

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037787.D
 Acq On : 5 Oct 2021 23:50
 Operator : SY/AP
 Sample : M4012-13DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P19DL

Quant Time: Oct 06 04:49:08 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	5.64	49	1163683	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3530909	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2935592	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2025613	9.87	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

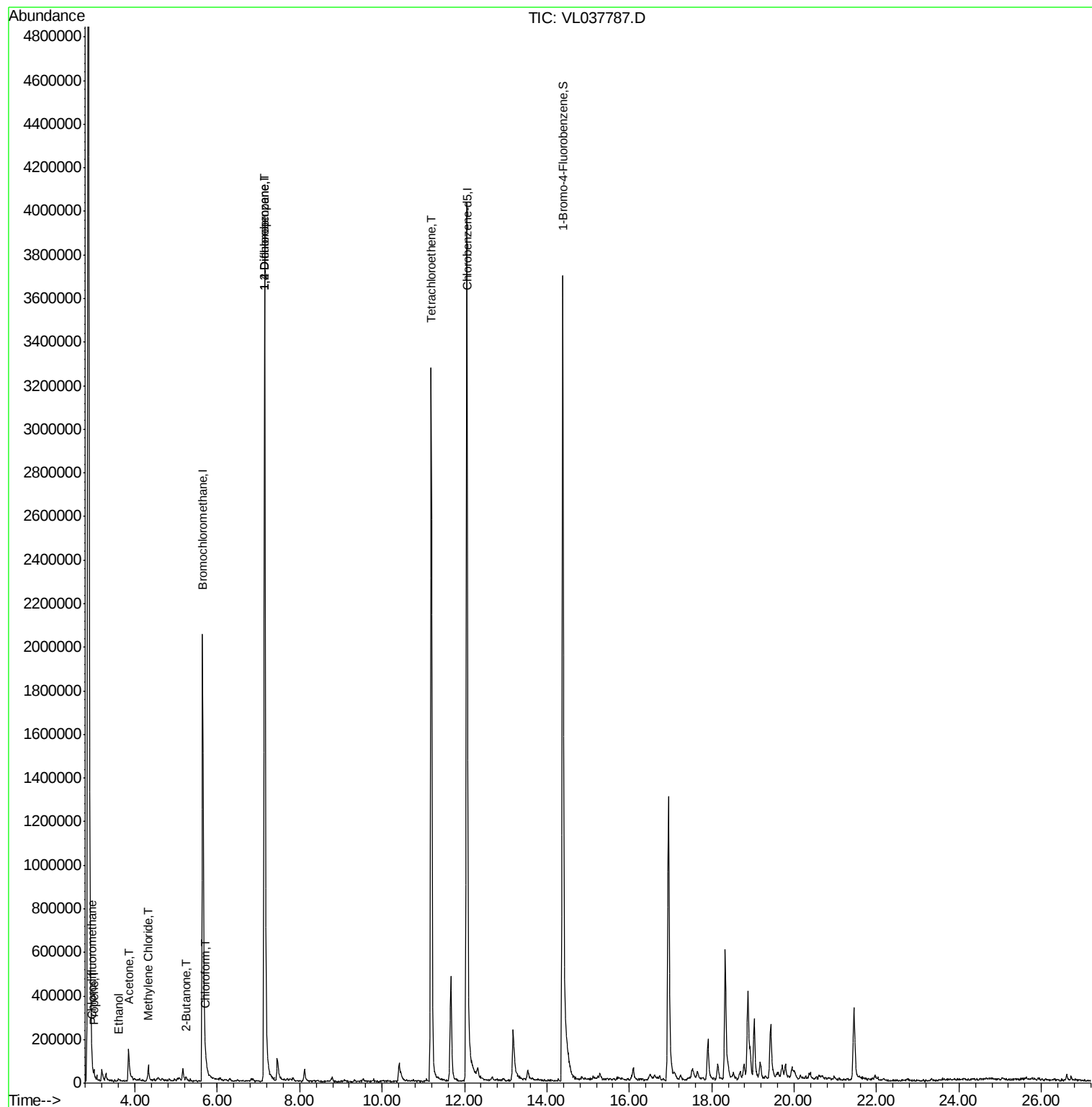
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	6321	0.028	ppbv	94
9) Propene	3.01	41	11388	0.138	ppbv	96
13) Ethanol	3.60	45	2785	0.414	ppbv #	27
15) Acetone	3.84	43	180308	1.726	ppbv #	80
20) Methylene Chloride	4.32	84	12421	0.235	ppbv #	92
29) Chloroform	5.73	83	6398	0.031	ppbv	90
34) 2-Butanone	5.24	43	8845	0.062	ppbv #	53
39) 1,2-Dichloropropane	7.15	63	825642	7.278	ppbv #	28
52) Tetrachloroethene	11.19	164	896869	7.644	ppbv	97

