

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037807.D
 Acq On : 7 Oct 2021 22:21
 Operator : SY/AP
 Sample : M4079-13DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P06DL

Manual Integrations
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Quant Time: Oct 08 11:02:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 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	1415288	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4187103	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3574127	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2507429	10.03	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	15527m	0.155	ppbv	
13) Ethanol	3.62	45	16887m	2.064	ppbv	
15) Acetone	3.86	43	51090m	0.402	ppbv	
20) Methylene Chloride	4.33	84	28802m	0.449	ppbv	
29) Chloroform	5.74	83	42590	0.170	ppbv	98
38) Trichloroethene	7.82	130	34851	0.247	ppbv #	75
52) Tetrachloroethene	11.21	164	2092425	15.038	ppbv	97

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

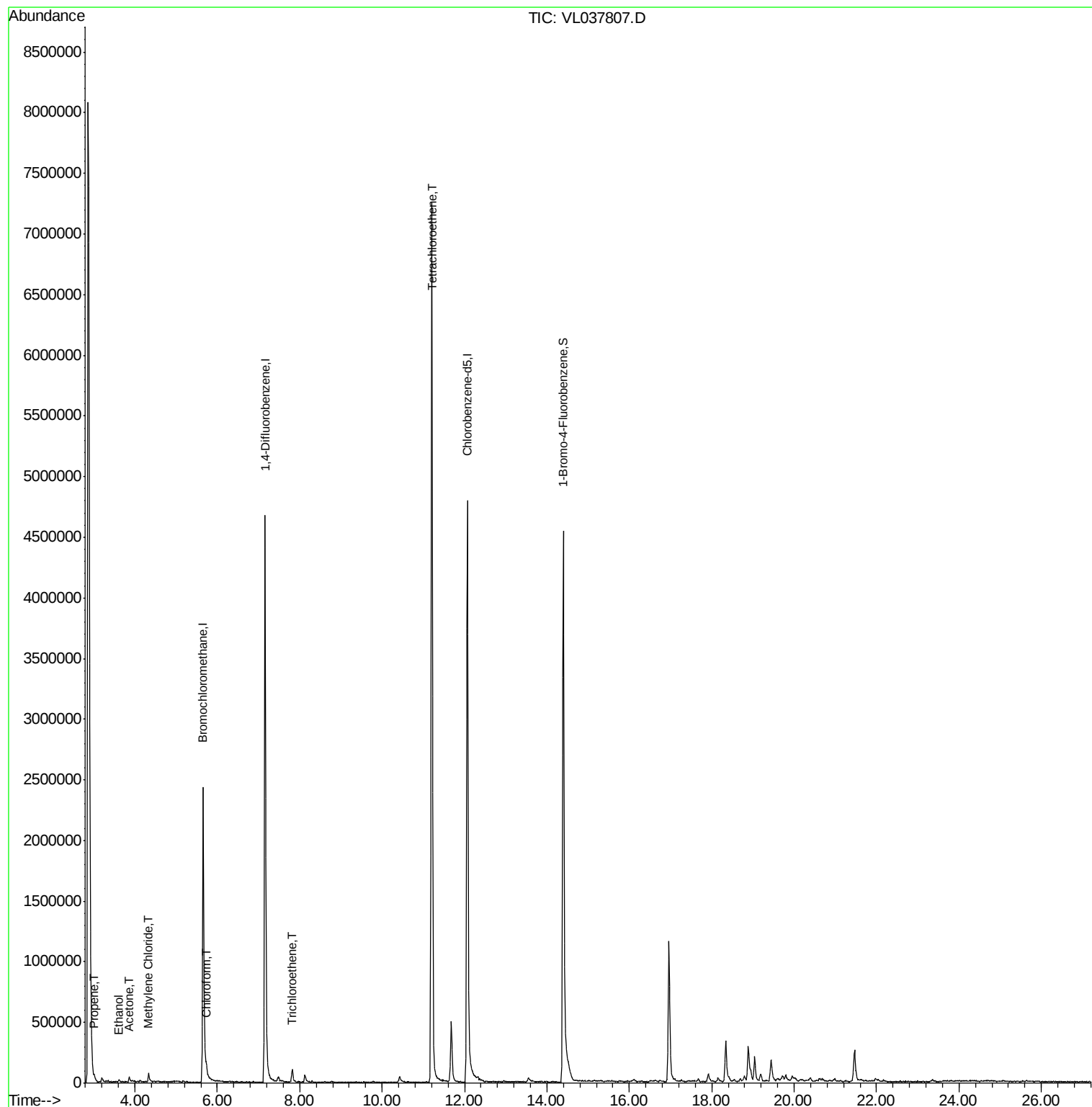
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
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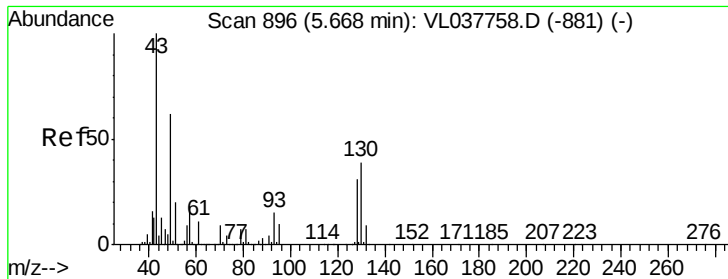
Instrument :
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Quant Time: Oct 08 11:02:11 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
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QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL037807.D

