

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092821\
 Data File : VL037708.D
 Acq On : 28 Sep 2021 18:46
 Operator : SY/AP
 Sample : M3948-01DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 29 03:41:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1289401	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4018528	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3418666	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2443197	9.89	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

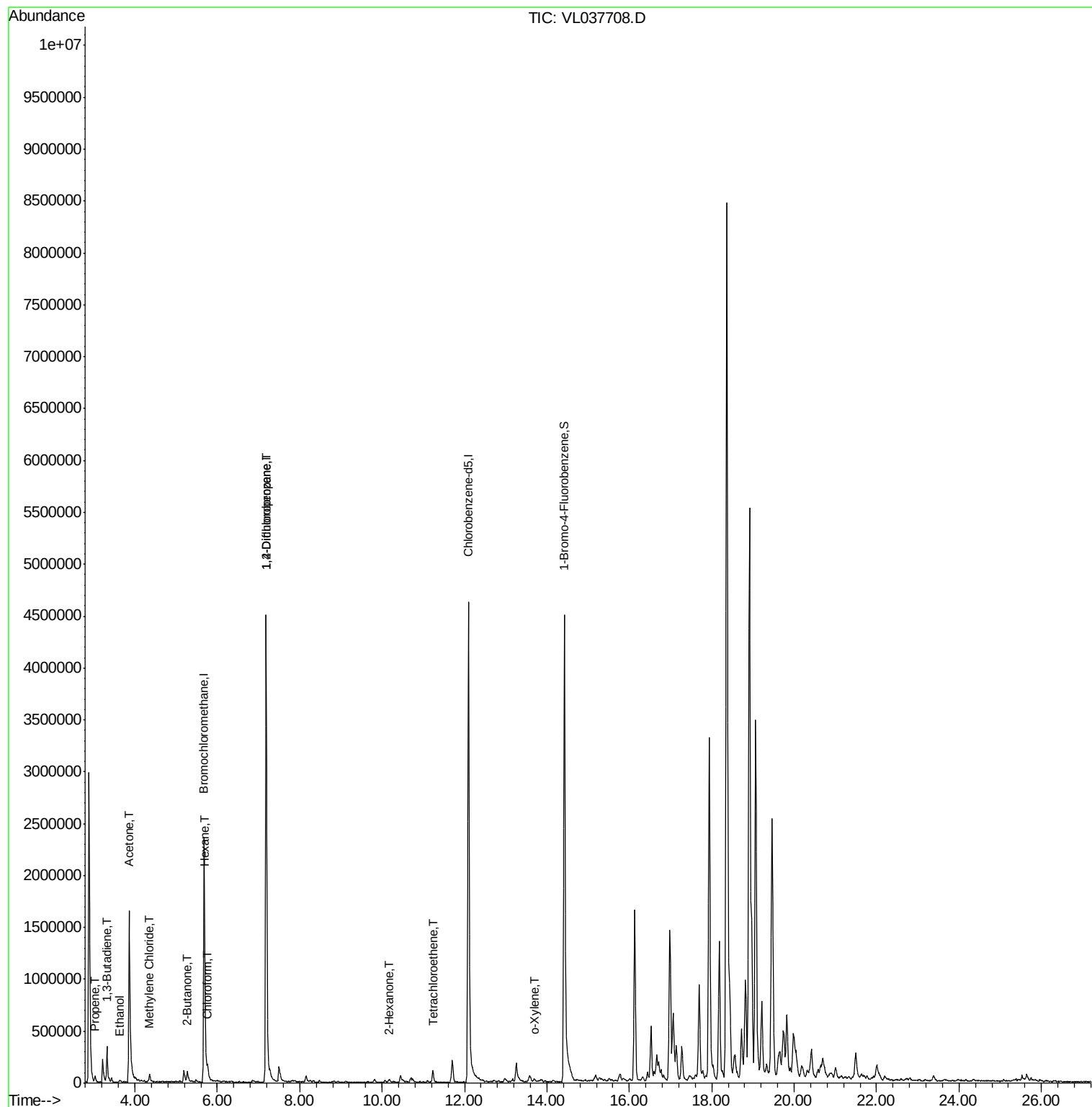
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	13644	0.159	ppbv #	64
13) Ethanol	3.62	45	5118	0.610	ppbv #	33
15) Acetone	3.86	43	2446770	18.264	ppbv	100
16) 1,3-Butadiene	3.32	39	91615	1.094	ppbv #	18
20) Methylene Chloride	4.36	84	16668	0.261	ppbv #	87
26) Hexane	5.70	57	5036	0.033	ppbv #	1
29) Chloroform	5.76	83	40965	0.182	ppbv	99
34) 2-Butanone	5.27	43	57103	0.350	ppbv #	53
39) 1,2-Dichloropropane	7.19	63	921897	7.183	ppbv #	28
51) 2-Hexanone	10.17	43	11824	0.129	ppbv #	23
52) Tetrachloroethene	11.23	164	19811	0.154	ppbv #	79
60) o-Xylene	13.71	91	12567	0.033	ppbv #	30

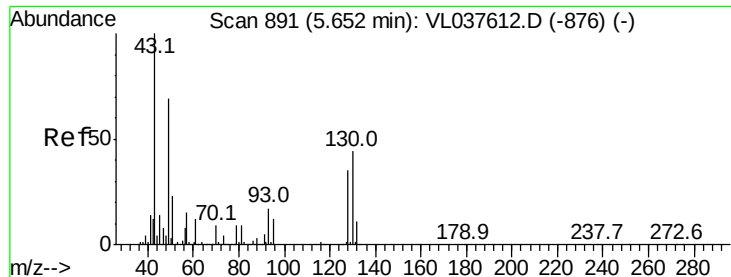
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 18:48

