

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
 Data File : VL037752.D
 Acq On : 1 Oct 2021 21:51
 Operator : SY/AP
 Sample : M4012-10DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P01DL

Quant Time: Oct 02 01:36:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1426123	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4070322	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3522020	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2318572	9.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.10%

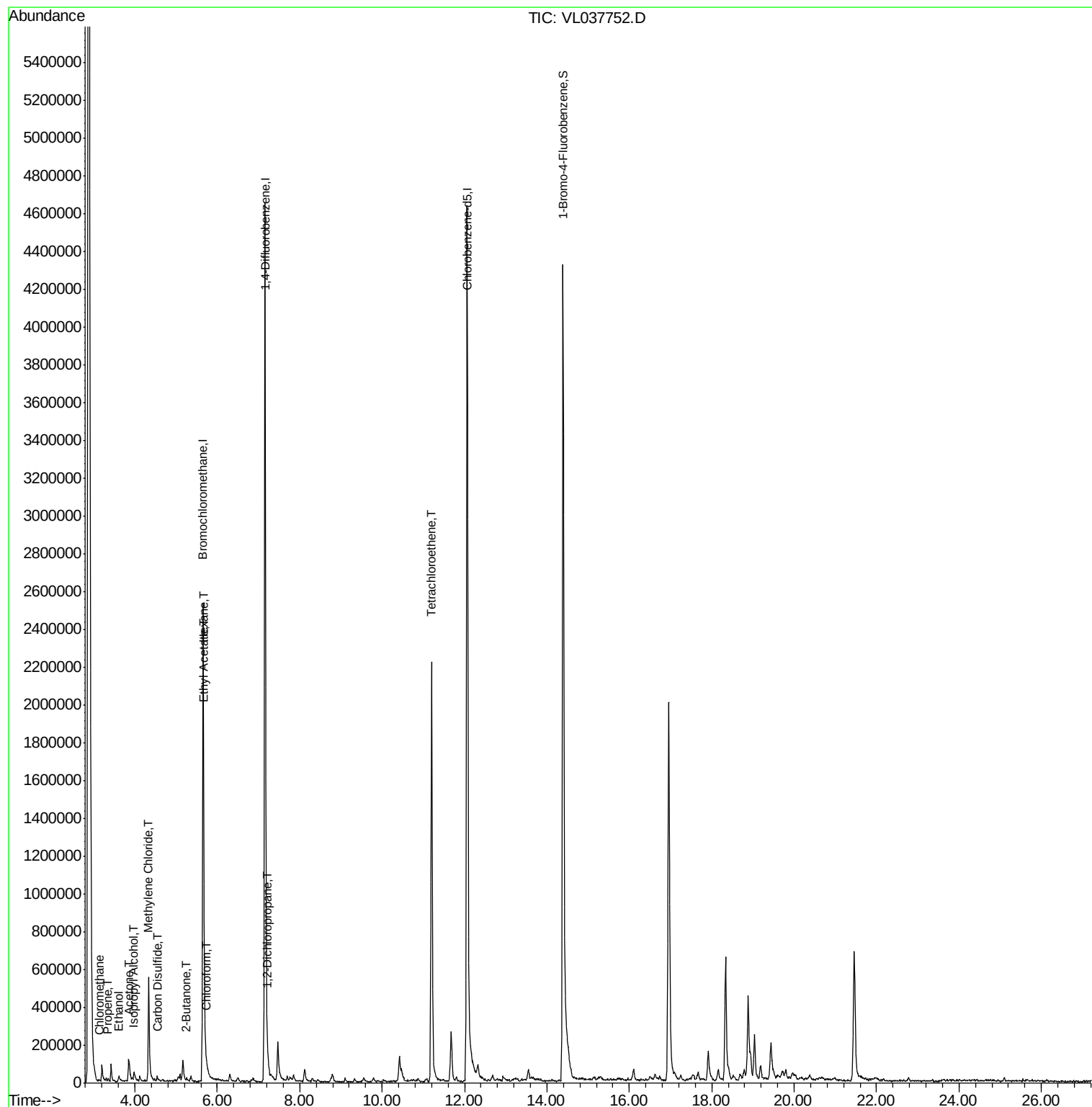
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.13	50	4072	0.041	ppbv #	85
9) Propene	3.34	41	3046	0.032	ppbv	90
13) Ethanol	3.61	45	19887	2.143	ppbv #	42
15) Acetone	3.85	43	139926	0.944	ppbv #	68
19) Isopropyl Alcohol	3.97	45	29461	0.365	ppbv #	89
20) Methylene Chloride	4.33	84	211145	2.985	ppbv	93
25) Ethyl Acetate	5.67	43	48384	0.135	ppbv #	82
26) Hexane	5.67	57	62676	0.368	ppbv #	44
27) Carbon Disulfide	4.54	76	23351	0.150	ppbv #	51
29) Chloroform	5.74	83	8697	0.035	ppbv	84
34) 2-Butanone	5.24	43	6764	0.041	ppbv #	53
39) 1,2-Dichloropropane	7.22	63	11892	0.091	ppbv #	46
52) Tetrachloroethene	11.20	164	597496	4.586	ppbv	97

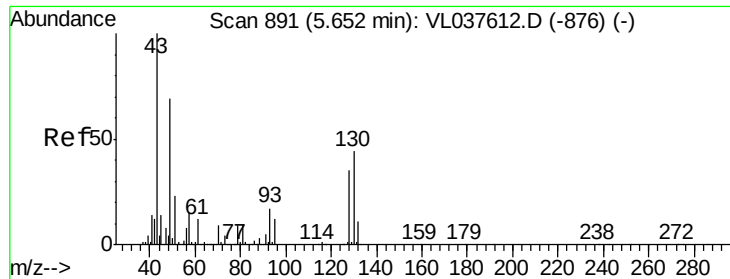
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 01:36:05 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration

