

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037424.D
 Acq On : 12 Aug 2021 22:04
 Operator : SY/AP
 Sample : M3239-03REDL 5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1REDL

Manual Integrations
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Quant Time: Aug 13 05:22:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1247614	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3779230	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3203954	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2112598	9.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	28894	0.118	ppbv	98
9) Propene	3.02	41	20439m	0.248	ppbv	
13) Ethanol	3.63	45	79109m	9.010	ppbv	
15) Acetone	3.86	43	165722m	1.253	ppbv	
20) Methylene Chloride	4.35	84	387663	5.541	ppbv	98
26) Hexane	5.69	57	217362m	1.336	ppbv	
53) Toluene	9.80	91	67831	0.186	ppbv	91

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

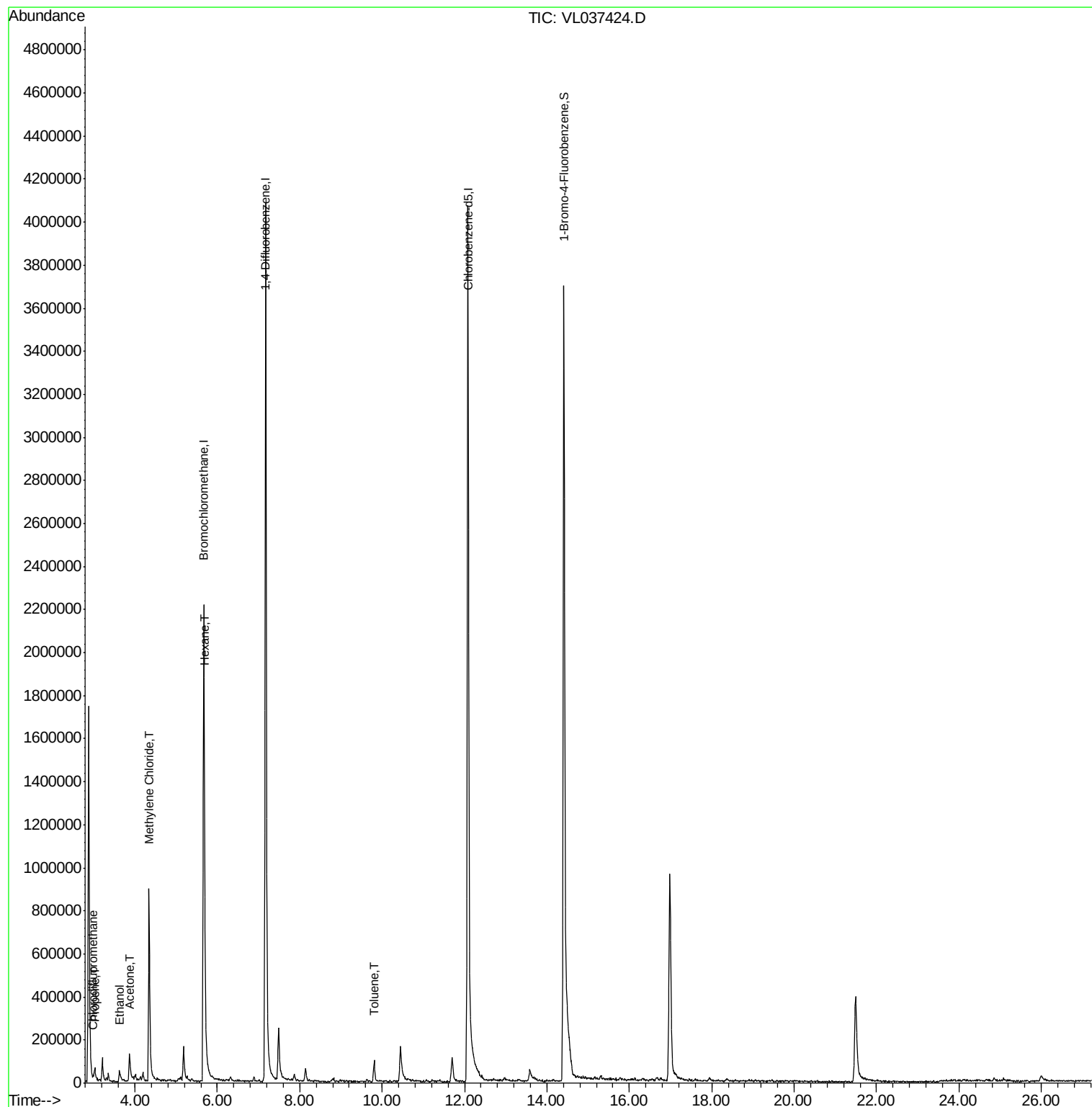
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Data File : VL037424.D
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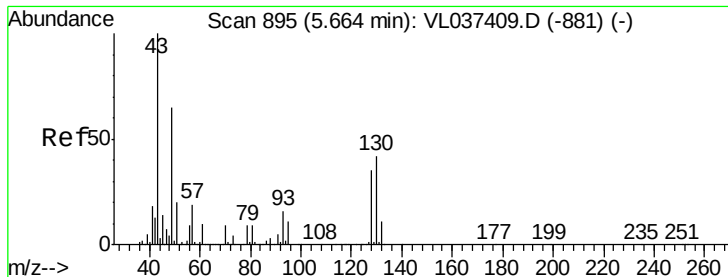
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
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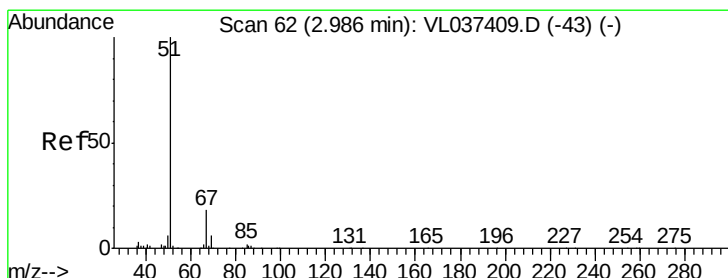
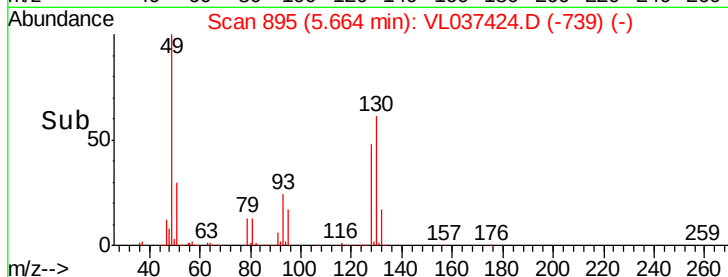
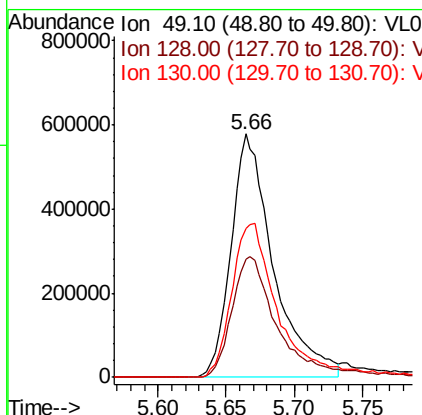
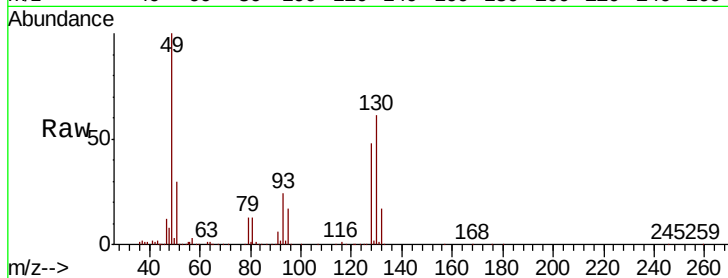
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL037424.D
Acq: 12 Aug 2021 22:04

Instrument :
MSVOA_L
ClientSampled :
QA1REDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	54.2	27.9	83.6
130	71.6	34.6	103.8