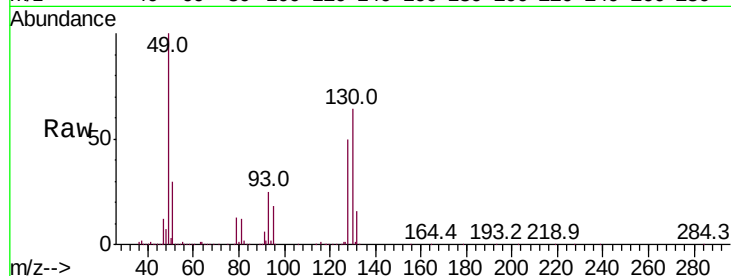
Tot Ion: 49 Resp: 1289401

Ion Ratio Lower Upper

49 100

128 56.9 27.9 83.6

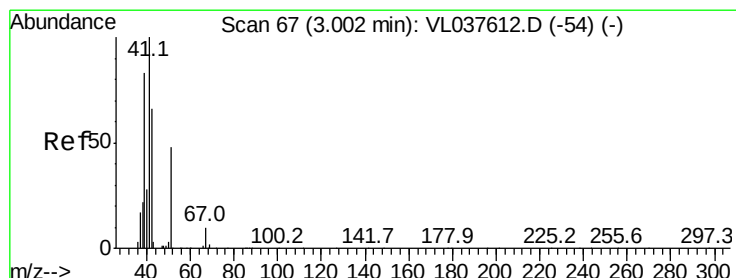
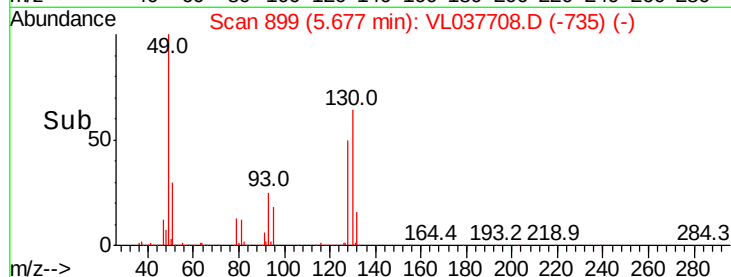
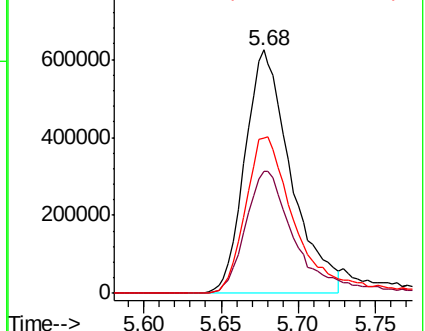
130 72.3 33.9 101.7



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



#9

Propene

Concen: 0.159 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.03 min

Lab File: VL037708.D

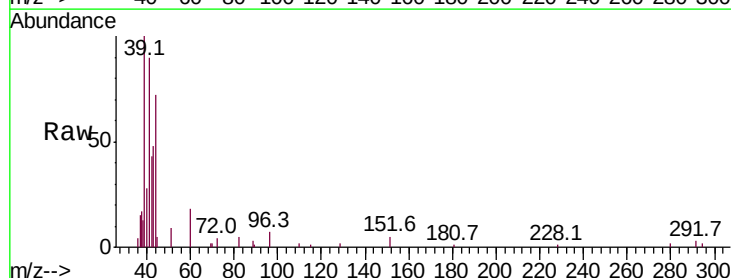
Acq: 28 Sep 2021 18:46

Tgt Ion: 41 Resp: 13644

Ion Ratio Lower Upper

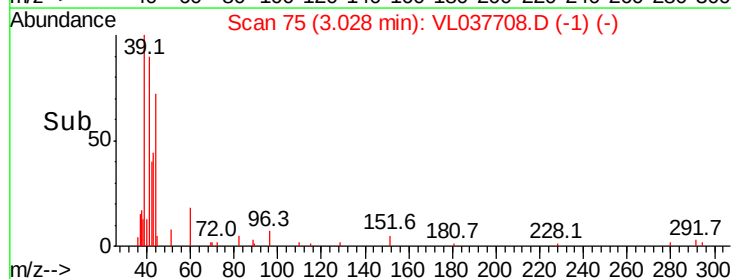
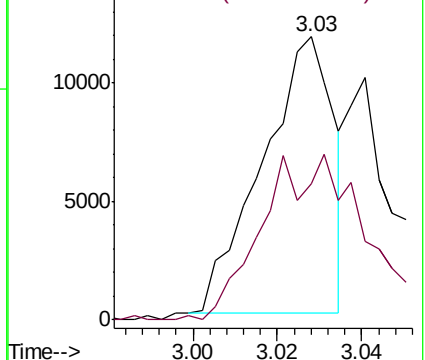
41 100

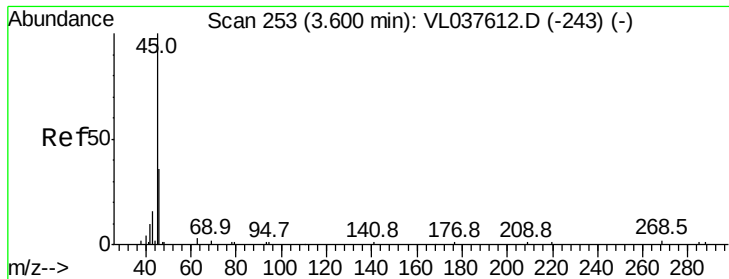
42 101.4 57.2 85.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