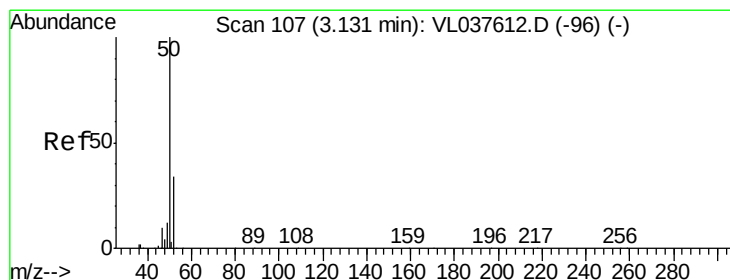
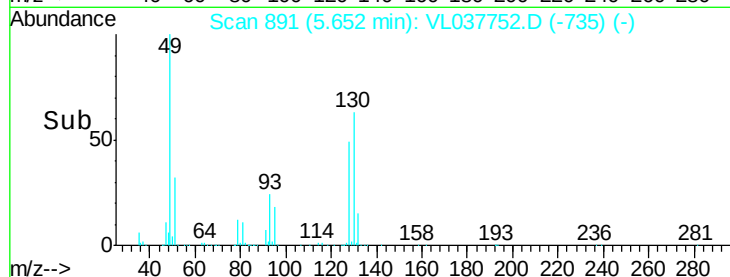
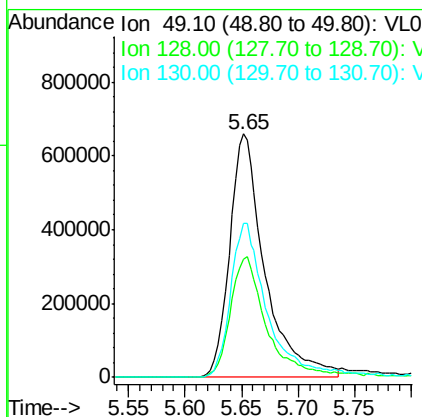
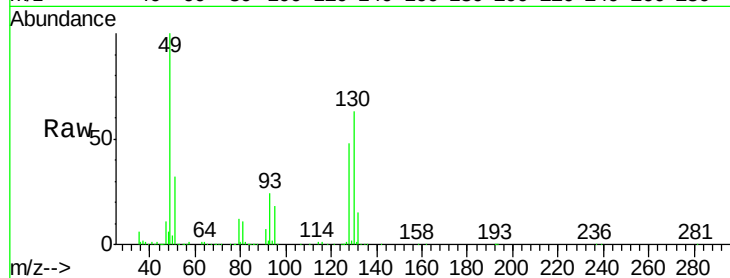




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VL037752.D
 Acq: 1 Oct 2021 21:51

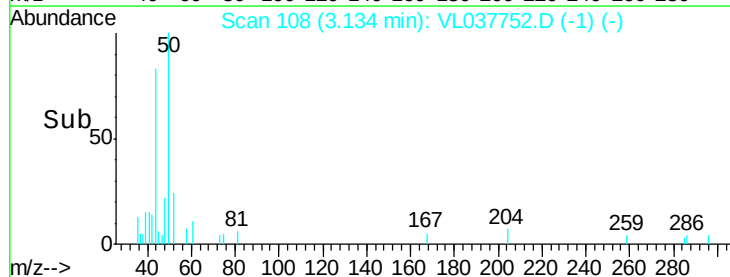
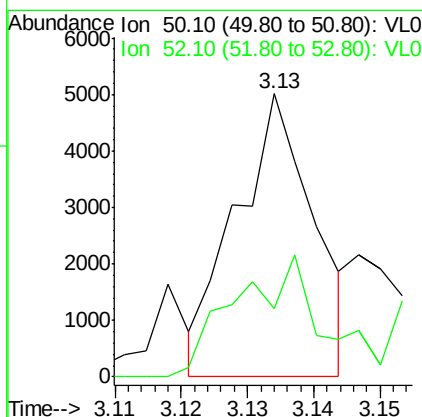
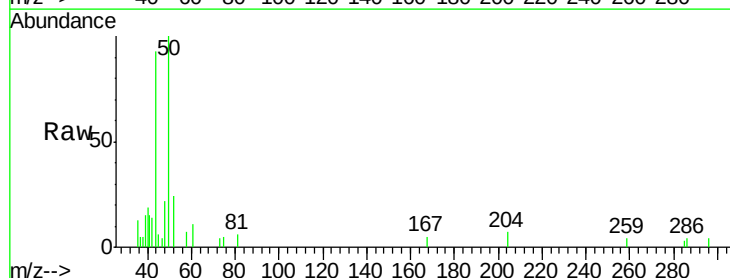
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P01DL

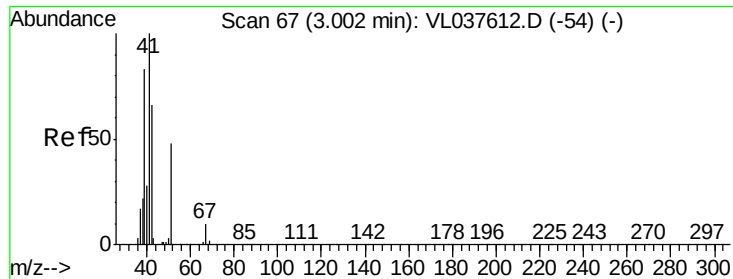
Tgt Ion: 49 Resp: 1426123
 Ion Ratio Lower Upper
 49 100
 128 53.1 27.9 83.6
 130 67.4 33.9 101.7



#4
 Chloromethane
 Concen: 0.041 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. 0.00 min
 Lab File: VL037752.D
 Acq: 1 Oct 2021 21:51

Tgt Ion: 50 Resp: 4072
 Ion Ratio Lower Upper
 50 100
 52 25.2 27.1 40.7#





#9

Propene

Concen: 0.032 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.34 min

Lab File: VL037752.D

Acq: 1 Oct 2021 21:51

Instrument :

MSVOA_L

ClientSampleId :