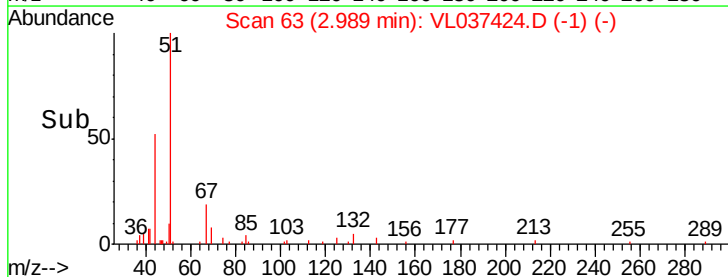
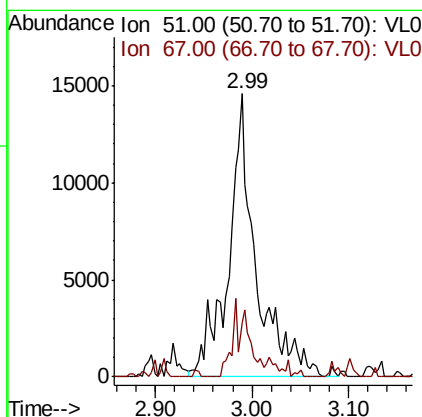
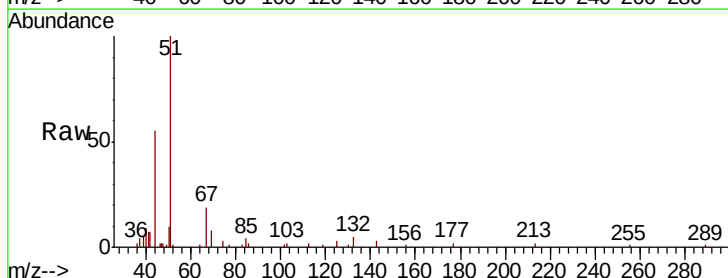
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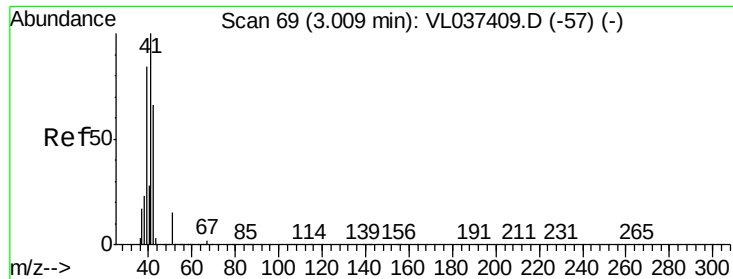
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#3
Chlorodifluoromethane
Concen: 0.118 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.00 min
Lab File: VL037424.D
Acq: 12 Aug 2021 22:04

Tgt Ion	Ratio	Lower	Upper
51	100		
67	19.3	14.7	22.1





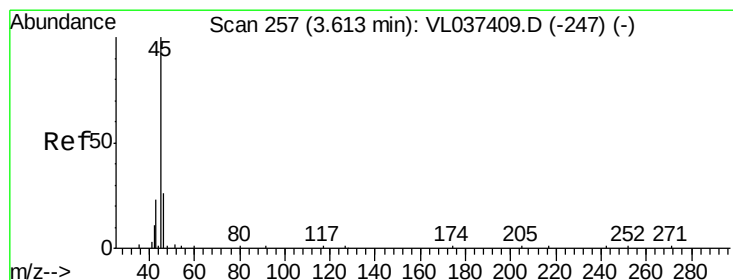
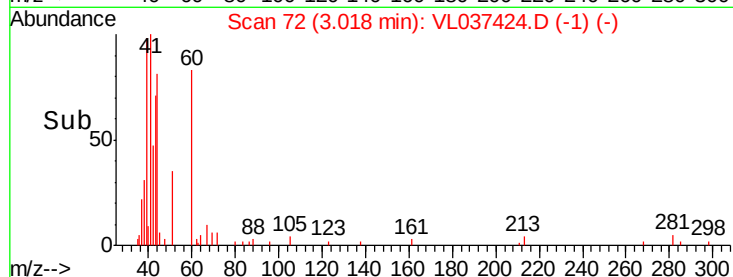
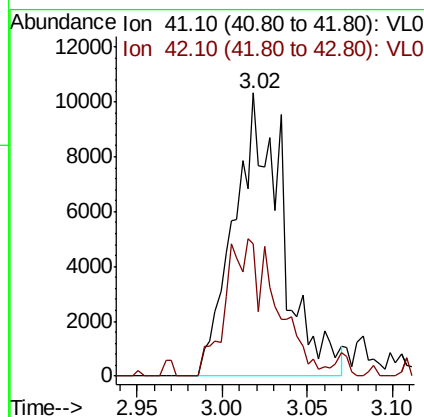
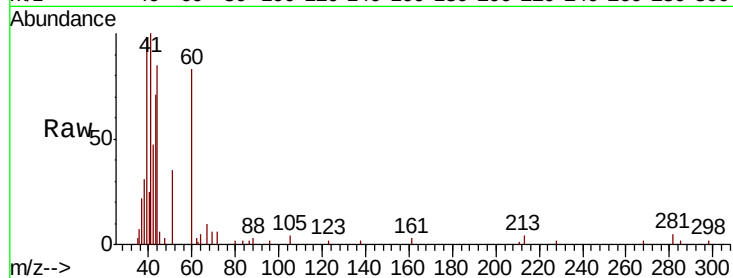
#9
 Propene
 Concen: 0.248 ppbv m
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL037424.D
 Acq: 12 Aug 2021 22:04

