

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037427.D
 Acq On : 13 Aug 2021 00:01
 Operator : SY/AP
 Sample : M3157-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 13 01:46:53 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 01:37:35 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	1275135	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3753652	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3216268	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2186154	9.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.80%

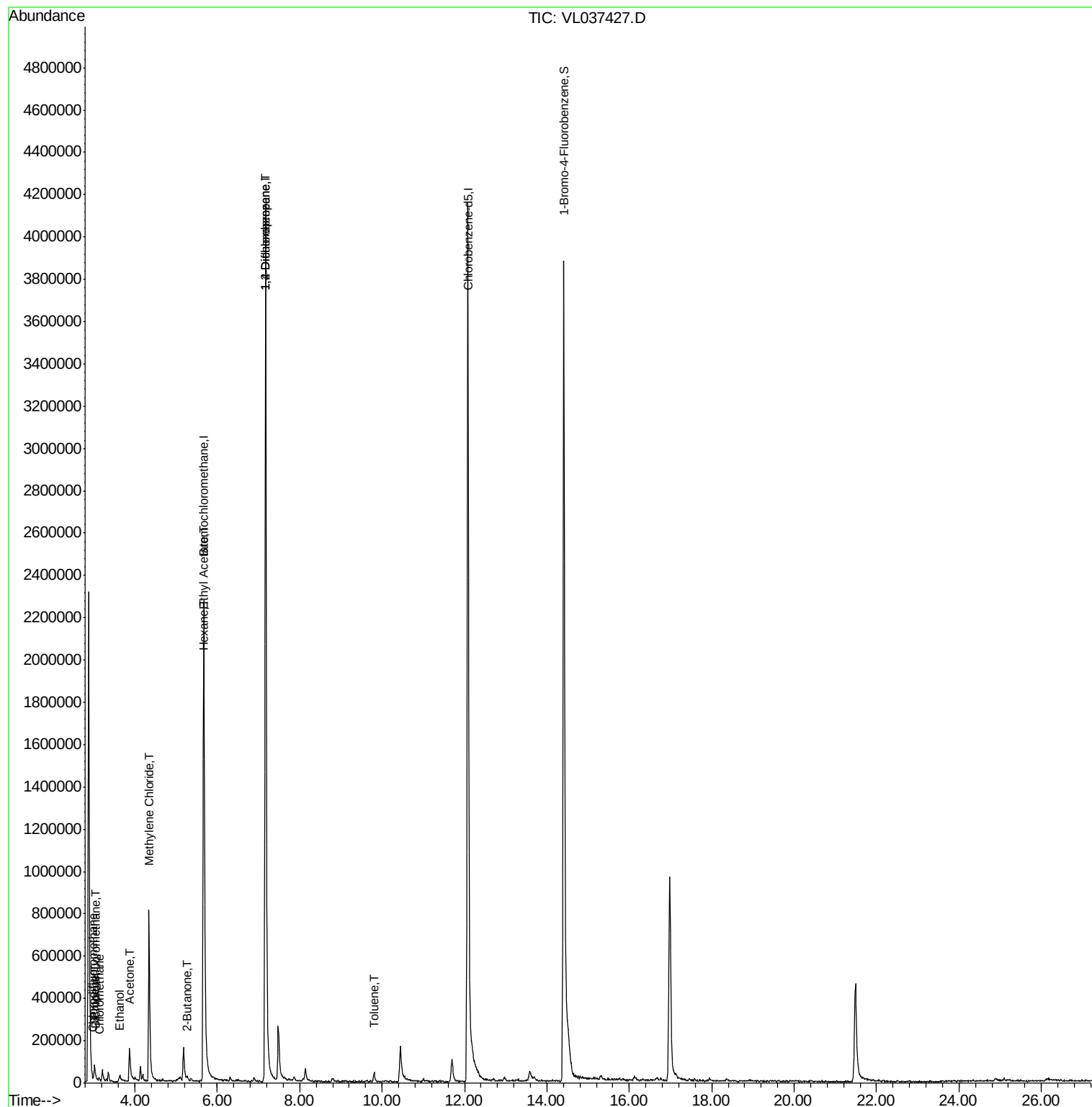
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	7590	0.039	ppbv	89
3) Chlorodifluoromethane	2.99	51	12856	0.051	ppbv #	88
4) Chloromethane	3.14	50	3804	0.042	ppbv #	48
9) Propene	3.01	41	6112	0.073	ppbv #	16
13) Ethanol	3.63	45	1982	0.221	ppbv #	1
15) Acetone	3.86	43	163565	1.210	ppbv #	69
20) Methylene Chloride	4.34	84	351012	4.909	ppbv	87
25) Ethyl Acetate	5.68	43	198841	0.617	ppbv #	85
26) Hexane	5.69	57	226315	1.361	ppbv #	54
34) 2-Butanone	5.27	43	13271	0.086	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	879229	7.292	ppbv #	25
53) Toluene	9.81	91	32011	0.089	ppbv	99

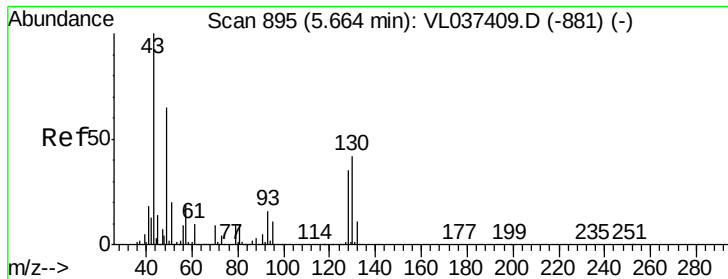
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081221\
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Misc : 400mL/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 13 01:46:53 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL037427.D

Acq: 13 Aug 2021 00:01

Instrument :

MSVOA_L

ClientSampleId :