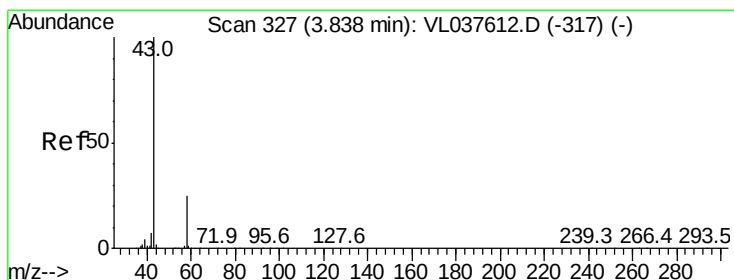
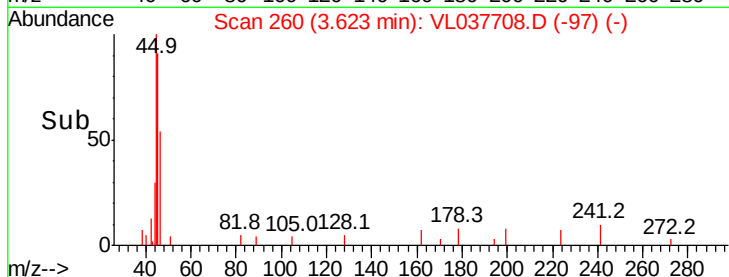
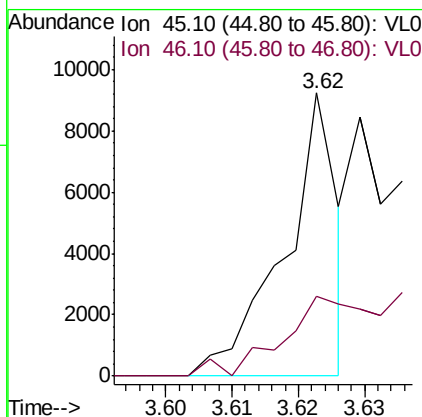
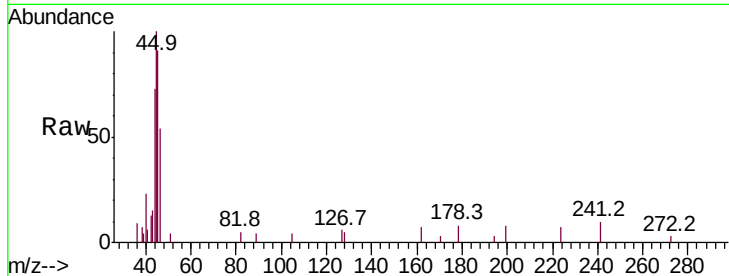
Ion 42.10 (41.80 to 42.80): VL0





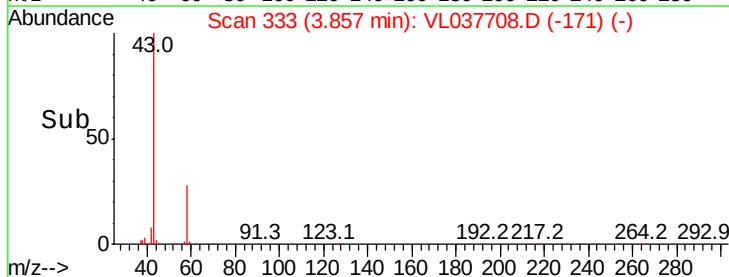
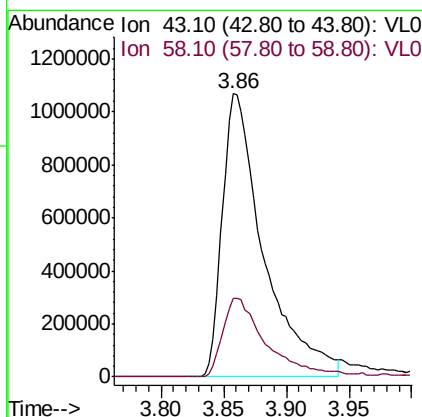
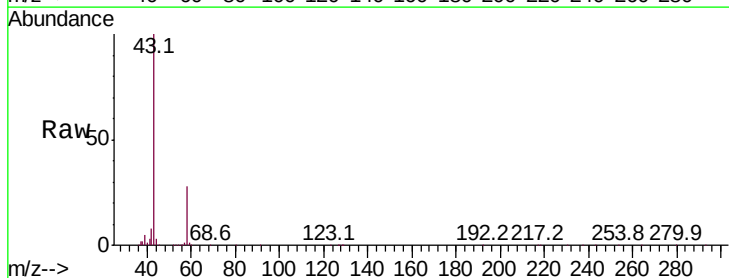
#13
 Ethanol
 Concen: 0.610 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 28 Sep 2021 18:46

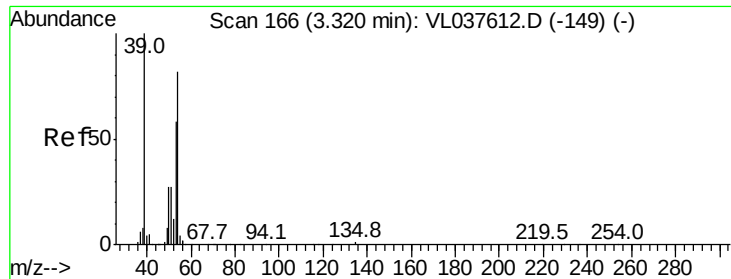
Tot Ion: 45 Resp: 5118
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.2 68.8#



#15
 Acetone
 Concen: 18.264 ppbv
 RT: 3.86 min Scan# 333
 Delta R.T. 0.02 min
 Lab File: VL037708.D
 Acq: 28 Sep 2021 18:46

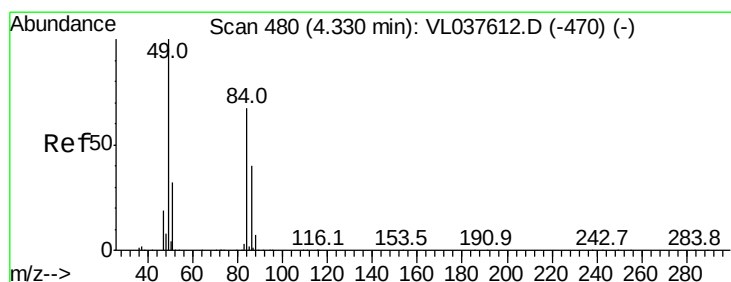
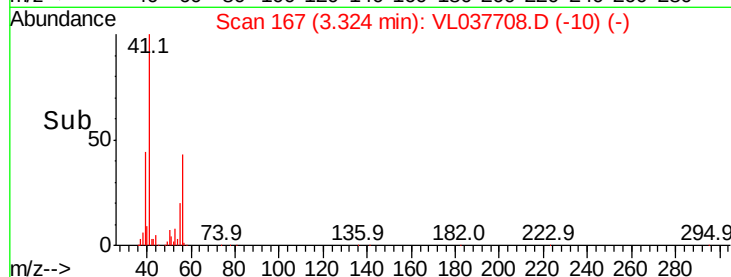
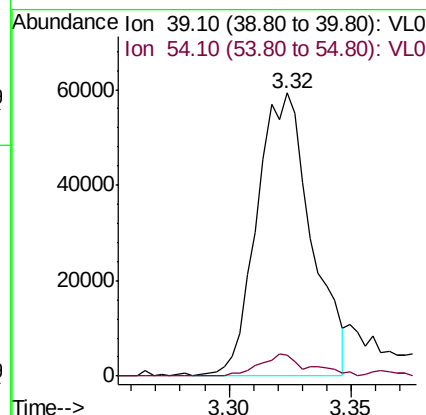
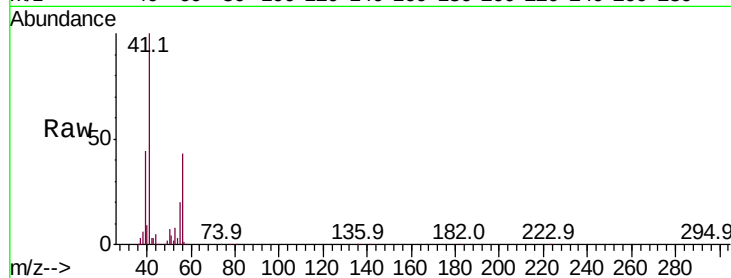
Tgt Ion: 43 Resp: 2446770
 Ion Ratio Lower Upper
 43 100
 58 30.9 24.9 37.3