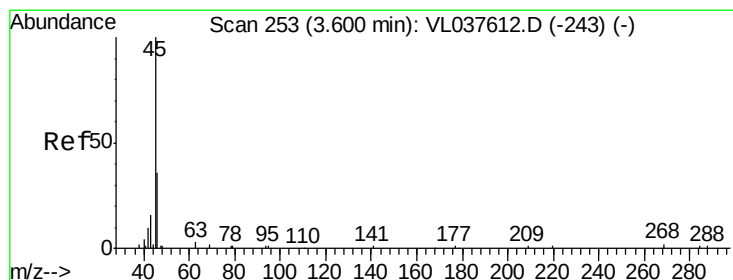
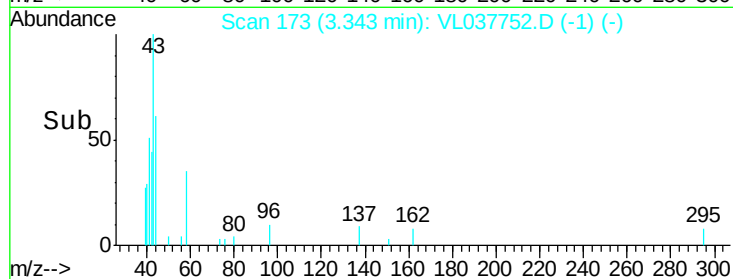
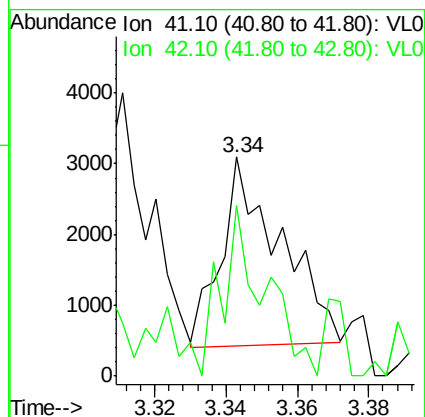
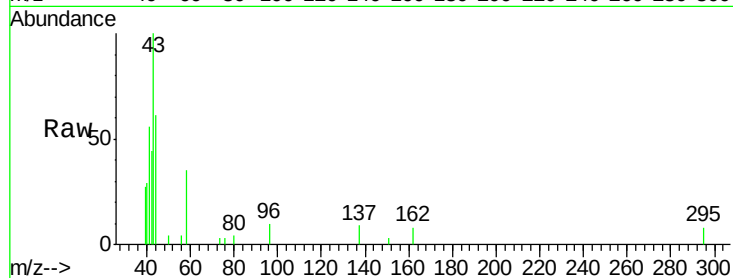
C0P01DL

Tgt Ion: 41 Resp: 3046

Ion Ratio Lower Upper

41 100

42 62.8 57.2 85.8



#13

Ethanol

Concen: 2.143 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037752.D

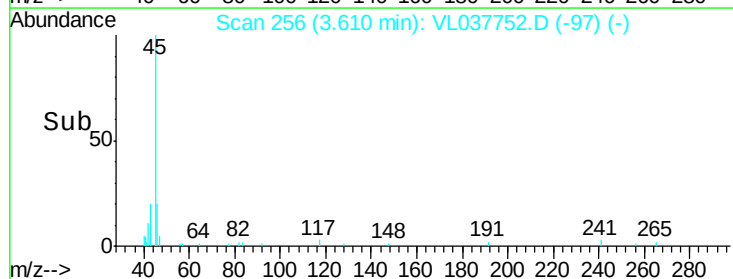
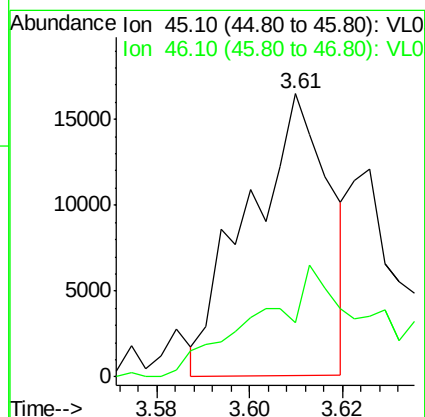
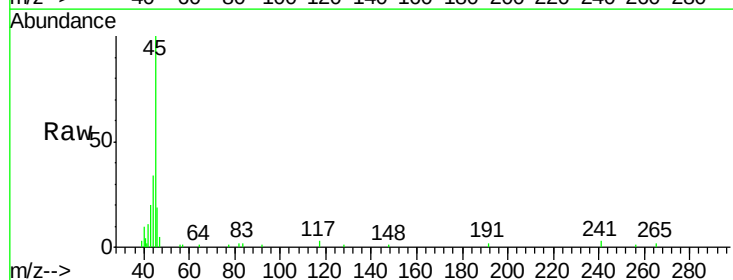
Acq: 1 Oct 2021 21:51

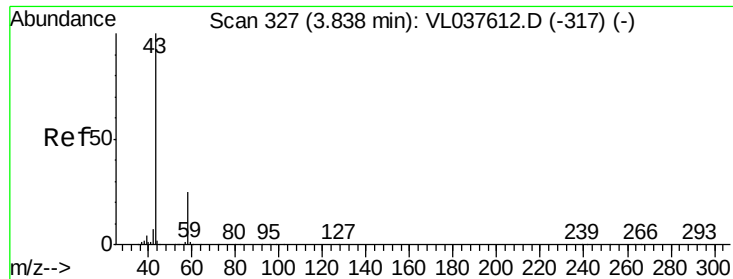
Tgt Ion: 45 Resp: 19887

Ion Ratio Lower Upper

45 100

46 80.1 17.2 68.8#

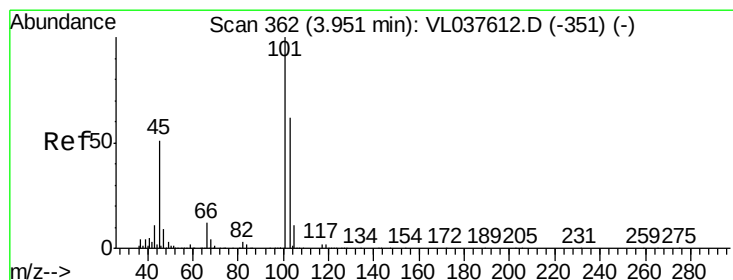
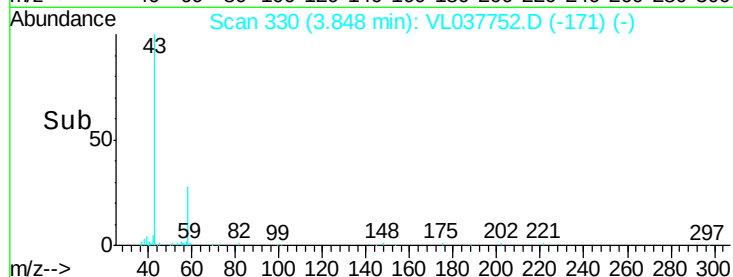
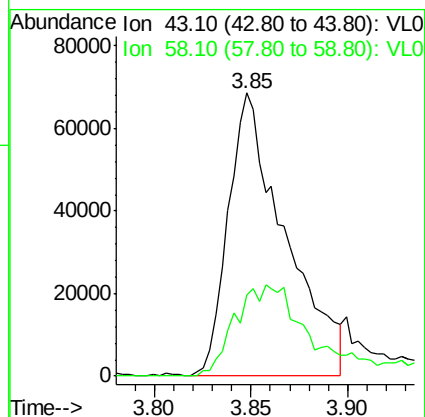
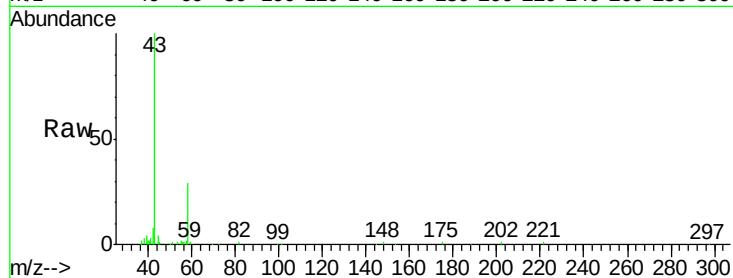