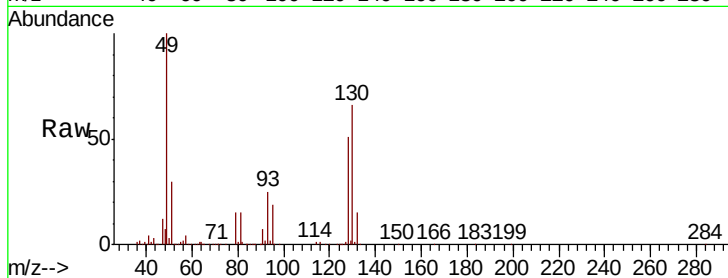
Tot Ion: 49 Resp: 1275135

Ion Ratio Lower Upper

49 100

128 55.2 27.9 83.6

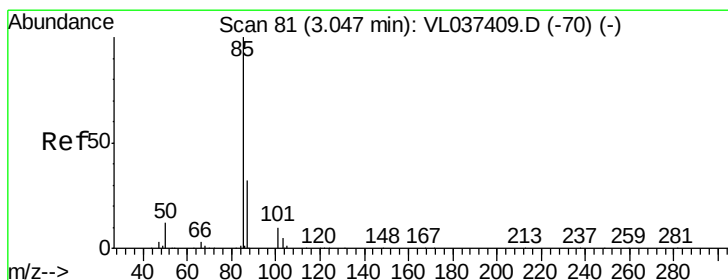
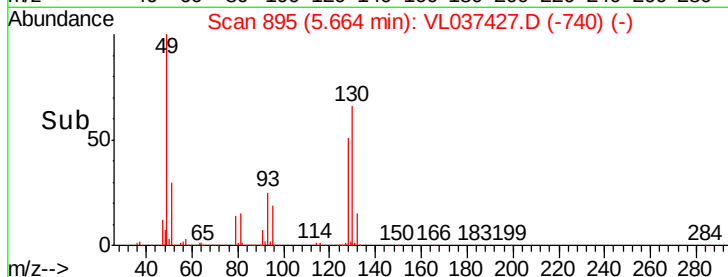
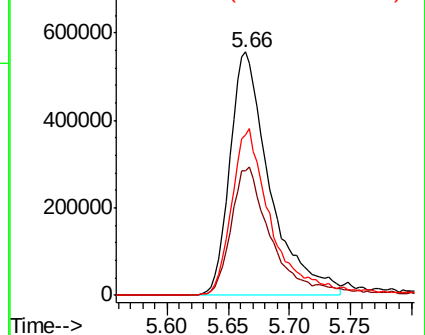
130 69.8 34.6 103.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.039 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037427.D

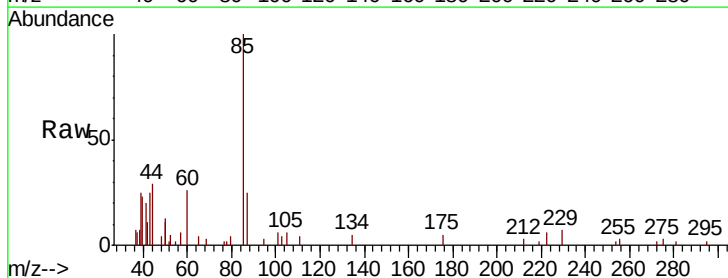
Acq: 13 Aug 2021 00:01

Tgt Ion: 85 Resp: 7590

Ion Ratio Lower Upper

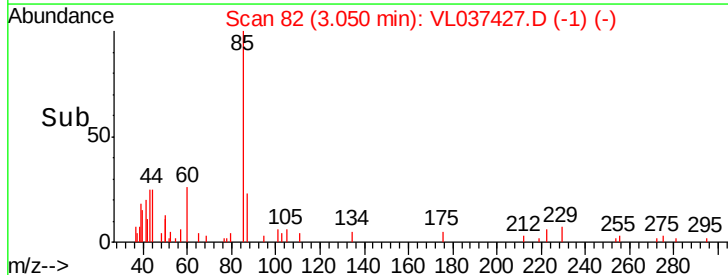
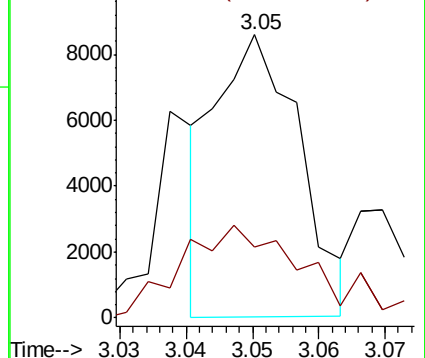
85 100

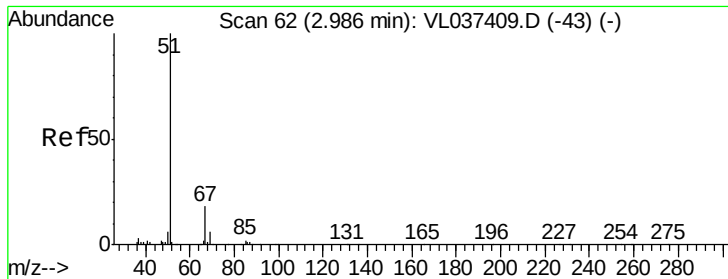
87 26.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.051 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL037427.D

Acq: 13 Aug 2021 00:01

Instrument :