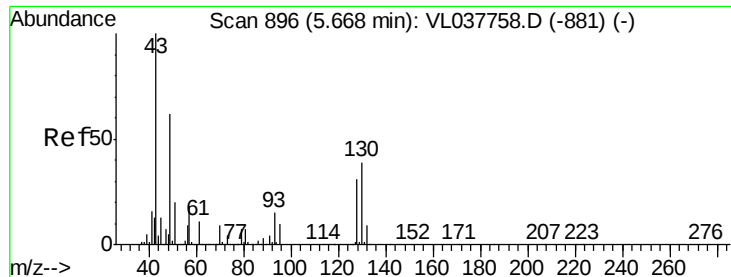
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL037787.D

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Instrument :

MSVOA_L

ClientSampleId :

C0P19DL

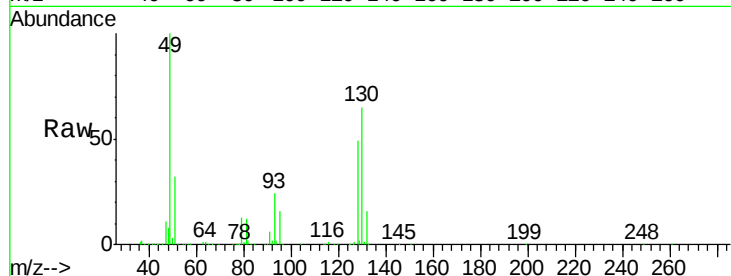
Tgt Ion: 49 Resp: 1163683

Ion Ratio Lower Upper

49 100

128 55.2 27.1 81.3

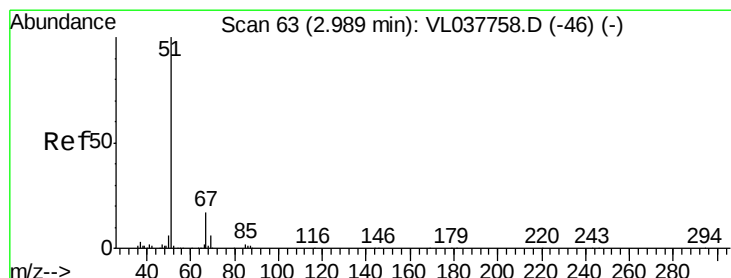
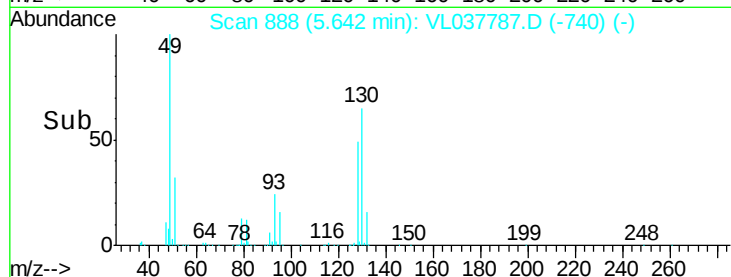
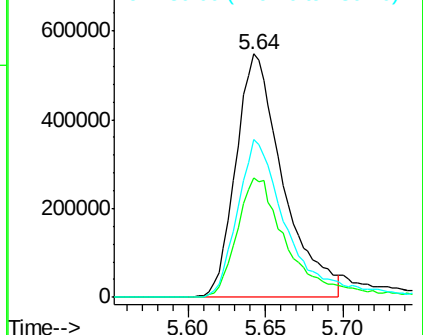
130 71.2 33.2 99.6



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: 0.028 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL037787.D

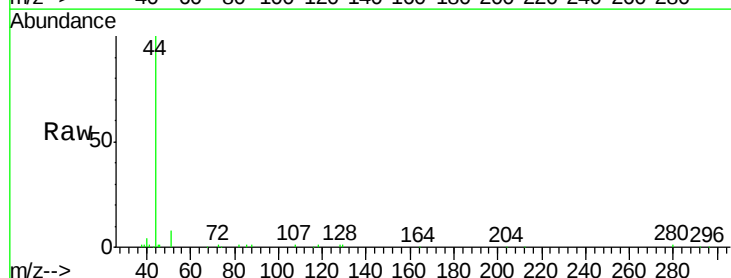
Acq: 5 Oct 2021 23:50

Tgt Ion: 51 Resp: 6321

Ion Ratio Lower Upper

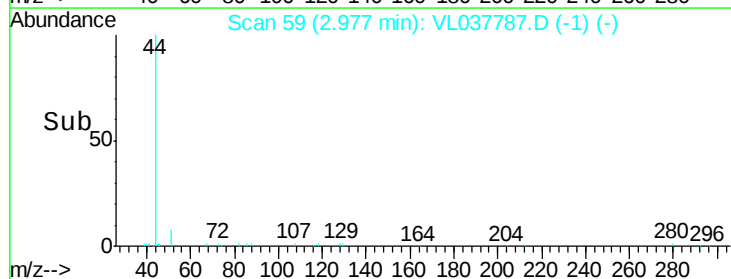
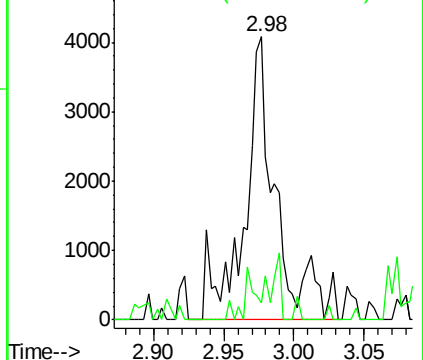
51 100