Acq: 7 Oct 2021 22:21

Instrument :

MSVOA_L

ClientSampleId :

C0P06DL

Tgt Ion: 49 Resp: 1415288

Ion Ratio Lower Upper

49 100

128 53.0 27.1 81.3

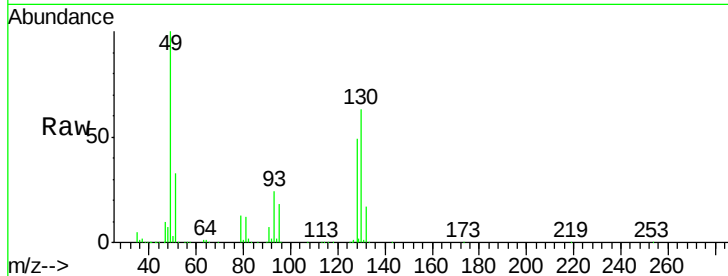
130 69.1 33.2 99.6

Manual Integrations

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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

800000

600000

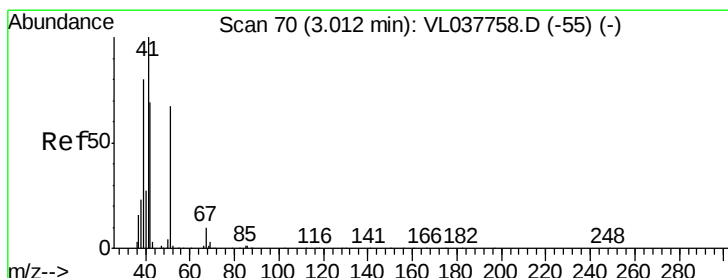
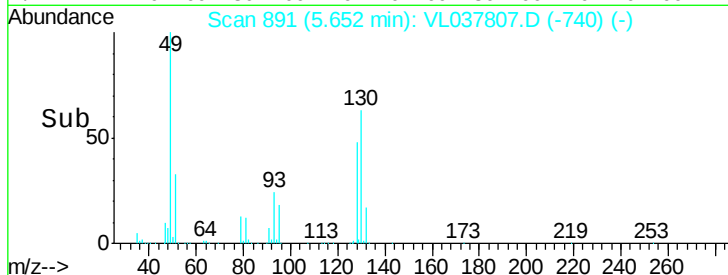
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#9