#15
Acetone
Concen: 0.944 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

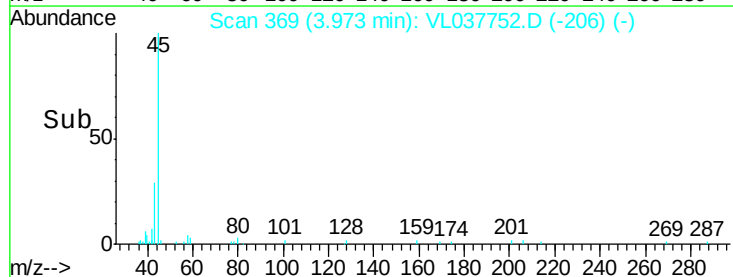
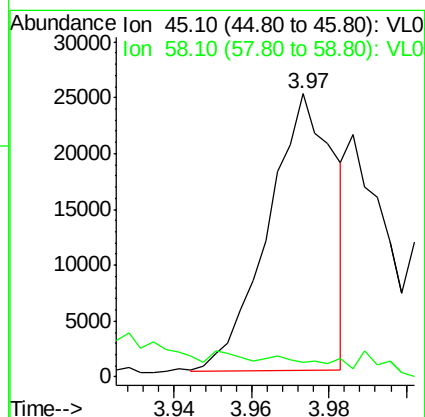
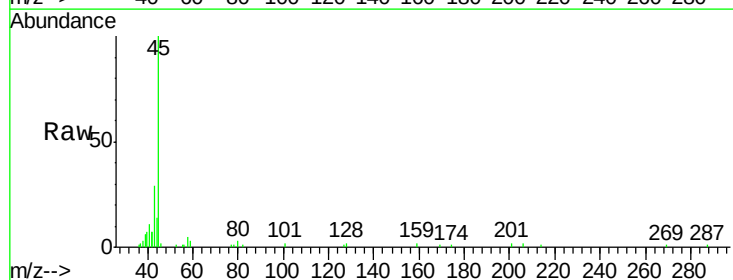
Instrument :
MSVOA_L
ClientSampleId :
C0P01DL

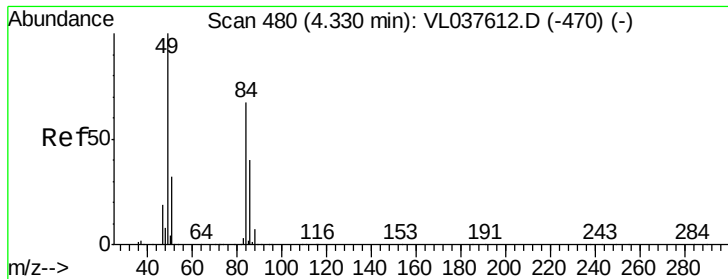
Tgt Ion: 43 Resp: 139926
Ion Ratio Lower Upper
43 100
58 48.9 24.9 37.3#



#19
Isopropyl Alcohol
Concen: 0.365 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

Tgt Ion: 45 Resp: 29461
Ion Ratio Lower Upper
45 100
58 0.0 2.9 4.3#

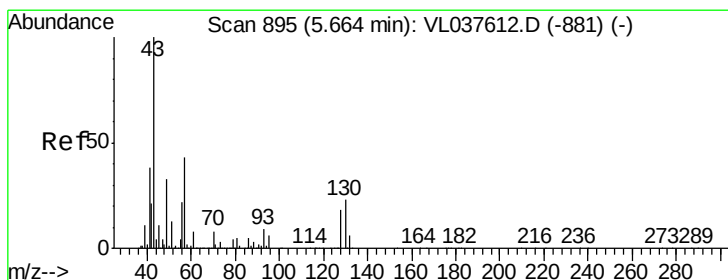
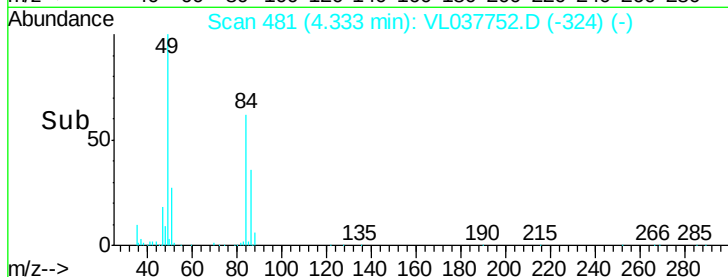
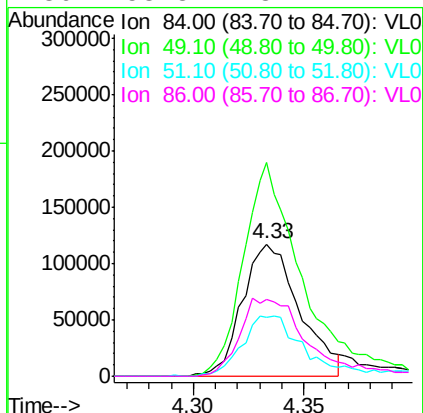
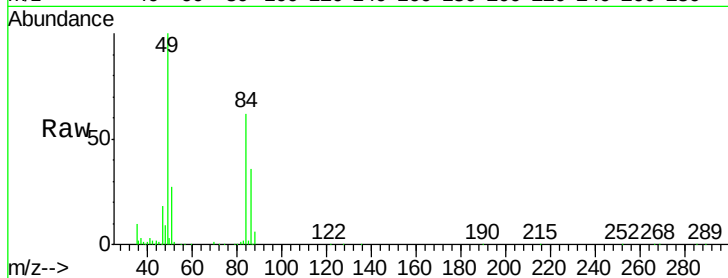




#20
Methylene Chloride
Concen: 2.985 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

