

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037439.D
 Acq On : 13 Aug 2021 8:10
 Operator : SY/AP
 Sample : M3239-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1REDL

Manual Integrations
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Quant Time: Aug 13 08:40:53 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 08:41:19 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	1045033	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3093809	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2633570	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1972614	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	20703	0.101	ppbv	99
4) Chloromethane	3.14	50	2556	0.035	ppbv #	42
9) Propene	3.01	41	8503	0.123	ppbv #	16
13) Ethanol	3.63	45	6454	0.878	ppbv #	31
15) Acetone	3.87	43	73522	0.663	ppbv #	44
20) Methylene Chloride	4.34	84	244232	4.168	ppbv	98
25) Ethyl Acetate	5.68	43	63232	0.239	ppbv #	76
26) Hexane	5.69	57	221755	1.627	ppbv #	45
39) 1,2-Dichloropropane	7.17	63	725017	7.296	ppbv #	26
53) Toluene	9.80	91	21891	0.074	ppbv #	33

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

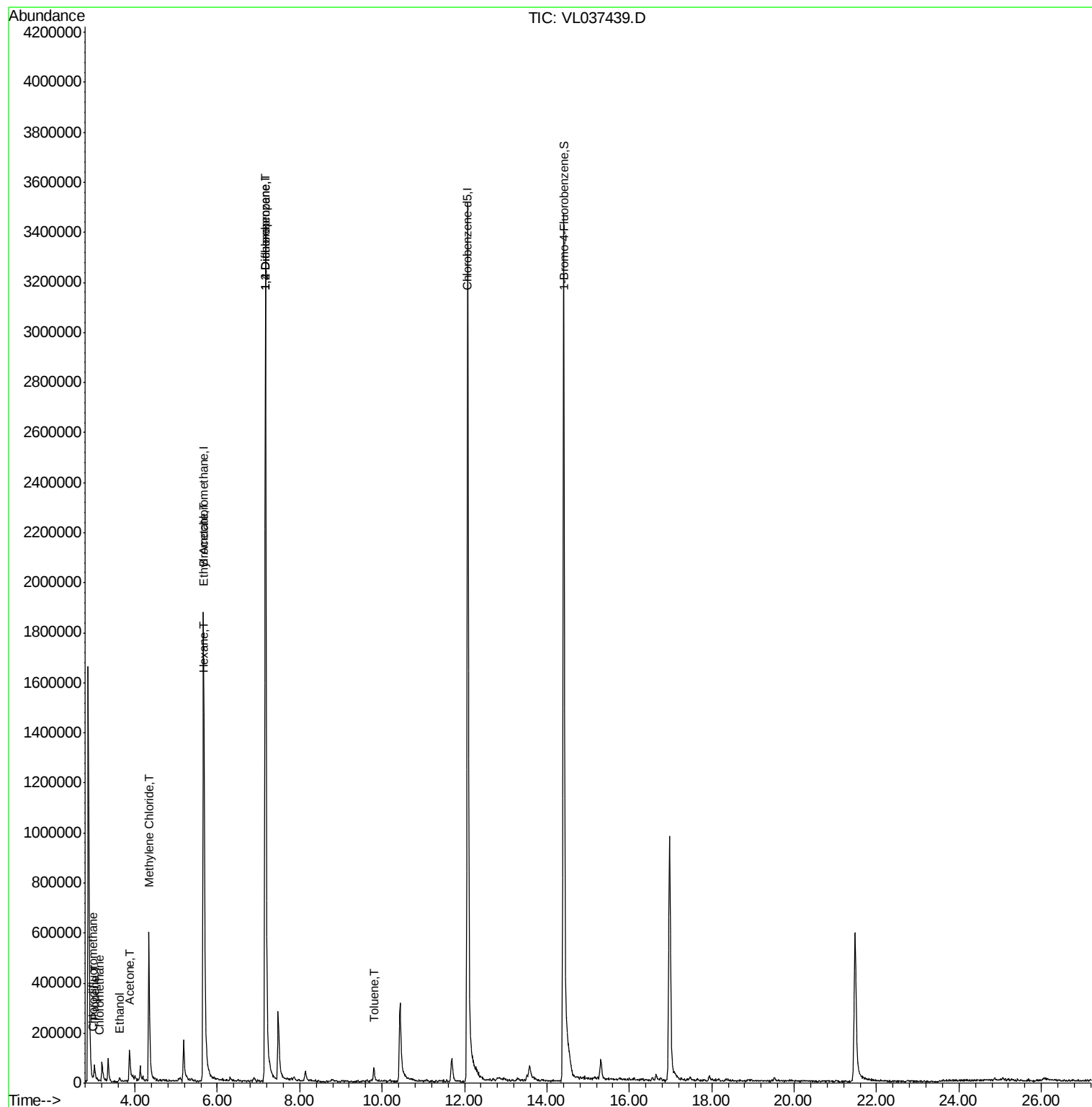
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081221\
Data File : VL037439.D
Acq On : 13 Aug 2021 8:10
Operator : SY/AP
Sample : M3239-02DL 10X
Misc : 400mL/MSVOA L
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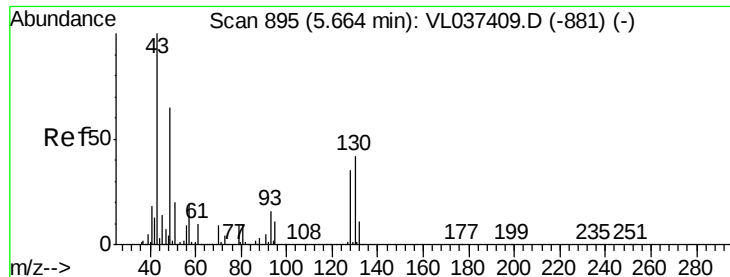
Instrument :
MSVOA_L
ClientSampleId :
IA1REDL

