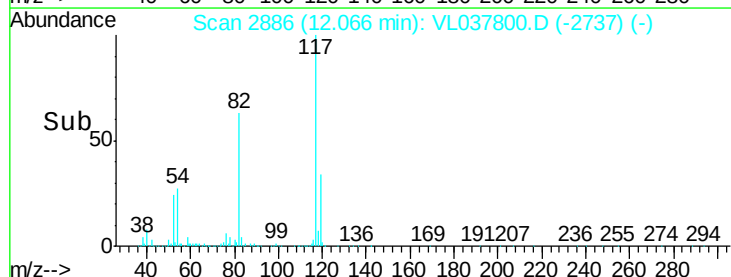
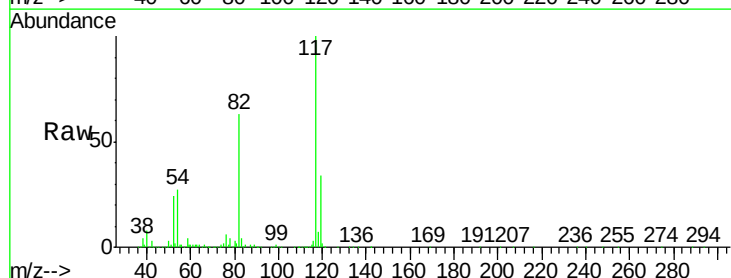
Tgt Ion:117 Resp: 3617896

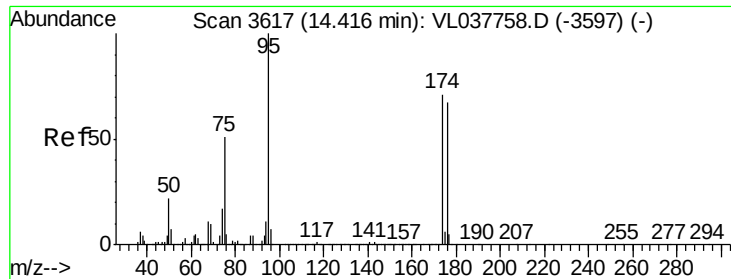
Ion Ratio Lower Upper

117 100

82 65.0 52.2 78.2

119 34.2 26.0 39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.046 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL037800.D

Acq: 7 Oct 2021 17:45

Instrument :

MSVOA_L

ClientSampleId :

C0P18DL

Tgt Ion: 95 Resp: 2541547

Ion Ratio Lower Upper

95 100

174 74.8 57.8 86.6

175 5.6 4.7 7.1