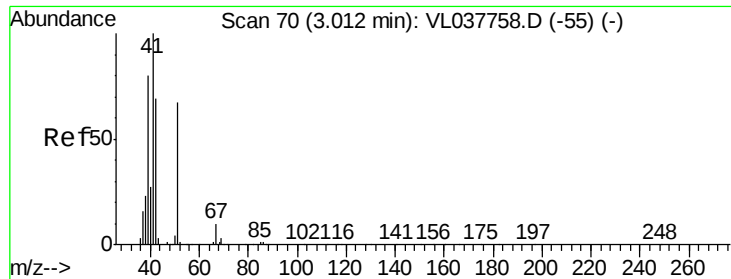
67 14.3 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.138 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

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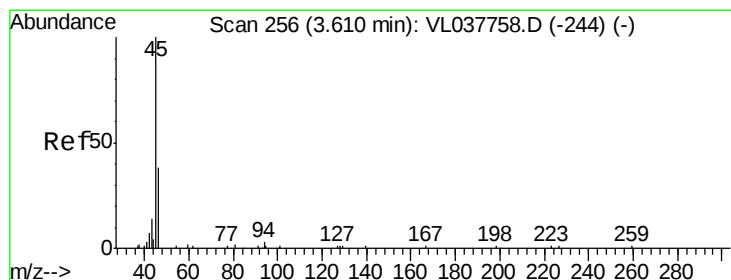
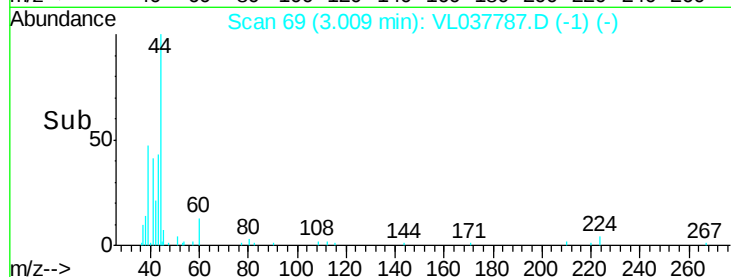
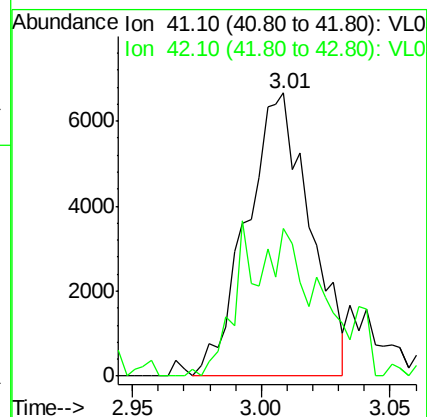
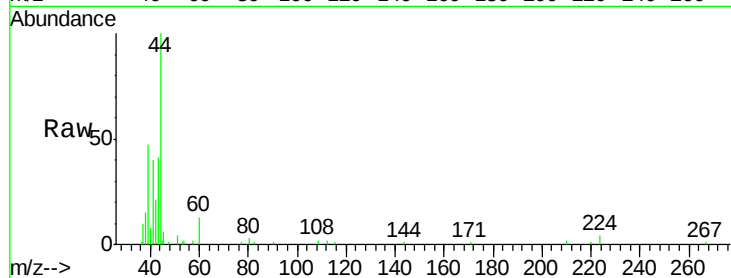
C0P19DL

Tgt Ion: 41 Resp: 11388

Ion Ratio Lower Upper

41 100

42 70.6 54.2 81.2



#13

Ethanol

Concen: 0.414 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL037787.D

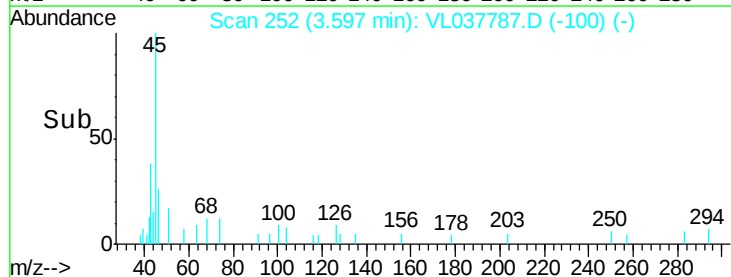
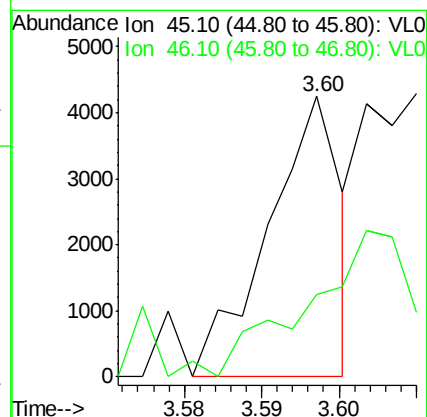
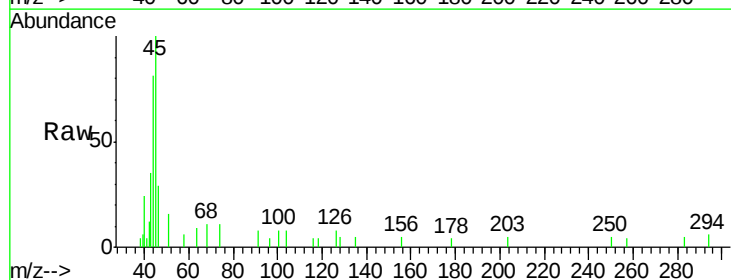
Acq: 5 Oct 2021 23:50