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Quant Time: Aug 13 08:40:53 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL037439.D

Acq: 13 Aug 2021 8:10

Instrument :

MSVOA_L

ClientSampleId :

IA1REDL

Tot Ion: 49 Resp: 1045033

Ion Ratio Lower Upper

49 100

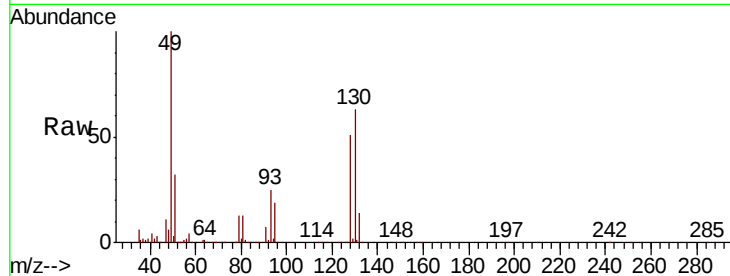
128 56.0 27.9 83.6

130 69.9 34.6 103.8

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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

5.66

600000

500000

400000

300000

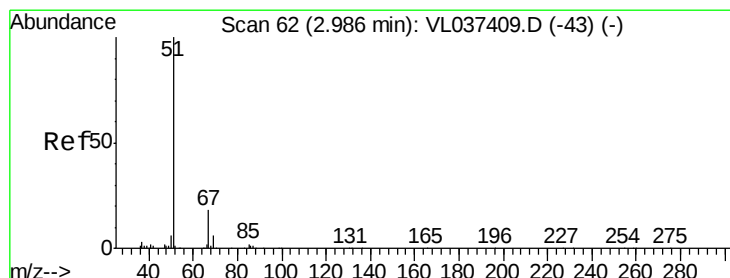
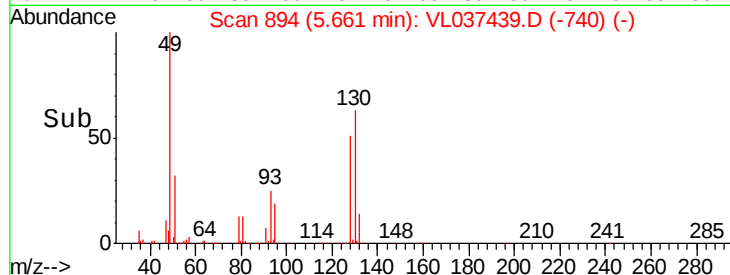
200000

100000

0

5.60 5.65 5.70 5.75

Time-->



#3

Chlorodifluoromethane

Concen: 0.101 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL037439.D

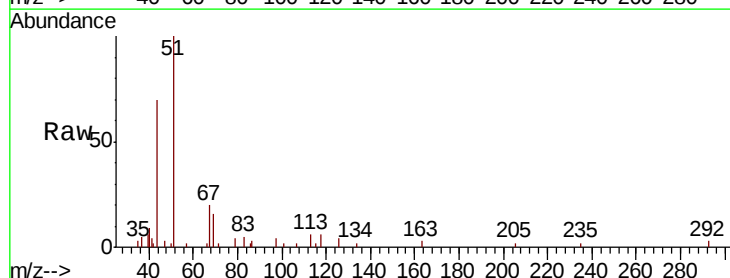
Acq: 13 Aug 2021 8:10

Tgt Ion: 51 Resp: 20703

Ion Ratio Lower Upper

51 100

67 17.9 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

10000

8000

6000

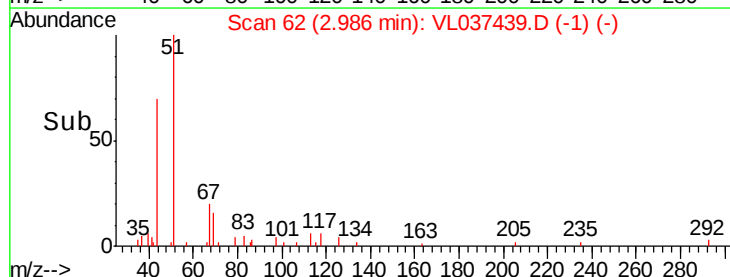
4000

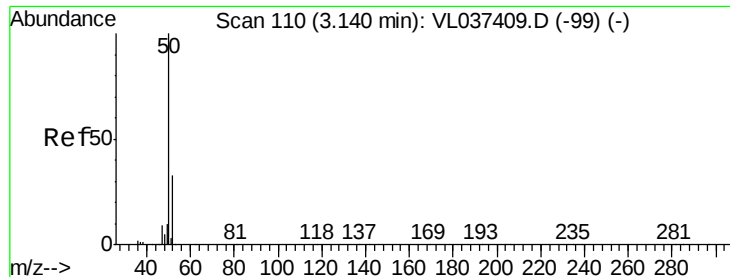
2000

0

2.90 3.00 3.10

Time-->





#4

Chloromethane

Concen: 0.035 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037439.D

Acq: 13 Aug 2021 8:10

Instrument :