MSVOA_L

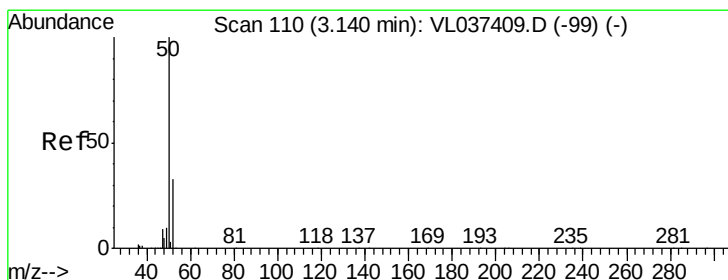
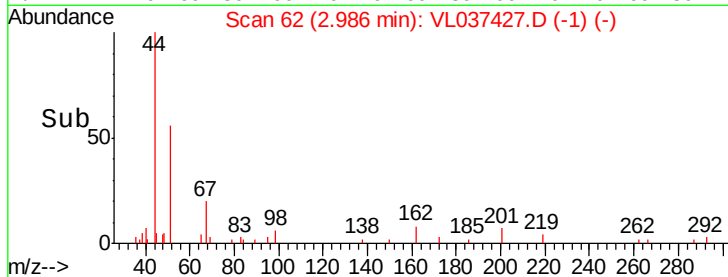
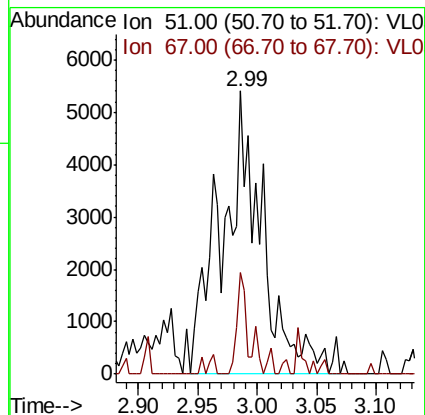
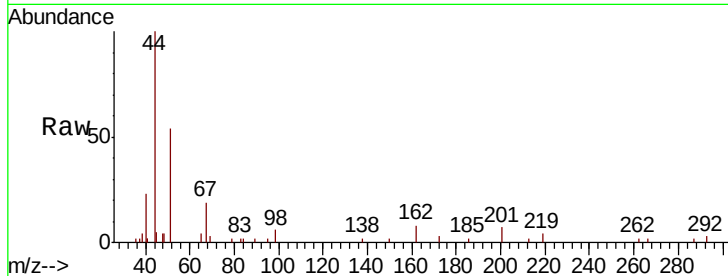
ClientSampled :

Tot Ion: 51 Resp: 12856

Ion Ratio Lower Upper

51 100

67 13.1 14.7 22.1#



#4

Chloromethane

Concen: 0.042 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037427.D

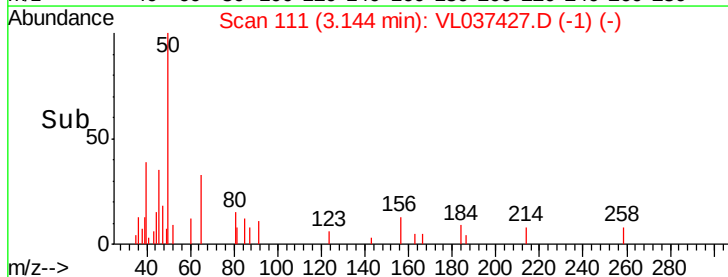
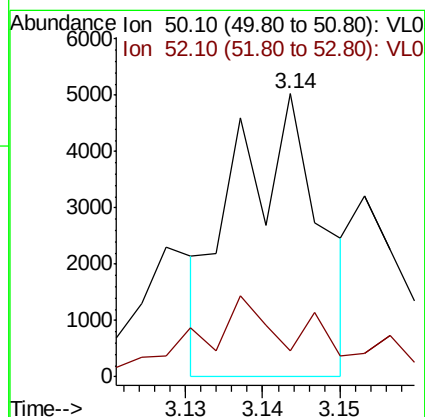
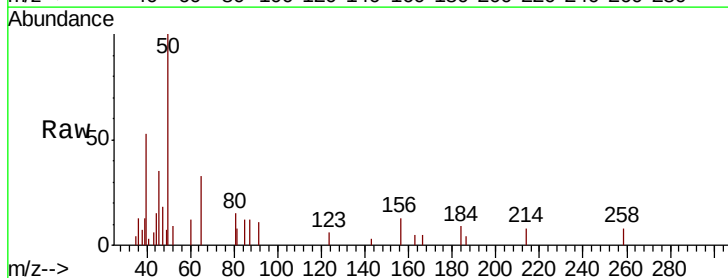
Acq: 13 Aug 2021 00:01

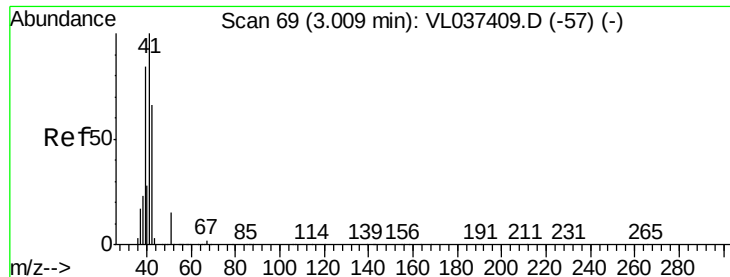
Tgt Ion: 50 Resp: 3804

Ion Ratio Lower Upper

50 100

52 3.7 26.2 39.4#





#9

Propene

Concen: 0.073 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037427.D

Acq: 13 Aug 2021 00:01

Instrument :

MSVOA_L

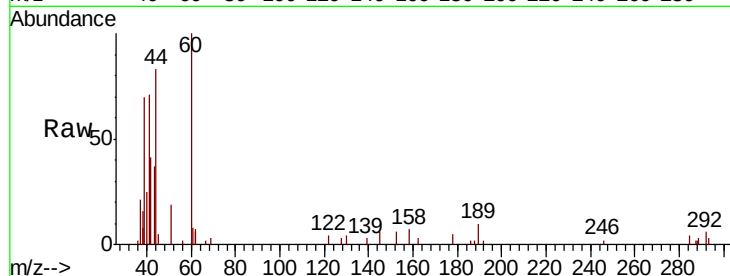
ClientSampleId :