Propene

Concen: 0.155 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037807.D

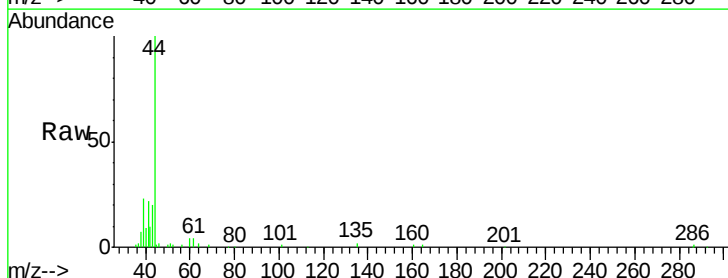
Acq: 7 Oct 2021 22:21

Tgt Ion: 41 Resp: 15527

Ion Ratio Lower Upper

41 100

42 48.0 54.2 81.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

8000

6000

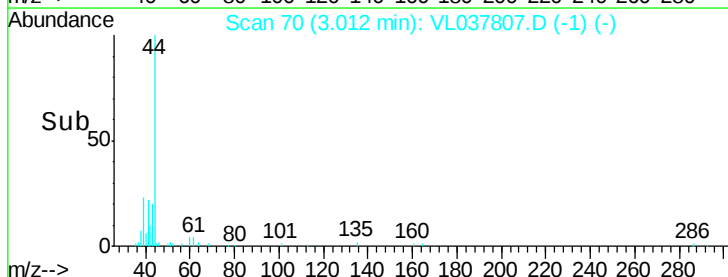
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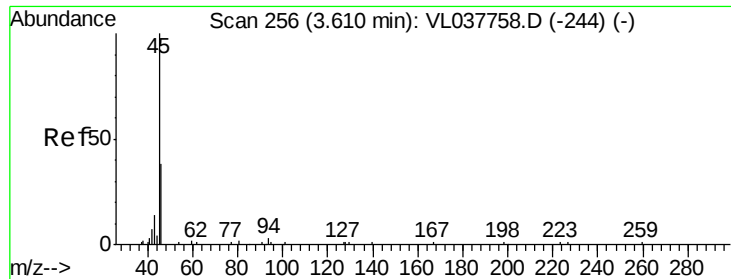
2000

0

2.95 3.00 3.05 3.10

Time-->





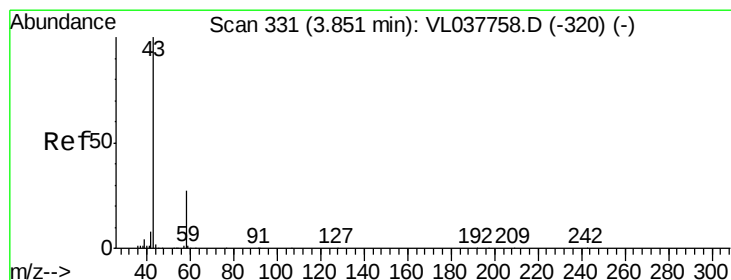
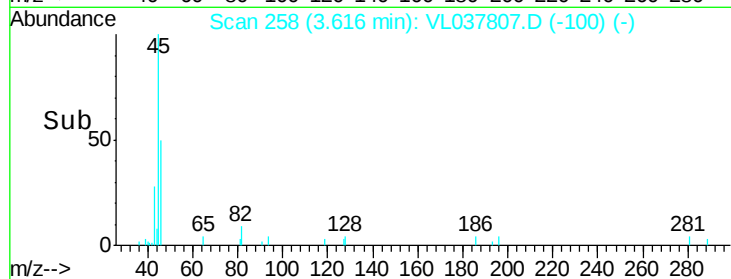
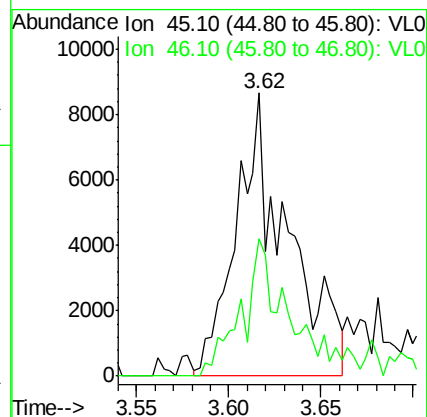
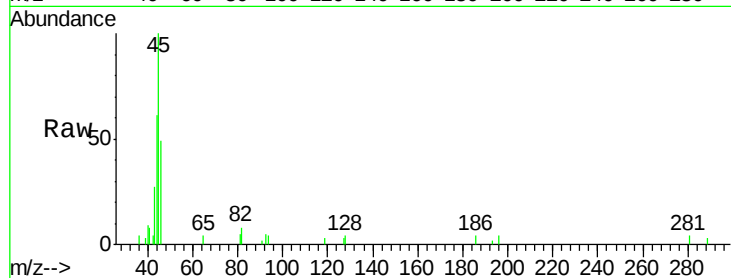
#13
Ethanol
Concen: 2.064 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL037807.D
Acq: 7 Oct 2021 22:21