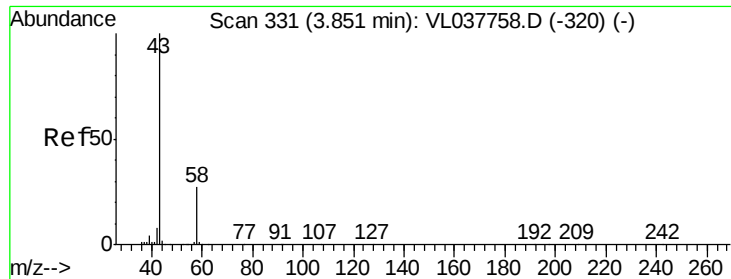
Tgt Ion: 45 Resp: 2785

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#

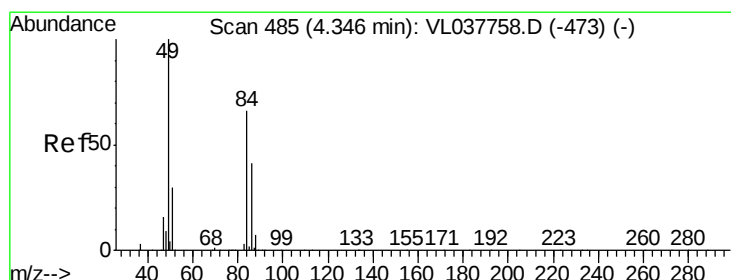
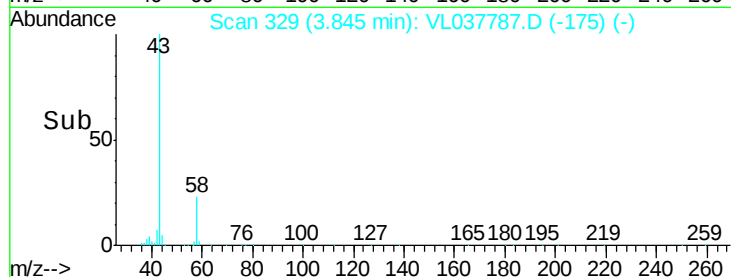
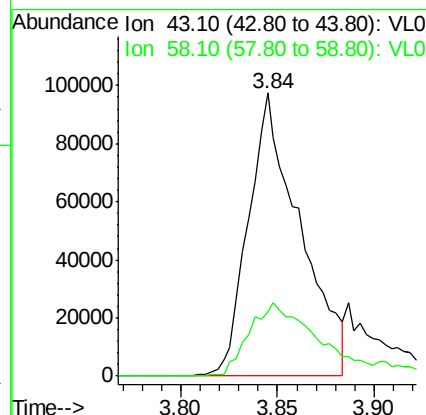
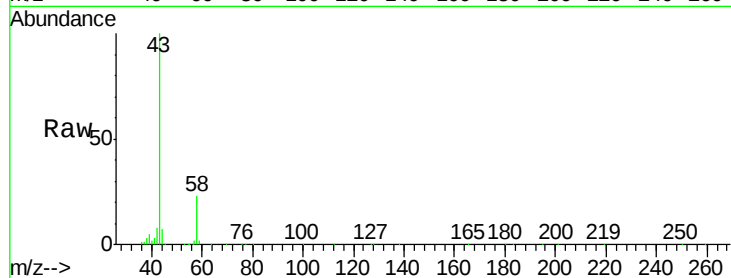




#15
Acetone
Concen: 1.726 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037787.D
Acq: 5 Oct 2021 23:50