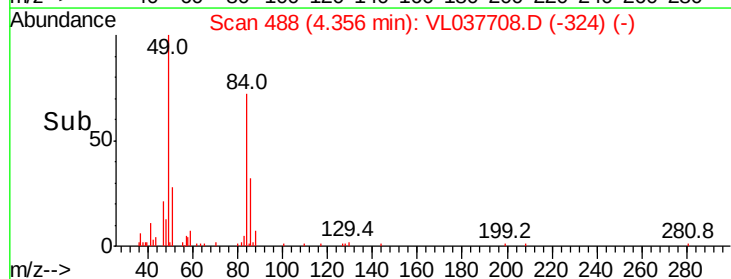
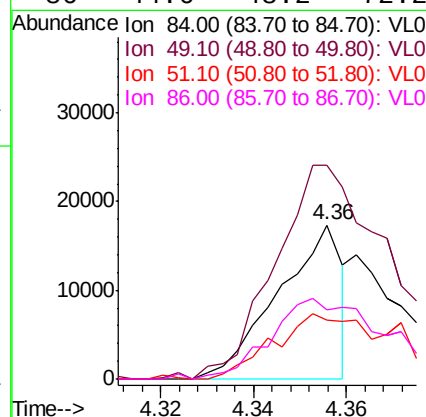
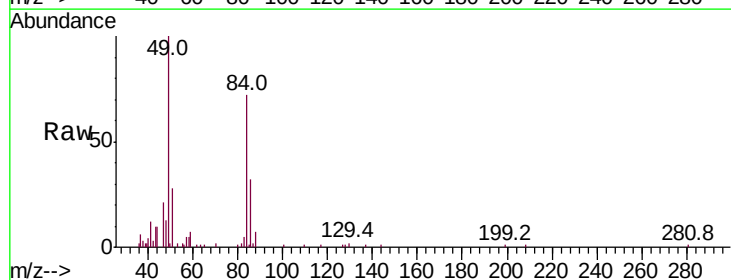
#16
 1,3-Butadiene
 Concen: 1.094 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Sep 2021 18:48

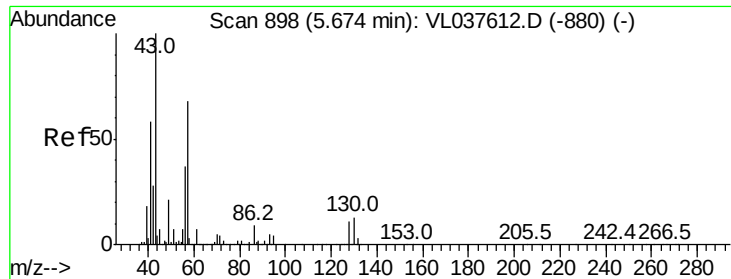
Tot Ion: 39 Resp: 91615
 Ion Ratio Lower Upper
 39 100
 54 7.0 62.6 93.8#



#20
 Methylene Chloride
 Concen: 0.261 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VL037708.D
 Acq: 28 Sep 2021 18:46

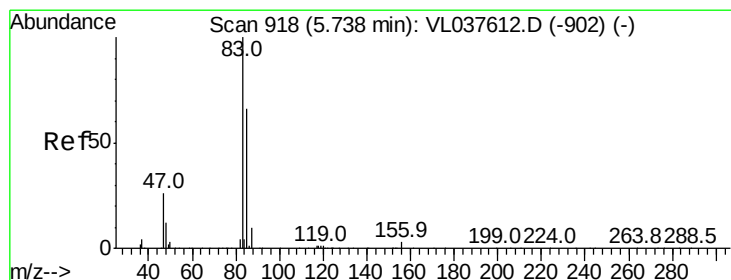
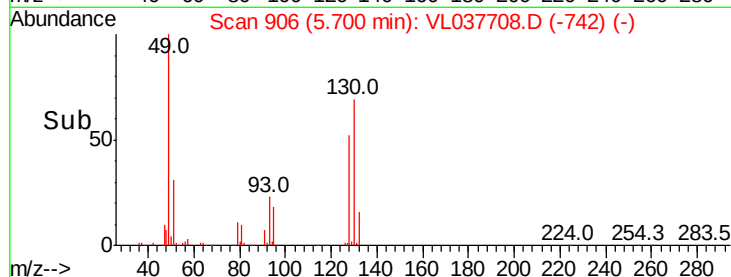
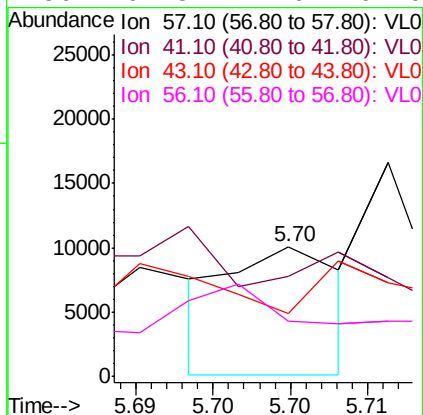
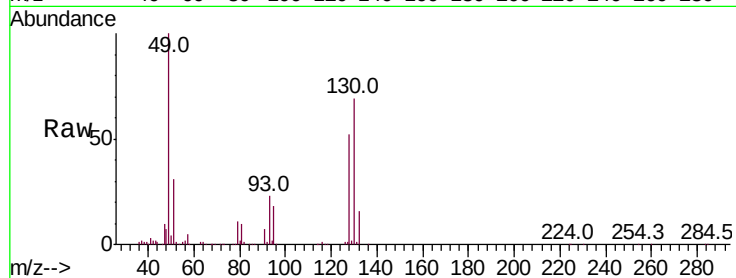
Tgt Ion: 84 Resp: 16668
 Ion Ratio Lower Upper
 84 100
 49 138.5 120.0 180.0
 51 38.2 38.0 57.0
 86 44.6 48.2 72.2#