Instrument :
MSVOA_L
ClientSampleID :
C0P06DL

Tgt Ion: 45 Resp: 16887
Ion Ratio Lower Upper
45 100
46 0.0 20.2 81.0#

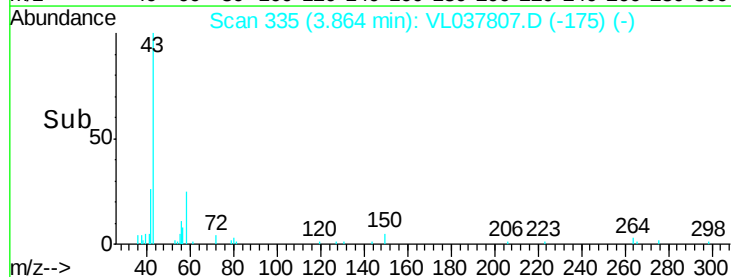
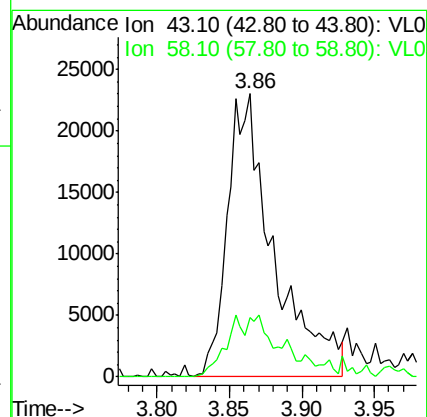
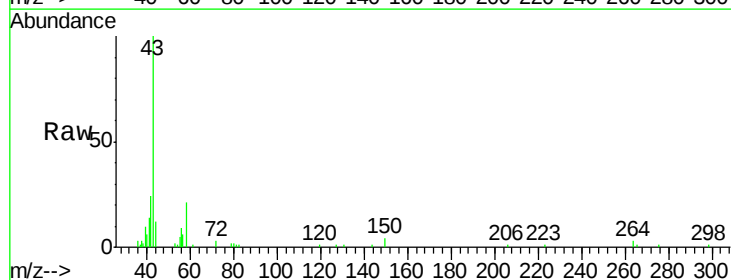
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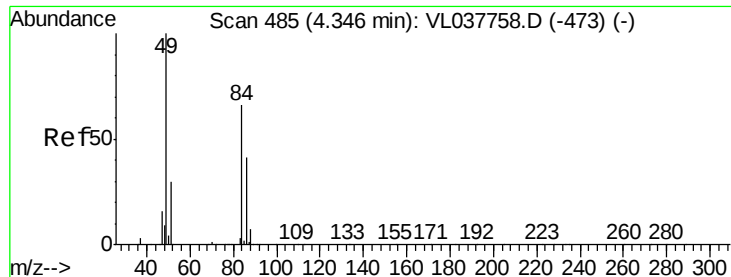
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#15
Acetone
Concen: 0.402 ppbv m
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL037807.D
Acq: 7 Oct 2021 22:21