MSVOA_L

ClientSampleId :

IA1REDL

Tot Ion: 50 Resp: 2556

Ion Ratio Lower Upper

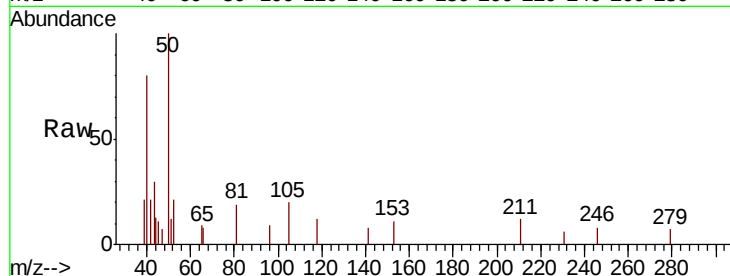
50 100

52 0.0 26.2 39.4#

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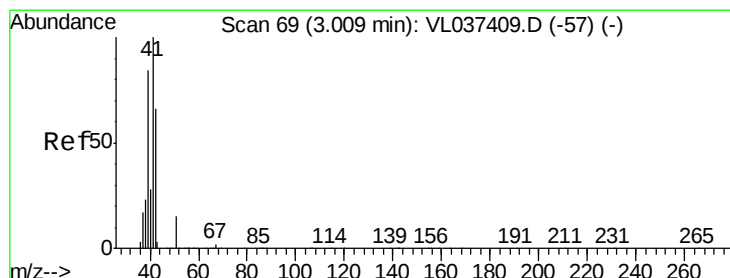
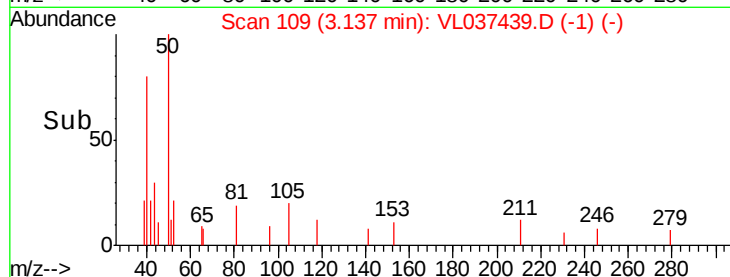
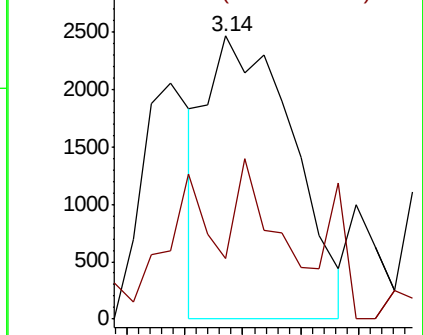
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Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.123 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037439.D

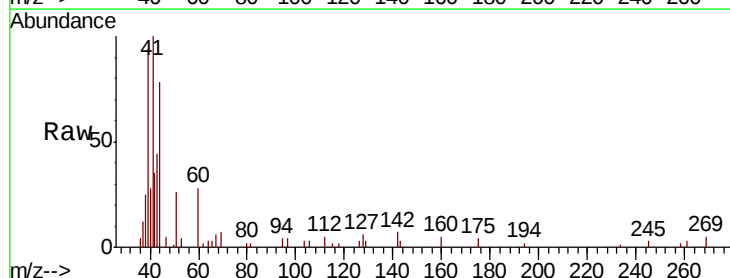
Acq: 13 Aug 2021 8:10

Tgt Ion: 41 Resp: 8503

Ion Ratio Lower Upper

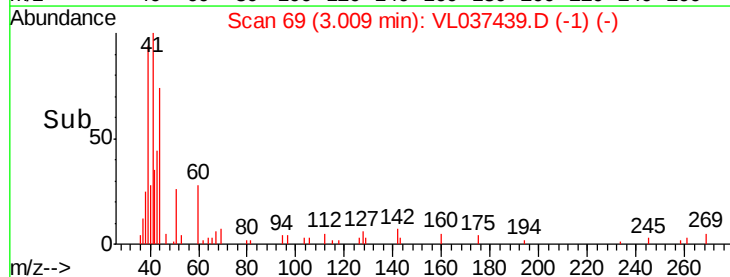
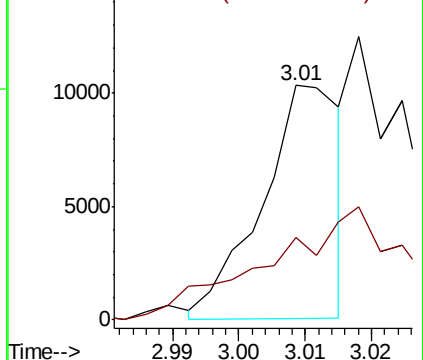
41 100

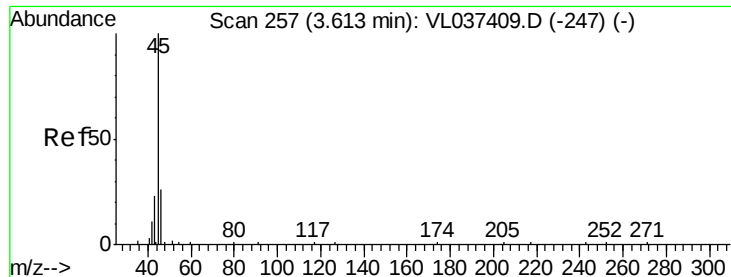
42 0.0 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