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1REDL

Tot Ion: 41 Resp: 20439
 Ion Ratio Lower Upper
 41 100
 42 50.7 53.8 80.8#

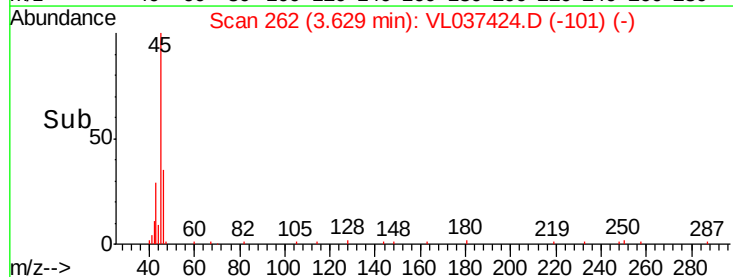
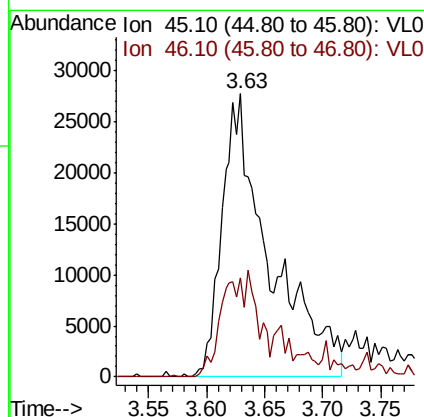
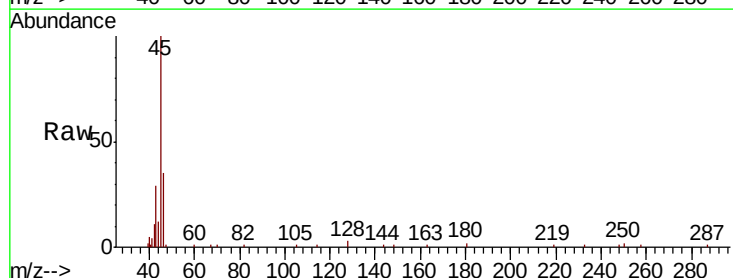
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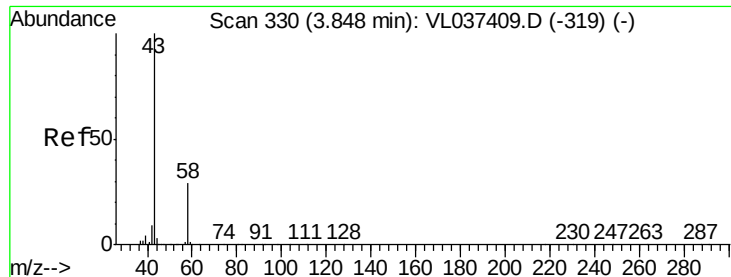
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#13
 Ethanol
 Concen: 9.010 ppbv m
 RT: 3.63 min Scan# 262
 Delta R.T. 0.02 min
 Lab File: VL037424.D
 Acq: 12 Aug 2021 22:04