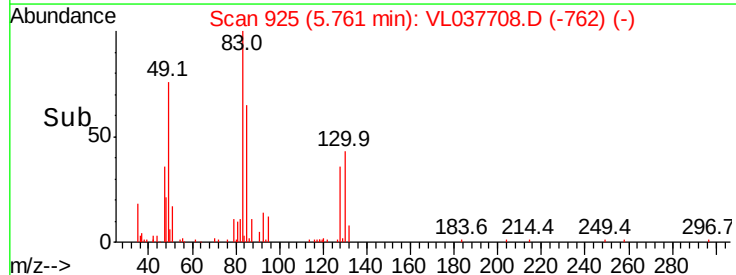
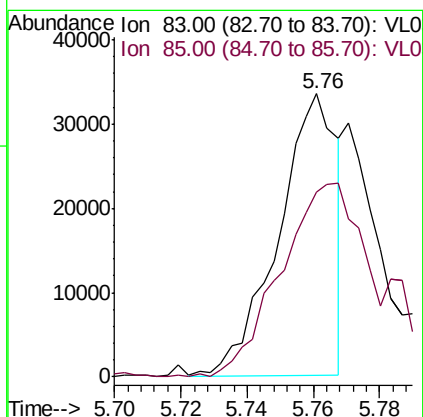
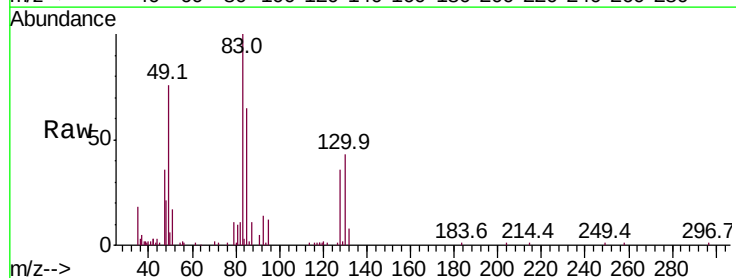
#26
Hexane
Concen: 0.033 ppbv
RT: 5.70
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Sep 2021 18:48

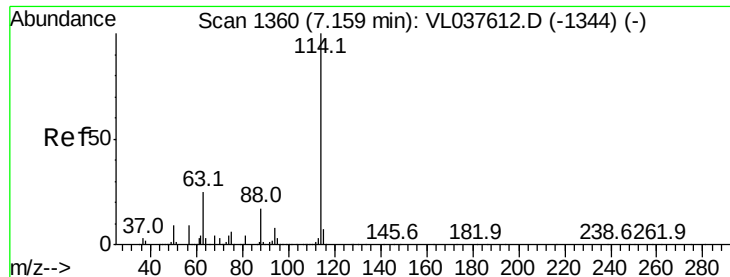
Tot Ion: 57 Resp: 5036
Ion Ratio Lower Upper
57 100
41 491.3 70.9 106.3#
43 0.0 170.4 255.6#
56 261.8 42.6 64.0#



#29
Chloroform
Concen: 0.182 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.02 min
Lab File: VL037708.D
Acq: 28 Sep 2021 18:46

Tgt Ion: 83 Resp: 40965
Ion Ratio Lower Upper
83 100
85 64.6 52.6 79.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 Instrument: MSVOA_1

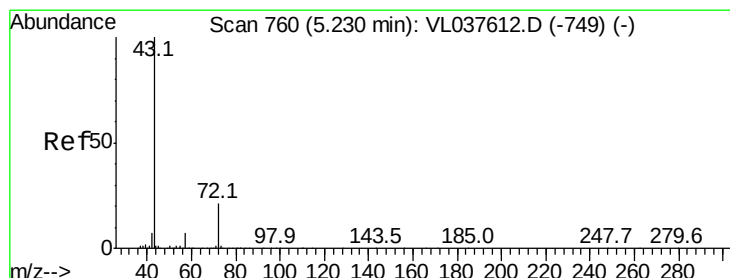
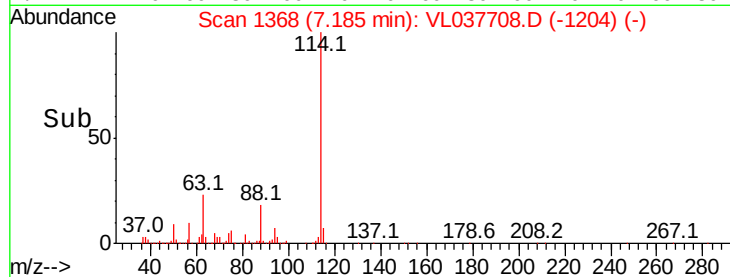
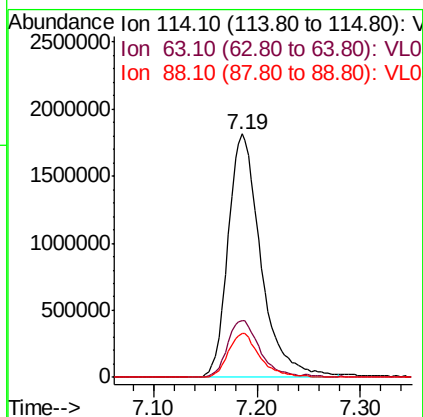
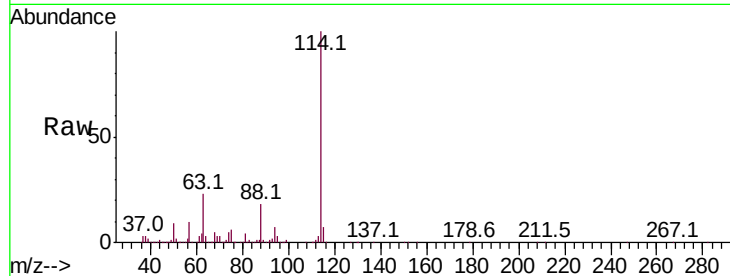
Delta R.T. ClientSampleId:

Lab File:

Acq: 28 Sep 2021 18:48

Tot Ion:114 Resp: 4018528

Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.6	29.4
88	17.8	14.2	21.4



#34

2-Butanone

Concen: 0.350 ppbv

RT: 5.27 min Scan# 771

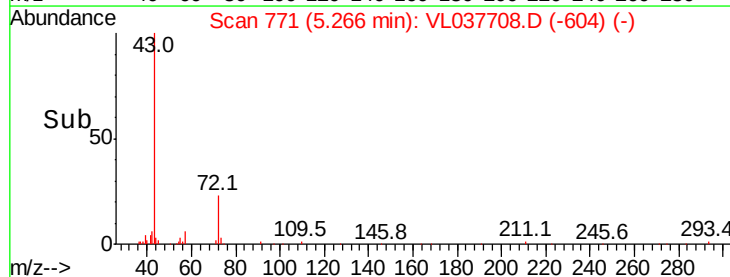
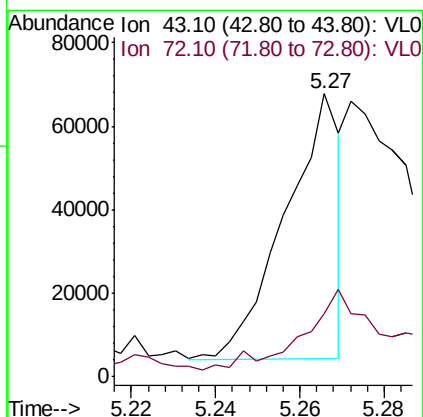
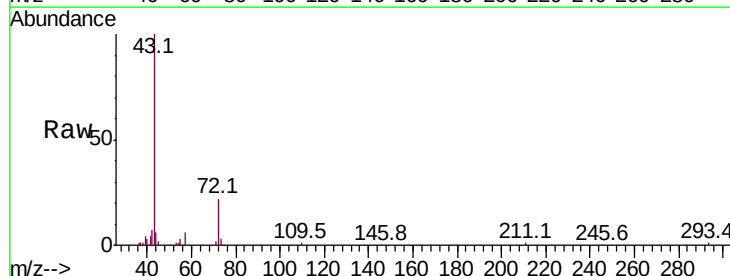
Delta R.T. 0.04 min

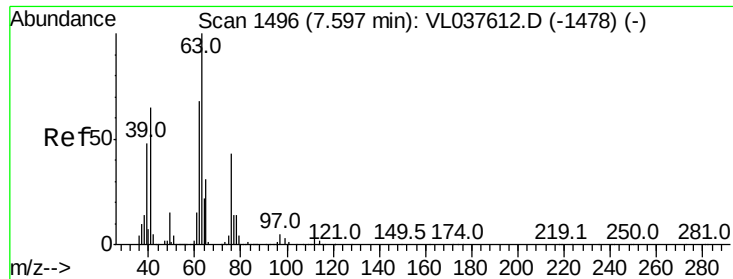
Lab File: VL037708.D

Acq: 28 Sep 2021 18:46

Tgt Ion: 43 Resp: 57103

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.4	27.6#





#39

1,2-Dichloropropane

Concen: 7.183 ppbv

RT: 7.19 Instrument:

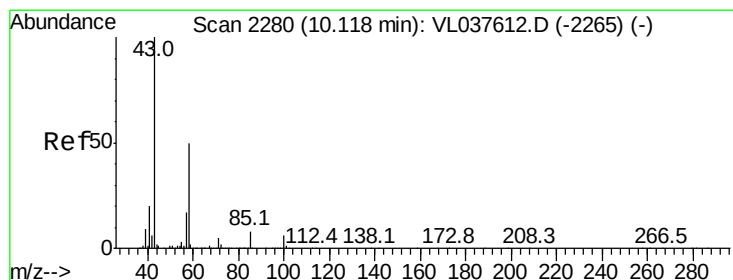
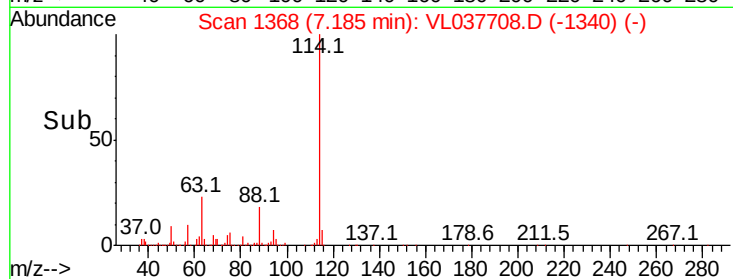
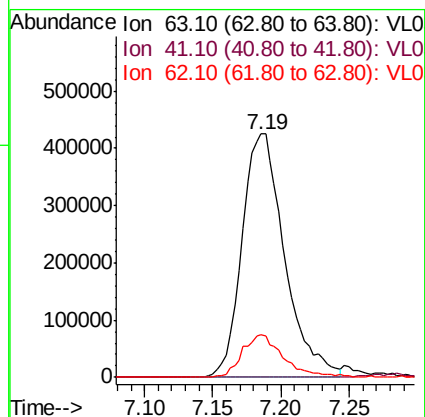
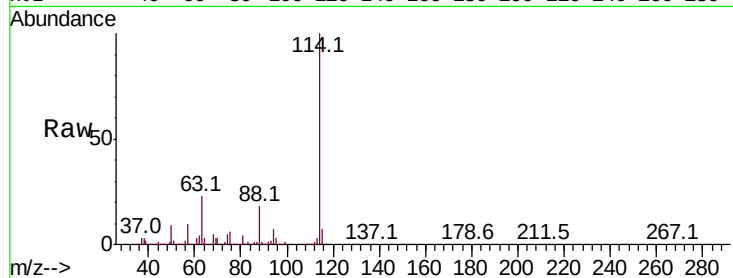
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 18:48