Tot Ion: 41 Resp: 6112

Ion Ratio Lower Upper

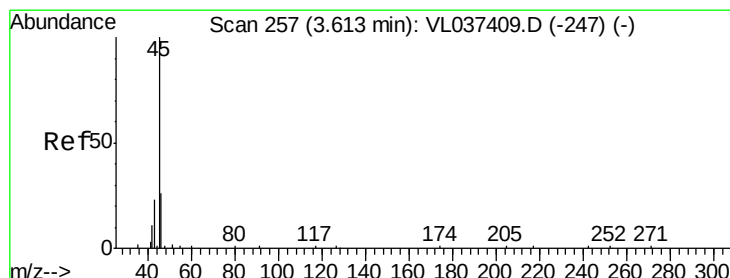
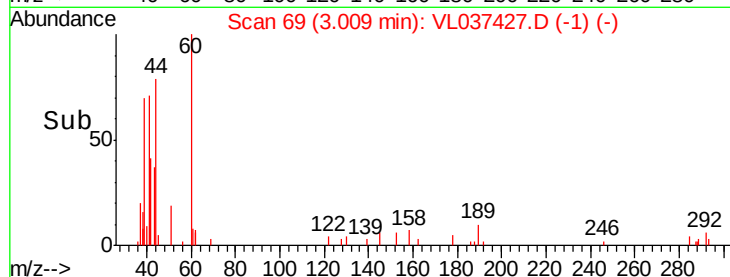
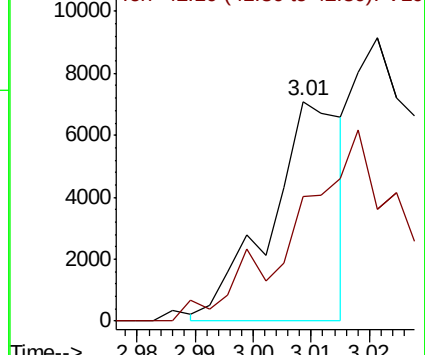
41 100

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: 0.221 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.02 min

Lab File: VL037427.D

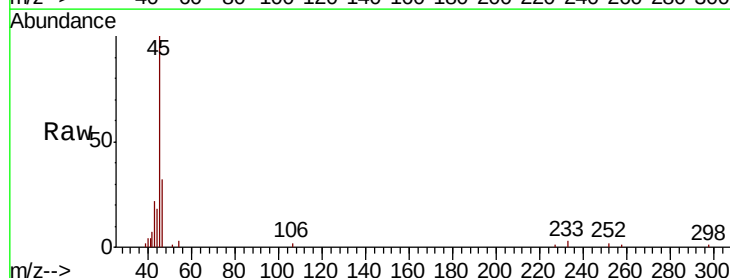
Acq: 13 Aug 2021 00:01

Tgt Ion: 45 Resp: 1982

Ion Ratio Lower Upper

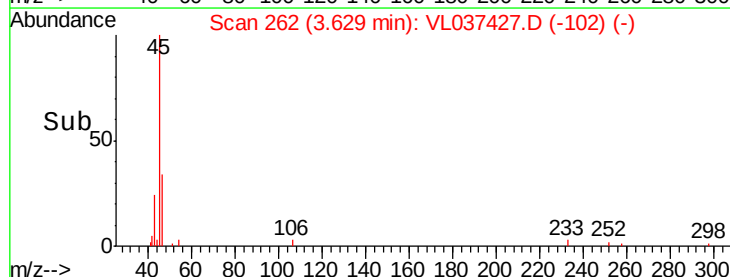
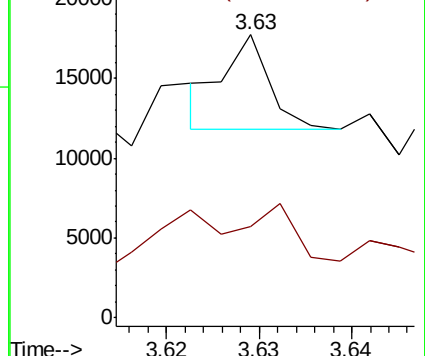
45 100

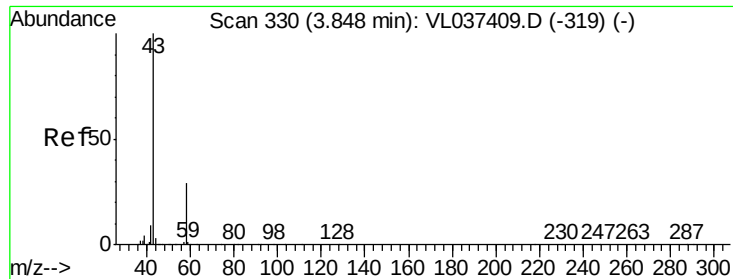
46 1121.7 18.0 72.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.210 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.02 min

Lab File: VL037427.D

Acq: 13 Aug 2021 00:01

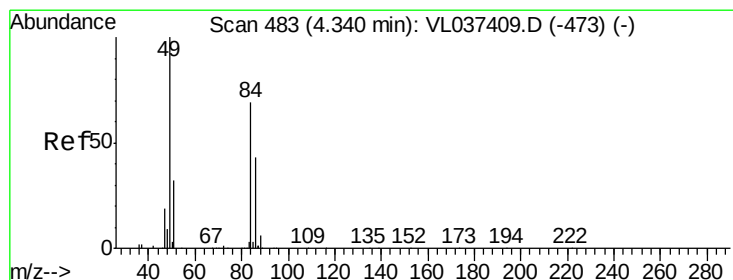
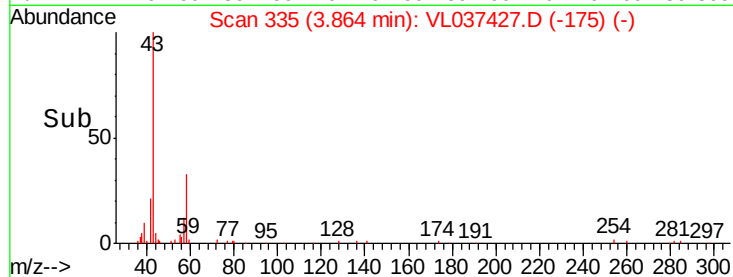
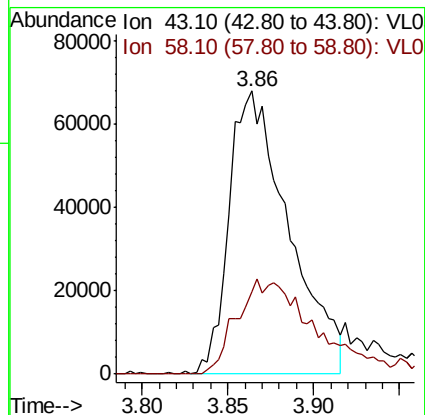
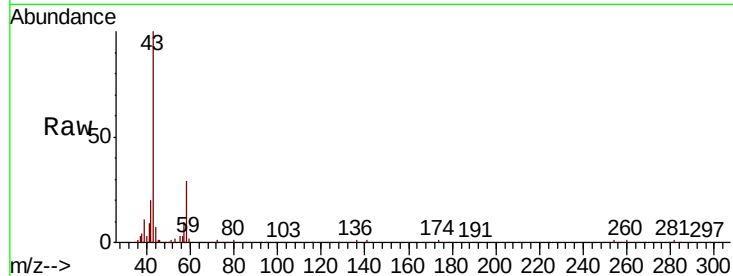
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 163565