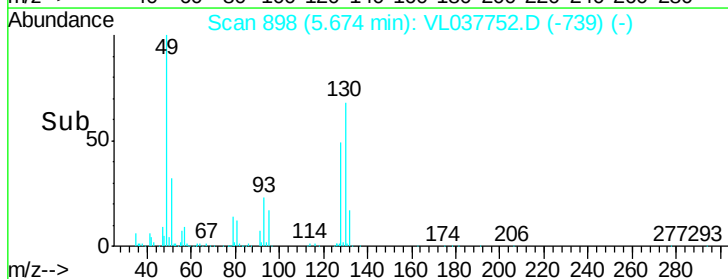
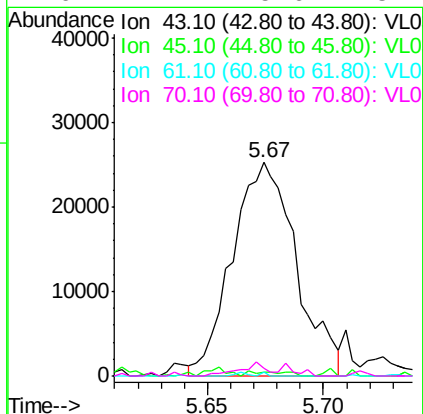
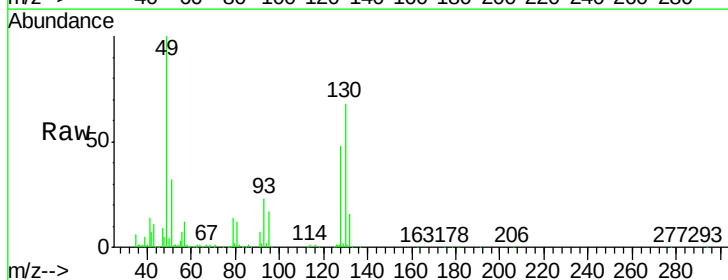
Instrument :
MSVOA_L
ClientSampleId :
C0P01DL

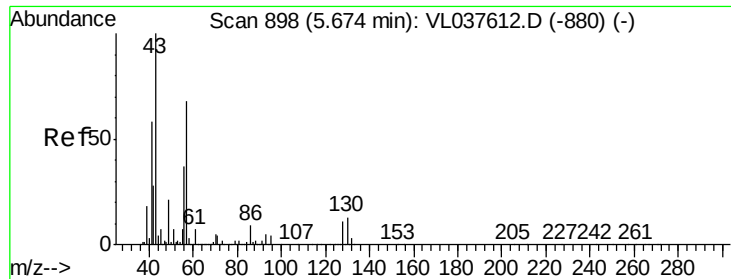
Tgt Ion:	84	Resp:	211145
Ion	Ratio	Lower	Upper
84	100		
49	161.3	120.0	180.0
51	44.0	38.0	57.0
86	58.3	48.2	72.2



#25
Ethyl Acetate
Concen: 0.135 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

Tgt Ion:	43	Resp:	48384
Ion	Ratio	Lower	Upper
43	100		
45	2.5	8.0	12.0#
61	0.5	7.5	11.3#
70	4.4	5.6	8.4#

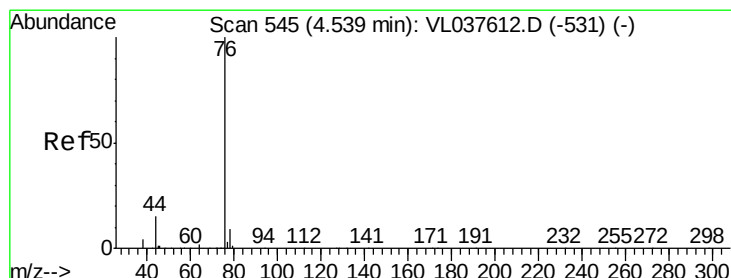
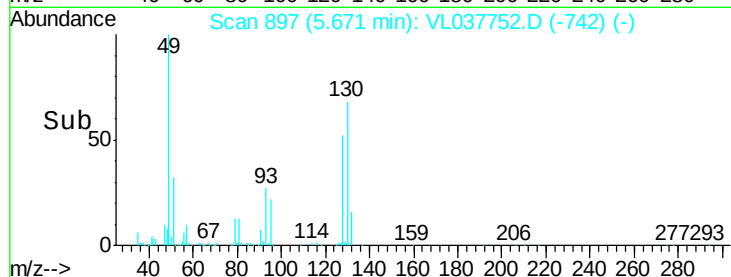
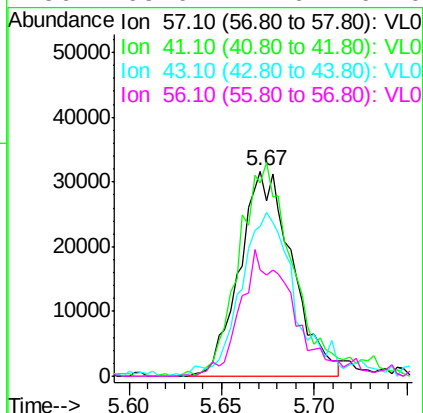
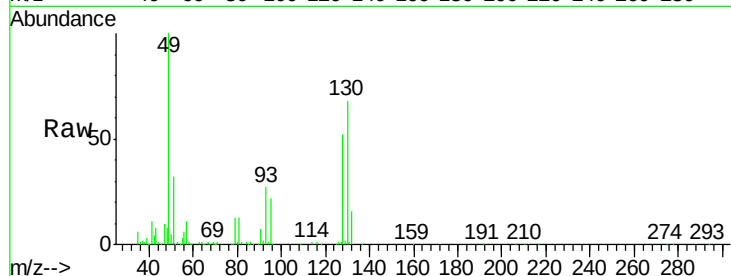