Tgt Ion: 45 Resp: 79109
 Ion Ratio Lower Upper
 45 100
 46 39.4 18.0 72.2





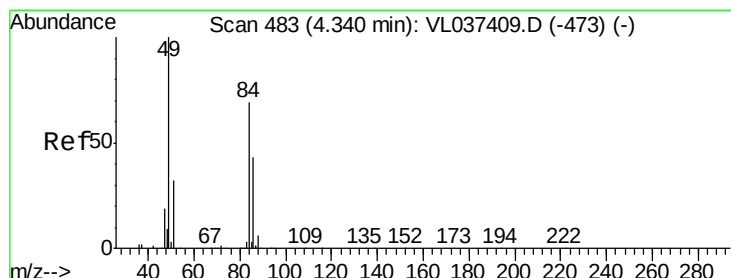
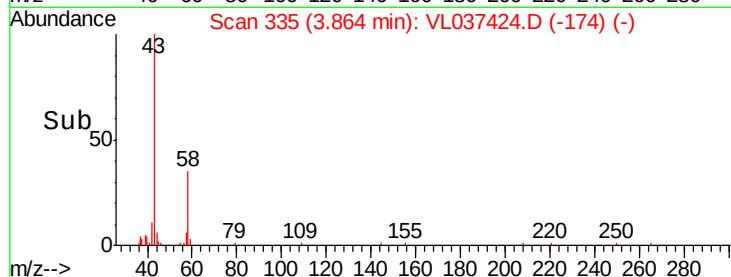
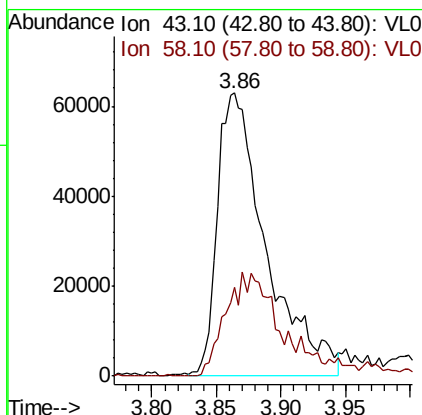
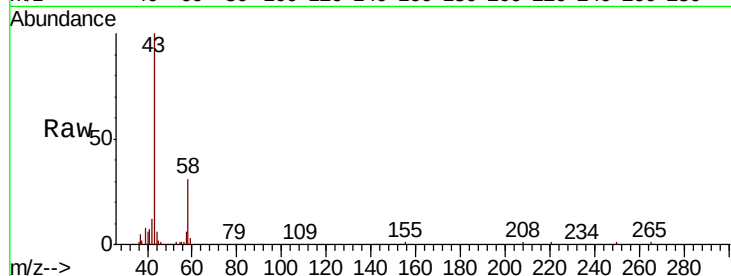
#15
Acetone
Concen: 1.253 ppbv m
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL037424.D
Acq: 12 Aug 2021 22:04

Instrument :
MSVOA_L
ClientSampleId :
QA1REDL

Tot Ion: 43 Resp: 165722
Ion Ratio Lower Upper
43 100
58 45.6 24.4 36.6#

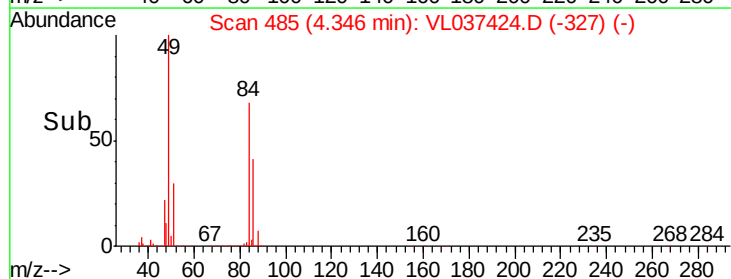
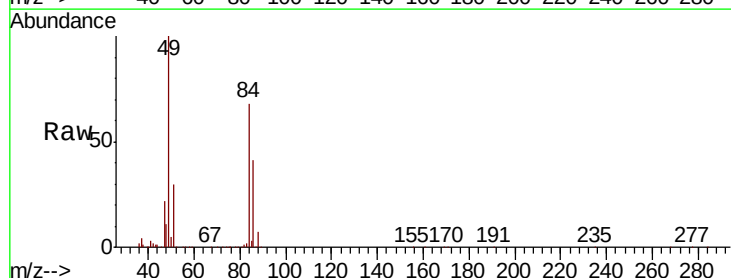
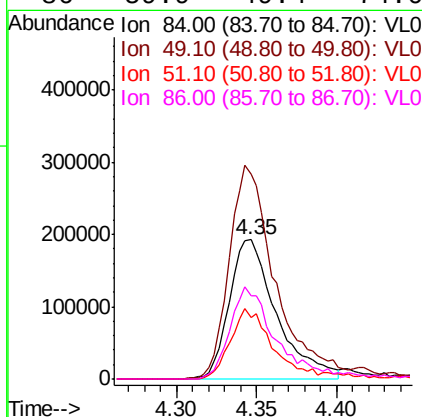
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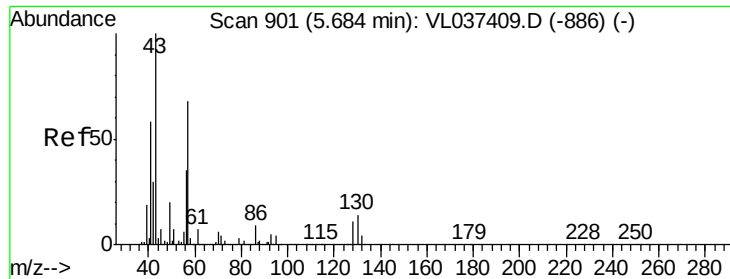
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#20
Methylene Chloride
Concen: 5.541 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL037424.D
Acq: 12 Aug 2021 22:04