Ion Ratio Lower Upper

43 100

58 47.3 24.4 36.6#



#20

Methylene Chloride

Concen: 4.909 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL037427.D

Acq: 13 Aug 2021 00:01

Tgt Ion: 84 Resp: 351012

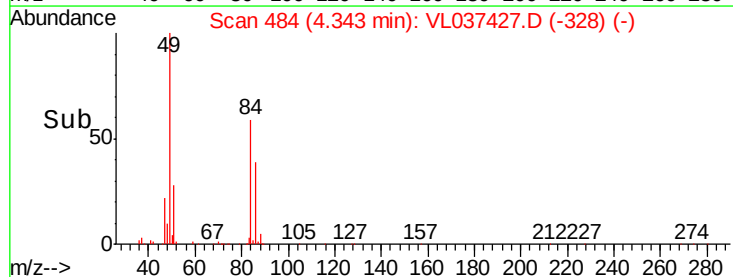
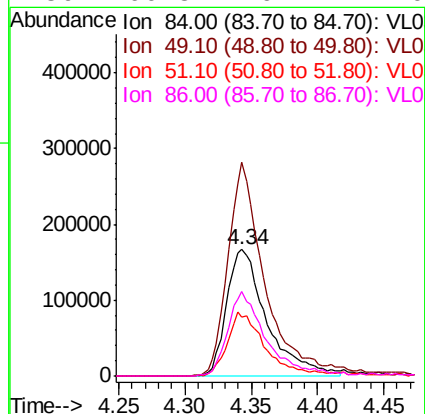
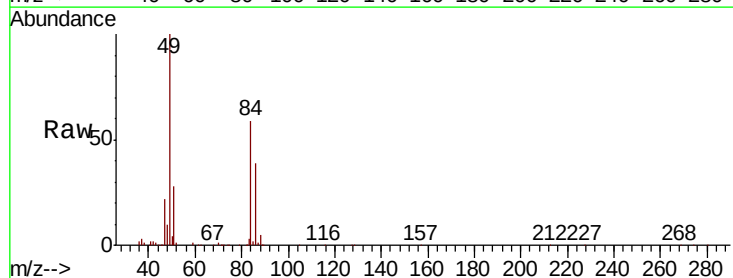
Ion Ratio Lower Upper

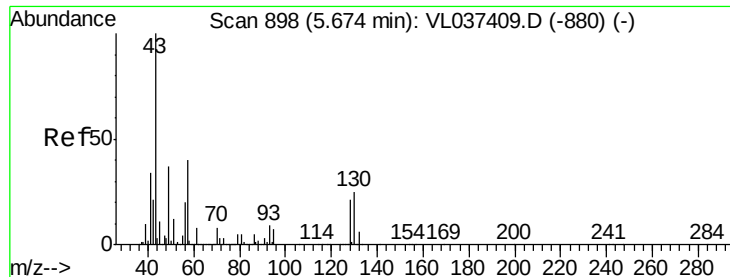
84 100

49 169.2 116.0 174.0

51 46.8 37.1 55.7

86 66.8 49.4 74.0





#25

Ethyl Acetate

Concen: 0.617 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL037427.D

Acq: 13 Aug 2021 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 198841

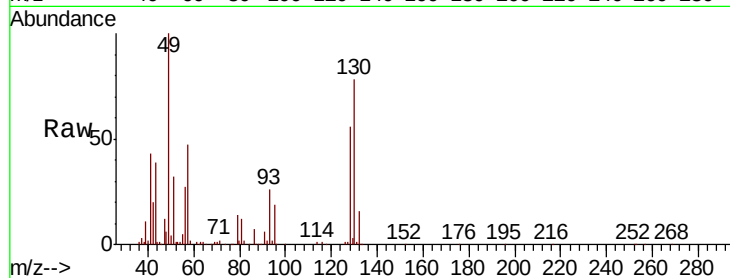
Ion Ratio Lower Upper

43 100

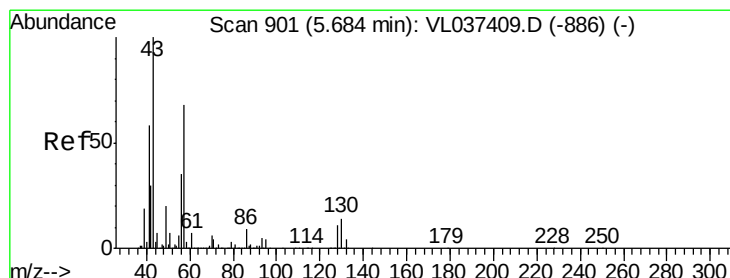
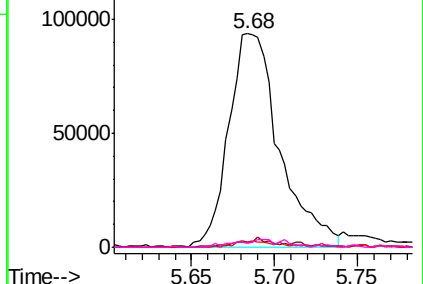
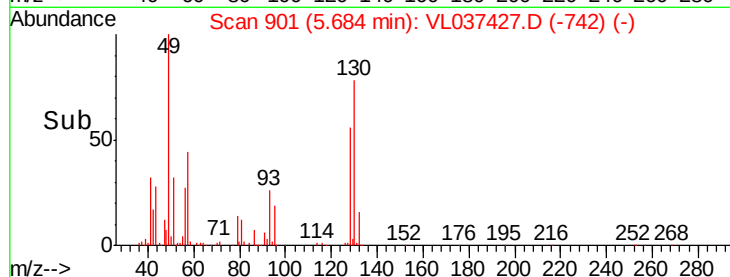
45 3.9 7.9 11.9#