#26
Hexane
Concen: 0.368 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

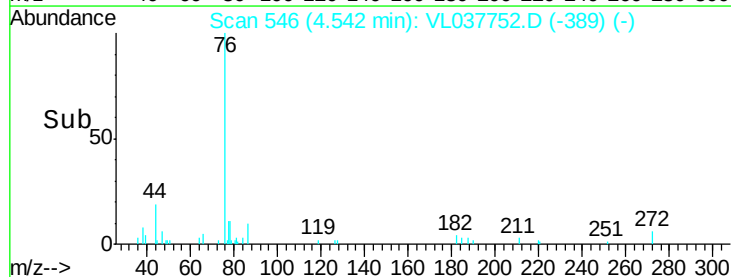
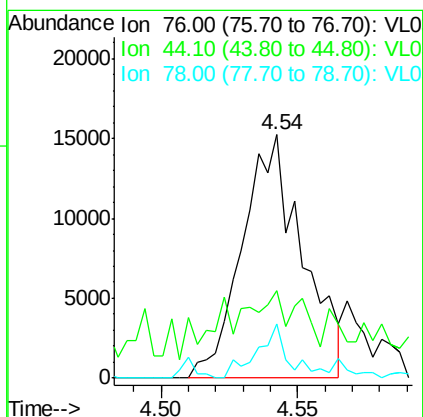
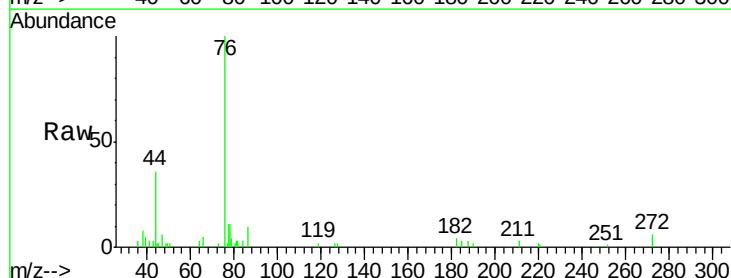
Instrument :
MSVOA_L
ClientSampleId :
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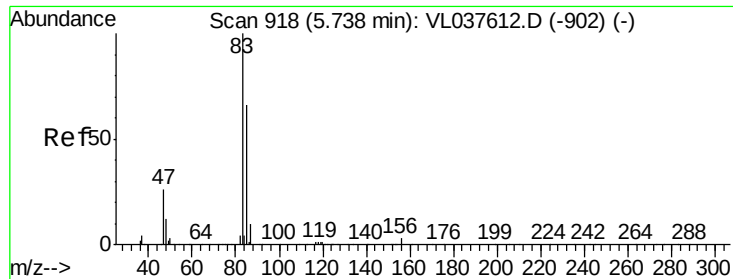
Tgt Ion: 57 Resp: 62676
Ion Ratio Lower Upper
57 100
41 110.9 70.9 106.3#
43 88.6 170.4 255.6#
56 65.6 42.6 64.0#



#27
Carbon Disulfide
Concen: 0.150 ppbv
RT: 4.54 min Scan# 546
Delta R.T. 0.00 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

Tgt Ion: 76 Resp: 23351
Ion Ratio Lower Upper
76 100
44 43.8 14.2 21.2#
78 20.0 7.4 11.0#

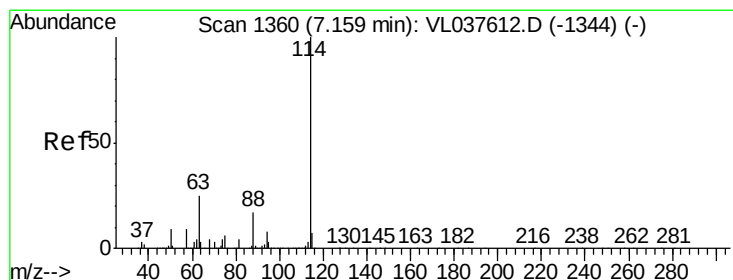
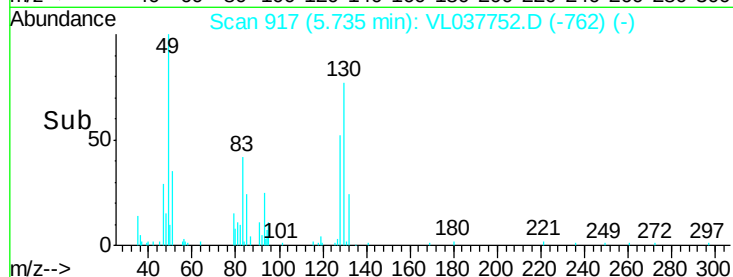
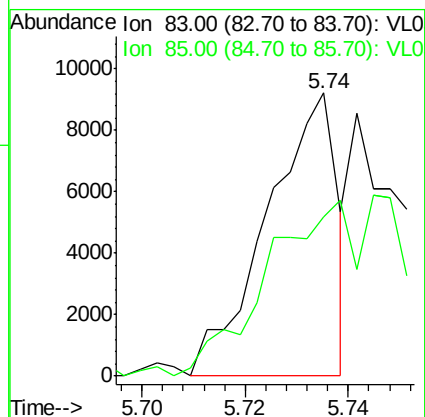
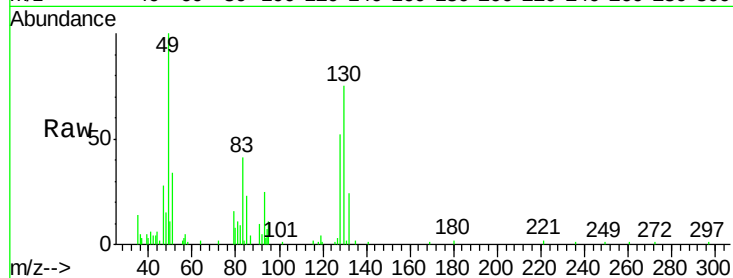




#29
Chloroform
Concen: 0.035 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

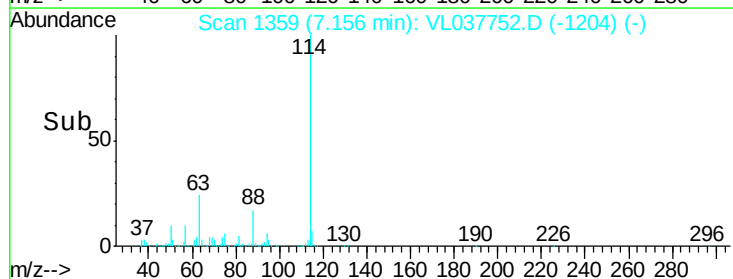
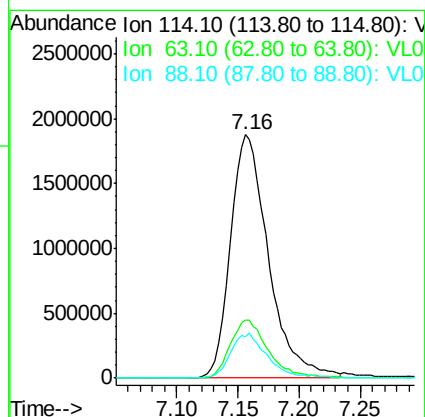
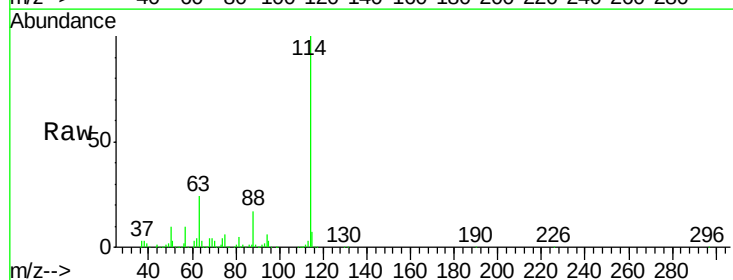
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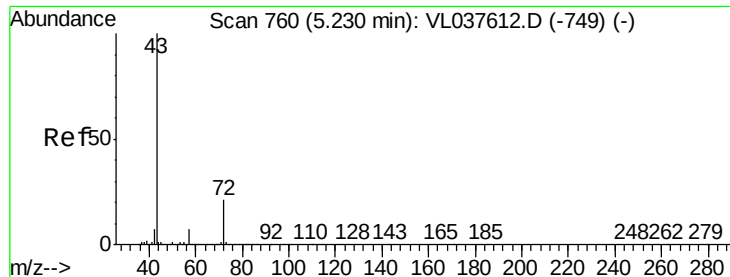
Tgt Ion: 83 Resp: 8697
Ion Ratio Lower Upper
83 100
85 53.4 52.6 79.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