Tot Ion: 63 Resp: 921897

Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	17.4	54.6	81.8#



#51

2-Hexanone

Concen: 0.129 ppbv

RT: 10.17 min Scan# 2295

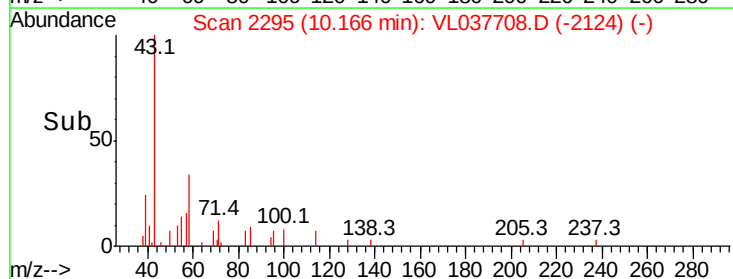
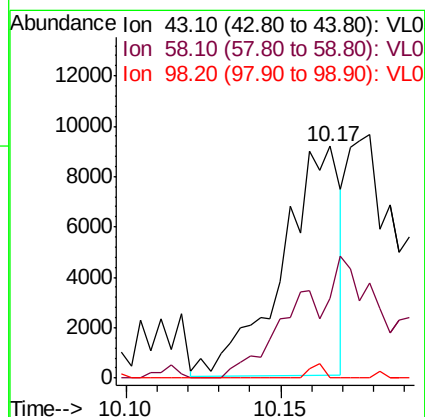
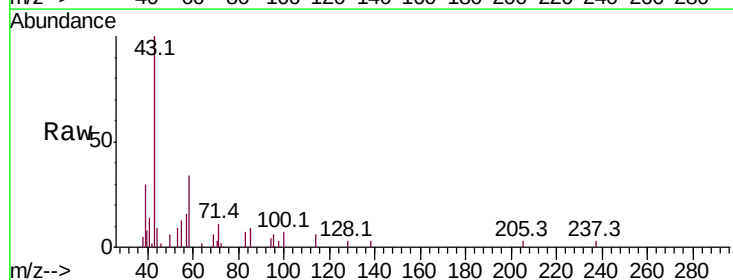
Delta R.T. 0.05 min

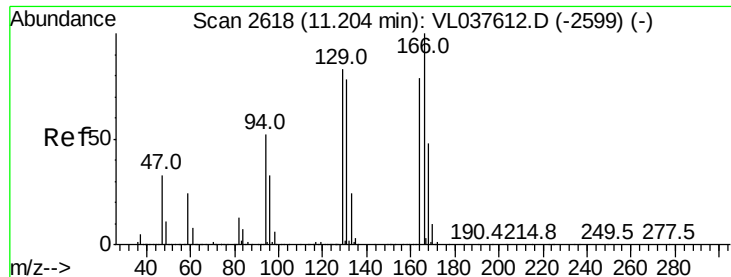
Lab File: VL037708.D

Acq: 28 Sep 2021 18:46

Tgt Ion: 43 Resp: 11824

Ion	Ratio	Lower	Upper
43	100		
58	101.9	39.3	58.9#
98	2.0	0.4	0.6#





#52

Tetrachloroethene

Concen: 0.154 ppbv

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 18:48

Tot Ion:164 Resp: 19811

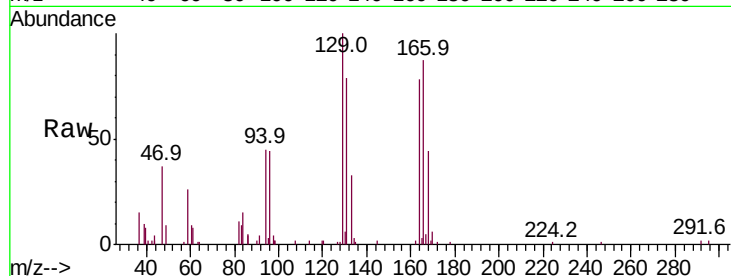
Ion Ratio Lower Upper

164 100

166 99.9 101.2 151.8#

129 124.9 84.0 126.0

131 79.3 78.8 118.2

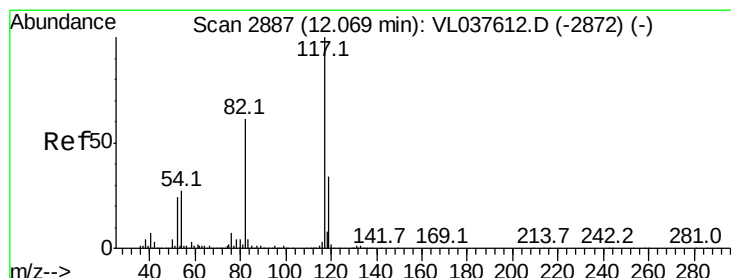
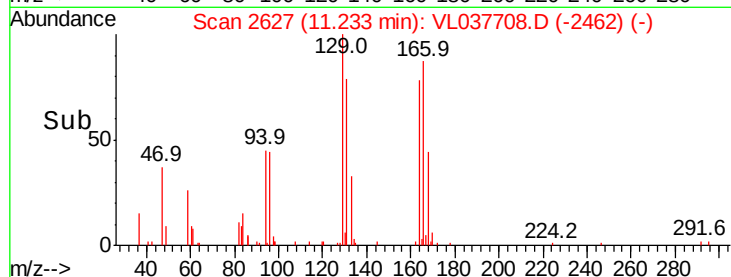
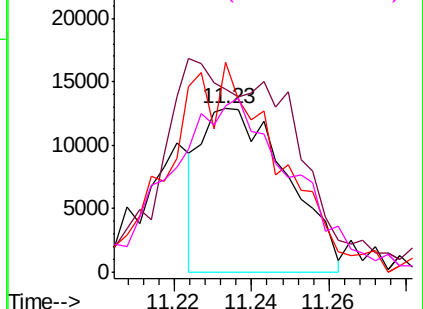