Tgt Ion: 84 Resp: 387663
Ion Ratio Lower Upper
84 100
49 146.2 116.0 174.0
51 44.2 37.1 55.7
86 59.9 49.4 74.0





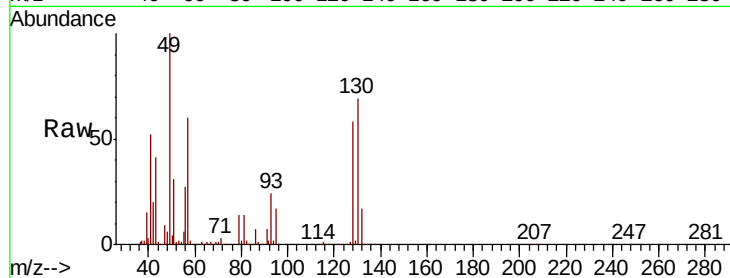
#26
Hexane
Concen: 1.336 ppbv m
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037424.D
Acq: 12 Aug 2021 22:04

Instrument :
MSVOA_L
ClientSampleId :
QA1REDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.5	108.7#
43	0.0	169.3	253.9#
56	51.3	42.3	63.5

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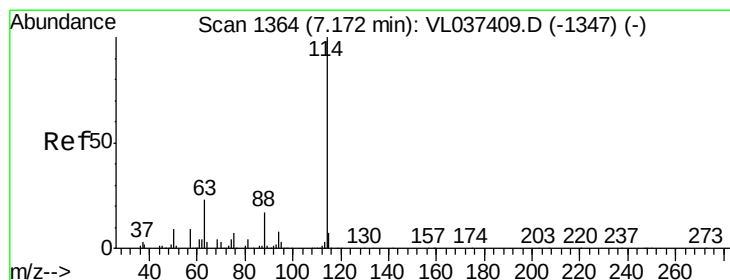
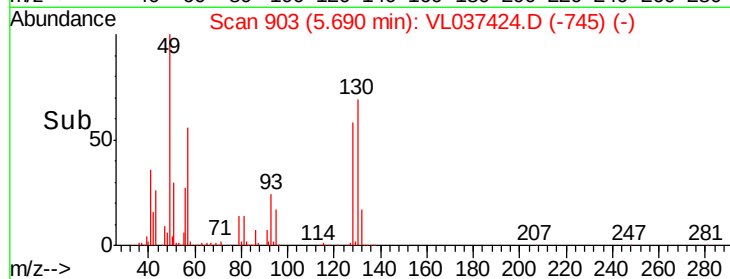
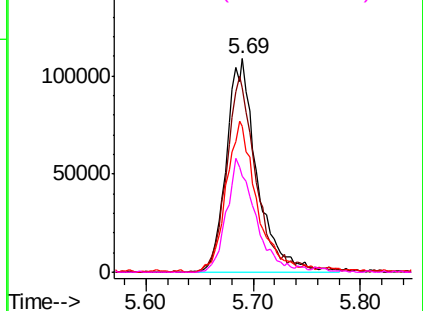
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