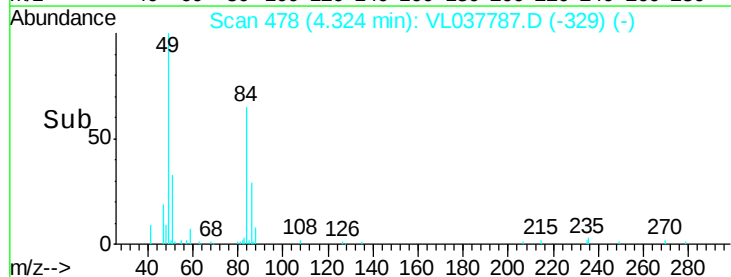
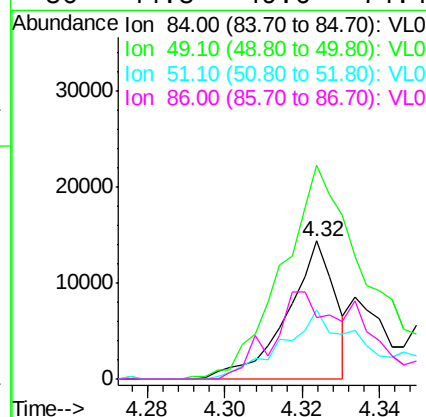
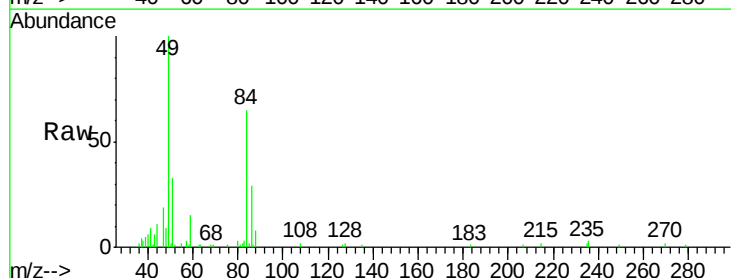
Instrument :
MSVOA_L
ClientSampleId :
C0P19DL

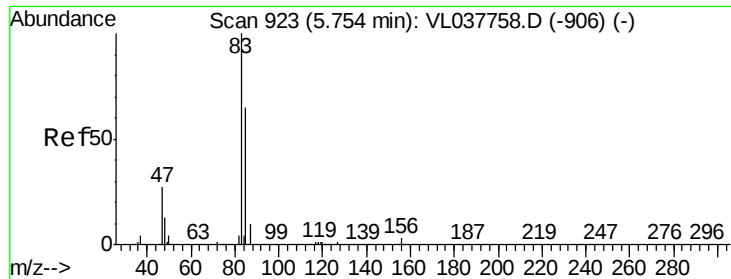
Tgt Ion: 43 Resp: 180308
Ion Ratio Lower Upper
43 100
58 39.3 23.0 34.6#



#20
Methylene Chloride
Concen: 0.235 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL037787.D
Acq: 5 Oct 2021 23:50

Tgt Ion: 84 Resp: 12421
Ion Ratio Lower Upper
84 100
49 153.1 120.7 181.1
51 50.5 36.2 54.4
86 44.8 49.6 74.4#





#29

Chloroform

Concen: 0.031 ppbv

RT: 5.73 min Scan# 914

Delta R.T. -0.03 min

Lab File: VL037787.D

Acq: 5 Oct 2021 23:50

Instrument :

MSVOA_L

ClientSampleId :

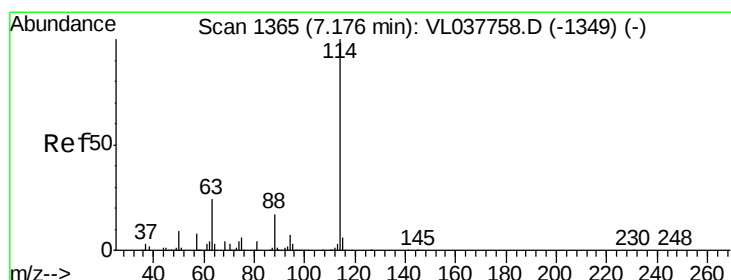
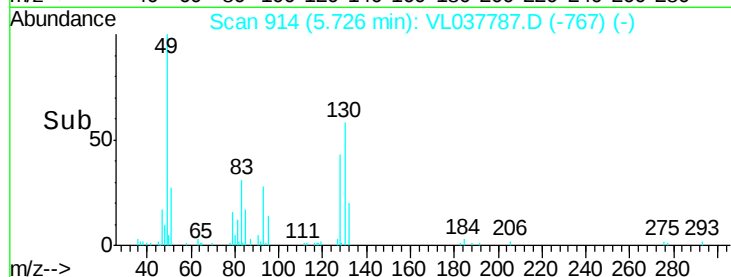
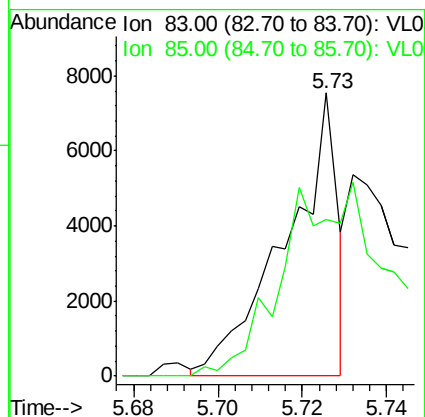
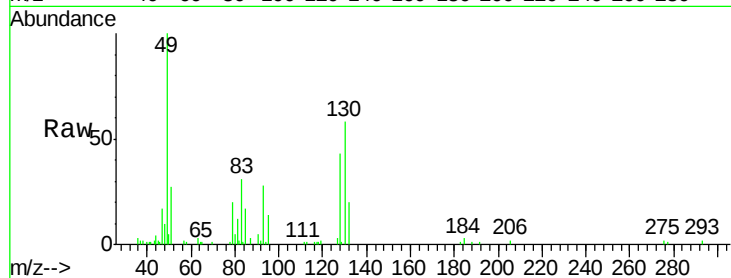
C0P19DL