Tgt Ion: 43 Resp: 51090
Ion Ratio Lower Upper
43 100
58 0.0 23.0 34.6#





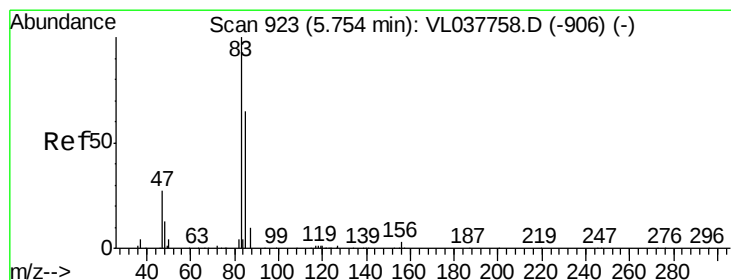
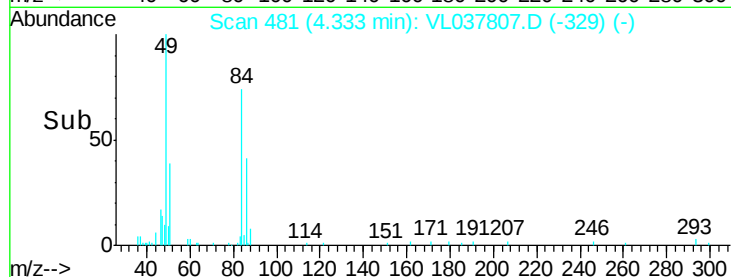
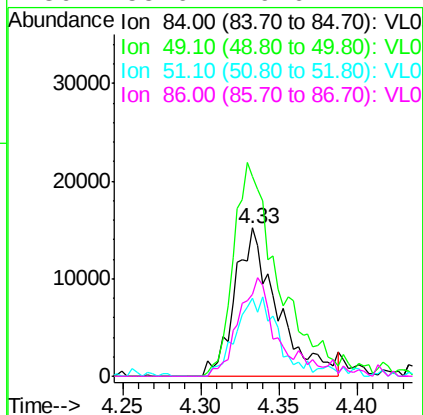
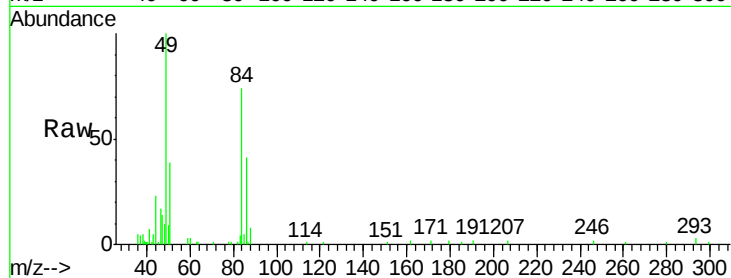
#20
Methylene Chloride
Concen: 0.449 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL037807.D
Acq: 7 Oct 2021 22:21

Instrument :
MSVOA_L
ClientSampleId :
C0P06DL

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.7	120.7	181.1
51	52.6	36.2	54.4
86	55.6	49.6	74.4

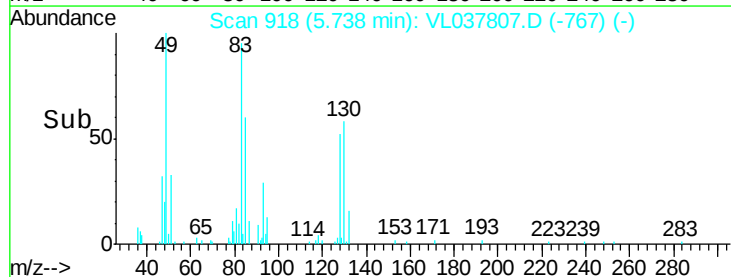
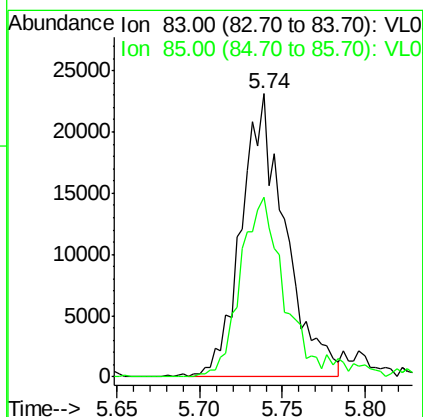
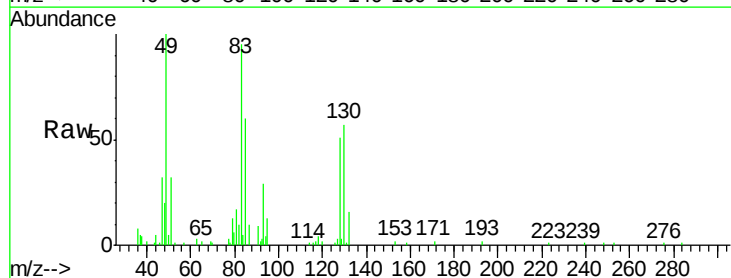
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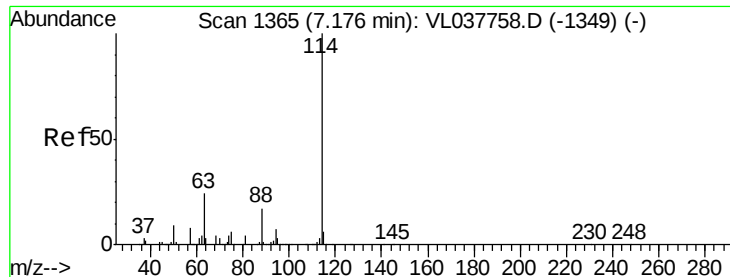
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#29
Chloroform
Concen: 0.170 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037807.D
Acq: 7 Oct 2021 22:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.8