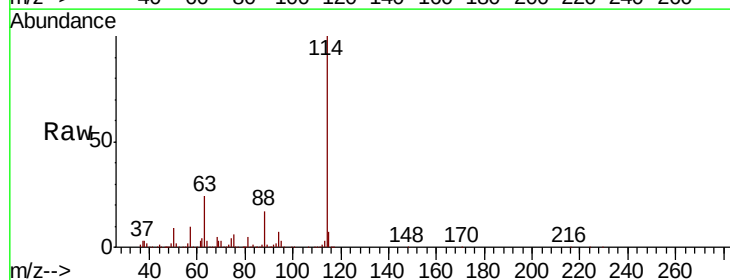
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VL037424.D
Acq: 12 Aug 2021 22:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.2
88	18.0	14.2	21.4

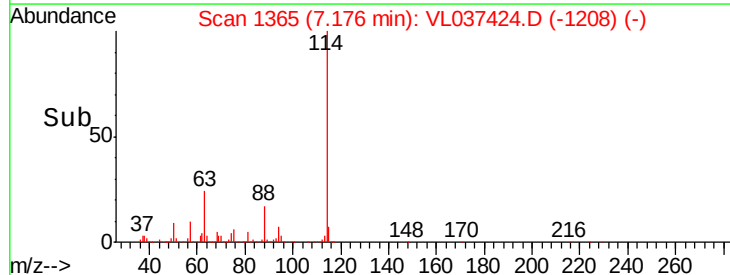
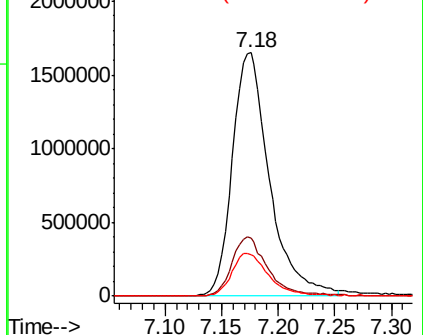


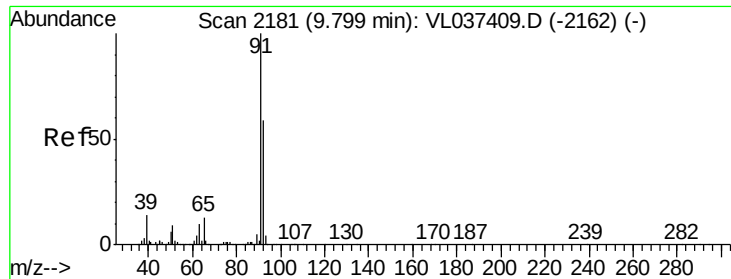
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 0.186 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL037424.D

Acq: 12 Aug 2021 22:04

Instrument :

MSVOA_L

ClientSampleId :

QA1REDL

Tot Ion: 91 Resp: 67831

Ion Ratio Lower Upper

91 100

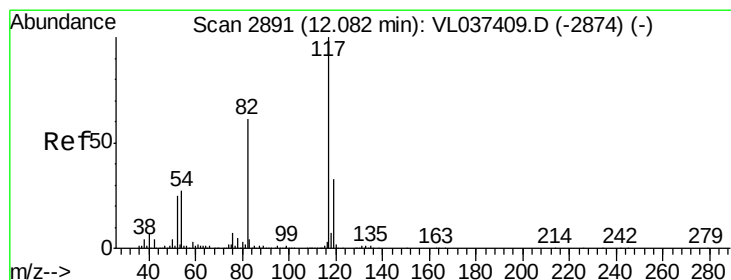
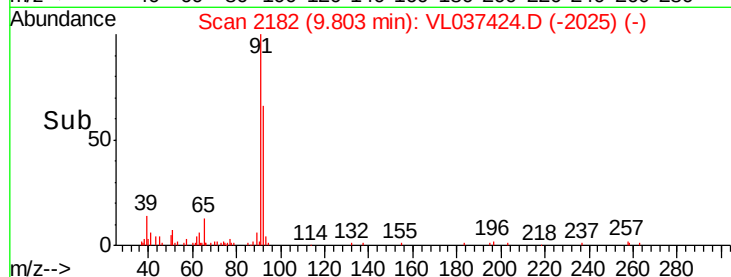
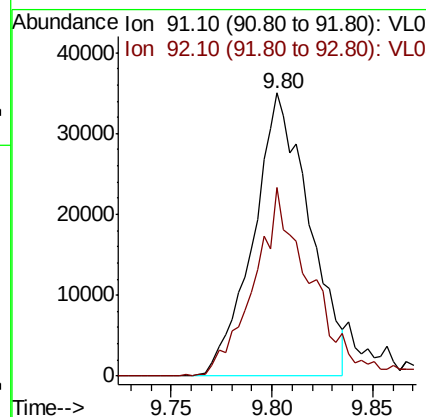
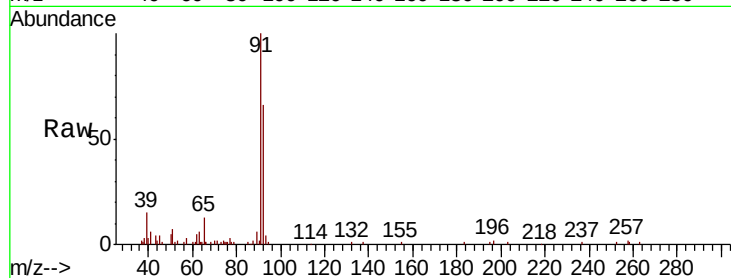
92 68.1 49.0 73.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL037424.D