61 2.9 7.7 11.5#

70 3.5 5.8 8.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.361 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL037427.D

Acq: 13 Aug 2021 00:01

Tgt Ion: 57 Resp: 226315

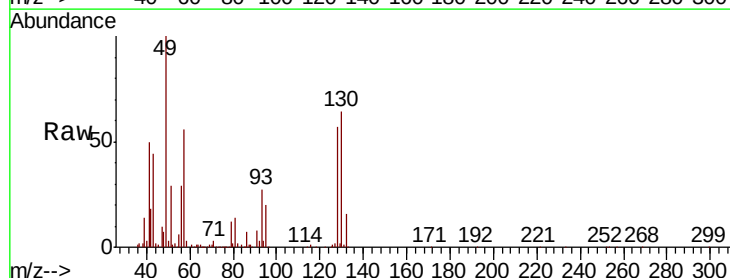
Ion Ratio Lower Upper

57 100

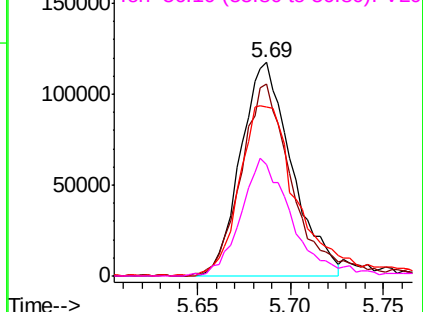
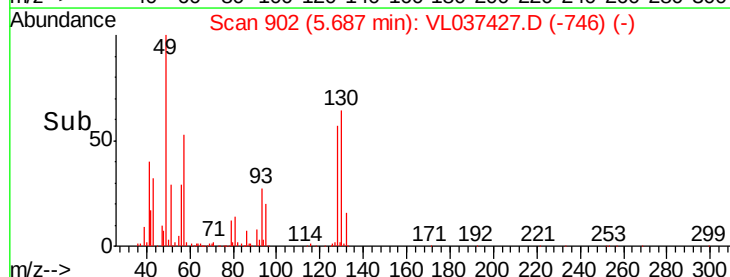
41 93.0 72.5 108.7

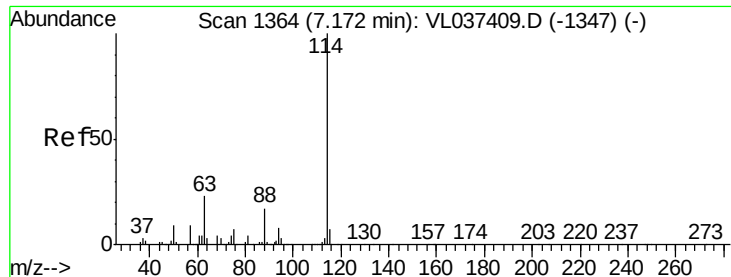
43 93.5 169.3 253.9#

56 55.4 42.3 63.5



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

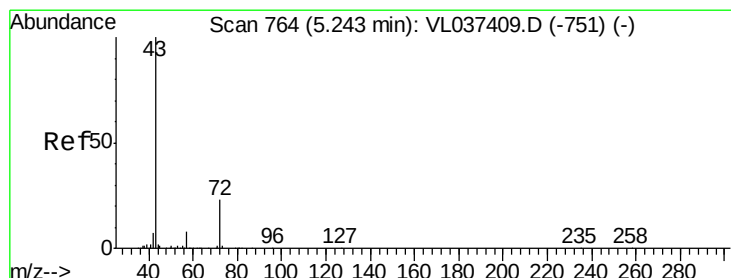
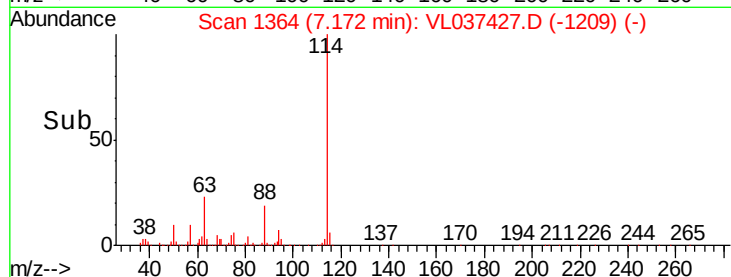
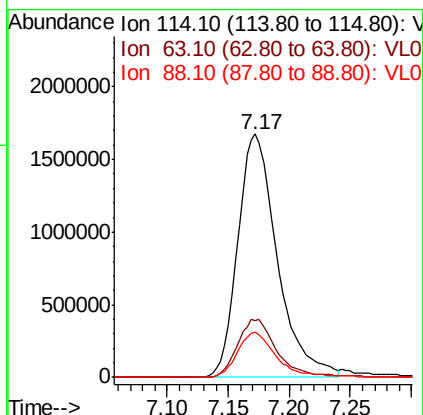
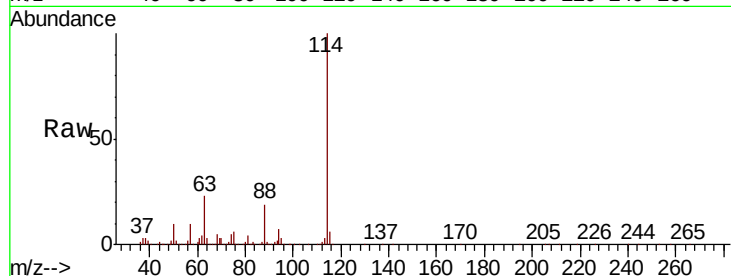