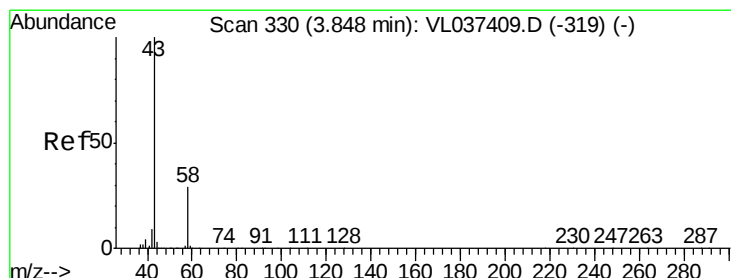
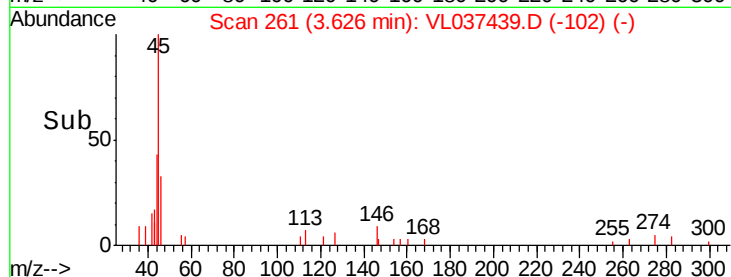
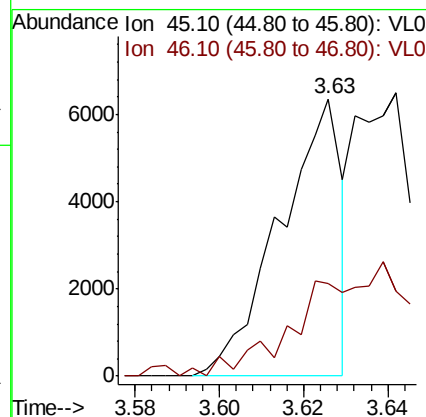
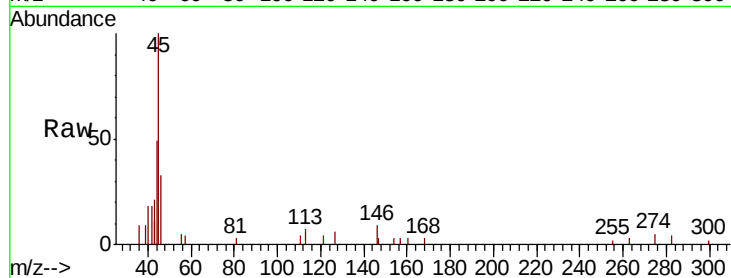
#13
Ethanol
Concen: 0.878 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.01 min
Lab File: VL037439.D
Acq: 13 Aug 2021 8:10

Instrument :
MSVOA_L
ClientSampleId :
IA1REDL

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	18.0	72.2#

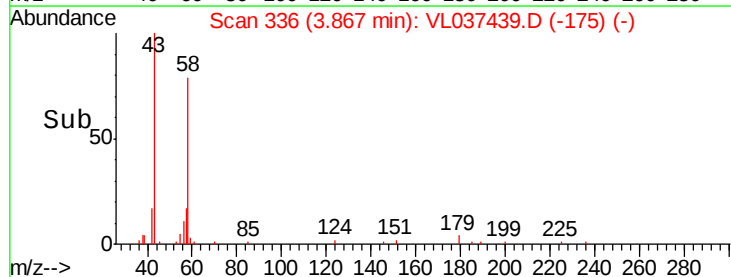
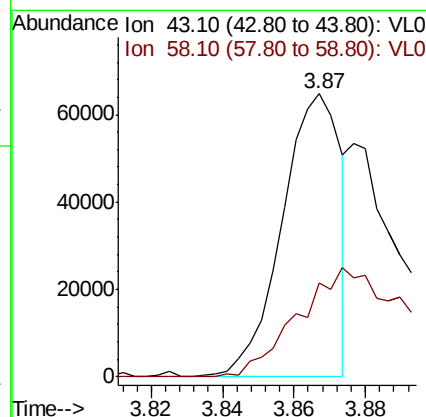
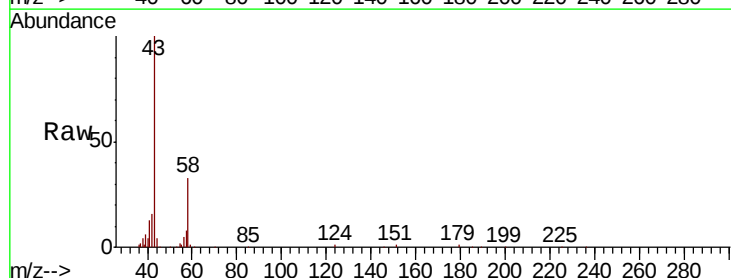
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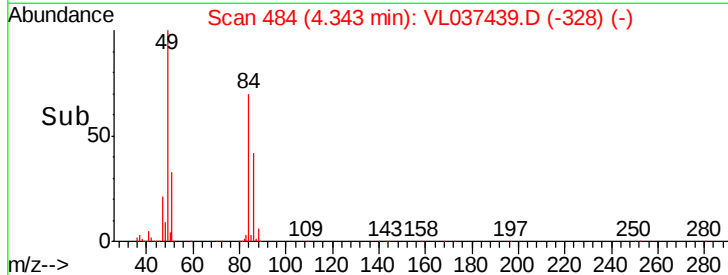
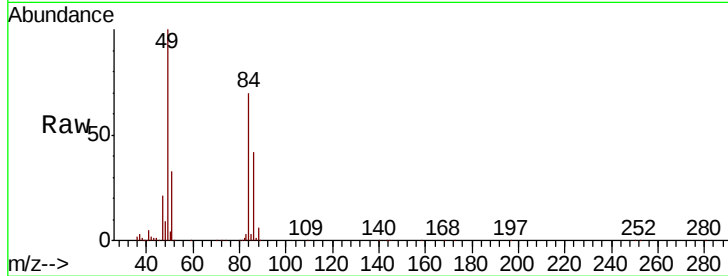
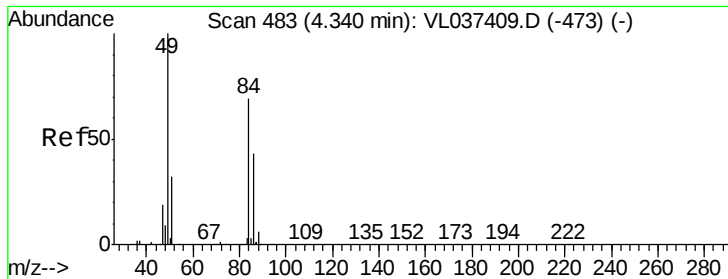
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#15
Acetone
Concen: 0.663 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL037439.D
Acq: 13 Aug 2021 8:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.4	36.6#