Acq: 12 Aug 2021 22:04

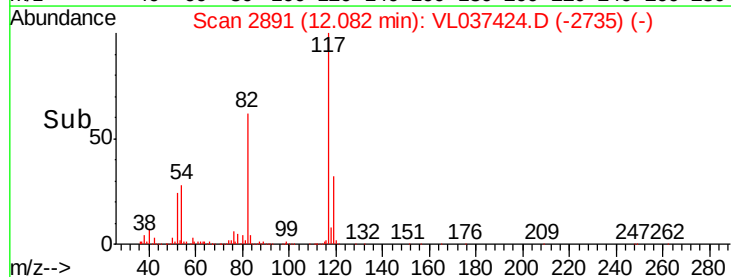
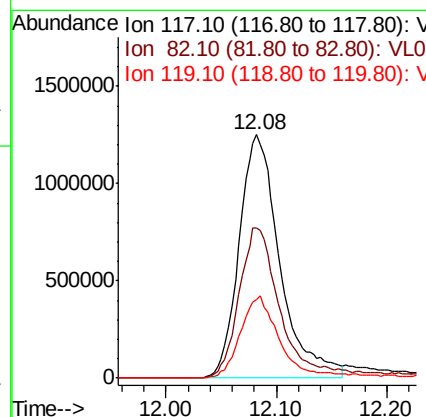
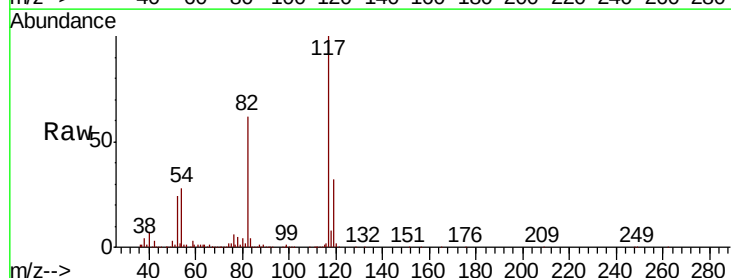
Tgt Ion: 117 Resp: 3203954

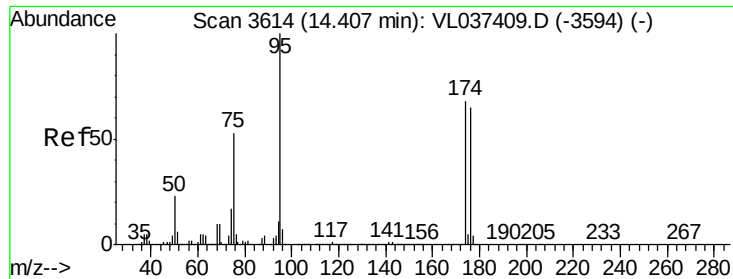
Ion Ratio Lower Upper

117 100

82 67.7 53.1 79.7

119 33.2 28.0 42.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.192 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL037424.D

Acq: 12 Aug 2021 22:04

Instrument :

MSVOA_L

ClientSampleId :

QA1REDL

Tot Ion: 95 Resp: 2112598

Ion Ratio Lower Upper

95 100

174 83.4 59.6 89.4

175 6.1 4.3 6.5

Manual Integrations

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