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL037427.D
 Acq: 13 Aug 2021 00:01

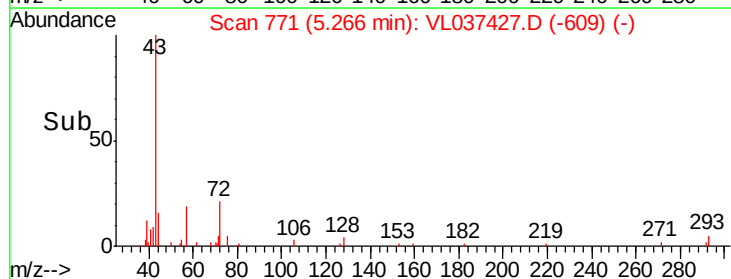
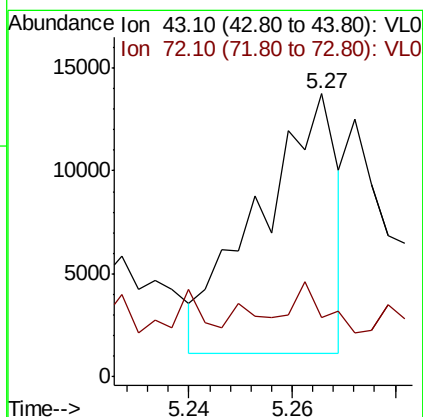
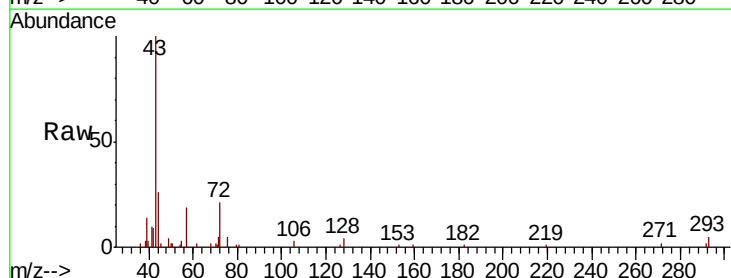
Instrument :
 MSVOA_L
 ClientSampleId :

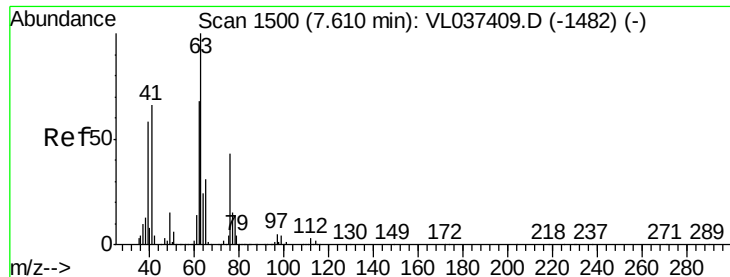
Tot Ion:114 Resp: 3753652
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.4 29.2
 88 18.5 14.2 21.4



#34
 2-Butanone
 Concen: 0.086 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.02 min
 Lab File: VL037427.D
 Acq: 13 Aug 2021 00:01

Tgt Ion: 43 Resp: 13271
 Ion Ratio Lower Upper
 43 100
 72 71.6 17.7 26.5#





#39

1,2-Dichloropropane

Concen: 7.292 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.43 min

Lab File: VL037427.D

Acq: 13 Aug 2021 00:01

Instrument :

MSVOA_L

ClientSampleId :

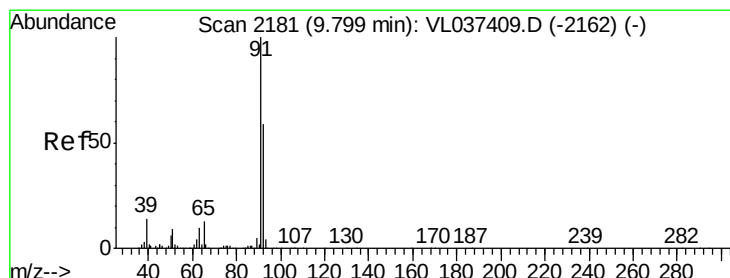
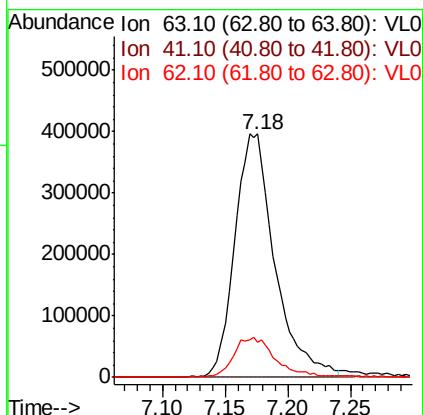
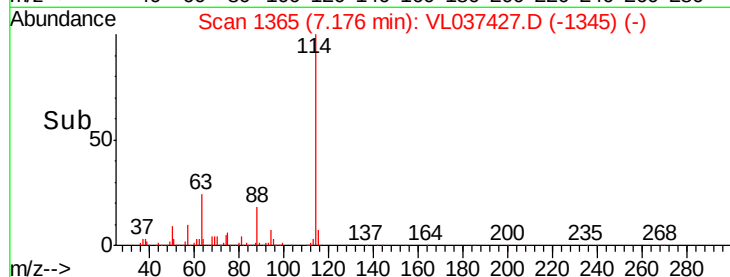
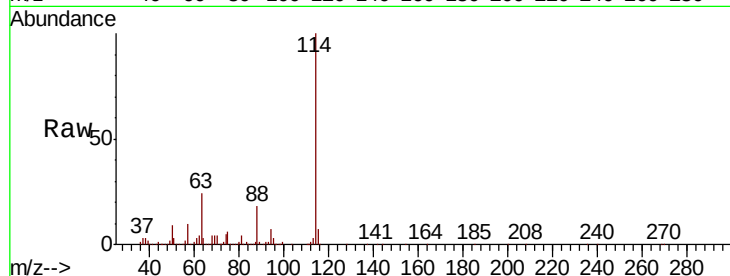
Tot Ion: 63 Resp: 879229