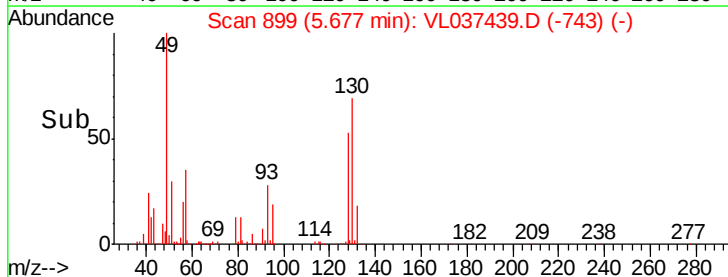
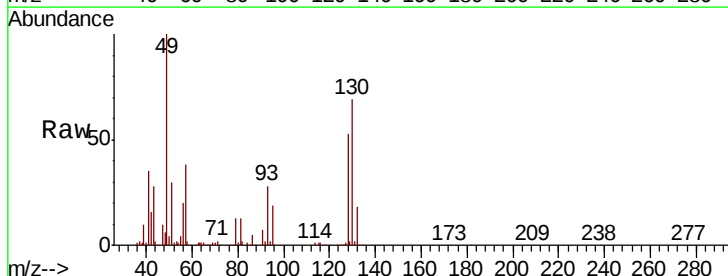
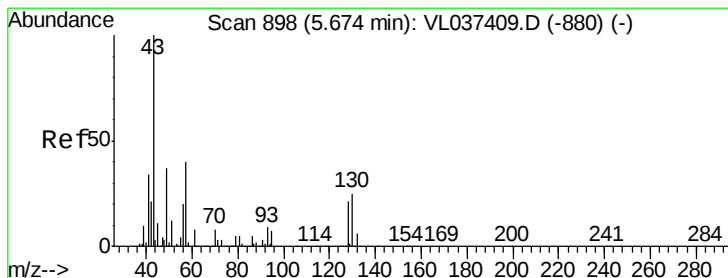
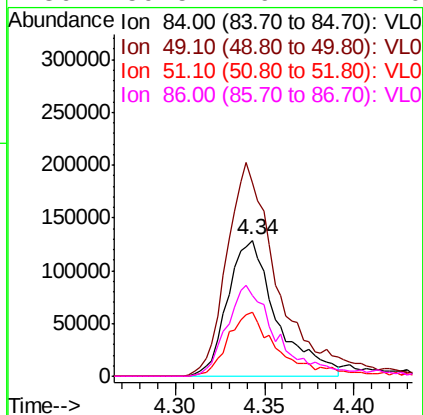
#20
Methvlene Chloride
Concen: 4.168 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037439.D
Acq: 13 Aug 2021 8:10

Tot Ion	84	Resp	244232
Ion Ratio	Lower	Upper	
84	100		
49	141.5	116.0	174.0
51	46.5	37.1	55.7
86	59.5	49.4	74.0