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.10 min Scan# 2896

Delta R.T. 0.03 min

Lab File: VL037708.D

Acq: 28 Sep 2021 18:46

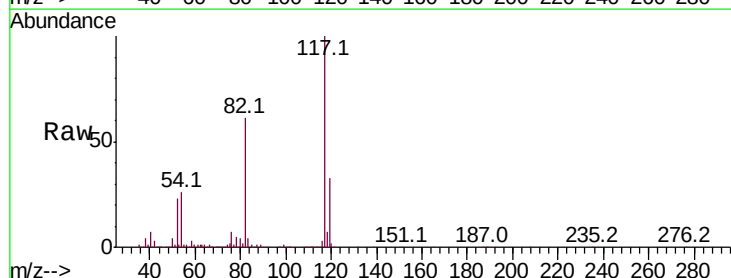
Tgt Ion:117 Resp: 3418666

Ion Ratio Lower Upper

117 100

82 65.8 50.6 75.8

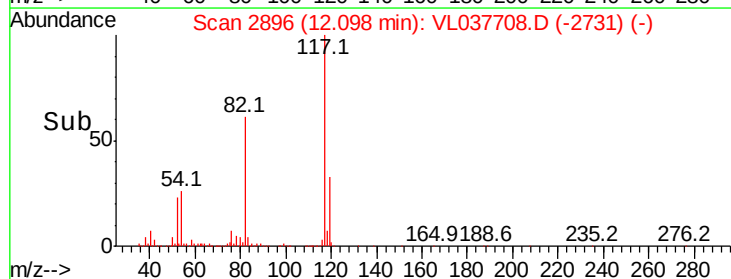
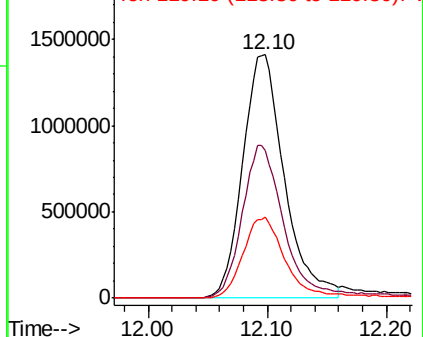
119 35.0 26.2 39.2

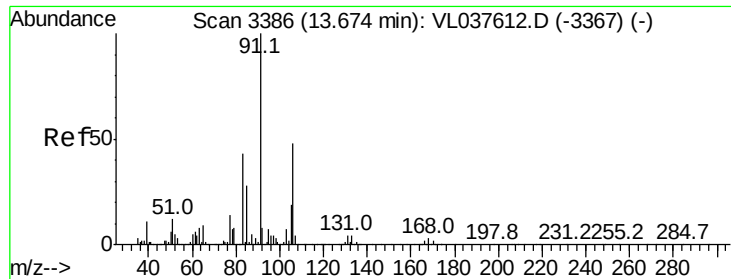


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

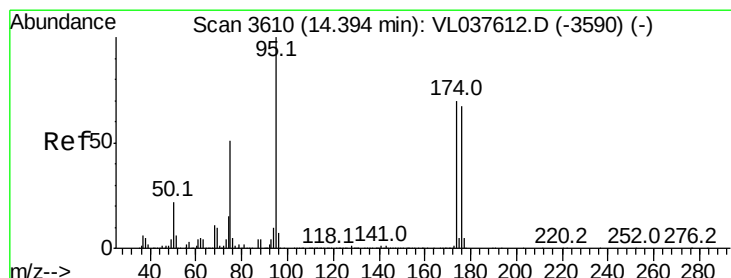
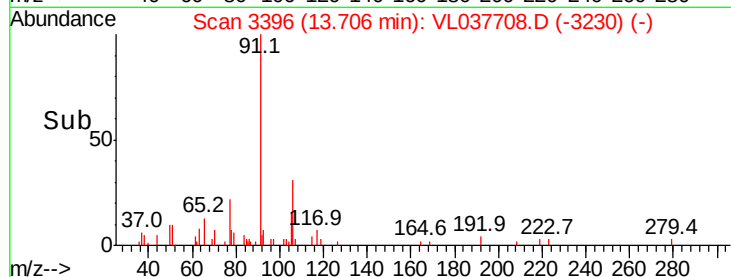
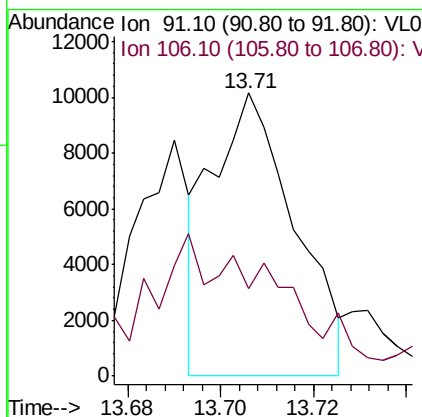
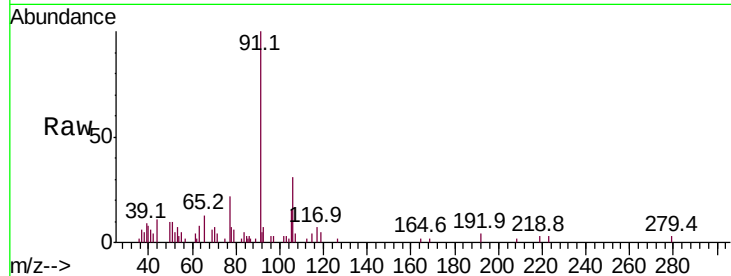
Ion 119.10 (118.80 to 119.80): V





#60
o-Xylene
Concen: 0.033 ppbv
RT: 13.71 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Sep 2021 18:48

Tot Ion: 91 Resp: 12567
Ion Ratio Lower Upper
91 100
106 0.0 23.0 69.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.889 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. 0.03 min
Lab File: VL037708.D
Acq: 28 Sep 2021 18:46

Tgt Ion: 95 Resp: 2443197
Ion Ratio Lower Upper
95 100
174 77.4 56.3 84.5
175 5.6 4.4 6.6