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

62 14.4 54.5 81.7#



#53

Toluene

Concen: 0.089 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL037427.D

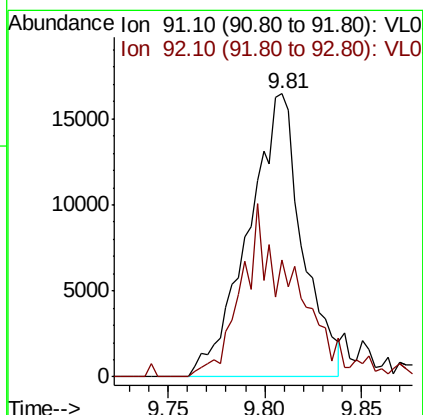
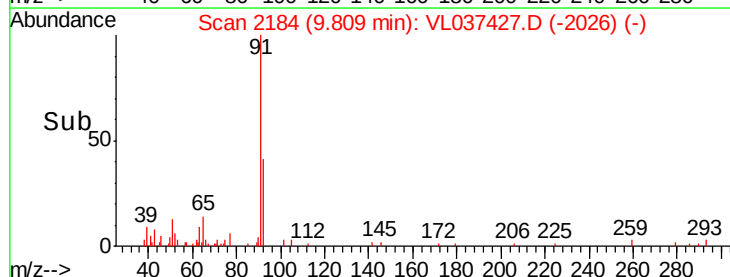
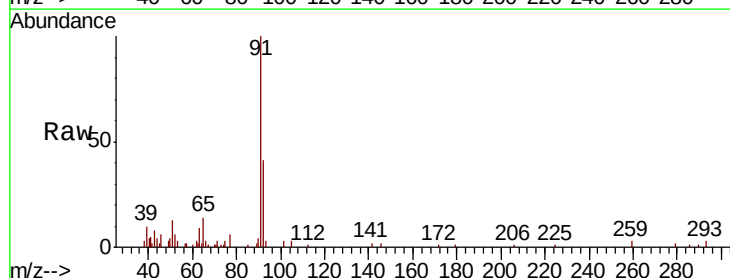
Acq: 13 Aug 2021 00:01

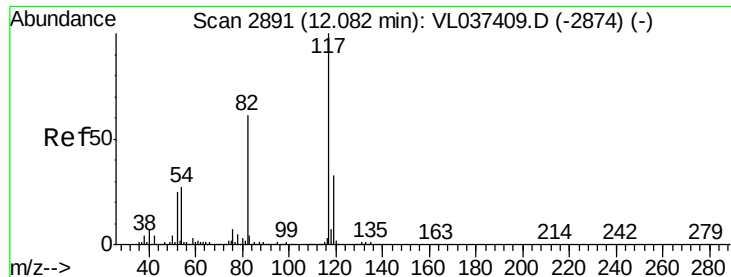
Tgt Ion: 91 Resp: 32011

Ion Ratio Lower Upper

91 100

92 61.8 49.0 73.6

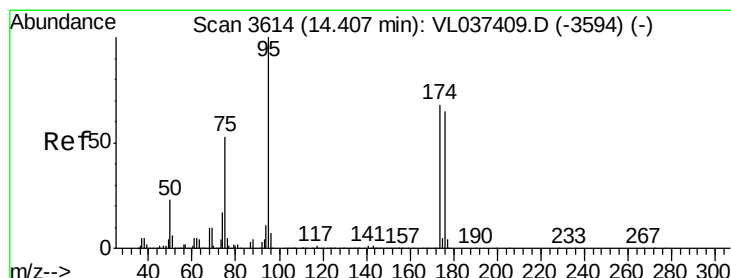
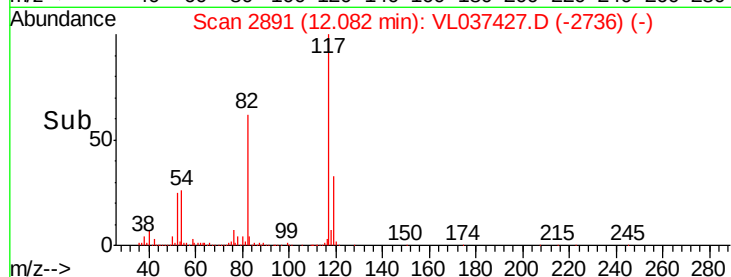
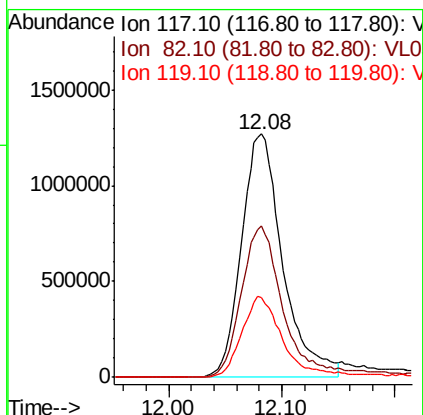
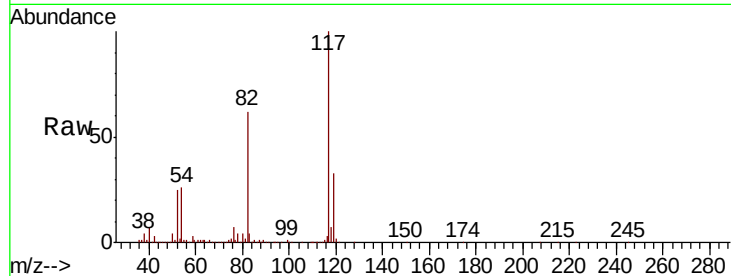




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL037427.D
Acq: 13 Aug 2021 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3216268
Ion Ratio Lower Upper
117 100
82 66.5 53.1 79.7
119 33.4 28.0 42.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.475 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. 0.00 min
Lab File: VL037427.D
Acq: 13 Aug 2021 00:01

Tgt Ion: 95 Resp: 2186154
Ion Ratio Lower Upper
95 100
174 80.7 59.6 89.4
175 5.5 4.3 6.5