Instrument :
MSVOA_L
ClientSampleId :
IA1REDL

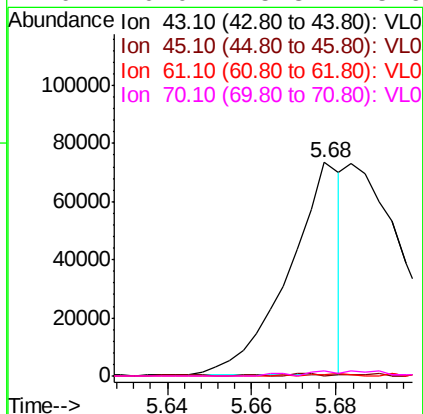
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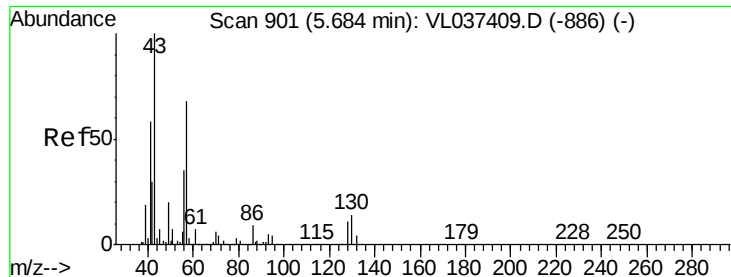
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#25
Ethyl Acetate
Concen: 0.239 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL037439.D
Acq: 13 Aug 2021 8:10

Tgt Ion	43	Resp	63232
Ion Ratio	Lower	Upper	
43	100		
45	0.5	7.9	11.9#
61	0.0	7.7	11.5#
70	0.0	5.8	8.6#





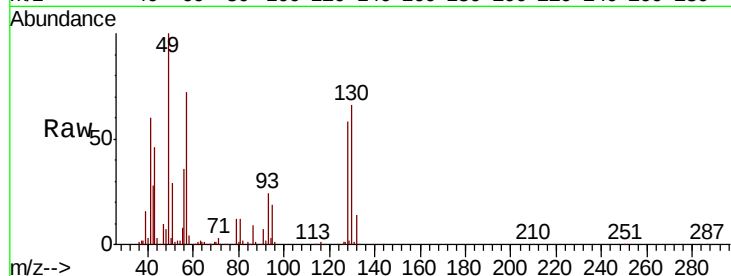
#26
Hexane
Concen: 1.627 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037439.D
Acq: 13 Aug 2021 8:10

Instrument :
MSVOA_L
ClientSampleId :
IA1REDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	92.8	72.5	108.7
43	70.2	169.3	253.9#
56	54.6	42.3	63.5

Manual Integrations
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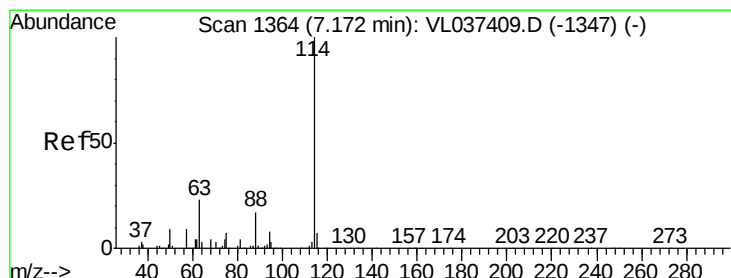
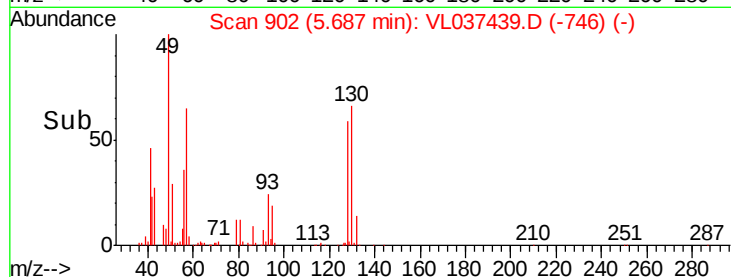
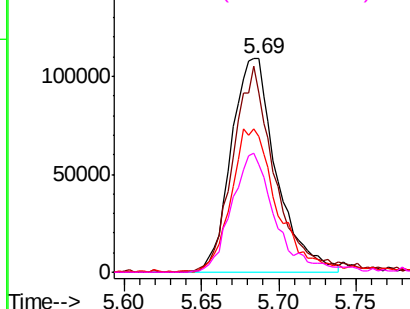
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

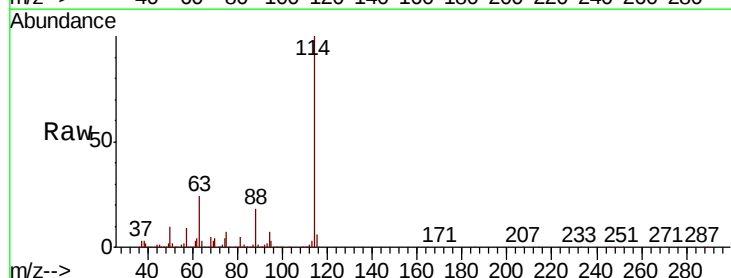
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VL037439.D
Acq: 13 Aug 2021 8:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.4	29.2
88	18.2	14.2	21.4

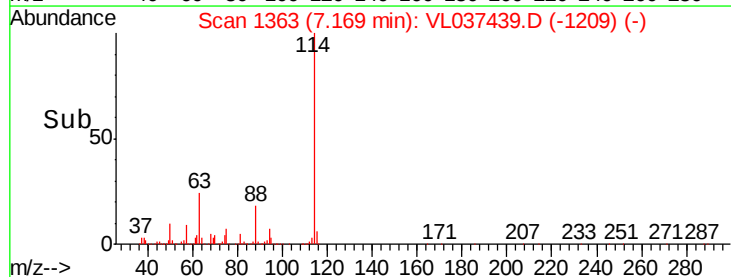
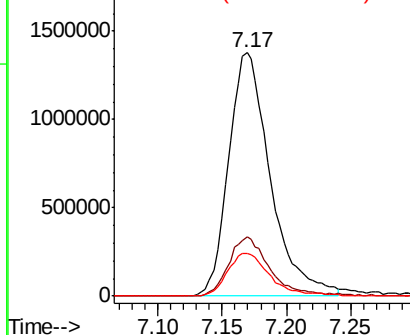