Tgt Ion: 83 Resp: 6398

Ion Ratio Lower Upper

83 100

85 56.9 51.8 77.8



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.03 min

Lab File: VL037787.D

Acq: 5 Oct 2021 23:50

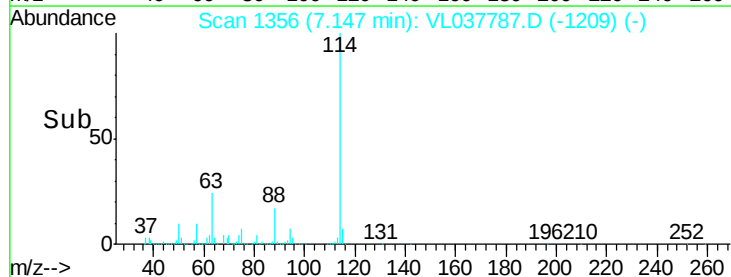
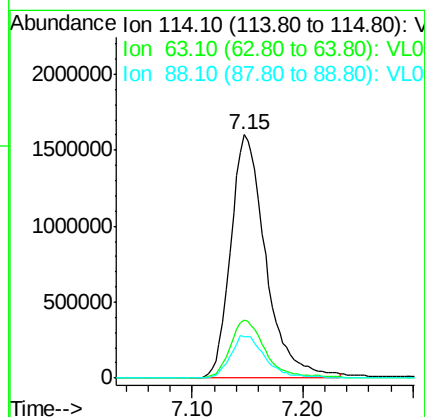
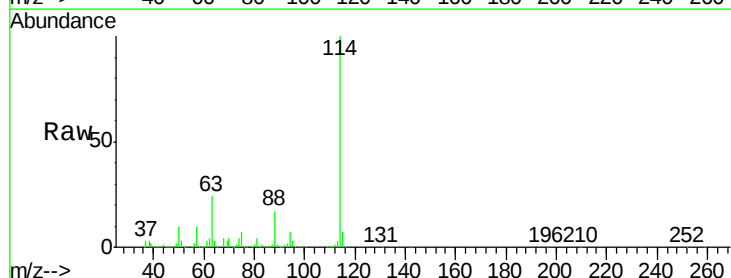
Tgt Ion: 114 Resp: 3530909

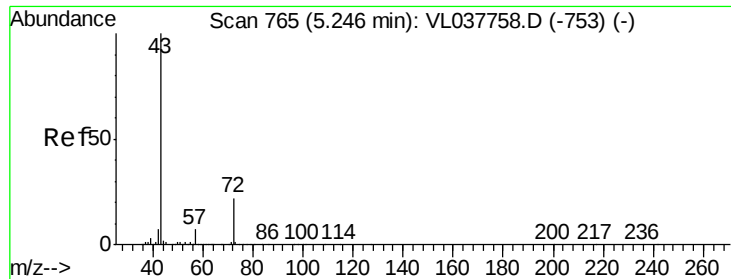
Ion Ratio Lower Upper

114 100

63 24.3 19.4 29.2

88 17.6 14.4 21.6

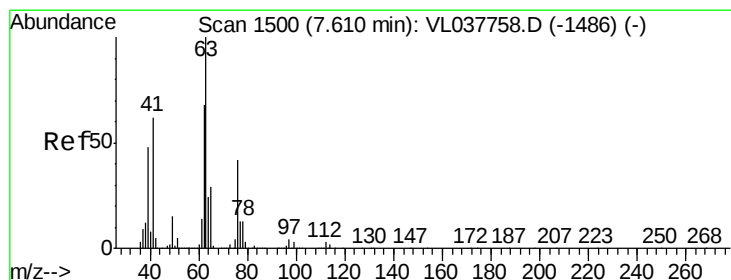
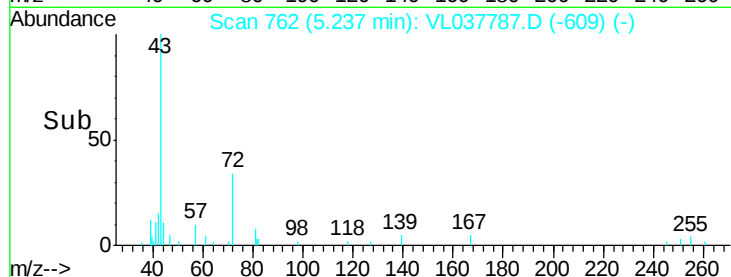
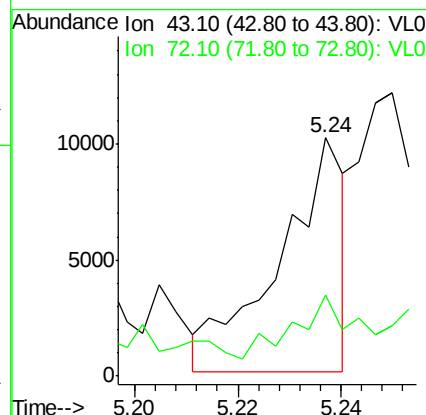
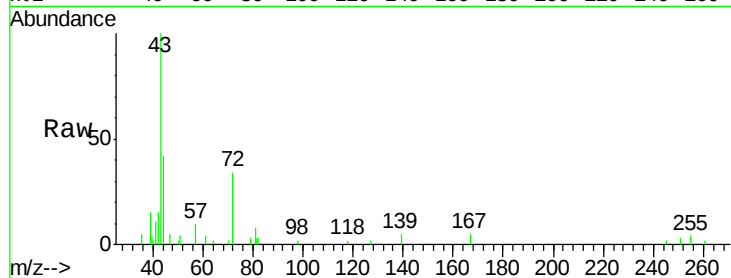