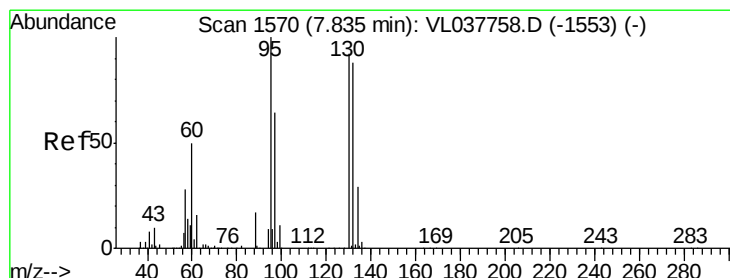
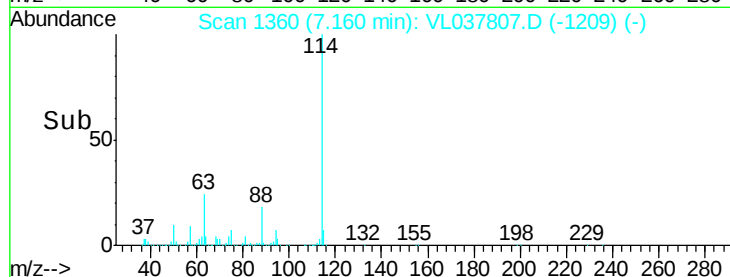
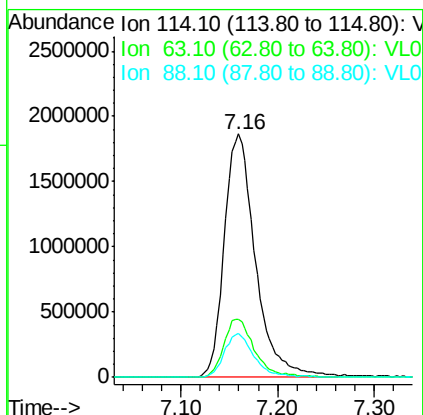
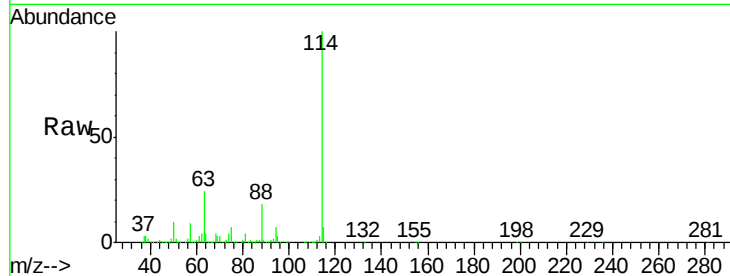
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VL037807.D
 Acq: 7 Oct 2021 22:21

Instrument :
 MSVOA_L
 ClientSampleID :
 C0P06DL

Tgt Ion:114 Resp: 4187103
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.4 29.2
 88 17.5 14.4 21.6