Tgt Ion: 114 Resp: 4070322
Ion Ratio Lower Upper
114 100
63 24.3 19.6 29.4
88 18.1 14.2 21.4

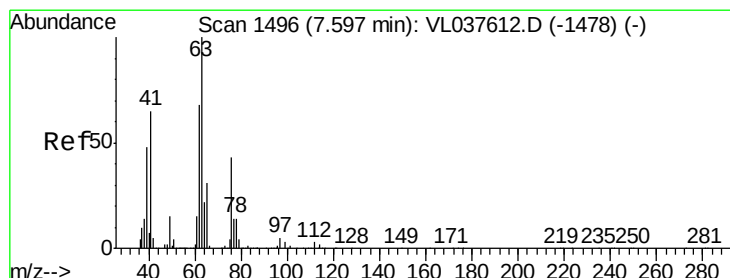
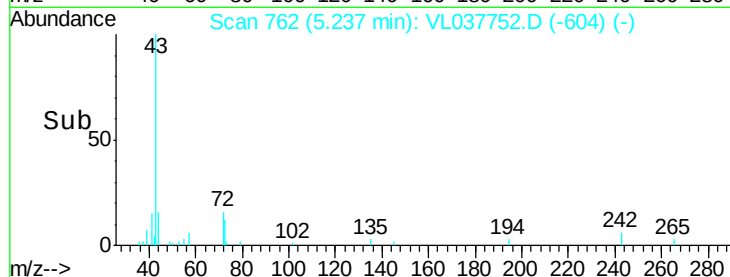
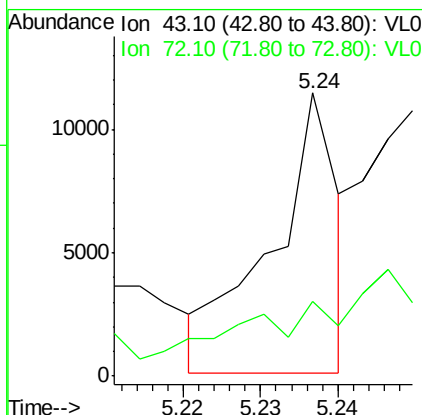
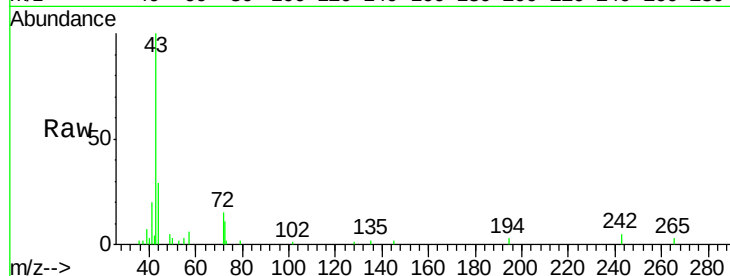




#34
2-Butanone
Concen: 0.041 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.01 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

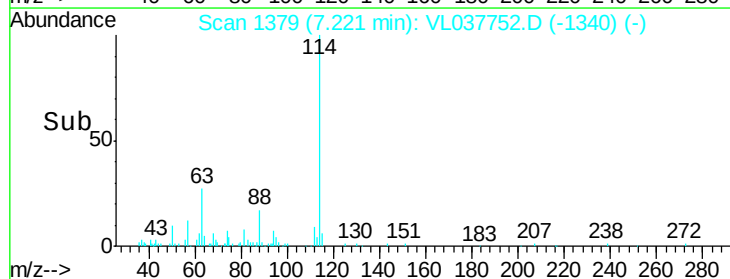
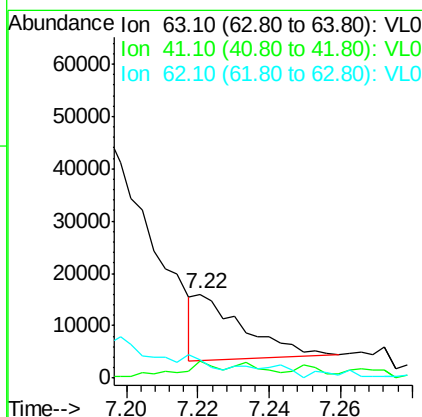
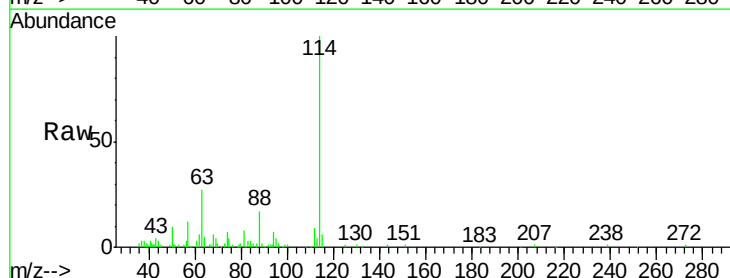
Instrument :
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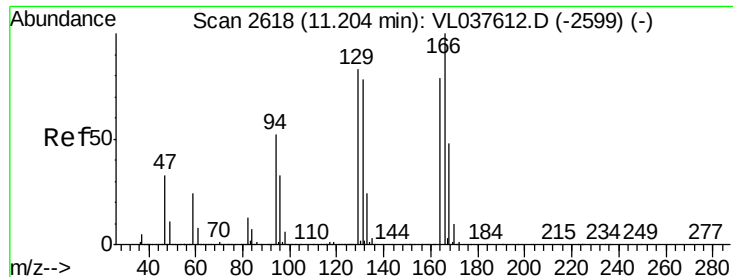
Tgt Ion: 43 Resp: 6764
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#