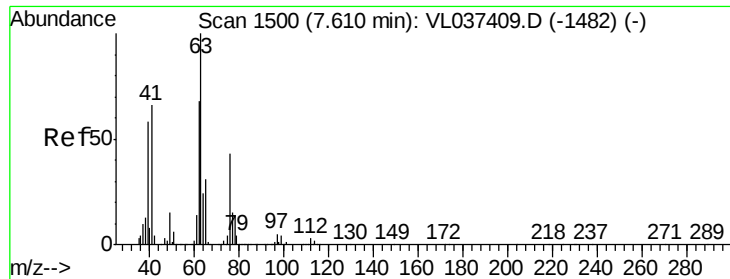
Abundance

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





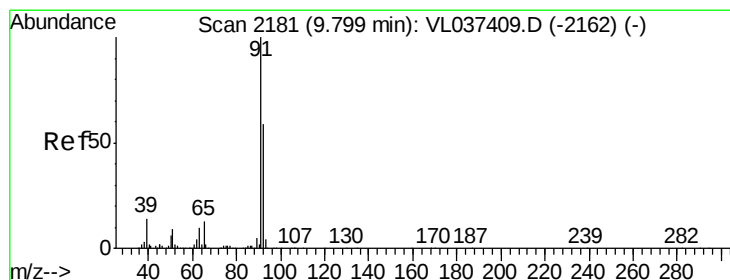
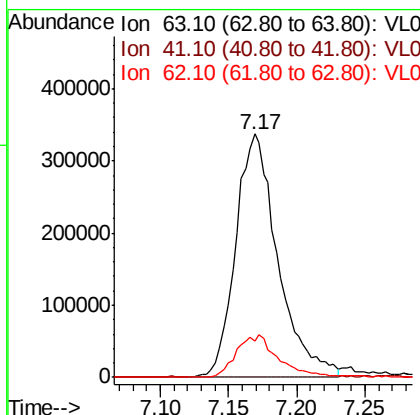
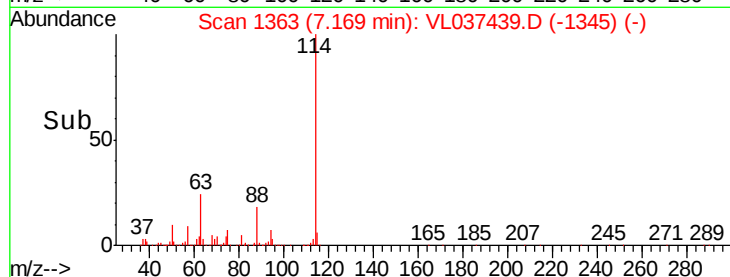
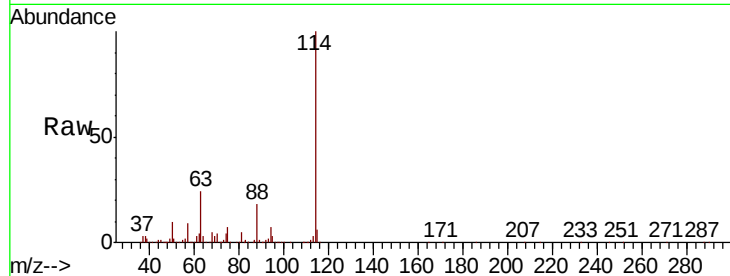
#39
 1,2-Dichloropropane
 Concen: 7.296 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.44 min
 Lab File: VL037439.D
 Acq: 13 Aug 2021 8:10