#34
 2-Butanone
 Concen: 0.062 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL037787.D
 Acq: 5 Oct 2021 23:50

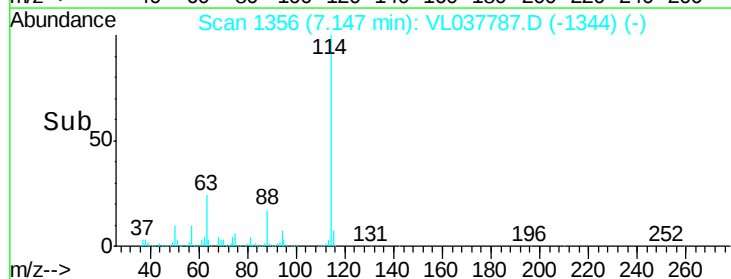
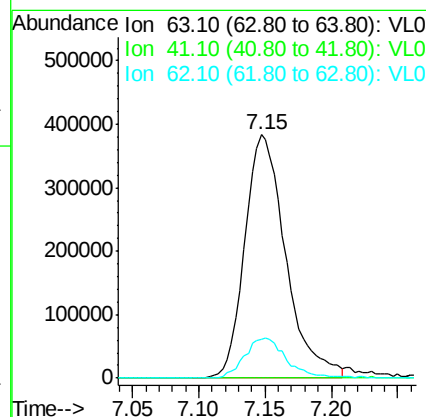
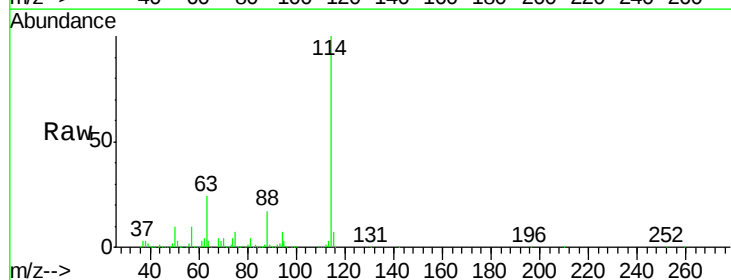
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P19DL

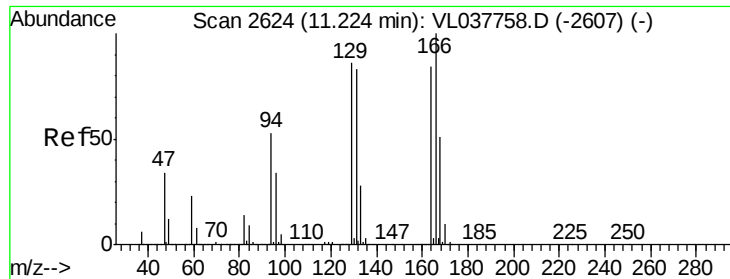
Tgt Ion: 43 Resp: 8845
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.2 27.2#



#39
 1,2-Dichloropropane
 Concen: 7.278 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.46 min
 Lab File: VL037787.D
 Acq: 5 Oct 2021 23:50

Tgt Ion: 63 Resp: 825642
 Ion Ratio Lower Upper
 63 100
 41 0.1 49.8 74.6#
 62 16.2 54.6 82.0#





#52

Tetrachloroethene

Concen: 7.644 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.03 min

Lab File: VL037787.D

Acq: 5 Oct 2021 23:50

Instrument :

MSVOA_L

ClientSampleID :