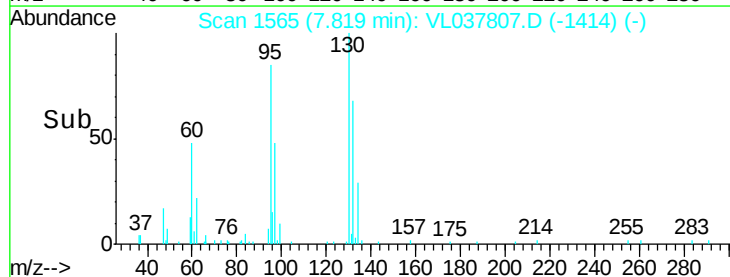
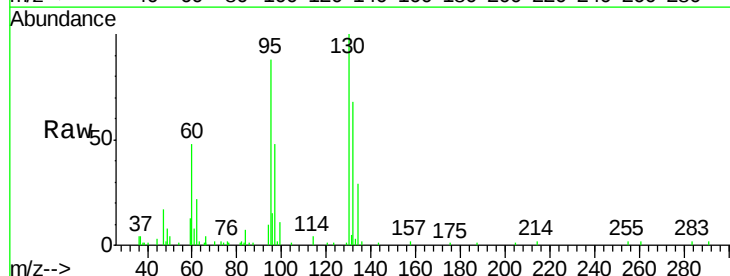
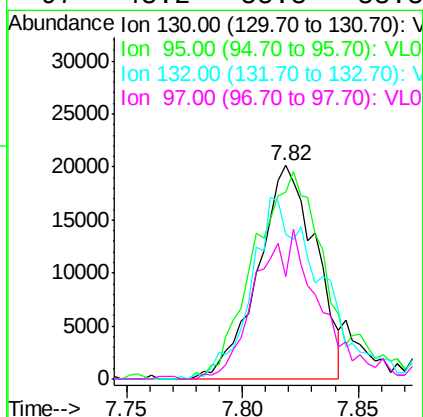
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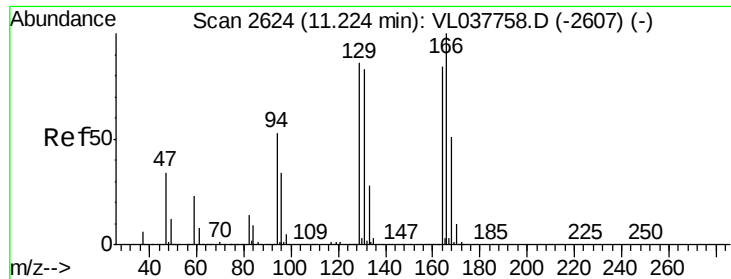
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#38
 Trichloroethene
 Concen: 0.247 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: VL037807.D
 Acq: 7 Oct 2021 22:21

Tgt Ion:130 Resp: 34851
 Ion Ratio Lower Upper
 130 100
 95 87.6 87.4 131.0
 132 68.0 76.8 115.2#
 97 48.2 55.8 83.8#





#52

Tetrachloroethene

Concen: 15.038 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.02 min

Lab File: VL037807.D

Acq: 7 Oct 2021 22:21

Instrument :

MSVOA_L

ClientSampleID :