Instrument :
 MSVOA_L
 ClientSampled :
 IA1REDL

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	14.9	54.5	81.7#

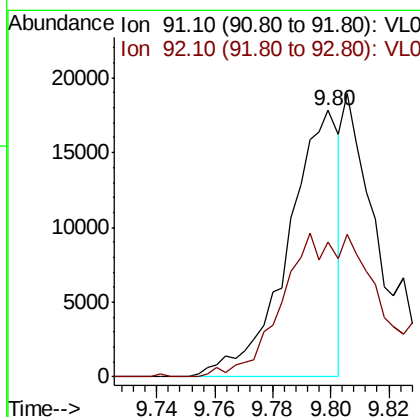
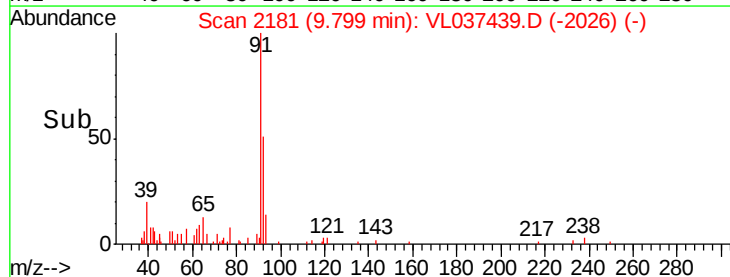
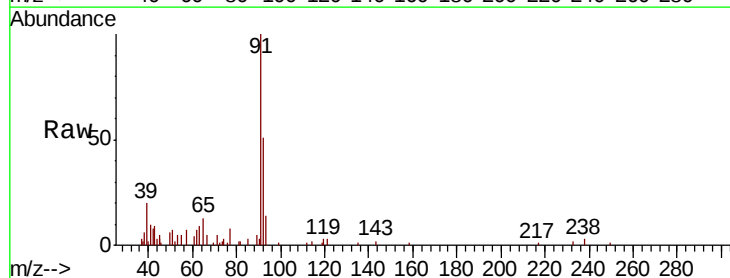
Manual Integrations
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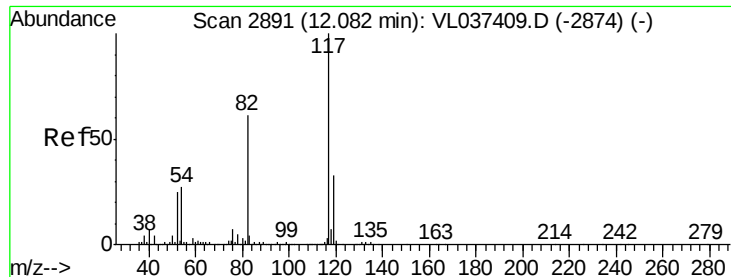
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#53
 Toluene
 Concen: 0.074 ppbv
 RT: 9.80 min Scan# 2181
 Delta R.T. -0.00 min
 Lab File: VL037439.D
 Acq: 13 Aug 2021 8:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	112.6	49.0	73.6#





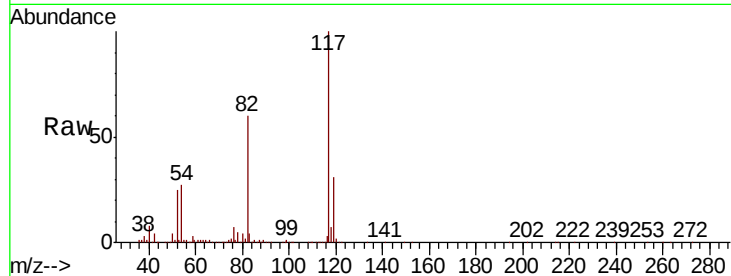
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL037439.D
Acq: 13 Aug 2021 8:10

Instrument :
MSVOA_L
ClientSampleId :
IA1REDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.3	53.1	79.7
119	34.6	28.0	42.0

Manual Integrations
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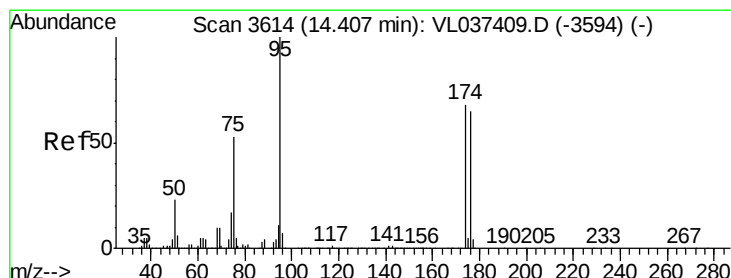
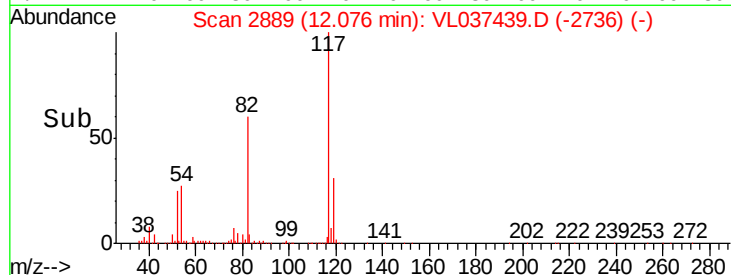
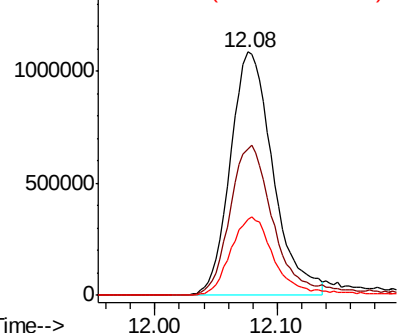


Abundance

Ion 117.10 (116.80 to 117.80): V

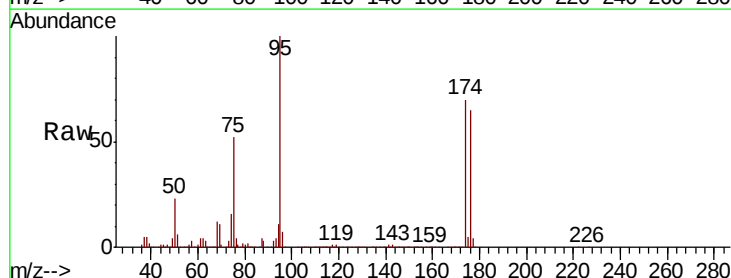
Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.442 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.00 min
Lab File: VL037439.D
Acq: 13 Aug 2021 8:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	59.6	89.4
175	5.5	4.3	6.5



Abundance

Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