C0P19DL

Tgt Ion:164 Resp: 896869

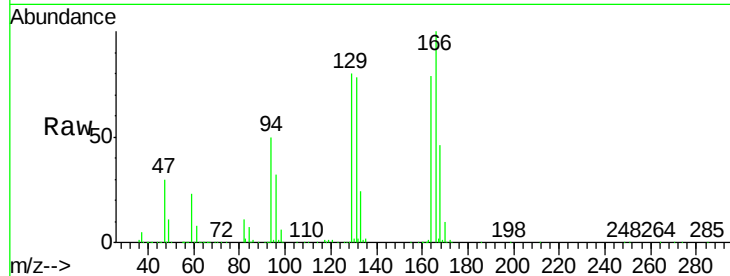
Ion Ratio Lower Upper

164 100

166 126.0 95.4 143.2

129 101.3 82.2 123.4

131 98.2 79.4 119.2

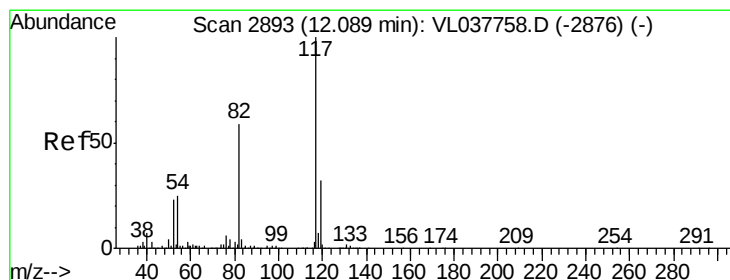
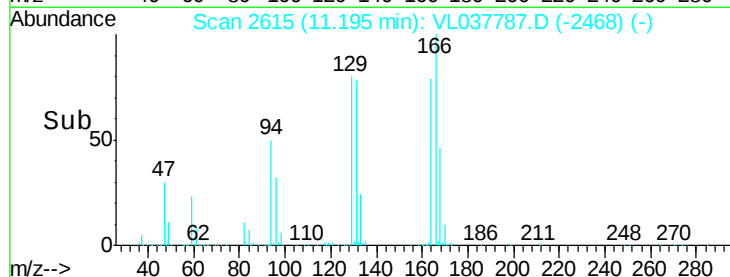
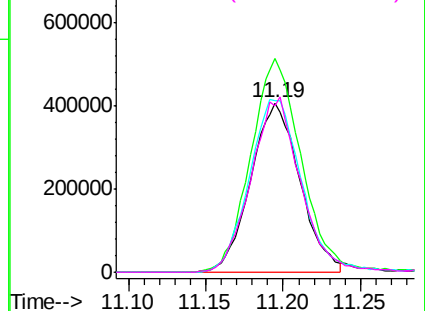


Abundance Ion 163.90 (163.60 to 164.60): V

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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.03 min

Lab File: VL037787.D

Acq: 5 Oct 2021 23:50

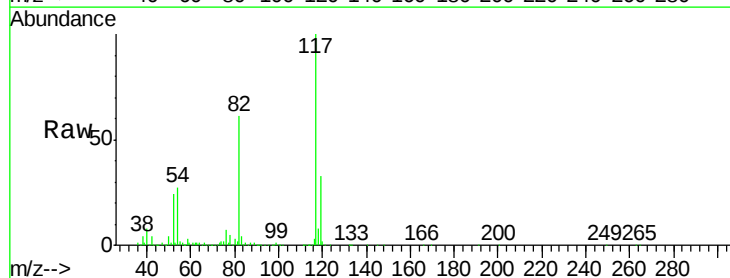
Tgt Ion:117 Resp: 2935592

Ion Ratio Lower Upper

117 100

82 65.6 52.2 78.2

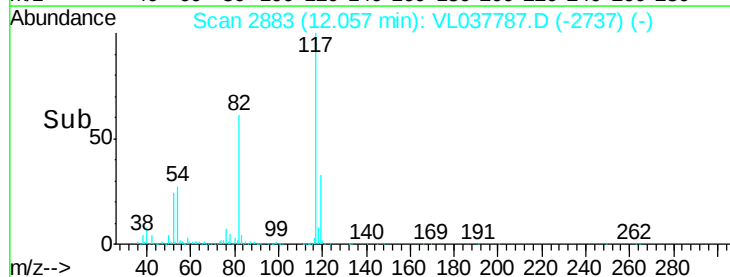
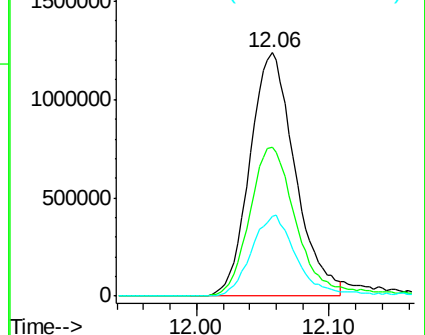
119 35.4 26.0 39.0

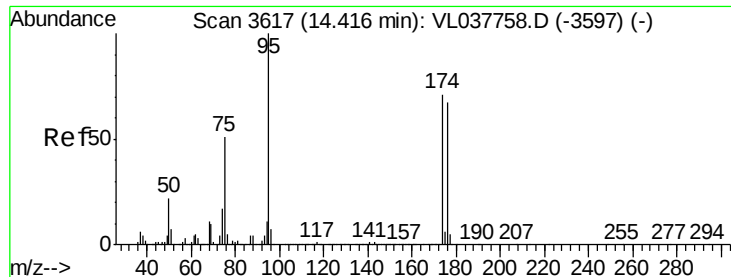


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.867 ppbv

RT: 14.38 min Scan# 3606

Delta R.T. -0.04 min

Lab File: VL037787.D

Acq: 5 Oct 2021 23:50

Instrument :

MSVOA_L

ClientSampleId :

C0P19DL

Tgt Ion: 95 Resp: 2025613

Ion Ratio Lower Upper

95 100

174 77.7 57.8 86.6

175 5.9 4.7 7.1