C0P06DL

Tgt Ion:164 Resp: 2092425

Ion Ratio Lower Upper

164 100

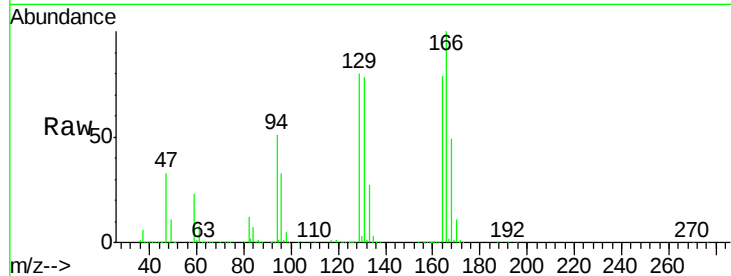
166 127.3 95.4 143.2

129 102.0 82.2 123.4

131 98.7 79.4 119.2

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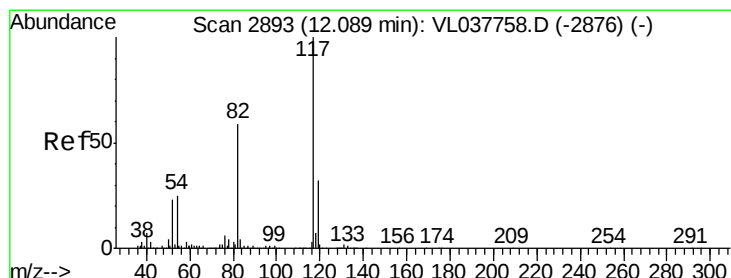
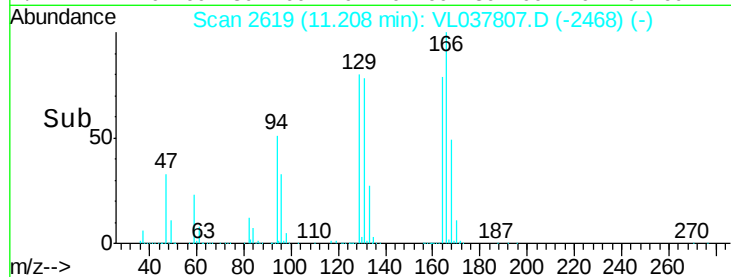
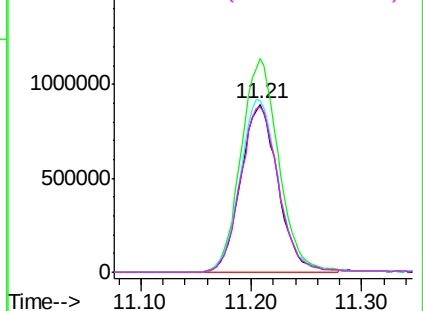


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.07 min Scan# 2886

Delta R.T. -0.02 min

Lab File: VL037807.D

Acq: 7 Oct 2021 22:21

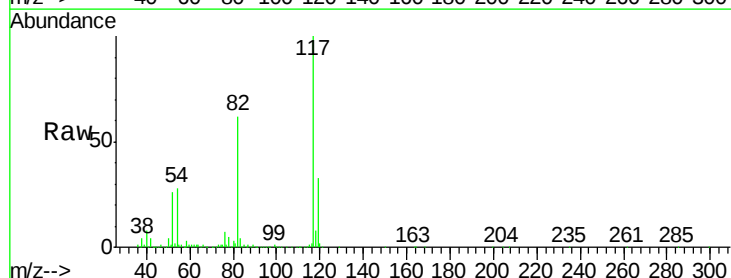
Tgt Ion:117 Resp: 3574127

Ion Ratio Lower Upper

117 100

82 64.9 52.2 78.2

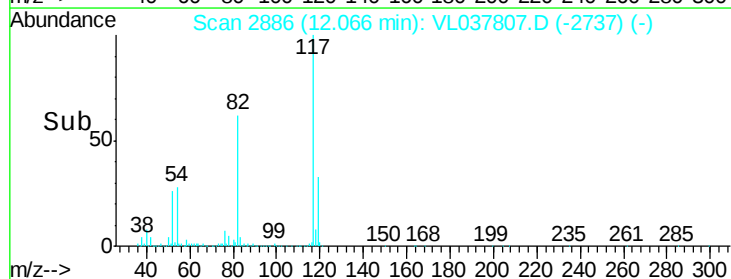
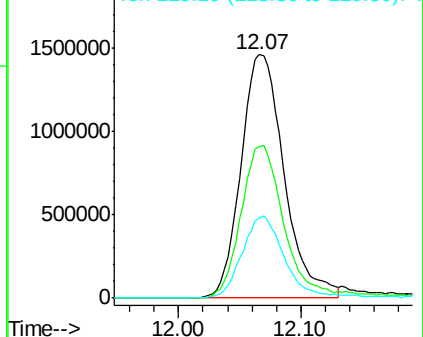
119 33.4 26.0 39.0

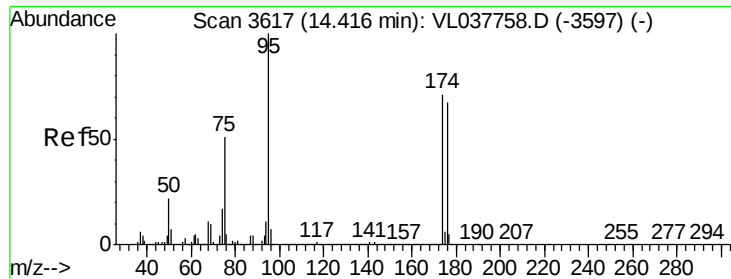


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.032 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.02 min
 Lab File: VL037807.D
 Acq: 7 Oct 2021 22:21

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P06DL

Tgt Ion: 95 Resp: 2507429
 Ion Ratio Lower Upper
 95 100
 174 75.3 57.8 86.6
 175 6.0 4.7 7.1

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