#39
1,2-Dichloropropane
Concen: 0.091 ppbv
RT: 7.22 min Scan# 1379
Delta R.T. -0.38 min
Lab File: VL037752.D
Acq: 1 Oct 2021 21:51

Tgt Ion: 63 Resp: 11892
Ion Ratio Lower Upper
63 100
41 19.5 51.6 77.4#
62 26.4 54.6 81.8#





#52

Tetrachloroethene

Concen: 4.586 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL037752.D

Acq: 1 Oct 2021 21:51

Instrument :

MSVOA_L

ClientSampleId :

C0P01DL

Tgt Ion:164 Resp: 597496

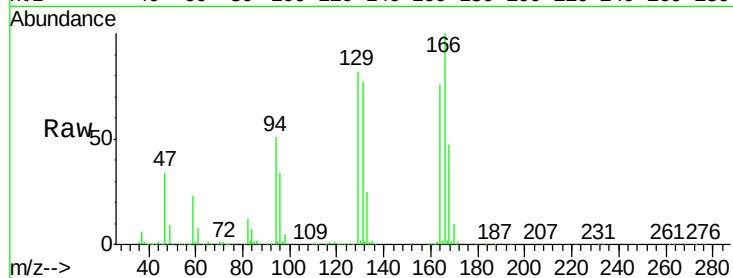
Ion Ratio Lower Upper

164 100

166 130.9 101.2 151.8

129 107.3 84.0 126.0

131 100.8 78.8 118.2

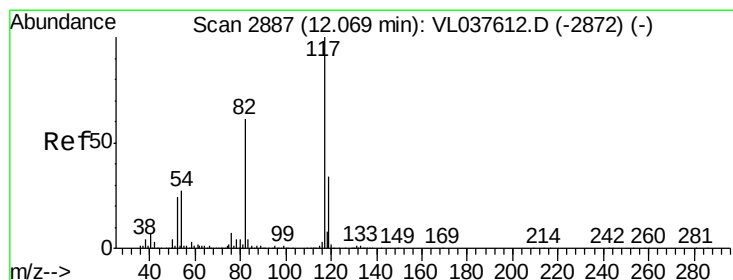
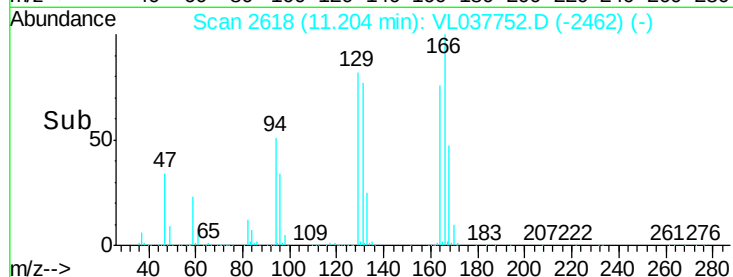
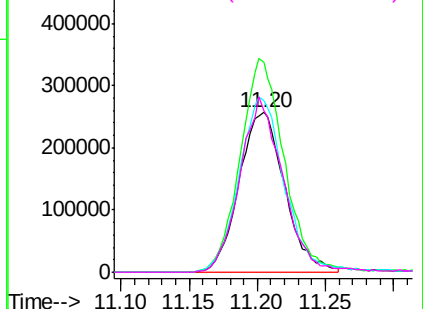


Abundance Ion 163.90 (163.60 to 164.60): V

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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037752.D

Acq: 1 Oct 2021 21:51

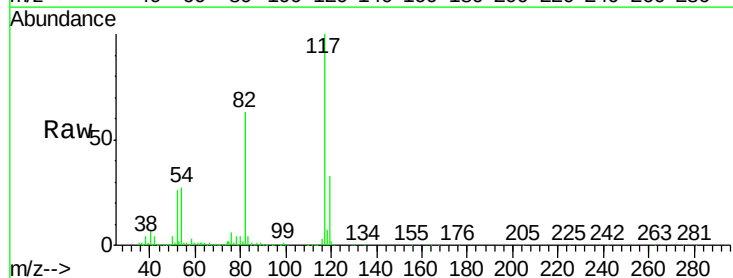
Tgt Ion:117 Resp: 3522020

Ion Ratio Lower Upper

117 100

82 64.3 50.6 75.8

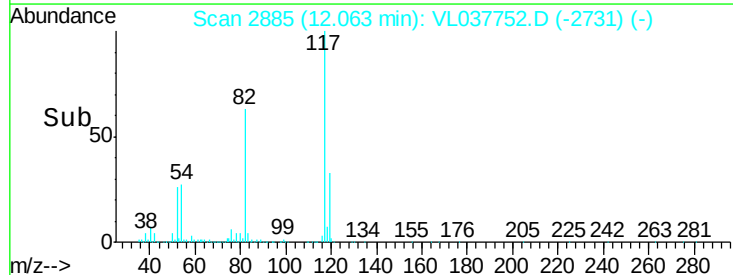
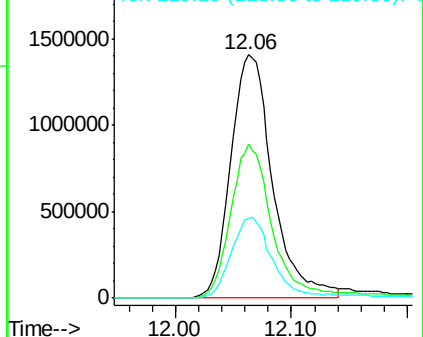
119 34.5 26.2 39.2

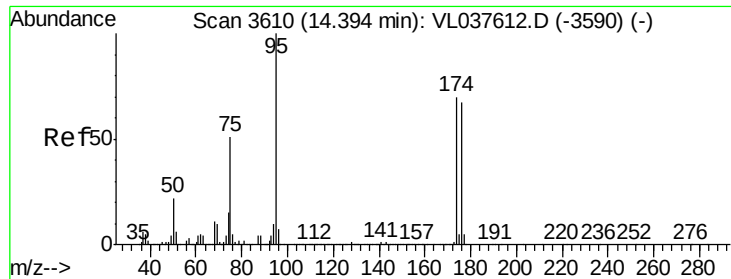


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.109 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037752.D
 Acq: 1 Oct 2021 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P01DL

Tgt Ion: 95 Resp: 2318572
 Ion Ratio Lower Upper
 95 100
 174 79.0 56.3 84.5
 175 5.1 4.4 6.6

